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: P1223936

Luminaire Tested: **FFX-CLB-60-727-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223936
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7917.8 lumens
Efficiency:	N/A
Efficacy:	130.7 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

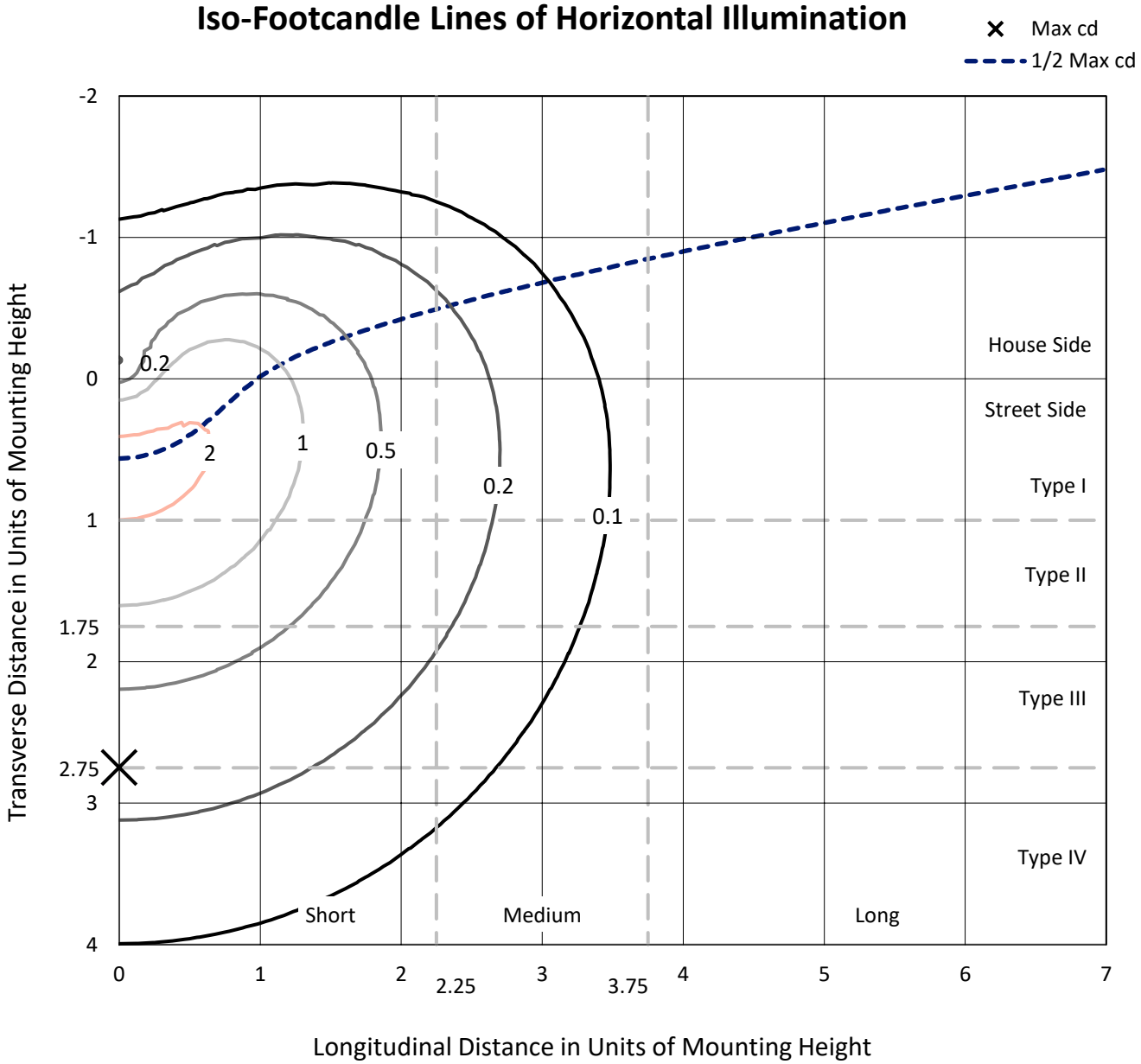


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Iso-Footcandle Lines of Horizontal Illumination



