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: P1045879

Luminaire Tested: **FFX-CLB-70-727-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:	P1045879
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7123.9 lumens
Efficiency:	N/A
Efficacy:	100.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

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

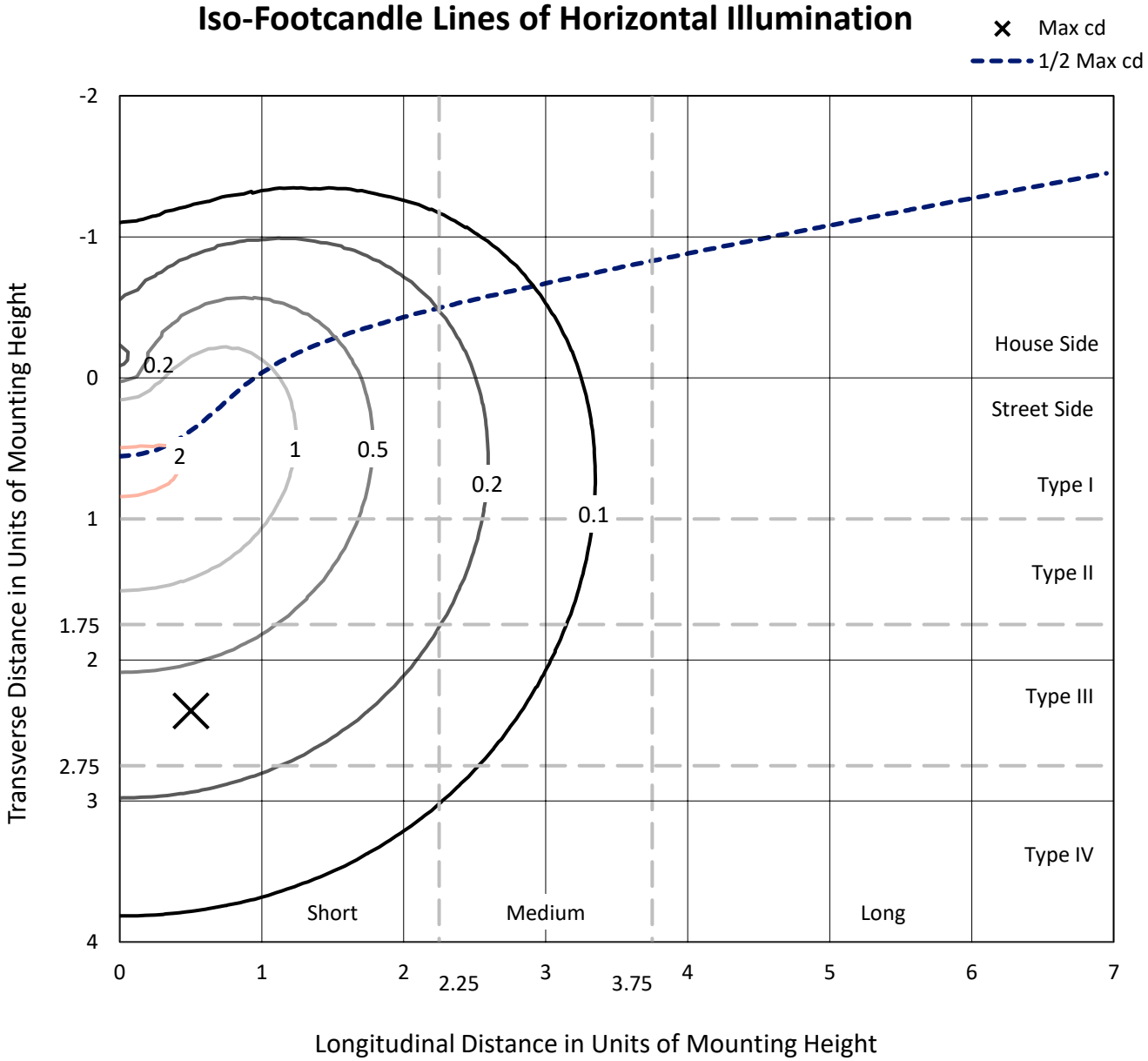


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Iso-Footcandle Lines of Horizontal Illumination



