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: P1045887

Luminaire Tested: **FFX-CLB-80-730-U-VM9-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045887
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8551.6 lumens
Efficiency:	N/A
Efficacy:	104.5 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):	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

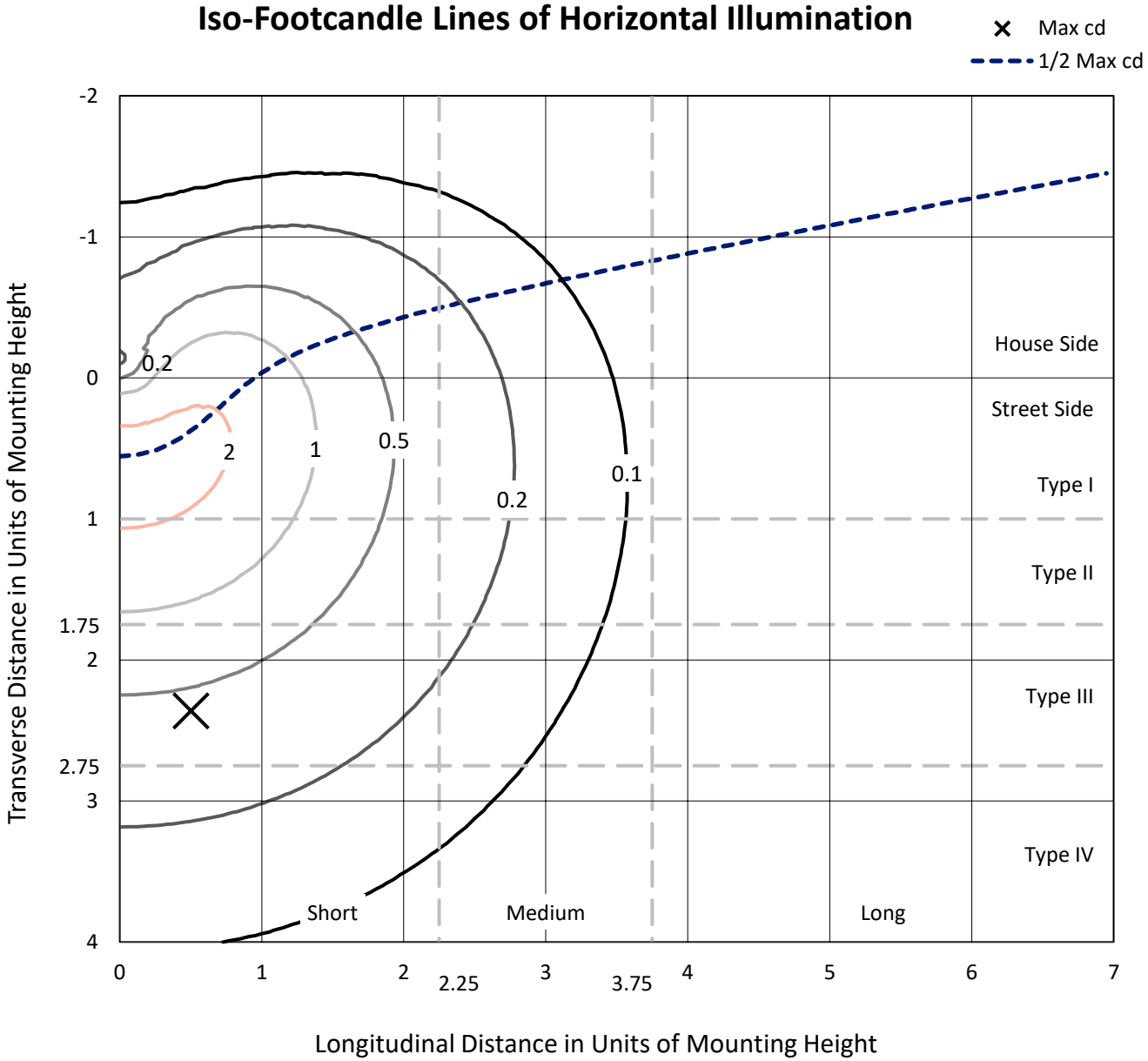


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Iso-Footcandle Lines of Horizontal Illumination