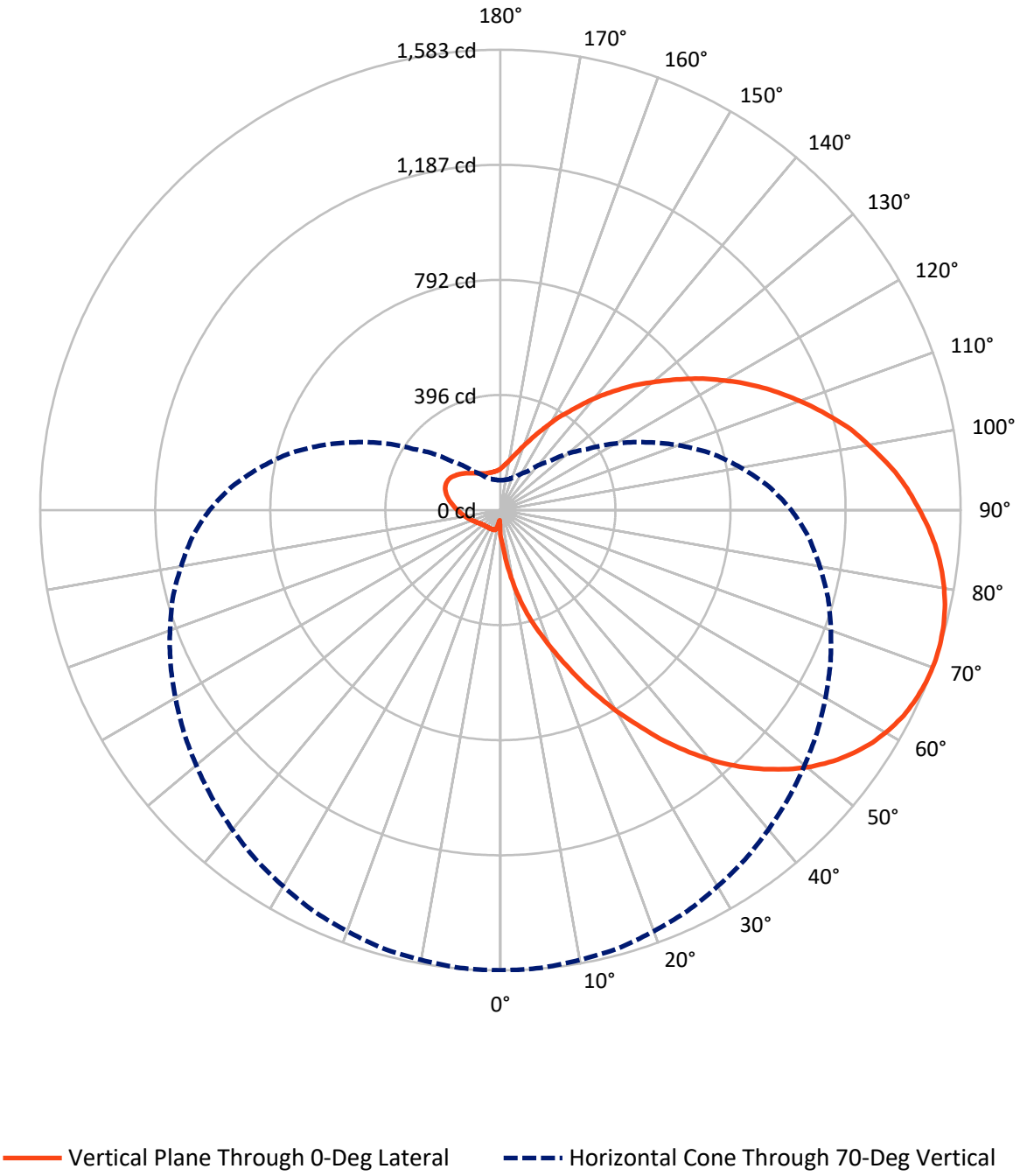
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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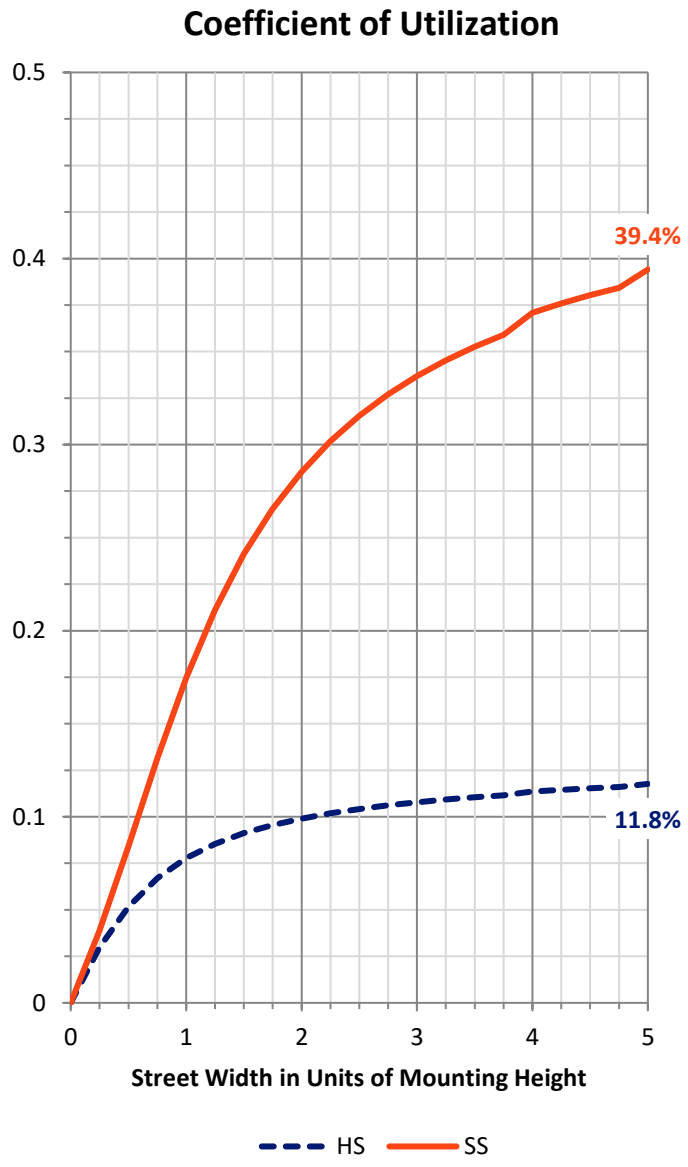
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.3	979.6	1994.8
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	3566.3	2356.7	5923.0
	% Fixture	45.0	29.8	74.8
Total	Lumens	4581.6	3336.3	7917.8
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.2
10°-20°	69.2	0.9
20°-30°	182.1	2.3
30°-40°	353.8	4.5
40°-50°	551.2	7.0
50°-60°	727.2	9.2
60°-70°	853.9	10.8
70°-80°	918.7	11.6
80°-90°	913.5	11.5
90°-100°	849.3	10.7
100°-110°	745.7	9.4
110°-120°	613.3	7.7
120°-130°	461.7	5.8
130°-140°	312.9	4.0
140°-150°	189.5	2.4
150°-160°	102.0	1.3
160°-170°	48.0	0.6
170°-180°	13.9	0.2
0°-90°	4581.6	57.9
0°-180°	7917.8	100.0