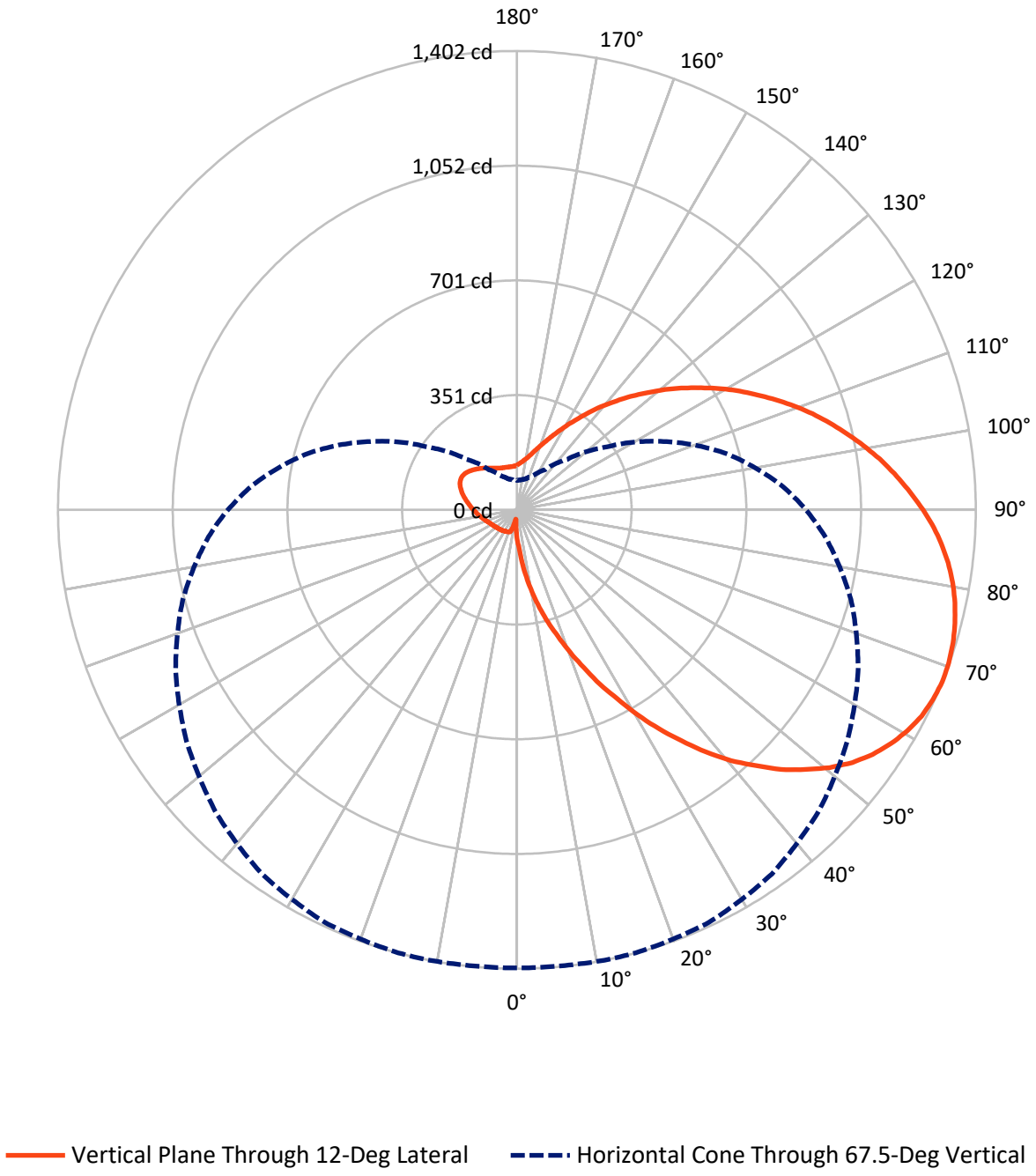
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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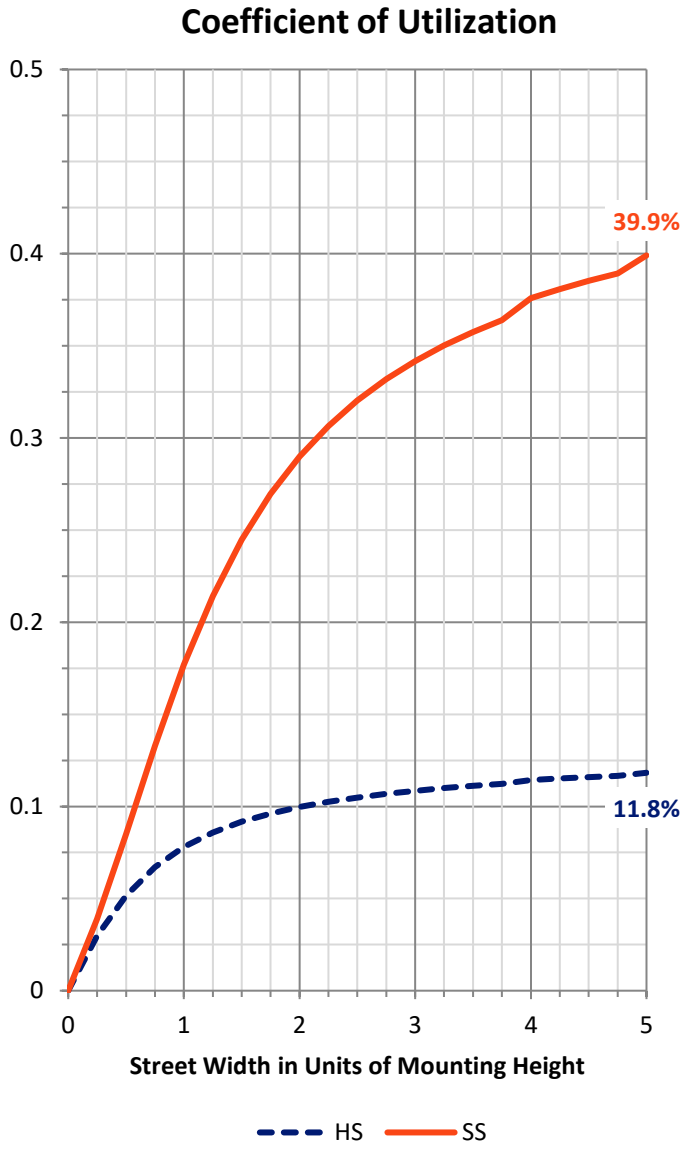
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.8	887.3	1804.1
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	3241.4	2078.4	5319.8
	% Fixture	45.5	29.2	74.7
Total	Lumens	4158.1	2965.8	7123.9
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.2
10°-20°	63.4	0.9
20°-30°	165.3	2.3
30°-40°	320.8	4.5
40°-50°	503.8	7.1
50°-60°	668.7	9.4
60°-70°	779.3	10.9
70°-80°	828.0	11.6
80°-90°	817.5	11.5
90°-100°	753.8	10.6
100°-110°	657.8	9.2
110°-120°	540.8	7.6
120°-130°	409.5	5.7
130°-140°	279.7	3.9
140°-150°	171.4	2.4
150°-160°	94.0	1.3
160°-170°	45.4	0.6
170°-180°	13.4	0.2
0°-90°	4158.1	58.4
0°-180°	7123.9	100.0