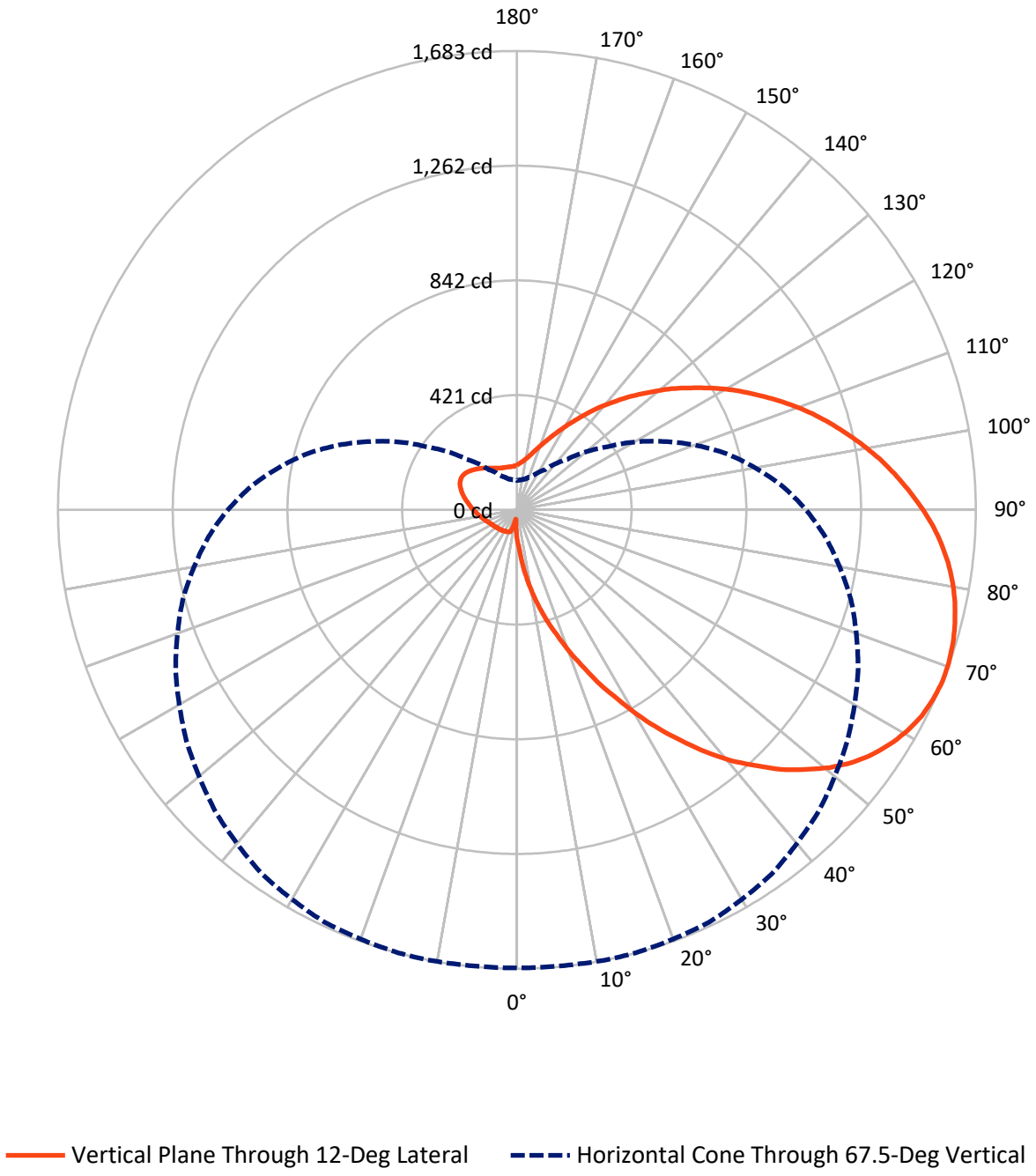
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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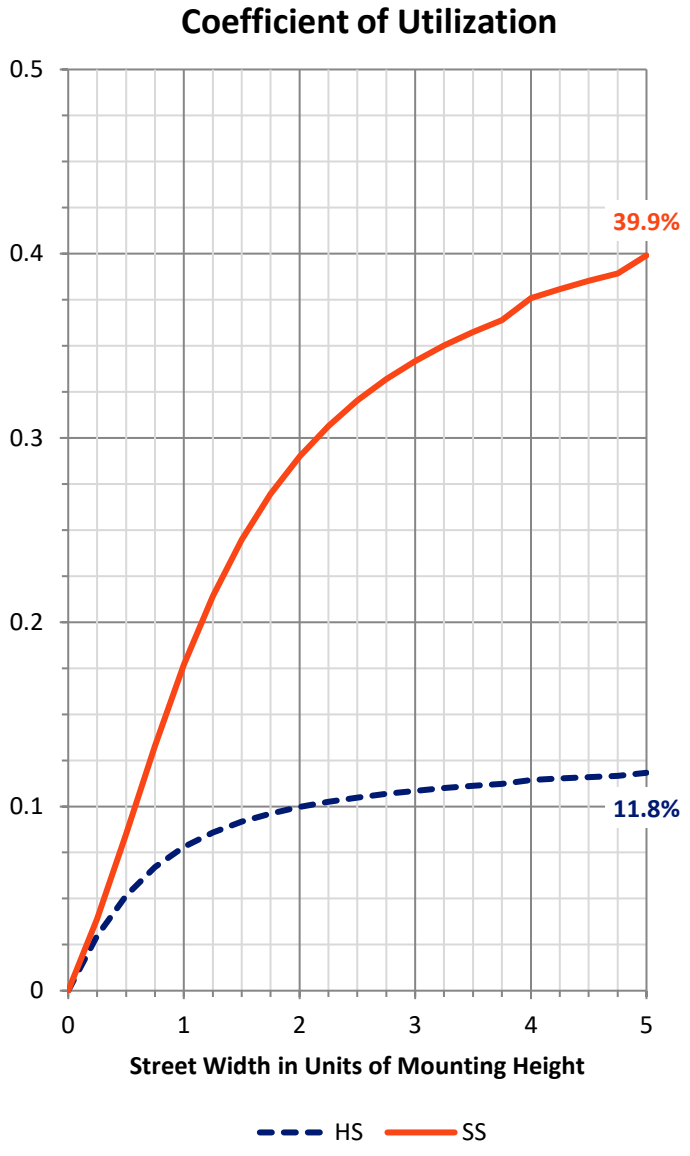
REPORT NUMBER: P1045887
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.5	1065.2	2165.7
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	3891.0	2495.0	6386.0
	% Fixture	45.5	29.2	74.7
Total	Lumens	4991.5	3560.2	8551.6
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.2
10°-20°	76.1	0.9
20°-30°	198.4	2.3
30°-40°	385.1	4.5
40°-50°	604.8	7.1
50°-60°	802.8	9.4
60°-70°	935.5	10.9
70°-80°	993.9	11.6
80°-90°	981.4	11.5
90°-100°	904.9	10.6
100°-110°	789.6	9.2
110°-120°	649.2	7.6
120°-130°	491.5	5.7
130°-140°	335.7	3.9
140°-150°	205.8	2.4
150°-160°	112.9	1.3
160°-170°	54.5	0.6
170°-180°	16.1	0.2
0°-90°	4991.5	58.4
0°-180°	8551.6	100.0