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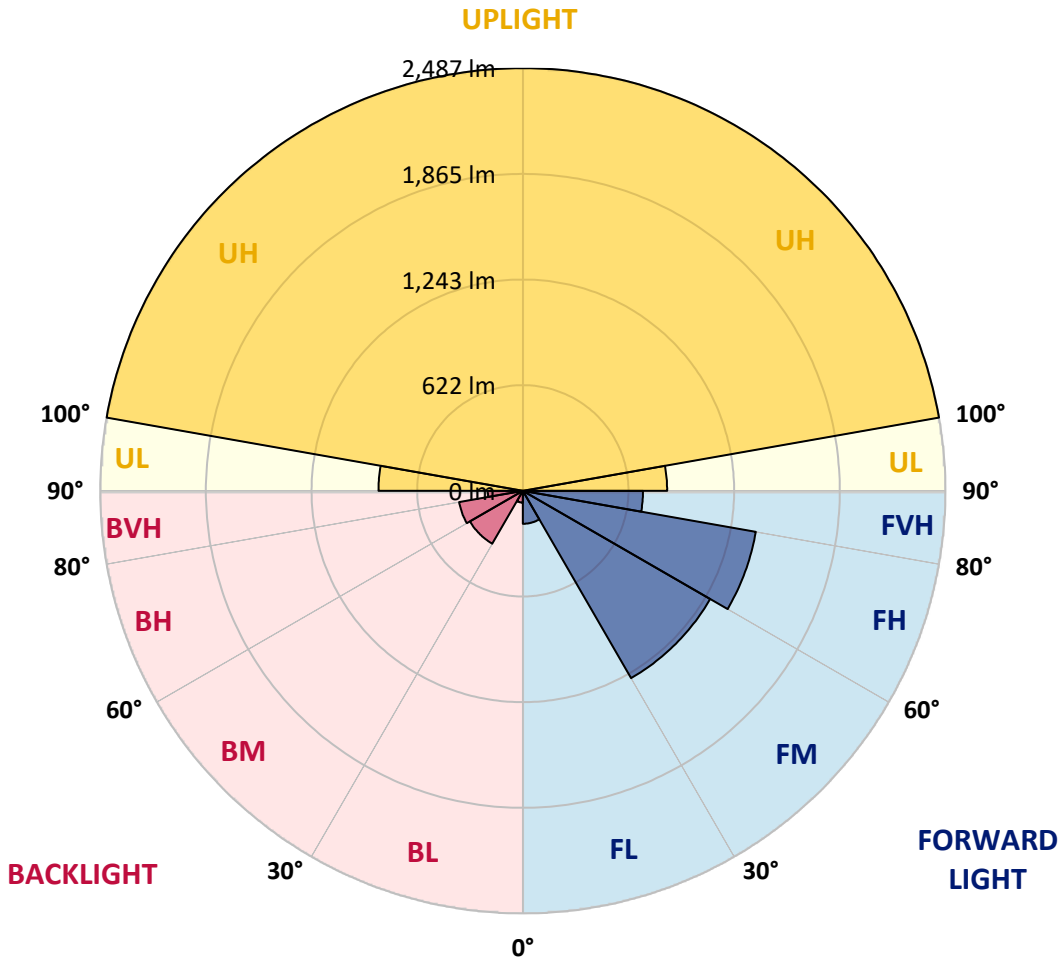
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	194.0	2.4			
FM	(30°-60°)	1272.9	16.1			
FH	(60°-80°)	1392.2	17.6			G1/1800
FVH	(80°-90°)	707.2	8.9			G4/750
BL	(0°-30°)	69.3	0.9	B0/110		
BM	(30°-60°)	359.3	4.5	B1/1000		
BH	(60°-80°)	380.5	4.8	B1/500		G1/500
BVH	(80°-90°)	206.2	2.6			G2/225
UL	(90°-100°)	849.3	10.7		U4/1000	
UH	(100°-180°)	2487.0	31.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	110.3	110.9	110.3	110.3	111.5	110.3	109.1	105.1	100.4	94.6	91.7
5°	154.4	154.4	157.3	157.3	154.4	148.0	140.5	130.0	120.8	110.9	103.9
7.5°	210.8	211.9	209.6	203.8	200.3	187.5	180.0	166.6	155.0	141.7	135.3
10°	269.4	270.0	267.1	261.8	250.8	238.0	227.0	211.3	196.2	178.8	169.5
12.5°	332.1	330.9	325.7	314.1	307.7	293.2	278.7	262.4	242.1	220.6	209.6
15°	391.9	389.6	387.2	375.1	366.3	351.8	335.0	312.9	289.1	265.3	249.1
17.5°	449.4	444.1	440.7	434.9	421.5	408.7	387.2	361.1	335.6	304.2	287.4
20°	510.9	512.1	506.3	498.1	483.6	465.0	444.1	416.3	384.3	347.2	326.9
22.5°	580.0	580.0	576.5	566.1	551.0	527.2	502.8	473.8	434.3	395.4	370.4
25°	656.6	652.6	647.9	634.6	621.8	596.3	567.2	535.9	494.7	447.6	419.8
27.5°	732.7	730.9	726.3	711.8	695.5	668.8	639.8	599.2	554.5	499.3	470.3
30°	813.4	811.6	807.0	793.1	769.3	743.1	708.3	664.8	616.0	553.9	521.9
32.5°	891.2	891.2	885.4	870.9	845.9	814.6	777.4	728.6	674.6	610.8	572.5
35°	977.7	977.1	966.7	949.2	919.1	891.8	850.0	798.9	737.9	664.8	624.1
37.5°	1057.2	1054.3	1043.9	1025.3	997.4	962.0	915.0	858.7	796.0	718.2	672.3
40°	1135.6	1132.1	1122.8	1101.9	1068.3	1028.2	980.0	919.6	848.8	768.1	720.5
42.5°	1206.4	1205.3	1191.9	1167.0	1133.3	1088.0	1036.3	972.5	901.6	814.6	764.0
45°	1270.9	1270.9	1257.5	1230.2	1191.9	1146.1	1089.2	1023.6	948.1	856.9	803.5
47.5°	1331.8	1331.8	1319.1	1287.7	1245.3	1194.8	1136.8	1068.8	988.7	895.3	838.4
50°	1387.0	1384.7	1370.2	1335.3	1292.4	1239.5	1178.6	1107.2	1026.5	929.5	872.0
52.5°	1434.6	1431.7	1414.9	1382.4	1334.2	1277.9	1214.0	1141.4	1057.2	959.1	900.5
55°	1474.7	1472.9	1456.7	1419.5	1369.0	1312.7	1244.8	1169.3	1086.3	984.1	924.9
57.5°	1509.5	1506.6	1487.4	1449.7	1399.2	1337.7	1269.1	1194.3	1108.3	1006.7	945.2
60°	1535.6	1532.7	1513.0	1475.3	1424.2	1359.1	1290.6	1214.6	1127.5	1024.7	962.0
62.5°	1557.1	1553.6	1534.5	1494.4	1441.0	1377.1	1306.9	1229.7	1142.6	1039.2	976.5
65°	1570.5	1567.6	1549.0	1508.9	1453.8	1389.3	1319.1	1241.3	1154.8	1050.3	987.6
67.5°	1579.2	1576.9	1557.7	1518.8	1463.6	1398.0	1326.6	1248.8	1162.9	1058.4	995.7
70°	1583.2	1580.9	1561.2	1521.7	1467.1	1401.5	1330.1	1252.3	1167.0	1064.2	1000.9
71°	1583.2	1580.9	1561.8	1522.3	1467.7	1402.1	1330.7	1252.9	1167.5	1064.8	1001.5
72.5°	1581.5	1579.8	1560.6	1520.5	1466.0	1400.9	1328.9	1252.3	1167.5	1065.4	1002.7
75°	1575.1	1571.6	1553.0	1514.1	1460.2	1395.1	1323.7	1247.1	1164.1	1063.6	1001.5
77.5°	1563.5	1560.6	1541.4	1503.7	1449.7	1384.1	1313.3	1238.4	1157.1	1057.8	996.9
80°	1546.7	1543.8	1525.2	1486.3	1432.9	1369.6	1298.8	1225.0	1144.9	1048.5	988.7
82.5°	1525.2	1522.9	1504.9	1466.0	1413.1	1350.4	1279.6	1207.6	1131.5	1035.8	977.1
85°	1499.6	1496.7	1477.0	1438.7	1388.2	1325.5	1256.4	1186.7	1112.4	1020.1	963.2
87.5°	1468.9	1467.1	1447.4	1410.8	1360.3	1298.2	1232.0	1164.1	1090.9	1002.7	947.5
90°	1435.2	1434.6	1413.7	1377.1	1327.2	1268.6	1203.0	1136.8	1065.9	981.8	928.3
92.5°	1401.5	1401.5	1380.6	1342.9	1293.5	1235.5	1173.4	1109.5	1042.1	960.9	909.8
95°	1364.4	1360.3	1340.6	1306.9	1257.5	1201.8	1142.0	1079.3	1014.3	937.1	888.9
97.5°	1320.8	1319.7	1300.5	1264.5	1219.2	1165.8	1107.7	1049.7	987.0	912.7	866.8
100°	1278.4	1276.1	1258.1	1225.0	1178.6	1127.5	1072.9	1017.2	958.0	887.7	843.6
102.5°	1236.6	1230.8	1212.2	1178.6	1137.9	1088.0	1036.9	985.8	927.8	861.0	819.8
105°	1186.1	1185.5	1166.4	1134.5	1093.2	1049.1	1000.9	951.0	898.2	833.7	795.4
107.5°	1136.8	1136.8	1118.8	1087.4	1048.5	1006.1	963.2	916.2	867.4	805.3	770.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1086.3*	1085.7	1069.4	1041.6	1004.4	963.8	924.3	881.3	832.6	778.0	743.7
112.5°	*1036.3*	1035.2	1019.5	991.0	956.8	923.7	884.2	844.7	800.0	749.5	717.0
115°	*985.8*	984.7	967.8	942.9	911.5	877.3	844.2	806.4	767.5	717.0	688.6
117.5°	*933.6*	932.4	918.5	894.1	864.5	837.2	804.1	771.6	732.1	686.2	657.8
120°	*880.2*	880.7	866.8	844.7	817.5	791.9	762.9	733.3	696.7	653.2	625.9
122.5°	*829.6*	825.6	816.3	796.6	772.2	748.4	724.0	693.8	659.5	618.3	594.5
125°	*775.7*	774.5	765.2	745.5	724.6	706.0	683.3	656.1	624.7	582.9	561.4