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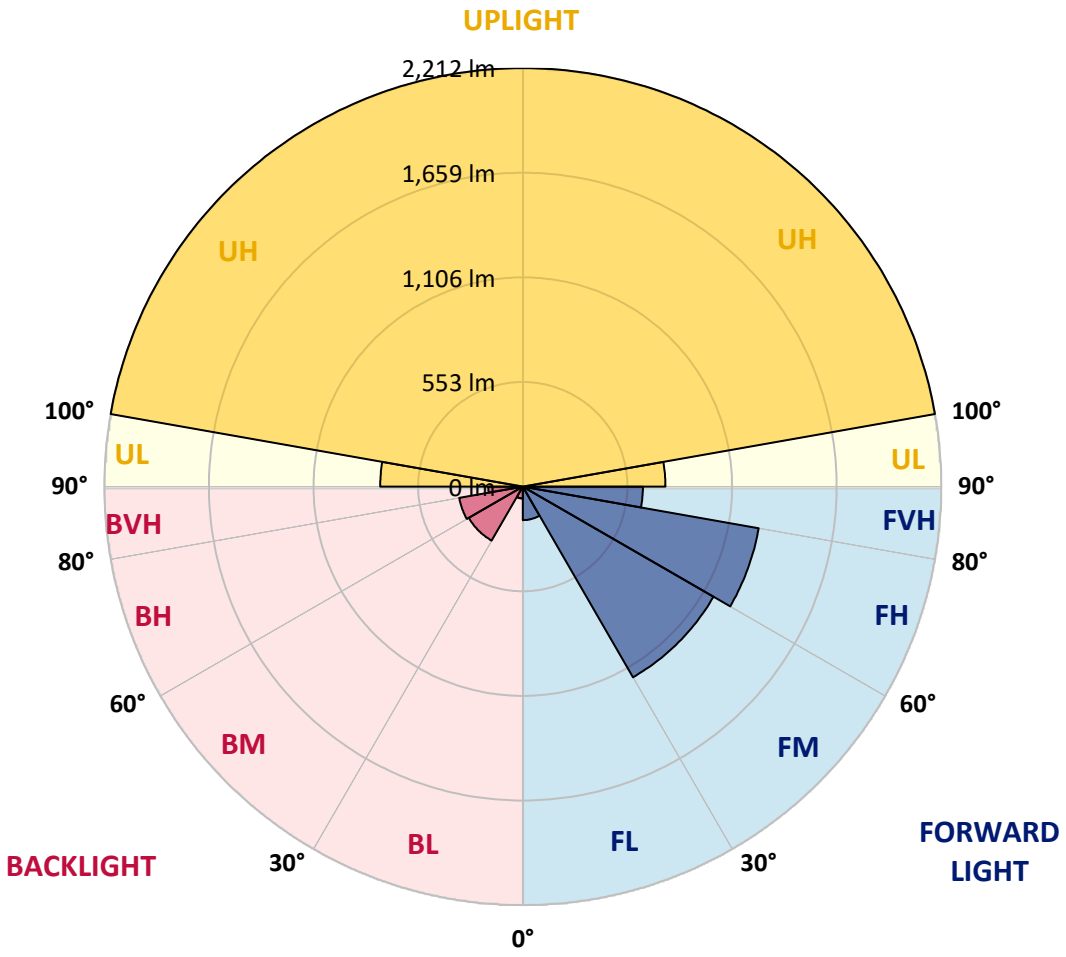
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	177.0	2.5			
FM	(30°-60°)	1163.9	16.3			
FH	(60°-80°)	1265.9	17.8			G1/1800
FVH	(80°-90°)	634.5	8.9			G4/750
BL	(0°-30°)	62.8	0.9	B0/110		
BM	(30°-60°)	329.6	4.6	B1/1000		
BH	(60°-80°)	341.4	4.8	B1/500		G1/500
BVH	(80°-90°)	183.0	2.6			G2/225
UL	(90°-100°)	753.8	10.6		U4/1000	
UH	(100°-180°)	2212.0	31.1		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	90.1	90.1	*90.1*	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	112.9	115.2	*112.9*	116.0	114.4	114.4	110.5	106.6	101.1	94.8	89.3
5°	159.9	159.1	*156.0*	159.1	156.0	152.0	145.8	135.6	125.4	116.0	104.2
7.5°	208.5	209.2	*206.9*	206.1	199.1	193.6	183.4	173.2	160.7	146.6	132.4
10°	261.0	259.4	*255.5*	256.3	248.4	237.5	225.7	214.0	199.8	183.4	165.4
12.5°	309.6	309.6	*306.4*	307.2	298.6	286.1	276.6	261.0	243.7	224.1	202.2
15°	361.3	358.2	*356.6*	356.6	348.0	337.0	326.8	309.6	289.2	267.2	242.2
17.5°	409.1	408.3	*406.7*	407.5	399.7	390.3	373.8	356.6	332.3	305.6	279.8
20°	470.2	467.1	*464.7*	460.8	456.1	443.6	427.9	405.2	380.9	351.9	317.4
22.5°	525.9	529.8	*523.5*	520.4	514.1	503.9	481.2	459.3	430.3	396.6	358.9
25°	590.1	593.3	*590.9*	587.0	578.4	564.3	543.1	518.8	484.3	445.9	401.3
27.5°	657.5	659.9	*653.6*	655.2	640.3	627.0	605.8	576.0	543.1	497.7	450.6
30°	724.1	728.8	*726.5*	721.0	708.5	696.7	671.6	640.3	602.7	552.5	498.4
32.5°	802.5	797.0	*797.8*	791.5	783.7	764.9	743.0	707.7	663.8	610.5	548.6
35°	875.4	873.0	*866.8*	869.9	856.6	839.3	811.9	774.3	726.5	667.7	599.5
37.5°	940.4	942.8	*938.9*	936.5	927.9	908.3	876.2	837.8	782.9	721.0	646.6
40°	1007.1	1008.6	*1007.8*	1007.8	996.1	974.1	941.2	898.1	841.7	775.1	694.4
42.5°	1070.5	1072.1	*1068.2*	1069.0	1059.6	1036.8	1001.6	956.1	893.4	823.7	735.9
45°	1131.7	1131.7	*1131.7*	1130.9	1117.6	1096.4	1060.4	1008.6	945.9	866.8	774.3
47.5°	1188.1	1186.5	*1185.7*	1185.7	1177.1	1152.0	1113.6	1057.2	989.0	906.0	811.9
50°	1238.3	1239.0	*1238.3*	1236.7	1223.4	1203.0	1159.9	1101.1	1029.0	943.6	843.3
52.5°	1281.4	1282.1	*1282.9*	1279.0	1270.4	1246.1	1198.3	1135.6	1062.7	973.4	869.1
55°	1315.8	1317.4	*1319.0*	1317.4	1308.8	1279.8	1232.0	1168.5	1090.1	998.4	891.9
57.5°	1348.0	1347.2	*1348.0*	1346.4	1337.0	1308.8	1259.4	1191.2	1112.1	1018.8	909.1
60°	1369.9	1370.7	*1370.7*	1370.7	1359.7	1330.7	1278.2	1208.5	1127.7	1034.5	924.0
62.5°	1384.8	1385.6	*1387.9*	1386.4	1376.2	1345.6	1291.5	1221.0	1139.5	1044.7	934.2
65°	1395.0	1395.8	*1397.3*	1395.8	1386.4	1355.0	1300.2	1228.8	1147.3	1052.5	941.2
67.5°	*1399.7*	*1399.7*	*1402.0*	*1401.3*	*1390.3*	*1358.2*	*1303.3*	*1232.0*	*1150.5*	*1056.4*	*945.9*
70°	1397.3	1398.1	*1399.7*	1398.9	1387.9	1355.8	1300.9	1230.4	1149.7	1056.4	946.7
72.5°	1391.9	1391.9	*1393.4*	1391.9	1381.7	1349.5	1295.5	1225.7	1145.8	1054.9	945.9
75°	1380.9	1381.7	*1382.5*	1381.7	1370.7	1339.3	1286.1	1217.1	1139.5	1049.4	942.8
77.5°	1367.6	1368.3	*1368.3*	1368.3	1356.6	1325.2	1273.5	1206.1	1130.9	1043.1	937.3
80°	1348.0	1348.8	*1350.3*	1348.8	1337.0	1308.8	1257.1	1192.8	1119.9	1032.9	930.3
82.5°	1326.0	1325.2	*1327.6*	1326.8	1315.1	1286.8	1235.9	1174.8	1103.5	1021.2	920.1
85°	1298.6	1298.6	*1300.2*	1298.6	1288.4	1258.6	1210.8	1152.8	1084.6	1003.9	907.5
87.5°	1268.0	1268.0	*1269.6*	1266.5	1254.7	1228.8	1183.4	1127.0	1064.3	986.7	893.4
90°	1232.0	1233.5	*1233.5*	1231.2	1219.4	1194.4	1152.8	1098.8	1037.6	965.5	877.0
92.5°	1197.5	1197.5	*1195.9*	1195.9	1183.4	1158.3	1119.9	1070.5	1013.3	944.4	858.9
95°	1160.7	1160.7	*1158.3*	1156.7	1144.2	1123.0	1086.2	1040.8	985.9	922.4	840.9
97.5°	1121.5	1120.7	*1119.1*	1117.6	1105.0	1084.6	1051.7	1007.8	957.7	897.3	821.3
100°	1081.5	1082.3	*1076.8*	1076.0	1063.5	1046.2	1014.9	974.1	927.9	871.5	800.2
102.5°	1037.6	1039.2	*1034.5*	1033.7	1021.2	1002.4	977.3	940.4	898.9	847.2	779.0
105°	998.4	994.5	*992.2*	990.6	979.6	962.4	935.7	906.7	867.6	819.0	755.5
107.5°	953.8	954.6	*949.8*	946.7	935.7	921.6	898.1	871.5	837.0	790.8	732.8
110°	909.1	907.5	*905.2*	903.6	891.1	878.5	858.2	836.2	802.5	762.5	708.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	862.9	863.6	*859.7*	857.4	848.8	835.4	820.5	799.4	770.4	732.8	681.8
115°	819.8	818.2	*815.1*	813.5	804.1	793.9	779.0	763.3	737.5	701.4	655.2
117.5°	775.9	772.7	*771.9*	769.6	762.5	752.4	740.6	727.3	702.2	670.9	627.0
120°	730.4	730.4	*728.8*	727.3	717.9	709.3	702.2	688.1	666.9	637.2	599.5
122.5°	688.1	687.3	*684.2*	681.8	677.1	669.3	660.7	649.7	630.9	604.2	568.2
125°	641.9	643.4	*641.1*	640.3	632.4	628.5	620.7	613.6	594.0	569.8	537.6
127.5°	603.5	601.1	*601.1*	597.2	593.3	589.3	583.1	573.7	560.3	535.3	505.5