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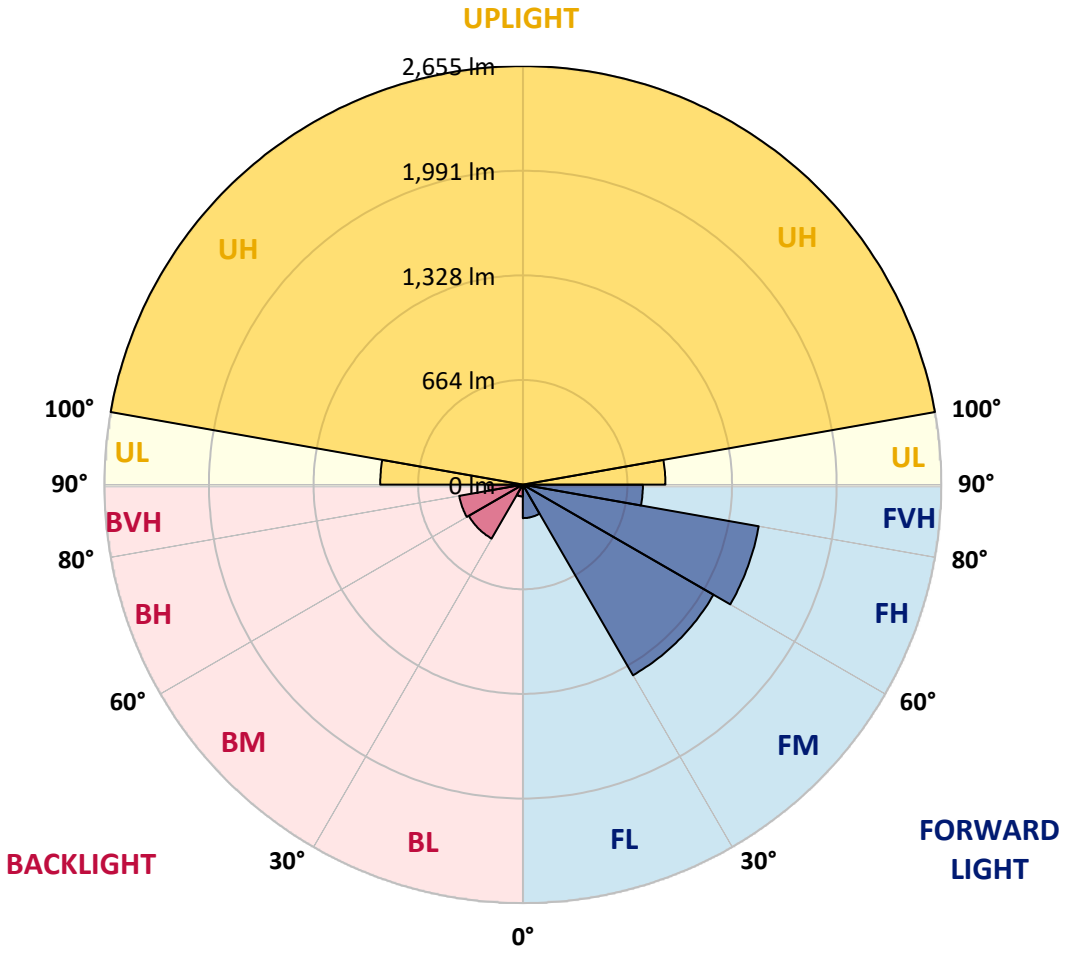
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	212.5	2.5			
FM	(30°-60°)	1397.1	16.3			
FH	(60°-80°)	1519.7	17.8			G1/1800
FVH	(80°-90°)	761.7	8.9			G5
BL	(0°-30°)	75.4	0.9	B0/110		
BM	(30°-60°)	395.6	4.6	B1/1000		
BH	(60°-80°)	409.8	4.8	B1/500		G1/500
BVH	(80°-90°)	219.7	2.6			G2/225
UL	(90°-100°)	904.9	10.6		U4/1000	
UH	(100°-180°)	2655.3	31.1		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	108.2	108.2	*108.2*	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	135.5	138.3	*135.5*	139.2	137.4	137.4	132.6	127.9	121.4	113.8	107.2
5°	191.9	191.0	*187.2*	191.0	187.2	182.5	175.0	162.8	150.5	139.2	125.1
7.5°	250.2	251.2	*248.4*	247.4	239.0	232.4	220.1	207.9	192.9	175.9	159.0
10°	313.3	311.4	*306.7*	307.6	298.2	285.1	270.9	256.8	239.9	220.1	198.5
12.5°	371.6	371.6	*367.8*	368.8	358.4	343.4	332.1	313.3	292.6	269.1	242.7
15°	433.7	429.9	*428.0*	428.0	417.7	404.5	392.3	371.6	347.1	320.8	290.7
17.5°	491.1	490.1	*488.3*	489.2	479.8	468.5	448.7	428.0	398.9	366.9	335.9
20°	564.5	560.7	*557.9*	553.2	547.5	532.5	513.7	486.4	457.2	422.4	381.0
22.5°	631.3	636.0	*628.4*	624.7	617.1	604.9	577.6	551.3	516.5	476.0	430.9
25°	708.4	712.2	*709.3*	704.6	694.3	677.4	652.0	622.8	581.4	535.3	481.7
27.5°	789.3	792.1	*784.6*	786.5	768.6	752.6	727.2	691.5	652.0	597.4	540.9
30°	869.3	874.9	*872.1*	865.5	850.5	836.3	806.2	768.6	723.5	663.2	598.3
32.5°	963.3	956.8	*957.7*	950.2	940.8	918.2	891.8	849.5	796.8	732.9	658.5
35°	1050.8	1048.0	*1040.5*	1044.3	1028.3	1007.6	974.6	929.5	872.1	801.5	719.7
37.5°	1128.9	1131.7	*1127.0*	1124.2	1113.9	1090.3	1051.8	1005.7	939.8	865.5	776.1
40°	1208.9	1210.8	*1209.8*	1209.8	1195.7	1169.4	1129.9	1078.1	1010.4	930.4	833.5
42.5°	1285.1	1287.0	*1282.3*	1283.2	1271.9	1244.6	1202.3	1147.7	1072.5	988.7	883.4
45°	1358.5	1358.5	*1358.5*	1357.5	1341.5	1316.1	1272.9	1210.8	1135.5	1040.5	929.5
47.5°	1426.2	1424.3	*1423.4*	1423.4	1413.0	1382.9	1336.8	1269.1	1187.2	1087.5	974.6
50°	1486.4	1487.4	*1486.4*	1484.5	1468.5	1444.1	1392.3	1321.8	1235.2	1132.7	1012.3
52.5°	1538.2	1539.1	*1540.0*	1535.3	1525.0	1495.8	1438.4	1363.2	1275.7	1168.4	1043.3
55°	1579.5	1581.4	*1583.3*	1581.4	1571.1	1536.3	1478.9	1402.7	1308.6	1198.5	1070.6
57.5°	1618.1	1617.2	*1618.1*	1616.2	1604.9	1571.1	1511.8	1430.0	1334.9	1223.0	1091.3
60°	1644.5	1645.4	*1645.4*	1645.4	1632.2	1597.4	1534.4	1450.7	1353.8	1241.8	1109.2
62.5°	1662.3	1663.3	*1666.1*	1664.2	1652.0	1615.3	1550.4	1465.7	1367.9	1254.0	1121.4
65°	1674.6	1675.5	*1677.4*	1675.5	1664.2	1626.6	1560.7	1475.1	1377.3	1263.5	1129.9
67.5°	*1680.2*	*1680.2*	*1683.0*	*1682.1*	*1668.9*	*1630.3*	*1564.5*	*1478.9*	*1381.0*	*1268.2*	*1135.5*
70°	1677.4	1678.3	*1680.2*	1679.3	1666.1	1627.5	1561.7	1477.0	1380.1	1268.2	1136.4
72.5°	1670.8	1670.8	*1672.7*	1670.8	1658.6	1620.0	1555.1	1471.4	1375.4	1266.3	1135.5
75°	1657.6	1658.6	*1659.5*	1658.6	1645.4	1607.8	1543.8	1461.0	1367.9	1259.7	1131.7
77.5°	1641.6	1642.6	*1642.6*	1642.6	1628.5	1590.8	1528.7	1447.8	1357.5	1252.2	1125.2
80°	1618.1	1619.1	*1620.9*	1619.1	1604.9	1571.1	1509.0	1431.8	1344.4	1239.9	1116.7
82.5°	1591.8	1590.8	*1593.7*	1592.7	1578.6	1544.7	1483.6	1410.2	1324.6	1225.8	1104.5
85°	1558.9	1558.9	*1560.7*	1558.9	1546.6	1510.9	1453.5	1383.9	1302.0	1205.1	1089.4
87.5°	1522.2	1522.2	*1524.0*	1520.3	1506.2	1475.1	1420.6	1352.8	1277.6	1184.4	1072.5
90°	1478.9	1480.8	*1480.8*	1477.9	1463.8	1433.7	1383.9	1319.0	1245.6	1159.0	1052.7
92.5°	1437.5	1437.5	*1435.6*	1435.6	1420.6	1390.5	1344.4	1285.1	1216.4	1133.6	1031.1
95°	1393.3	1393.3	*1390.5*	1388.6	1373.5	1348.1	1303.9	1249.3	1183.5	1107.3	1009.4
97.5°	1346.2	1345.3	*1343.4*	1341.5	1326.5	1302.0	1262.5	1209.8	1149.6	1077.2	985.9
100°	1298.3	1299.2	*1292.6*	1291.7	1276.6	1255.9	1218.3	1169.4	1113.9	1046.1	960.5
102.5°	1245.6	1247.5	*1241.8*	1240.9	1225.8	1203.2	1173.1	1128.9	1079.1	1017.0	935.1
105°	1198.5	1193.8	*1191.0*	1189.1	1176.0	1155.3	1123.3	1088.5	1041.4	983.1	906.9
107.5°	1144.9	1145.9	*1140.2*	1136.4	1123.3	1106.3	1078.1	1046.1	1004.7	949.2	879.6
110°	1091.3	1089.4	*1086.6*	1084.7	1069.7	1054.6	1030.1	1003.8	963.3	915.4	850.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	1035.8	1036.7	*1032.0*	1029.2	1018.9	1002.9	985.0	959.6	924.8	879.6	818.5
115°	984.0	982.2	*978.4*	976.5	965.2	953.0	935.1	916.3	885.3	842.0	786.5
117.5°	931.4	927.6	*926.7*	923.8	915.4	903.1	889.0	873.0	842.9	805.3	752.6
120°	876.8	876.8	*874.9*	873.0	861.7	851.4	842.9	826.0	800.6	764.8	719.7
122.5°	826.0	825.1	*821.3*	818.5	812.8	803.4	793.1	779.9	757.3	725.3	682.1
125°	770.5	772.4	*769.5*	768.6	759.2	754.5	745.1	736.6	713.1	683.9	645.4
127.5°	724.4	721.6	*721.6*	716.9	712.2	707.5	699.9	688.6	672.6	642.5	606.8