127.5°	*723.4*	725.1	714.7	700.2	679.9	664.2	641.0	617.2	587.0	549.2	528.9
130°	*674.6*	673.5	667.7	652.6	635.7	619.5	602.1	580.6	552.1	514.4	495.8
132.5°	*629.3*	624.1	618.9	606.1	592.2	578.8	563.7	542.3	513.2	480.1	463.9
135°	*580.0*	580.0	571.9	560.8	551.0	538.2	523.1	503.4	478.4	449.4	430.8
137.5°	*534.7*	532.4	527.2	518.5	509.2	499.9	487.1	467.4	445.3	417.4	401.2
140°	*491.8*	490.0	485.4	477.8	470.3	461.6	449.9	433.1	412.8	386.1	372.2
142.5°	*447.0*	448.2	444.1	438.9	430.2	424.4	414.0	398.9	380.9	357.6	344.3
145°	*407.0*	407.6	405.8	400.6	394.2	388.4	377.4	366.3	348.9	328.0	318.2
147.5°	*373.9*	371.6	368.1	365.2	359.4	354.7	346.0	335.6	319.3	301.3	292.0
150°	*336.7*	338.5	335.0	331.5	328.0	321.6	315.3	306.5	291.5	276.9	267.1
152.5°	*305.4*	306.5	303.6	301.9	298.4	293.2	286.8	278.7	267.1	254.3	245.0
155°	*277.5*	277.5	277.5	275.2	271.1	267.6	261.3	253.7	243.8	232.2	225.8
157.5°	*252.0*	252.6	252.6	249.6	246.7	243.8	238.6	232.2	223.5	213.7	209.0
160°	*231.7*	230.5	229.9	227.6	225.3	222.9	218.3	213.1	205.5	197.4	193.3
162.5°	*211.3*	211.3	210.2	208.4	206.7	203.2	200.3	195.1	189.8	184.0	179.4
165°	*195.7*	195.1	195.1	192.8	191.0	188.1	185.2	181.7	177.1	171.9	168.4
167.5°	*182.3*	181.1	180.6	179.4	177.1	175.3	172.4	169.5	166.0	162.6	159.7
170°	*169.5*	170.1	168.9	167.8	166.6	164.9	162.6	160.2	157.3	153.9	152.7
172.5°	*160.8*	160.2	159.7	158.5	157.3	155.6	154.4	152.1	150.4	148.0	146.9
175°	*152.7*	152.7	152.1	151.0	149.8	148.6	147.5	146.3	145.1	143.4	142.8
177.5°	*146.3*	146.3	146.3	145.1	144.6	144.0	142.8	142.2	141.7	140.5	140.5
180°	*139.9*	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	88.8	81.3	74.9	69.1	64.4	60.4	58.1	54.0	51.1	49.3
5°	99.9	88.8	79.5	70.3	63.3	55.7	48.2	40.6	36.0	35.4
7.5°	126.6	114.4	100.4	88.2	74.3	62.7	52.8	45.3	42.4	41.8
10°	160.2	142.2	123.7	105.7	87.7	73.2	62.7	55.7	52.3	51.7
12.5°	197.4	173.0	149.2	126.0	104.5	88.2	75.5	67.3	63.3	63.3
15°	235.7	205.5	175.3	146.9	121.9	101.6	85.9	75.5	70.8	70.3
17.5°	269.4	235.1	199.1	165.5	135.3	109.7	91.2	78.4	72.6	72.0
20°	307.7	264.2	222.9	181.1	145.7	116.1	94.1	79.5	72.0	71.4
22.5°	348.3	299.0	247.9	199.1	156.8	122.5	97.0	80.7	72.6	71.4
25°	394.2	335.0	273.5	217.1	167.8	128.3	99.9	81.9	73.2	72.0
27.5°	437.8	372.2	300.7	234.0	177.7	133.5	102.2	83.0	73.7	72.6
30°	484.2	408.7	327.4	252.0	188.1	138.8	104.5	83.6	73.7	72.6
32.5°	531.2	444.1	355.3	268.2	196.8	142.2	105.7	84.2	74.3	73.2
35°	581.2	482.5	381.4	285.1	204.9	145.7	106.8	84.8	74.3	73.2
37.5°	627.0	519.0	407.0	299.6	211.9	148.6	108.0	84.8	74.9	73.7
40°	668.2	552.1	429.6	312.4	217.7	150.4	108.6	85.3	75.5	74.3
42.5°	708.9	584.6	449.9	322.8	222.4	151.5	109.1	85.9	76.1	74.9
45°	744.9	611.9	468.5	332.7	225.8	152.7	109.7	86.5	76.6	75.5
47.5°	776.8	637.5	485.9	340.8	228.2	153.3	110.3	87.1	77.8	76.6
50°	807.6	661.9	499.3	347.2	230.5	153.9	110.3	88.2	79.5	78.4
52.5°	833.7	681.6	511.5	352.4	231.7	154.4	111.5	89.4	80.7	80.1
55°	856.4	699.0	522.5	356.5	232.8	154.4	112.6	91.2	83.0	81.9
57.5°	874.9	713.0	530.1	358.8	232.8	155.0	113.2	93.5	85.3	84.2
60°	891.2	725.1	537.0	361.7	233.4	155.6	115.0	95.8	88.2	87.7
62.5°	904.5	734.4	542.3	363.4	234.0	157.3	117.3	98.7	91.2	90.6
65°	915.0	742.6	546.3	364.6	234.6	158.5	119.6	101.6	95.2	94.6
67.5°	922.0	748.4	549.2	365.2	235.1	160.2	122.5	105.7	99.3	98.1
70°	*927.2*	*751.8*	*551.0*	*365.8*	*236.3*	*162.0*	*126.0*	*109.1*	*103.3*	*102.8*
71°	928.3	752.4	551.5	365.8	236.9	163.1	127.1	110.9	105.1	104.5
72.5°	928.9	753.0	551.5	365.8	237.5	164.9	129.5	113.8	108.0	107.4
75°	928.3	752.4	551.0	365.8	238.6	167.8	133.5	117.9	112.6	112.1
77.5°	924.3	750.1	549.2	365.8	240.4	171.3	138.2	123.7	117.9	117.3
80°	917.3	745.5	546.3	365.2	242.1	175.3	142.8	128.9	123.1	122.5
82.5°	908.0	738.5	542.3	365.2	244.4	178.8	147.5	133.5	128.9	128.3
85°	895.8	730.4	538.2	364.6	247.3	183.5	153.3	139.9	135.3	134.1
87.5°	881.3	720.5	533.6	364.6	250.2	188.7	159.1	145.7	141.1	139.9
90°	865.1	709.5	528.9	364.6	253.7	193.9	165.5	152.1	146.9	146.3
92.5°	848.8	699.0	524.3	365.2	258.4	199.7	171.9	159.1	153.9	153.9
95°	830.2	686.2	519.0	366.3	263.0	206.1	179.4	166.0	160.8	160.2
97.5°	811.6	674.6	515.0	368.1	268.2	213.7	186.4	173.6	168.4	167.2
100°	790.7	662.4	510.9	370.4	274.6	220.6	193.9	181.1	175.9	175.3
102.5°	770.4	649.1	506.3	373.3	281.0	228.7	202.0	188.7	183.5	182.9
105°	748.4	635.2	501.0	375.6	287.4	236.3	209.6	195.7	189.8	189.8
107.5°	726.9	620.6	495.8	378.5	293.8	243.8	216.6	202.6	196.2	195.7