130°	562.7	561.1	*558.8*	558.8	554.1	548.6	544.7	536.8	521.9	501.6	473.4
132.5°	521.9	520.4	*518.8*	516.5	513.3	512.5	508.6	500.0	485.9	467.9	443.6
135°	483.5	482.8	*482.0*	482.0	477.3	474.9	470.2	463.2	453.8	437.3	413.8
137.5°	447.5	445.1	*443.6*	443.6	442.0	438.1	434.2	428.7	418.5	405.2	384.0
140°	409.9	411.4	*411.4*	410.7	407.5	405.2	400.5	395.8	385.6	374.6	356.6
142.5°	378.5	377.7	*376.2*	375.4	373.8	370.7	368.3	362.9	356.6	344.8	329.2
145°	344.8	344.8	*344.0*	344.8	341.7	340.9	337.8	333.1	326.0	315.8	302.5
147.5°	315.0	315.0	*314.3*	315.0	312.7	310.3	308.0	304.9	298.6	290.8	279.0
150°	287.6	288.4	*286.8*	286.8	286.1	283.7	282.1	277.4	272.7	266.5	256.3
152.5°	262.5	263.3	*262.5*	261.8	261.0	259.4	257.1	253.9	249.2	243.7	235.1
155°	241.4	240.6	*240.6*	240.6	239.8	237.5	237.5	232.8	228.1	224.1	215.5
157.5°	221.0	221.0	*221.0*	221.0	219.4	218.7	217.1	213.2	210.8	205.3	199.1
160°	204.5	203.8	*203.8*	203.8	202.2	201.4	199.1	197.5	194.4	189.7	185.0
162.5°	188.1	188.9	*188.9*	188.9	187.3	186.5	185.0	183.4	181.0	176.3	173.2
165°	175.5	175.5	*175.5*	174.8	174.0	174.0	171.6	170.8	168.5	165.4	163.0
167.5°	165.4	165.4	*164.6*	165.4	163.8	162.2	161.4	159.9	158.3	156.7	154.4
170°	156.7	156.7	*156.7*	156.7	156.0	155.2	153.6	152.8	151.3	149.7	147.3
172.5°	149.7	149.7	*149.7*	149.7	148.9	148.1	146.6	145.8	145.0	143.4	141.9
175°	144.2	144.2	*144.2*	144.2	143.4	142.6	141.1	141.1	140.3	139.5	137.9
177.5°	140.3	140.3	*139.5*	139.5	138.7	137.9	137.9	137.1	137.1	136.4	135.6
180°	135.6	135.6	*135.6*	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	86.2	83.1	77.6	72.9	67.4	63.5	59.6	58.8	58.8	60.3	60.3
5°	99.5	92.5	81.5	71.3	59.6	50.9	43.1	36.1	31.3	29.0	29.0
7.5°	124.6	119.1	102.7	88.6	74.5	61.1	48.6	37.6	29.8	24.3	23.5
10°	156.7	148.1	128.5	110.5	91.7	75.2	60.3	47.0	37.6	32.9	32.9
12.5°	191.2	179.5	156.0	134.0	112.1	90.9	73.7	60.3	50.9	46.2	44.7
15°	228.1	214.7	186.5	158.3	131.7	108.9	89.3	72.9	63.5	58.8	58.0
17.5°	262.5	247.7	215.5	181.8	151.3	123.8	100.3	83.1	71.3	65.8	65.0
20°	300.2	280.6	242.9	203.8	167.7	134.8	108.2	87.8	73.7	67.4	66.6
22.5°	338.6	315.8	271.2	225.7	182.6	145.0	113.6	90.1	74.5	67.4	66.6
25°	379.3	354.2	301.7	249.2	199.1	155.2	119.1	92.5	76.0	67.4	66.6
27.5°	422.4	394.2	333.9	274.3	215.5	165.4	124.6	95.6	76.8	68.2	66.6
30°	468.7	436.5	366.8	298.6	231.2	174.8	129.3	97.2	77.6	68.2	67.4
32.5°	514.9	475.7	402.8	322.1	247.7	183.4	134.0	99.5	78.4	69.0	68.2
35°	559.6	521.2	435.7	346.4	263.3	192.0	137.9	101.1	79.9	69.7	68.2
37.5°	605.0	563.5	467.1	369.1	277.4	199.1	141.1	102.7	80.7	70.5	69.0
40°	648.1	599.5	497.7	391.1	289.2	205.3	143.4	103.4	81.5	71.3	69.7
42.5°	688.9	637.2	526.6	409.9	300.9	210.0	145.8	105.0	82.3	72.1	71.3
45°	723.4	670.1	551.7	428.7	309.6	214.0	147.3	105.8	83.1	72.9	72.1
47.5°	757.1	699.8	575.2	443.6	318.2	217.9	148.1	106.6	83.9	74.5	73.7
50°	786.8	726.5	596.4	456.9	324.5	219.4	148.9	107.4	85.4	76.0	75.2
52.5°	811.9	749.2	612.9	467.9	329.2	221.0	148.9	107.4	86.2	77.6	76.8
55°	832.3	768.8	627.7	475.7	332.3	221.8	148.9	108.2	87.8	79.2	78.4
57.5°	849.5	783.7	639.5	482.8	335.4	221.8	148.9	108.9	89.3	80.7	79.9
60°	862.1	796.2	648.1	487.5	336.2	221.0	148.9	109.7	90.9	83.1	82.3
62.5°	872.3	804.9	655.2	490.6	336.2	219.4	148.9	110.5	92.5	85.4	84.6
65°	879.3	811.1	659.9	492.2	335.4	218.7	148.9	112.1	94.8	87.8	87.0
67.5°	*883.2*	*815.8*	*663.0*	*493.7*	*334.6*	*218.7*	*149.7*	*114.4*	*97.2*	*90.9*	*90.1*
70°	884.8	816.6	663.8	492.9	333.9	217.1	150.5	116.0	100.3	94.0	93.3
72.5°	884.8	817.4	663.8	492.9	332.3	217.9	151.3	118.3	103.4	97.2	96.4
75°	882.5	815.1	663.0	491.4	331.5	217.1	153.6	121.5	106.6	101.1	100.3
77.5°	877.7	811.9	660.7	489.0	330.7	217.9	155.2	124.6	110.5	105.0	105.0
80°	872.3	807.2	657.5	486.7	329.9	219.4	157.5	128.5	114.4	109.7	108.9
82.5°	863.6	800.2	652.0	483.5	328.4	220.2	160.7	132.4	119.1	113.6	113.6
85°	851.9	790.0	645.0	479.6	326.8	221.8	163.8	135.6	123.8	118.3	118.3
87.5°	839.3	779.0	636.4	474.9	326.0	223.4	167.7	140.3	127.7	123.0	122.3
90°	824.5	765.7	627.7	469.4	325.2	225.7	170.8	145.0	133.2	128.5	127.7
92.5°	808.8	752.4	618.3	465.5	324.5	228.1	175.5	150.5	138.7	134.0	133.2
95°	793.1	738.2	608.9	460.0	324.5	231.2	180.3	156.0	144.2	139.5	138.7
97.5°	775.1	722.6	598.0	455.3	324.5	235.1	185.7	161.4	149.7	145.0	145.0
100°	756.3	706.9	587.0	450.6	325.2	239.0	191.2	167.7	156.0	151.3	151.3
102.5°	737.5	689.7	576.8	446.7	326.8	244.5	198.3	174.8	163.0	158.3	157.5
105°	717.1	672.4	565.1	441.2	328.4	249.2	204.5	181.0	169.3	164.6	164.6
107.5°	696.7	654.4	553.3	437.3	329.9	253.9	211.6	188.1	176.3	170.8	170.8
110°	674.0	634.8	540.8	432.6	331.5	259.4	217.1	194.4	181.8	177.1	176.3