130°	675.5	673.6	*670.8*	670.8	665.1	658.5	653.8	644.4	626.6	602.1	568.2
132.5°	626.6	624.7	*622.8*	620.0	616.2	615.3	610.6	600.2	583.3	561.6	532.5
135°	580.5	579.5	*578.6*	578.6	572.9	570.1	564.5	556.0	544.7	524.9	496.7
137.5°	537.2	534.4	*532.5*	532.5	530.6	525.9	521.2	514.6	502.4	486.4	461.0
140°	492.0	493.9	*493.9*	493.0	489.2	486.4	480.7	475.1	462.9	449.7	428.0
142.5°	454.4	453.4	*451.6*	450.6	448.7	445.0	442.2	435.6	428.0	413.9	395.1
145°	413.9	413.9	*413.0*	413.9	410.2	409.2	405.5	399.8	391.4	379.1	363.1
147.5°	378.2	378.2	*377.2*	378.2	375.4	372.5	369.7	366.0	358.4	349.0	334.9
150°	345.3	346.2	*344.3*	344.3	343.4	340.6	338.7	333.0	327.4	319.9	307.6
152.5°	315.2	316.1	*315.2*	314.2	313.3	311.4	308.6	304.8	299.2	292.6	282.2
155°	289.8	288.8	*288.8*	288.8	287.9	285.1	285.1	279.4	273.8	269.1	258.7
157.5°	265.3	265.3	*265.3*	265.3	263.4	262.5	260.6	255.9	253.1	246.5	239.0
160°	245.5	244.6	*244.6*	244.6	242.7	241.8	239.0	237.1	233.3	227.7	222.0
162.5°	225.8	226.7	*226.7*	226.7	224.8	223.9	222.0	220.1	217.3	211.7	207.9
165°	210.7	210.7	*210.7*	209.8	208.9	208.9	206.0	205.1	202.3	198.5	195.7
167.5°	198.5	198.5	*197.6*	198.5	196.6	194.7	193.8	191.9	190.0	188.2	185.3
170°	188.2	188.2	*188.2*	188.2	187.2	186.3	184.4	183.4	181.6	179.7	176.9
172.5°	179.7	179.7	*179.7*	179.7	178.7	177.8	175.9	175.0	174.0	172.2	170.3
175°	173.1	173.1	*173.1*	173.1	172.2	171.2	169.3	169.3	168.4	167.5	165.6
177.5°	168.4	168.4	*167.5*	167.5	166.5	165.6	165.6	164.6	164.6	163.7	162.8
180°	162.8	162.8	*162.8*	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	103.5	99.7	93.1	87.5	80.9	76.2	71.5	70.6	70.6	72.4	72.4
5°	119.5	111.0	97.8	85.6	71.5	61.1	51.7	43.3	37.6	34.8	34.8
7.5°	149.6	143.0	123.2	106.3	89.4	73.4	58.3	45.2	35.7	29.2	28.2
10°	188.2	177.8	154.3	132.6	110.1	90.3	72.4	56.4	45.2	39.5	39.5
12.5°	229.5	215.4	187.2	160.9	134.5	109.1	88.4	72.4	61.1	55.5	53.6
15°	273.8	257.8	223.9	190.0	158.0	130.8	107.2	87.5	76.2	70.6	69.6
17.5°	315.2	297.3	258.7	218.3	181.6	148.6	120.4	99.7	85.6	79.0	78.1
20°	360.3	336.8	291.6	244.6	201.3	161.8	129.8	105.4	88.4	80.9	80.0
22.5°	406.4	379.1	325.5	270.9	219.2	174.0	136.4	108.2	89.4	80.9	80.0
25°	455.3	425.2	362.2	299.2	239.0	186.3	143.0	111.0	91.3	80.9	80.0
27.5°	507.1	473.2	400.8	329.3	258.7	198.5	149.6	114.8	92.2	81.8	80.0
30°	562.6	524.0	440.3	358.4	277.5	209.8	155.2	116.7	93.1	81.8	80.9
32.5°	618.1	571.0	483.6	386.7	297.3	220.1	160.9	119.5	94.1	82.8	81.8
35°	671.7	625.6	523.1	415.8	316.1	230.5	165.6	121.4	96.0	83.7	81.8
37.5°	726.3	676.4	560.7	443.1	333.0	239.0	169.3	123.2	96.9	84.7	82.8
40°	778.0	719.7	597.4	469.4	347.1	246.5	172.2	124.2	97.8	85.6	83.7
42.5°	826.9	764.8	632.2	492.0	361.3	252.1	175.0	126.1	98.8	86.6	85.6
45°	868.3	804.4	662.3	514.6	371.6	256.8	176.9	127.0	99.7	87.5	86.6
47.5°	908.8	840.1	690.5	532.5	382.0	261.5	177.8	127.9	100.7	89.4	88.4
50°	944.5	872.1	715.9	548.5	389.5	263.4	178.7	128.9	102.5	91.3	90.3
52.5°	974.6	899.4	735.7	561.6	395.1	265.3	178.7	128.9	103.5	93.1	92.2
55°	999.1	922.9	753.6	571.0	398.9	266.2	178.7	129.8	105.4	95.0	94.1
57.5°	1019.8	940.8	767.7	579.5	402.6	266.2	178.7	130.8	107.2	96.9	96.0
60°	1034.8	955.8	778.0	585.2	403.6	265.3	178.7	131.7	109.1	99.7	98.8
62.5°	1047.1	966.2	786.5	588.9	403.6	263.4	178.7	132.6	111.0	102.5	101.6
65°	1055.5	973.7	792.1	590.8	402.6	262.5	178.7	134.5	113.8	105.4	104.4
67.5°	*1060.2*	*979.3*	*795.9*	*592.7*	*401.7*	*262.5*	*179.7*	*137.4*	*116.7*	*109.1*	*108.2*
70°	1062.1	980.3	796.8	591.7	400.8	260.6	180.6	139.2	120.4	112.9	112.0
72.5°	1062.1	981.2	796.8	591.7	398.9	261.5	181.6	142.1	124.2	116.7	115.7
75°	1059.3	978.4	795.9	589.9	397.9	260.6	184.4	145.8	127.9	121.4	120.4
77.5°	1053.7	974.6	793.1	587.0	397.0	261.5	186.3	149.6	132.6	126.1	126.1
80°	1047.1	969.0	789.3	584.2	396.1	263.4	189.1	154.3	137.4	131.7	130.8
82.5°	1036.7	960.5	782.7	580.5	394.2	264.4	192.9	159.0	143.0	136.4	136.4
85°	1022.6	948.3	774.3	575.7	392.3	266.2	196.6	162.8	148.6	142.1	142.1
87.5°	1007.6	935.1	763.9	570.1	391.4	268.1	201.3	168.4	153.3	147.7	146.8
90°	989.7	919.1	753.6	563.5	390.4	270.9	205.1	174.0	159.9	154.3	153.3
92.5°	970.9	903.1	742.3	558.8	389.5	273.8	210.7	180.6	166.5	160.9	159.9
95°	952.1	886.2	731.0	552.2	389.5	277.5	216.4	187.2	173.1	167.5	166.5
97.5°	930.4	867.4	717.8	546.6	389.5	282.2	223.0	193.8	179.7	174.0	174.0
100°	907.8	848.6	704.6	540.9	390.4	286.9	229.5	201.3	187.2	181.6	181.6
102.5°	885.3	827.9	692.4	536.2	392.3	293.5	238.0	209.8	195.7	190.0	189.1
105°	860.8	807.2	678.3	529.7	394.2	299.2	245.5	217.3	203.2	197.6	197.6
107.5°	836.3	785.5	664.2	524.9	396.1	304.8	254.0	225.8	211.7	205.1	205.1
110°	809.1	762.0	649.1	519.3	397.9	311.4	260.6	233.3	218.3	212.6	211.7