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

Scaled Data Report

REPORT NUMBER: P1223936
CATALOG NUMBER: FFX-CLB-60-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	702.5	605.0	489.4	380.3	299.6	250.2	222.9	207.8	201.5	200.9
112.5°	680.4	588.1	482.5	380.9	304.8	256.0	228.2	212.5	206.1	204.9
115°	652.6	570.7	473.2	379.7	307.7	260.7	231.7	215.4	208.4	207.3
117.5°	625.9	551.0	463.3	376.8	309.4	263.0	234.0	217.1	209.6	208.4
120°	598.6	528.9	449.4	371.6	307.7	263.0	234.0	216.0	208.4	207.8
122.5°	567.8	505.7	434.9	364.0	304.8	260.7	231.7	214.2	206.1	205.5
125°	535.9	480.7	417.4	353.6	299.0	257.2	228.2	210.8	202.6	202.0
127.5°	505.1	455.2	399.4	341.4	290.9	251.4	223.5	205.5	197.4	196.2
130°	474.9	428.5	379.1	326.9	281.0	243.8	217.1	200.3	192.2	191.0
132.5°	443.6	402.9	358.8	312.9	270.5	235.7	210.2	193.9	186.4	185.2
135°	414.0	376.2	336.7	296.1	258.4	226.4	202.6	187.5	180.0	179.4
137.5°	385.5	351.3	316.4	279.8	246.2	217.1	195.1	181.1	174.2	173.0
140°	356.5	326.9	295.5	264.2	232.8	207.3	187.5	174.2	167.8	166.6
142.5°	331.5	303.6	275.8	246.7	220.0	196.8	179.4	167.2	162.0	161.4
145°	305.4	281.0	256.0	231.1	207.8	187.5	171.9	161.4	156.2	155.6
147.5°	282.2	258.9	237.5	216.0	195.7	177.7	164.3	155.6	151.5	151.0
150°	258.4	239.8	221.2	201.5	184.0	168.9	157.9	150.4	146.3	145.7
152.5°	237.5	221.8	204.9	189.8	173.6	161.4	152.1	145.1	142.2	141.7
155°	219.5	206.1	192.2	178.2	165.5	155.6	147.5	141.7	139.3	139.3
157.5°	203.8	192.2	180.6	168.9	158.5	149.8	143.4	139.3	137.0	136.4
160°	188.7	179.4	168.9	160.2	152.1	145.7	140.5	137.0	135.3	134.7
162.5°	176.5	168.4	161.4	153.9	147.5	142.2	138.2	135.3	134.1	134.1
165°	166.0	160.2	153.9	148.6	143.4	139.3	136.4	134.7	133.5	133.5
167.5°	157.9	152.7	148.6	144.0	140.5	137.6	135.3	134.1	133.5	133.0
170°	151.0	147.5	144.0	141.1	138.2	136.4	134.7	134.1	133.5	133.5
172.5°	145.7	143.4	141.1	138.8	137.0	135.3	134.7	134.1	134.1	134.1
175°	141.7	140.5	138.8	137.6	136.4	135.9	135.3	135.3	135.3	135.3
177.5°	139.9	138.8	138.2	137.6	137.0	137.0	137.0	137.6	137.6	137.6
180°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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