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

Scaled Data Report

REPORT NUMBER: P1045879
CATALOG NUMBER: FFX-CLB-70-727-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	650.5	615.2	527.4	426.3	332.3	264.1	223.4	200.6	188.1	182.6	181.8
115°	625.4	593.3	512.5	420.1	332.3	268.0	228.1	205.3	192.8	187.3	186.5
117.5°	600.3	569.8	496.1	411.4	331.5	270.4	232.0	208.5	195.9	190.4	189.7
120°	573.7	546.2	479.6	402.8	328.4	271.2	233.5	210.8	197.5	192.0	191.2
122.5°	546.2	521.2	460.0	391.1	323.7	270.4	233.5	210.8	197.5	191.2	190.4
125°	516.5	494.5	439.7	377.0	316.6	267.2	232.0	209.2	195.9	189.7	188.1
127.5°	487.5	467.9	418.5	362.9	308.0	262.5	228.8	206.1	192.8	186.5	185.7
130°	459.3	439.7	396.6	347.2	297.8	256.3	223.4	201.4	188.9	181.8	181.0
132.5°	429.5	411.4	374.6	330.7	286.1	248.4	217.9	196.7	183.4	177.9	176.3
135°	399.7	385.6	351.9	313.5	274.3	239.8	211.6	191.2	178.7	172.4	172.4
137.5°	373.0	358.9	329.2	296.2	261.8	229.6	203.8	185.0	173.2	167.7	166.9
140°	345.6	334.6	308.0	279.0	248.4	220.2	197.5	179.5	168.5	163.0	162.2
142.5°	319.8	308.8	287.6	261.0	235.1	210.0	189.7	173.2	163.0	158.3	157.5
145°	293.9	286.1	265.7	244.5	221.8	199.8	181.0	166.9	158.3	153.6	153.6
147.5°	271.2	264.1	246.1	228.1	208.5	190.4	174.0	161.4	153.6	149.7	148.9
150°	249.2	242.9	228.1	213.2	195.1	180.3	166.1	156.0	148.9	145.8	145.0
152.5°	228.8	224.1	211.6	199.1	184.2	170.8	159.9	151.3	145.0	141.9	141.9
155°	211.6	207.7	196.7	185.7	174.0	163.0	153.6	146.6	141.9	139.5	138.7
157.5°	196.7	192.0	183.4	174.8	165.4	156.0	148.9	142.6	139.5	137.1	137.1
160°	182.6	178.7	171.6	165.4	157.5	150.5	144.2	140.3	137.1	135.6	135.6
162.5°	170.8	167.7	162.2	156.7	151.3	145.8	141.1	137.9	135.6	134.0	134.0
165°	160.7	159.1	154.4	150.5	145.8	141.9	138.7	136.4	134.8	134.0	134.0
167.5°	152.8	151.3	148.1	145.0	141.9	138.7	136.4	134.8	134.0	133.2	133.2
170°	146.6	145.0	143.4	141.1	138.7	136.4	134.8	134.0	133.2	133.2	133.2
172.5°	141.9	140.3	139.5	137.9	136.4	134.8	134.0	133.2	133.2	133.2	133.2
175°	137.9	137.1	136.4	135.6	134.8	134.0	133.2	133.2	133.2	133.2	133.2
177.5°	135.6	134.8	134.8	134.0	134.0	133.2	133.2	134.0	134.0	134.0	134.8
180°	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6	135.6

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

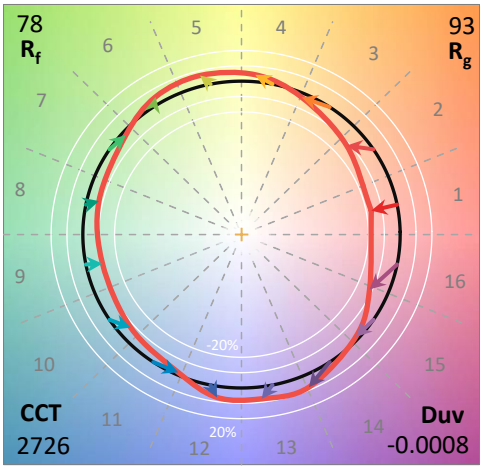
Test Information

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

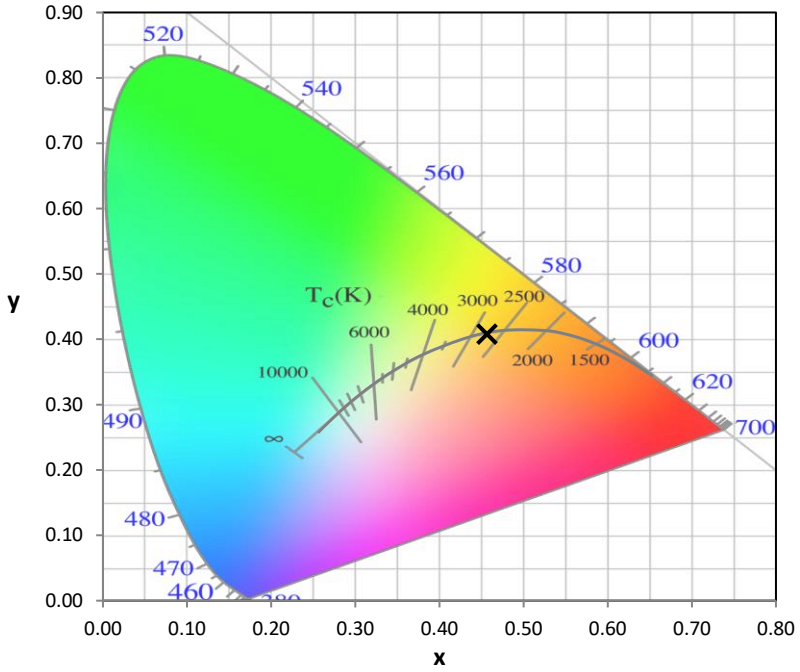
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

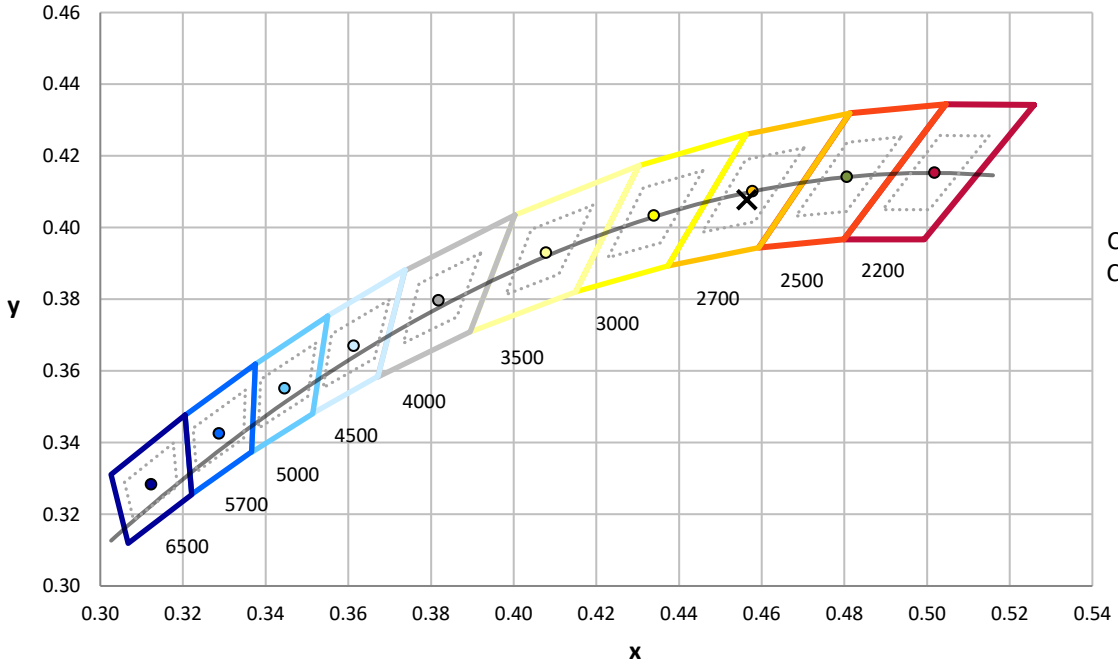
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