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

Scaled Data Report

REPORT NUMBER: P1045887
CATALOG NUMBER: FFX-CLB-80-730-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	780.8	738.5	633.1	511.8	398.9	317.0	268.1	240.8	225.8	219.2	218.3
115°	750.7	712.2	615.3	504.3	398.9	321.7	273.8	246.5	231.4	224.8	223.9
117.5°	720.6	683.9	595.5	493.9	397.9	324.6	278.5	250.2	235.2	228.6	227.7
120°	688.6	655.7	575.7	483.6	394.2	325.5	280.3	253.1	237.1	230.5	229.5
122.5°	655.7	625.6	552.2	469.4	388.5	324.6	280.3	253.1	237.1	229.5	228.6
125°	620.0	593.6	527.8	452.5	380.1	320.8	278.5	251.2	235.2	227.7	225.8
127.5°	585.2	561.6	502.4	435.6	369.7	315.2	274.7	247.4	231.4	223.9	223.0
130°	551.3	527.8	476.0	416.8	357.5	307.6	268.1	241.8	226.7	218.3	217.3
132.5°	515.5	493.9	449.7	397.0	343.4	298.2	261.5	236.1	220.1	213.6	211.7
135°	479.8	462.9	422.4	376.3	329.3	287.9	254.0	229.5	214.5	207.0	207.0
137.5°	447.8	430.9	395.1	355.6	314.2	275.6	244.6	222.0	207.9	201.3	200.4
140°	414.9	401.7	369.7	334.9	298.2	264.4	237.1	215.4	202.3	195.7	194.7
142.5°	383.8	370.7	345.3	313.3	282.2	252.1	227.7	207.9	195.7	190.0	189.1
145°	352.8	343.4	318.9	293.5	266.2	239.9	217.3	200.4	190.0	184.4	184.4
147.5°	325.5	317.0	295.4	273.8	250.2	228.6	208.9	193.8	184.4	179.7	178.7
150°	299.2	291.6	273.8	255.9	234.3	216.4	199.4	187.2	178.7	175.0	174.0
152.5°	274.7	269.1	254.0	239.0	221.1	205.1	191.9	181.6	174.0	170.3	170.3
155°	254.0	249.3	236.1	223.0	208.9	195.7	184.4	175.9	170.3	167.5	166.5
157.5°	236.1	230.5	220.1	209.8	198.5	187.2	178.7	171.2	167.5	164.6	164.6
160°	219.2	214.5	206.0	198.5	189.1	180.6	173.1	168.4	164.6	162.8	162.8
162.5°	205.1	201.3	194.7	188.2	181.6	175.0	169.3	165.6	162.8	160.9	160.9
165°	192.9	191.0	185.3	180.6	175.0	170.3	166.5	163.7	161.8	160.9	160.9
167.5°	183.4	181.6	177.8	174.0	170.3	166.5	163.7	161.8	160.9	159.9	159.9
170°	175.9	174.0	172.2	169.3	166.5	163.7	161.8	160.9	159.9	159.9	159.9
172.5°	170.3	168.4	167.5	165.6	163.7	161.8	160.9	159.9	159.9	159.9	159.9
175°	165.6	164.6	163.7	162.8	161.8	160.9	159.9	159.9	159.9	159.9	159.9
177.5°	162.8	161.8	161.8	160.9	160.9	159.9	159.9	160.9	160.9	160.9	161.8
180°	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8

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

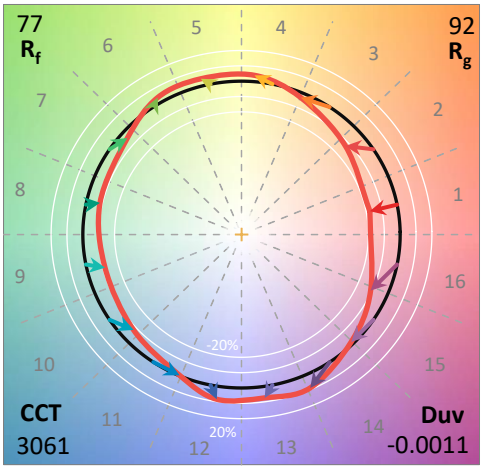
Test Information

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

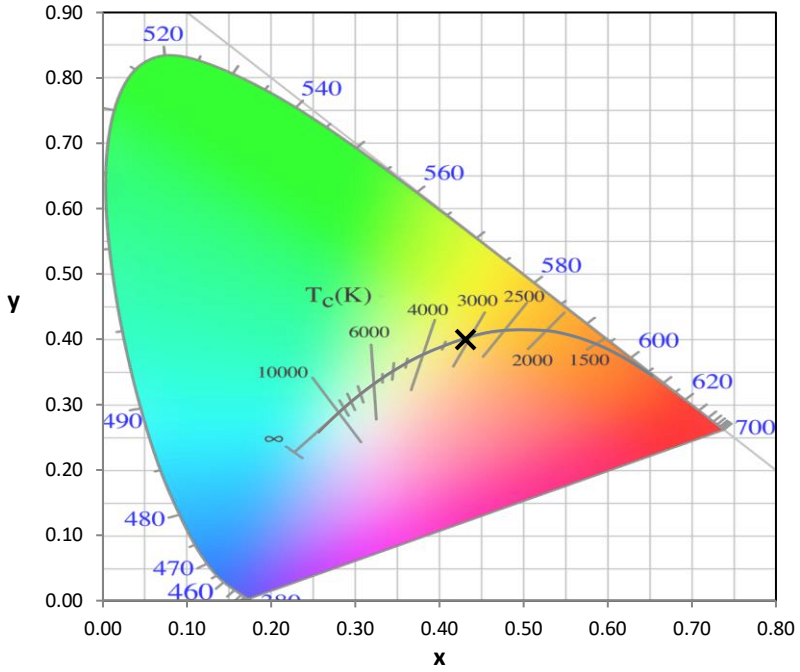
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

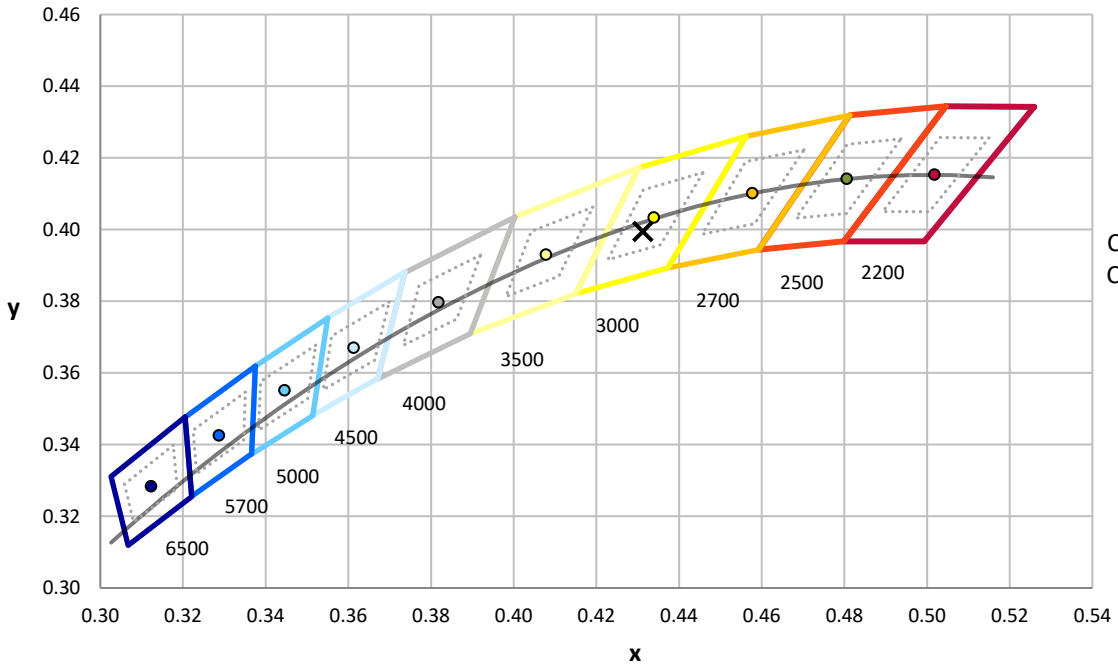
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