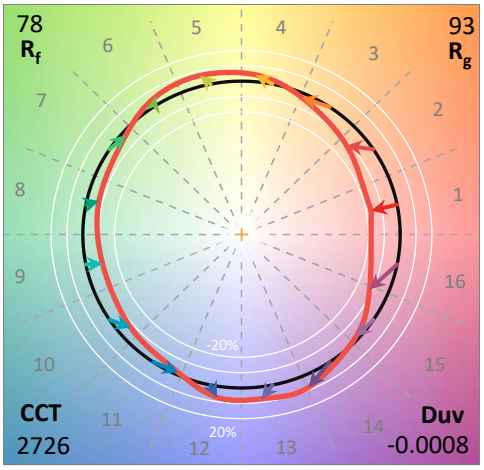
Test Information

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

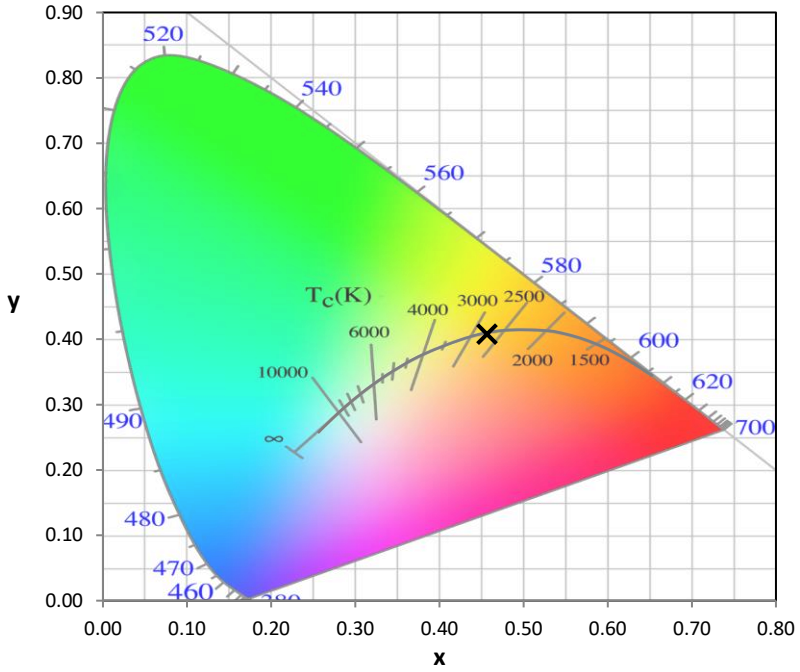
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

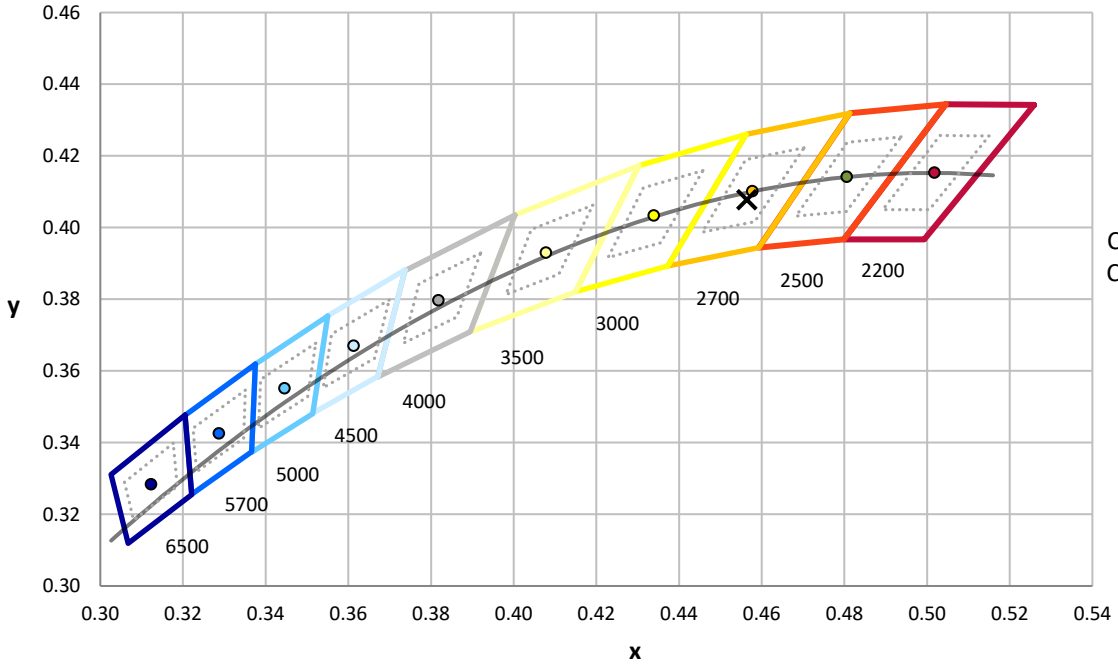
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