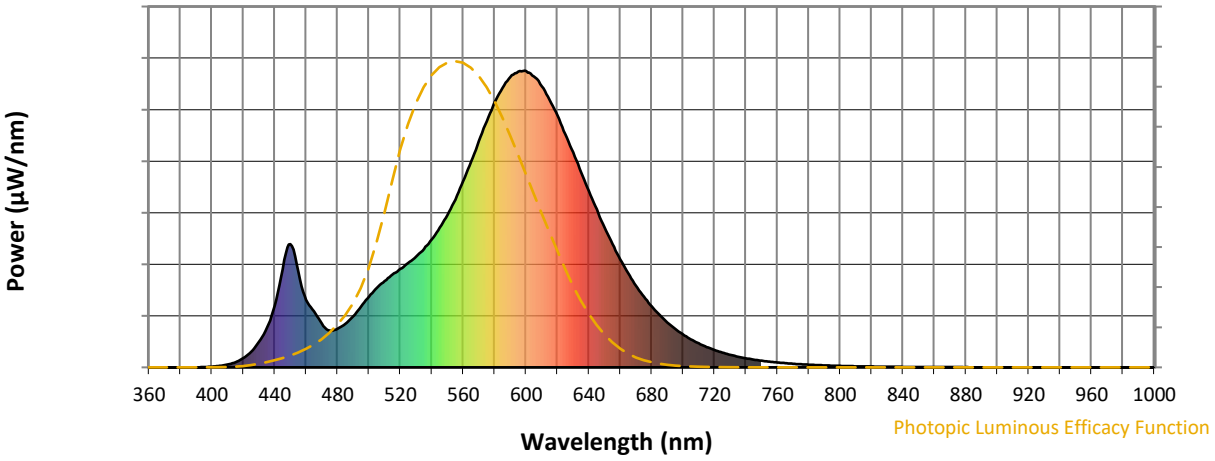


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

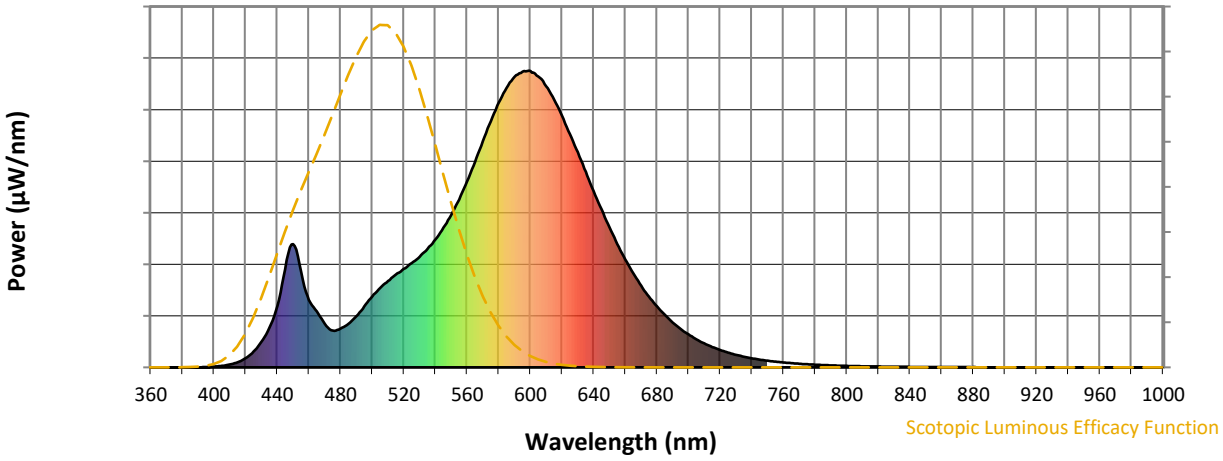


Photopic Lumens: NR

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

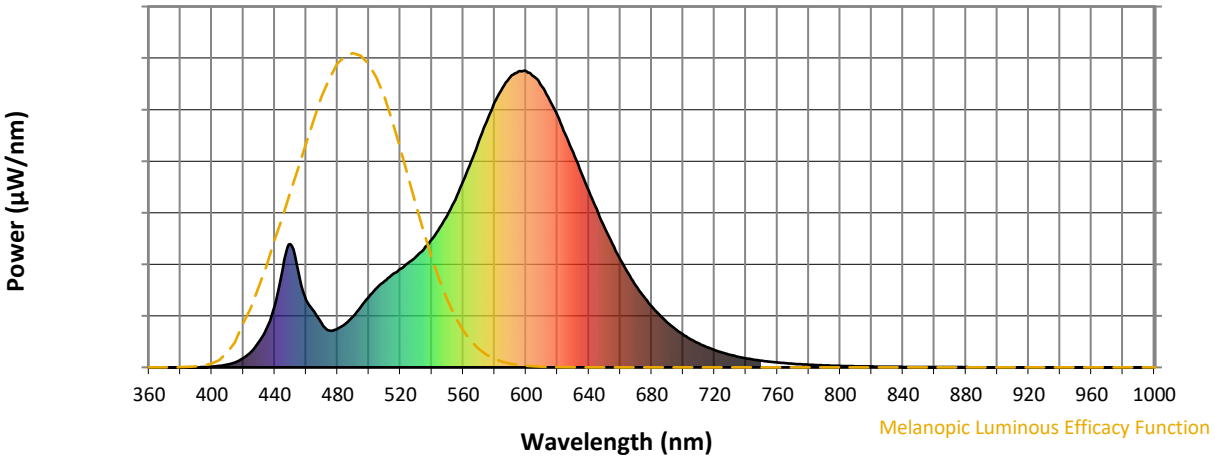


Scotopic Lumens: NR **S/P: 1.16**

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			

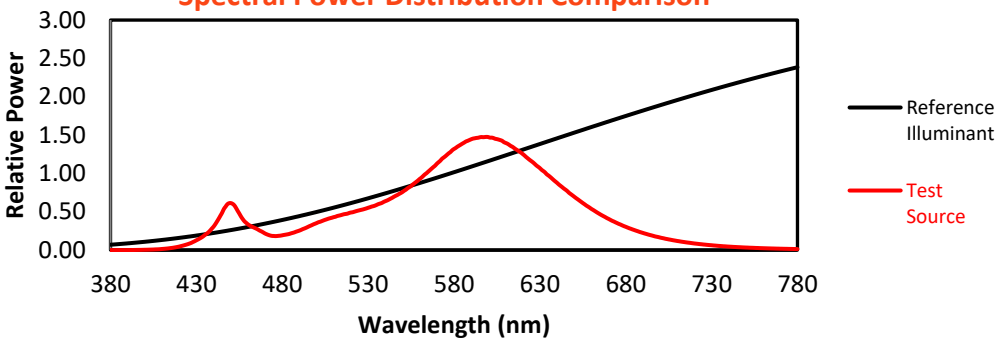
REPORT NUMBER: SP1-2501-332-3

TM-30-18

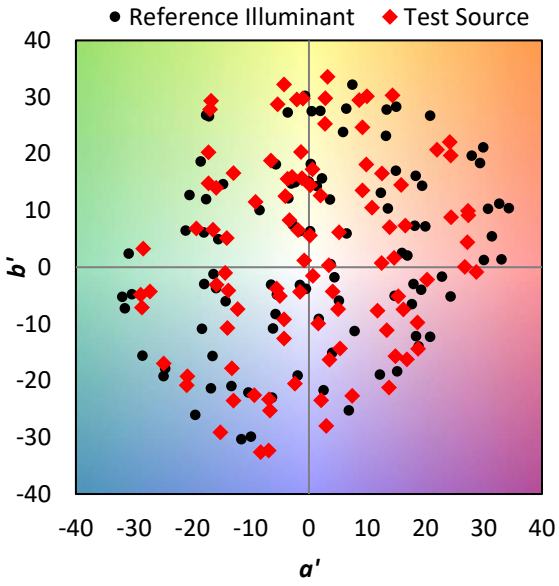