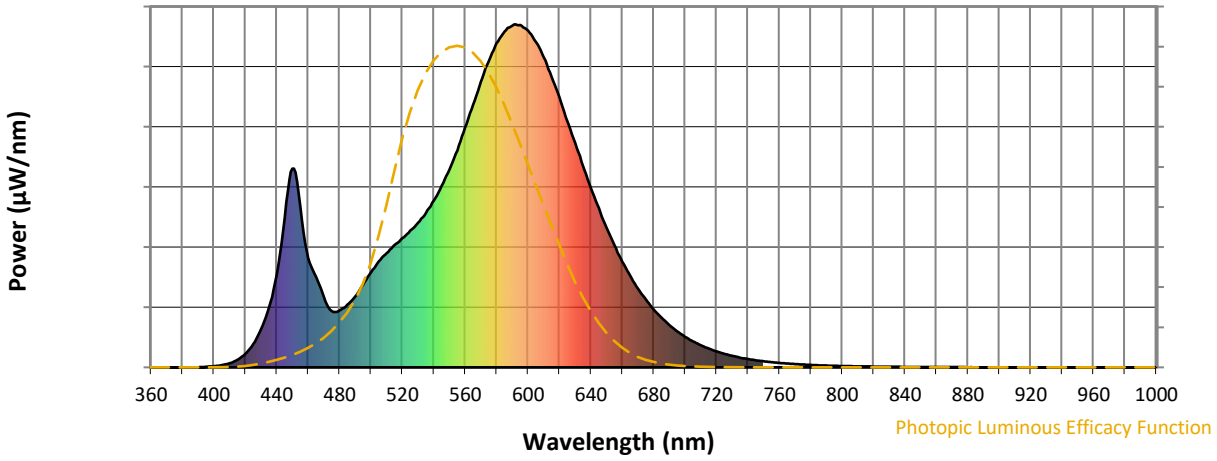


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

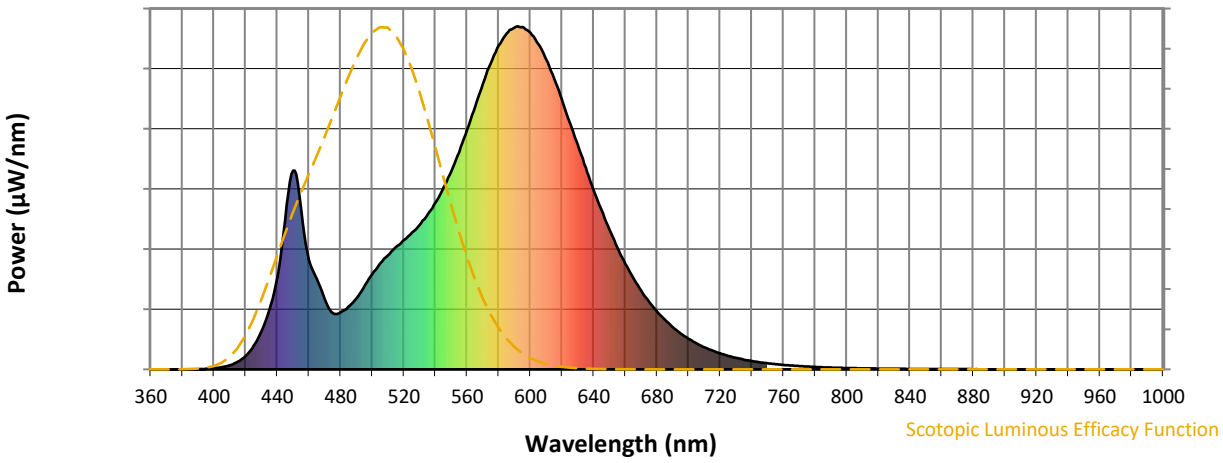


Photopic Lumens: NR

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

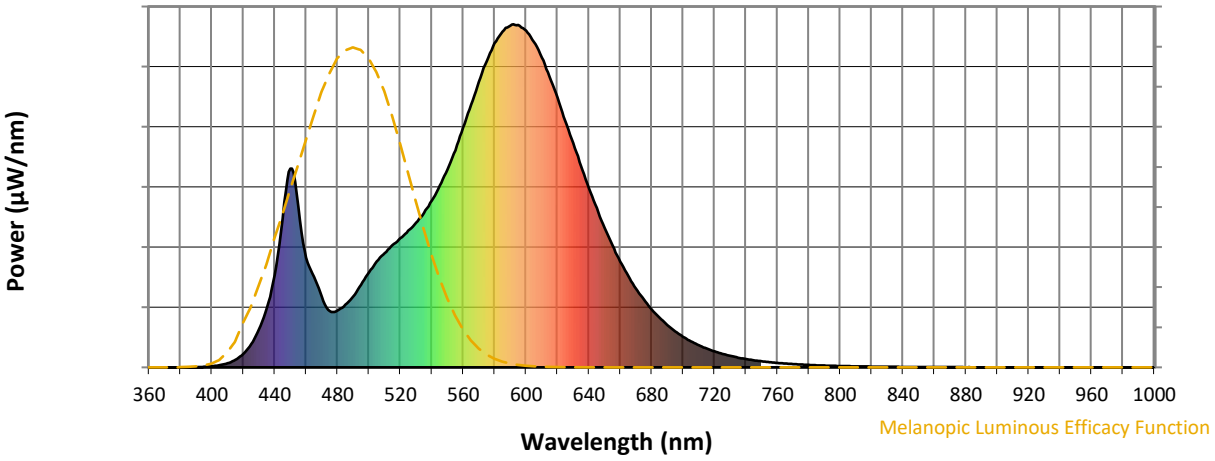


Scotopic Lumens: NR **S/P: 1.29**

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			

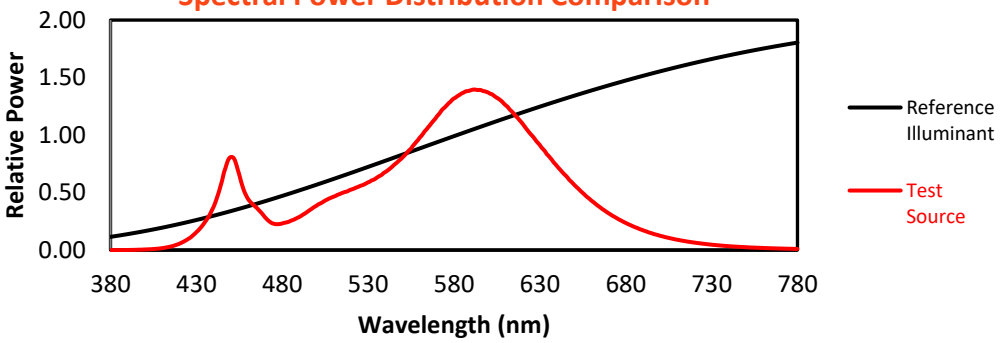
REPORT NUMBER: SP1-2501-332-4

TM-30-18

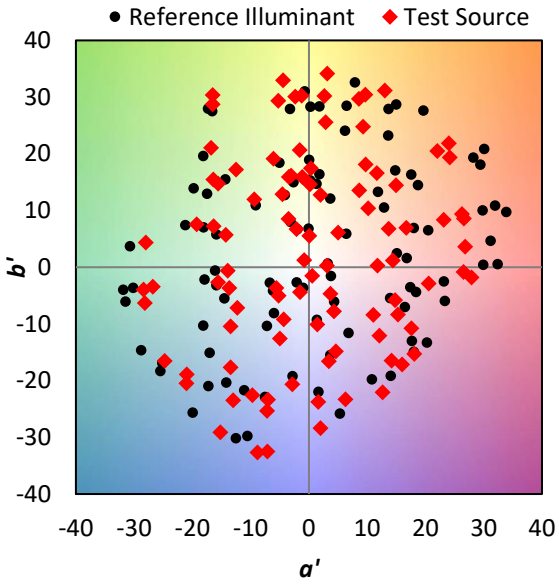
Summary

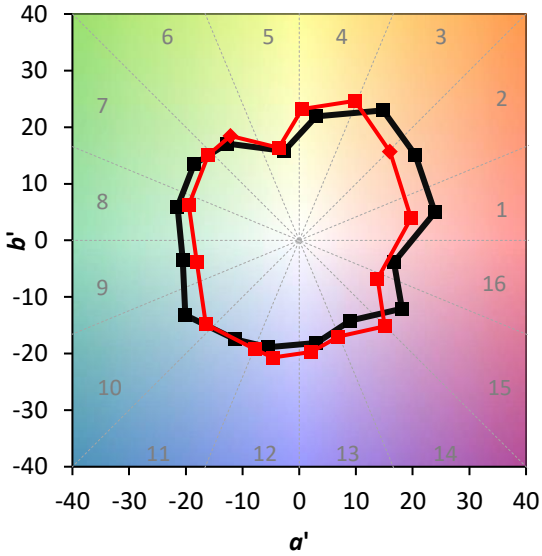
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