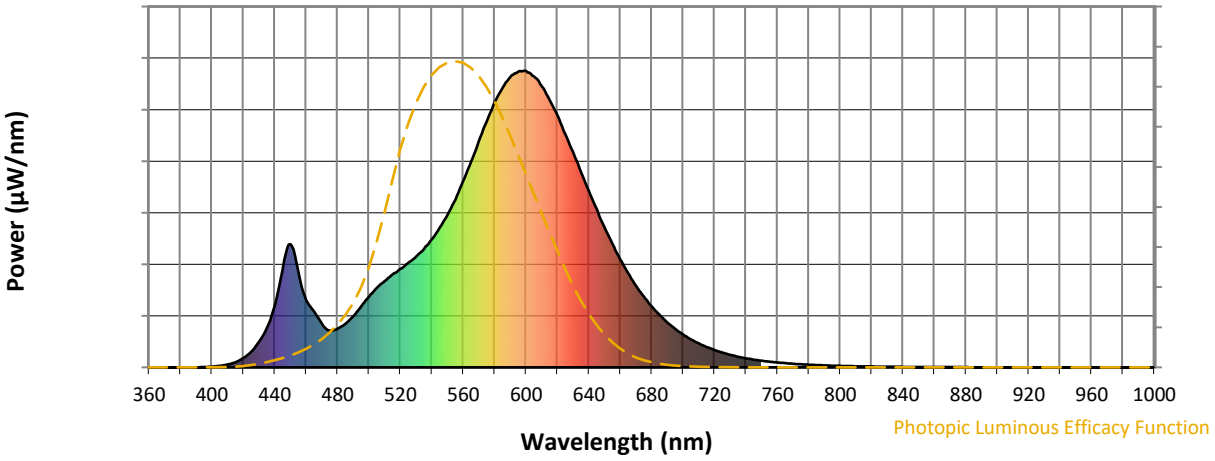


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

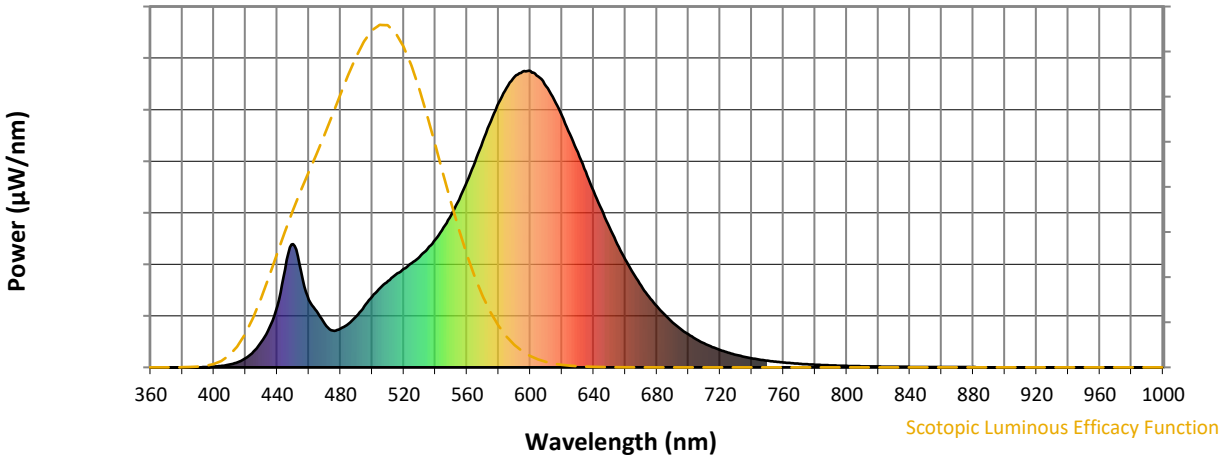


Photopic Lumens: NR

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

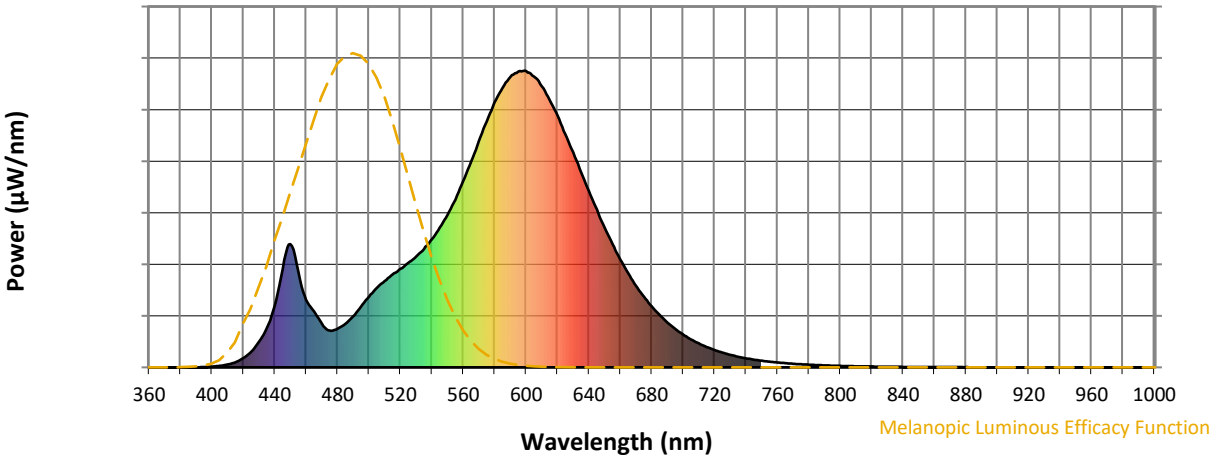


Scotopic Lumens: NR **S/P: 1.16**

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			

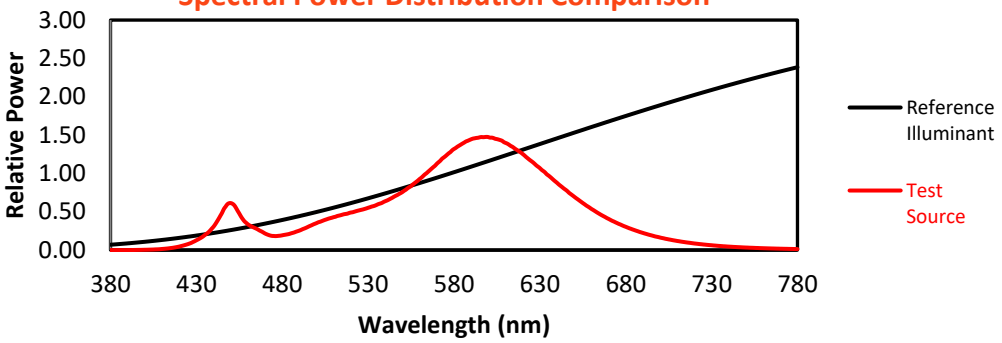
REPORT NUMBER: SP1-2501-332-3

TM-30-18

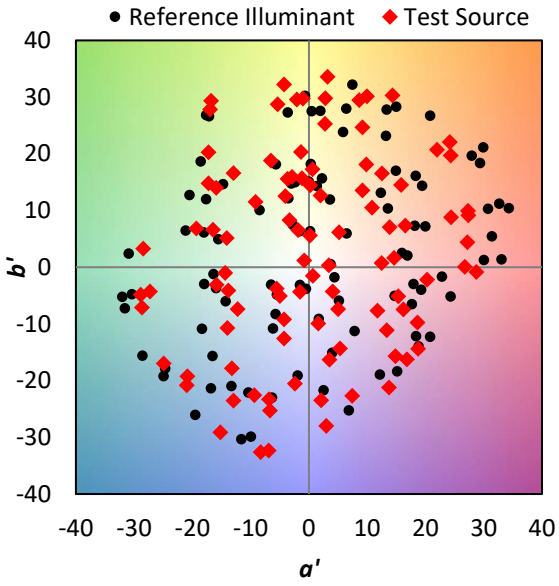
Summary

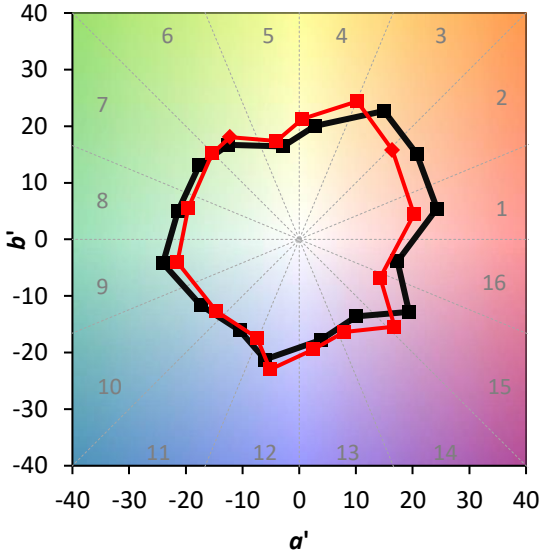
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