Summary

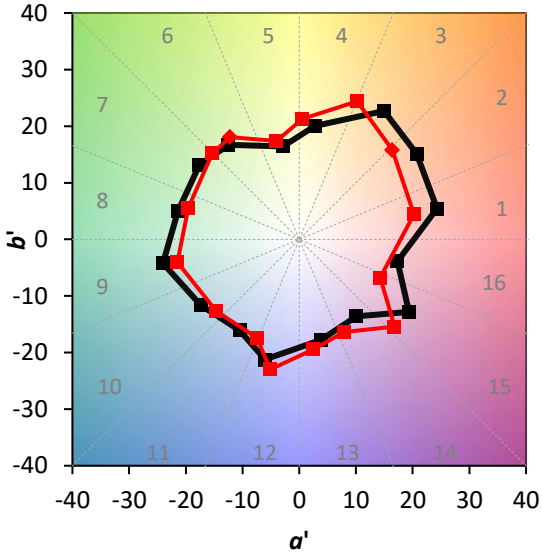
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

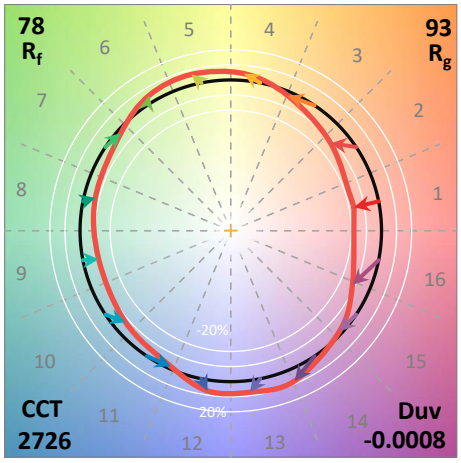
Spectral Power Distribution Comparison

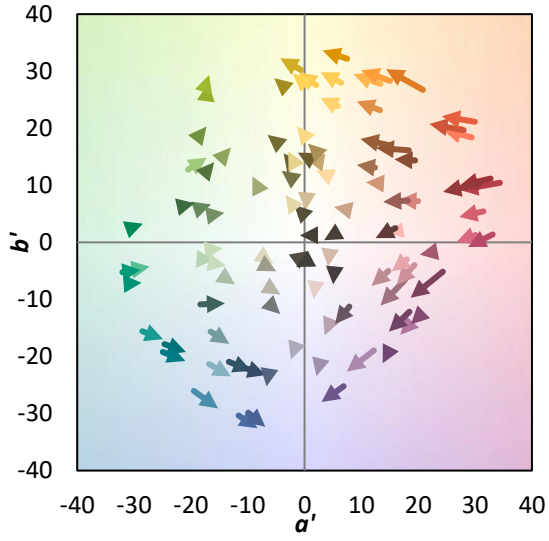


Color Vector Graphics







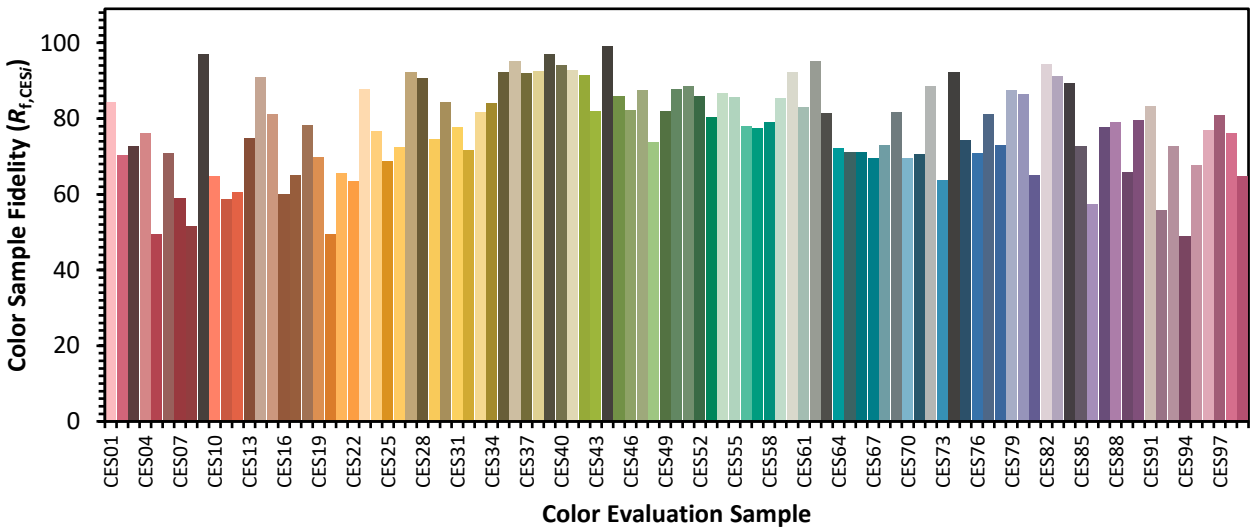


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

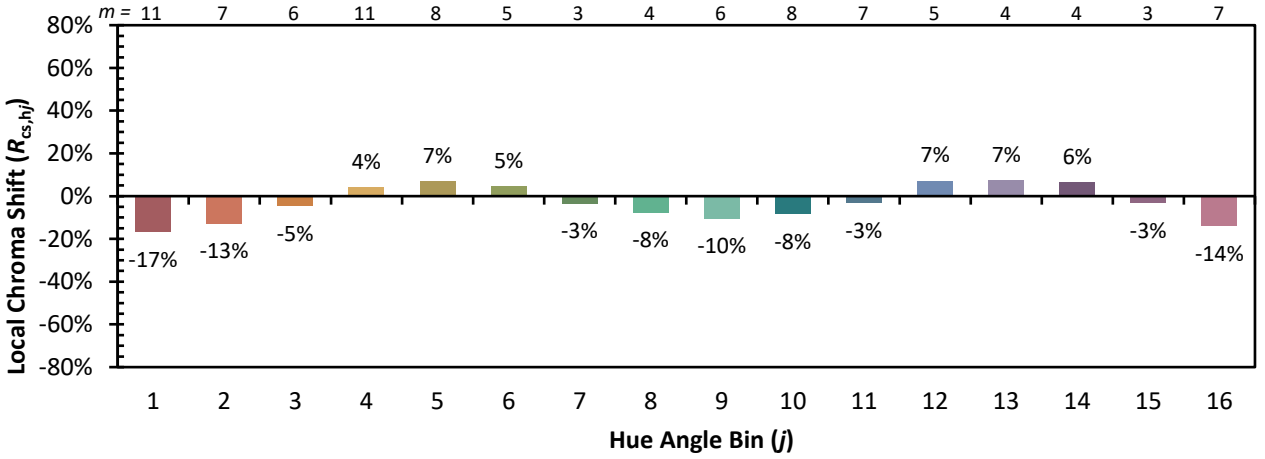
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