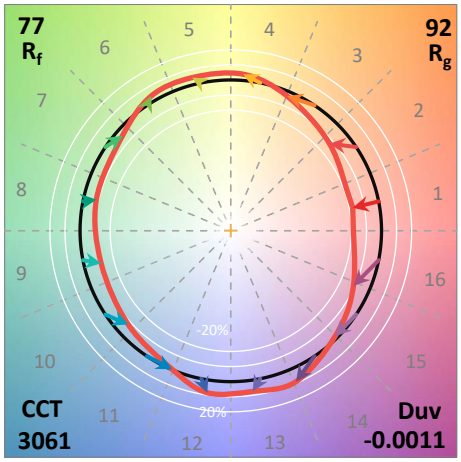
Spectral Power Distribution Comparison

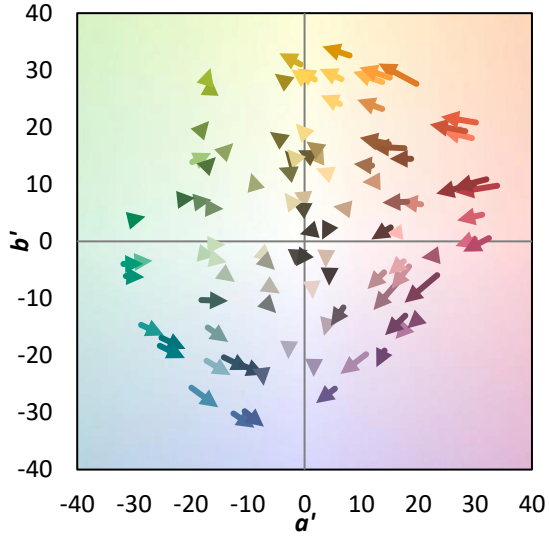


Color Vector Graphics







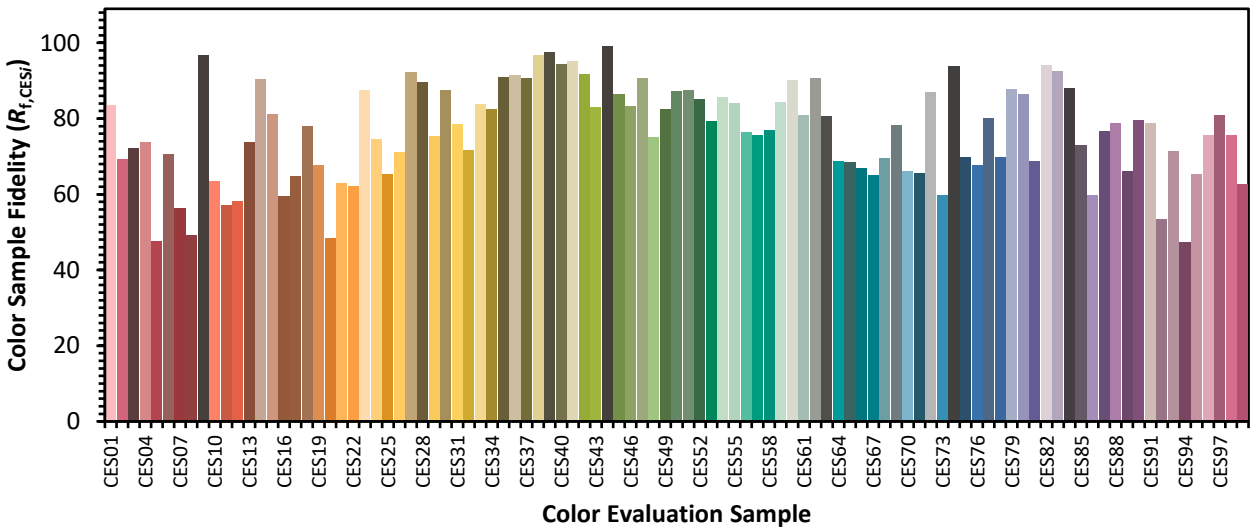


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

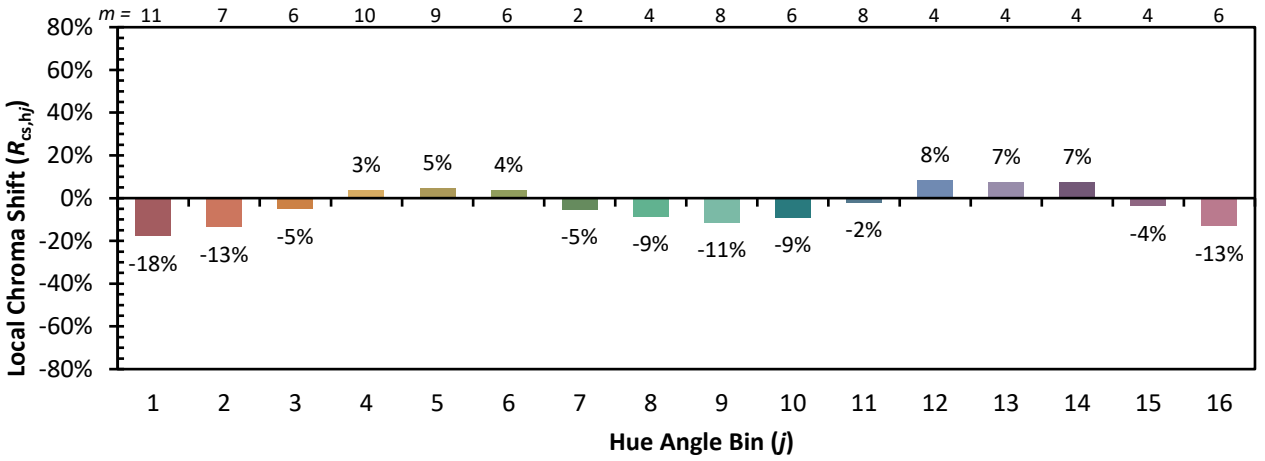
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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