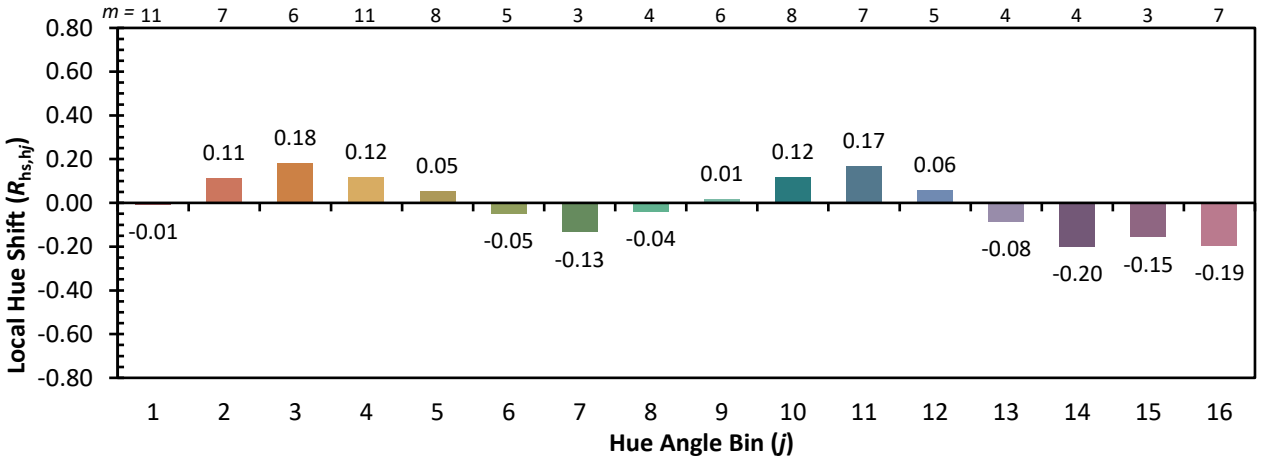


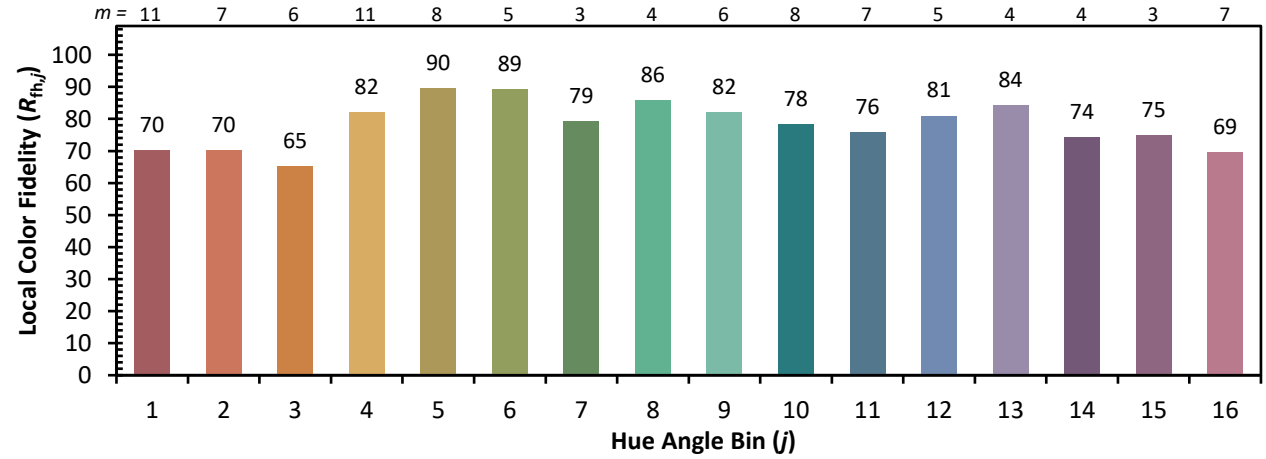
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Color Rendition by Hue-Angle Bin



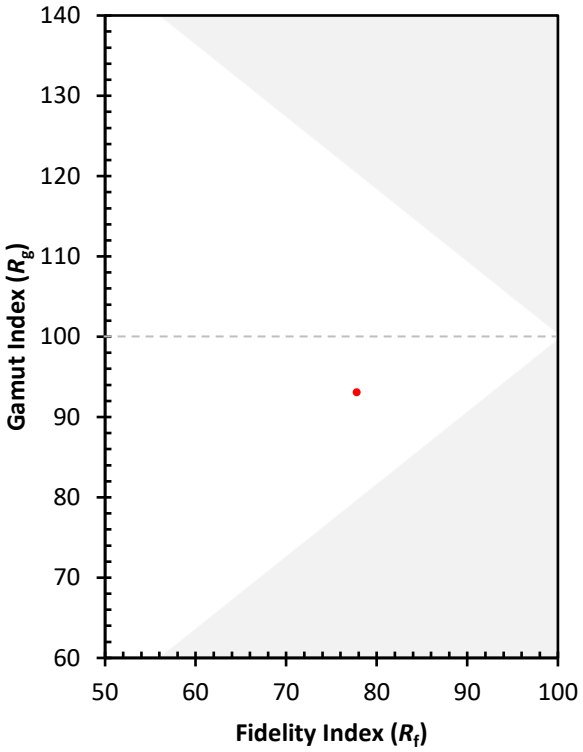


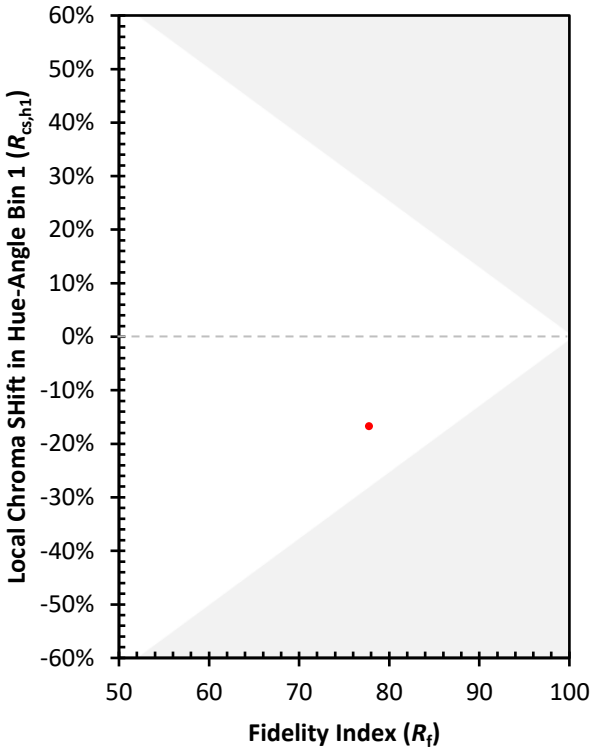


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Measure Comparisons





(END OF REPORT)