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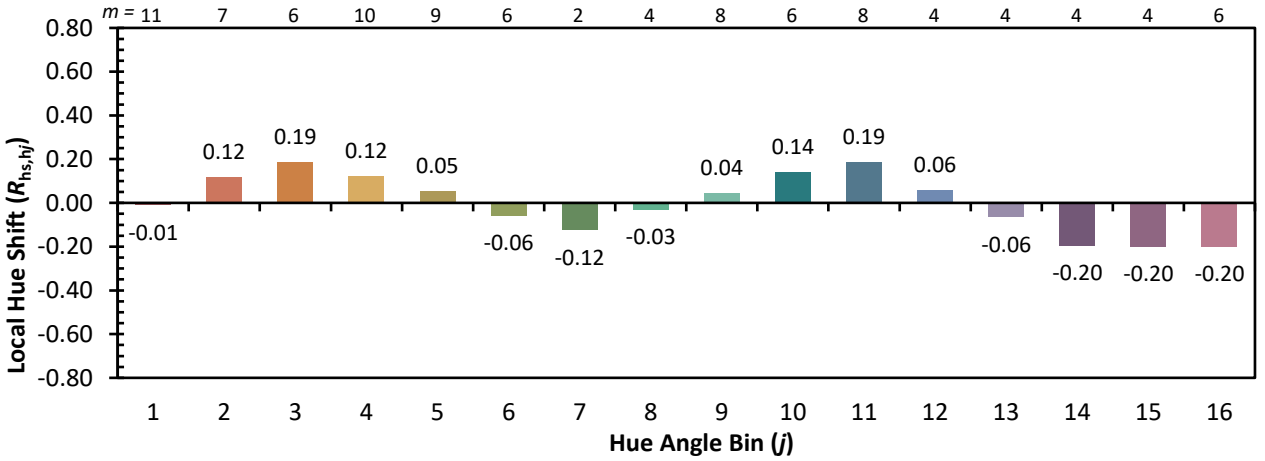


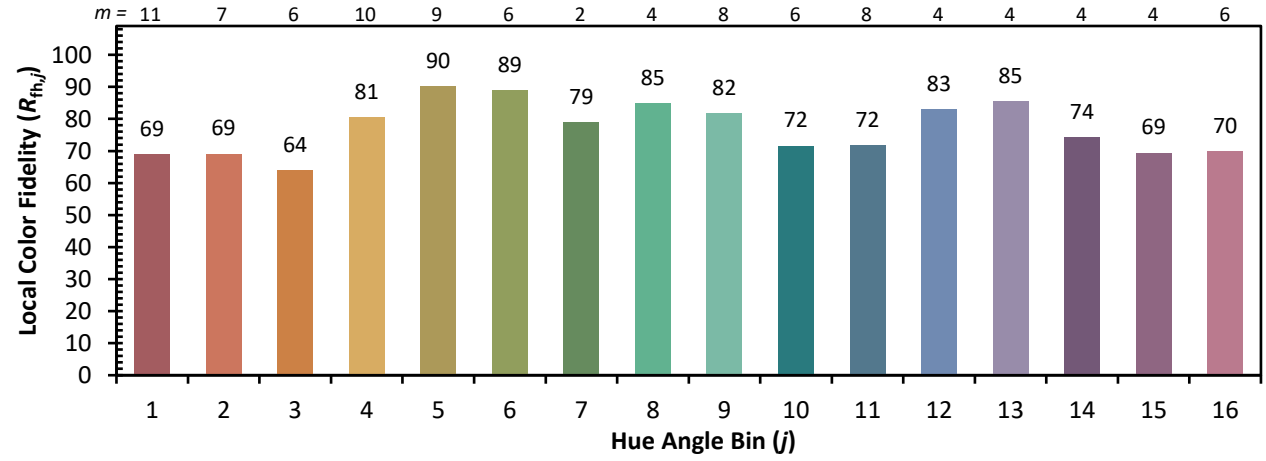
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Color Rendition by Hue-Angle Bin



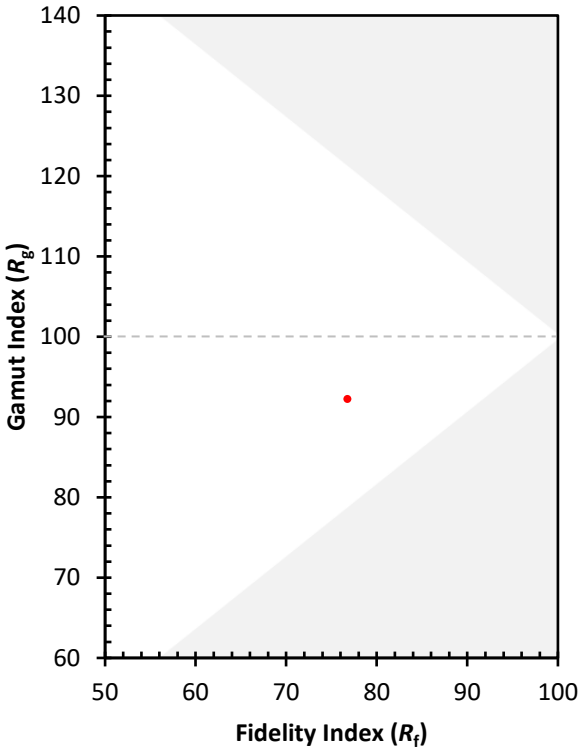


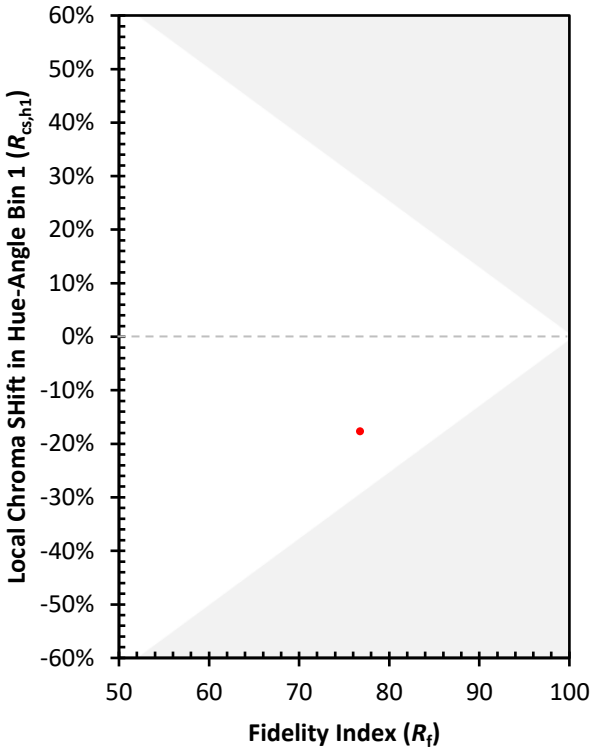


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Measure Comparisons





(END OF REPORT)