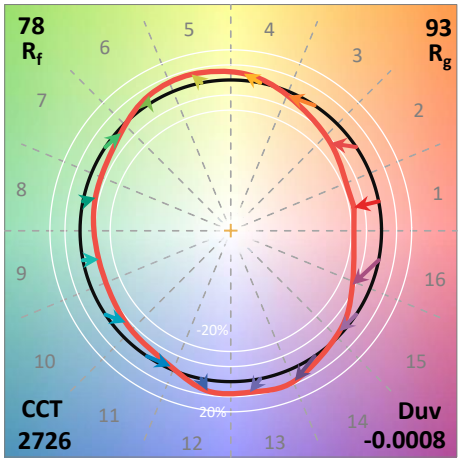
Spectral Power Distribution Comparison

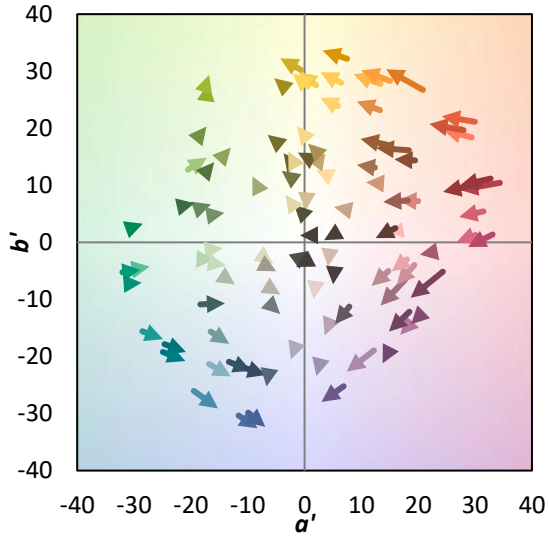


Color Vector Graphics







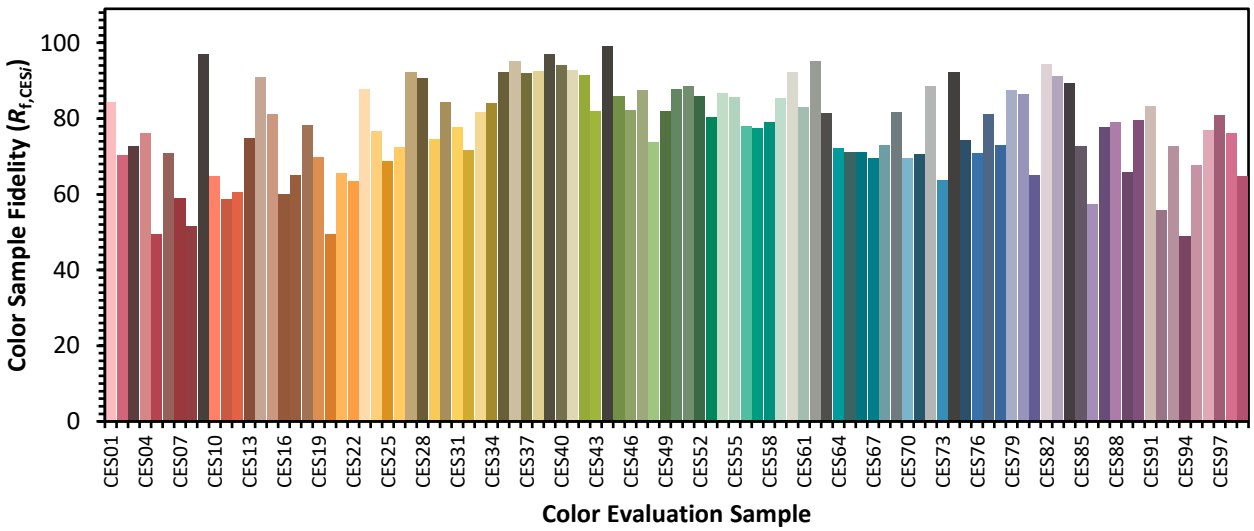


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

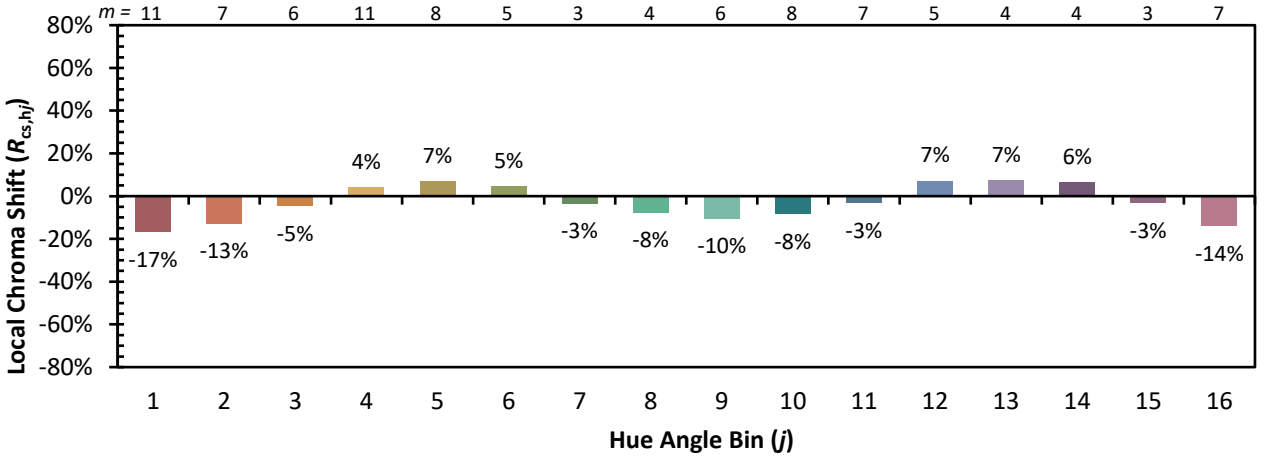
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

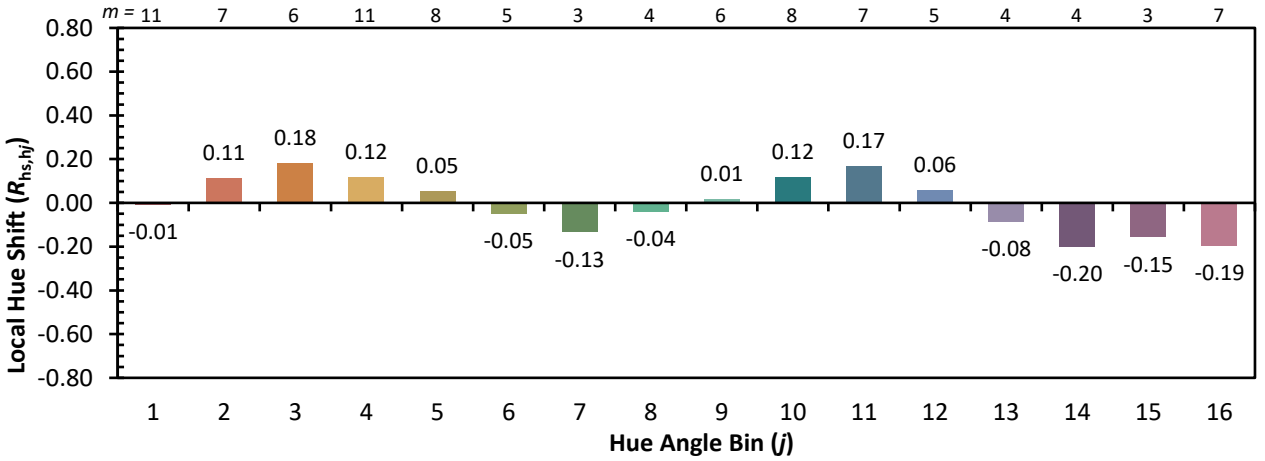


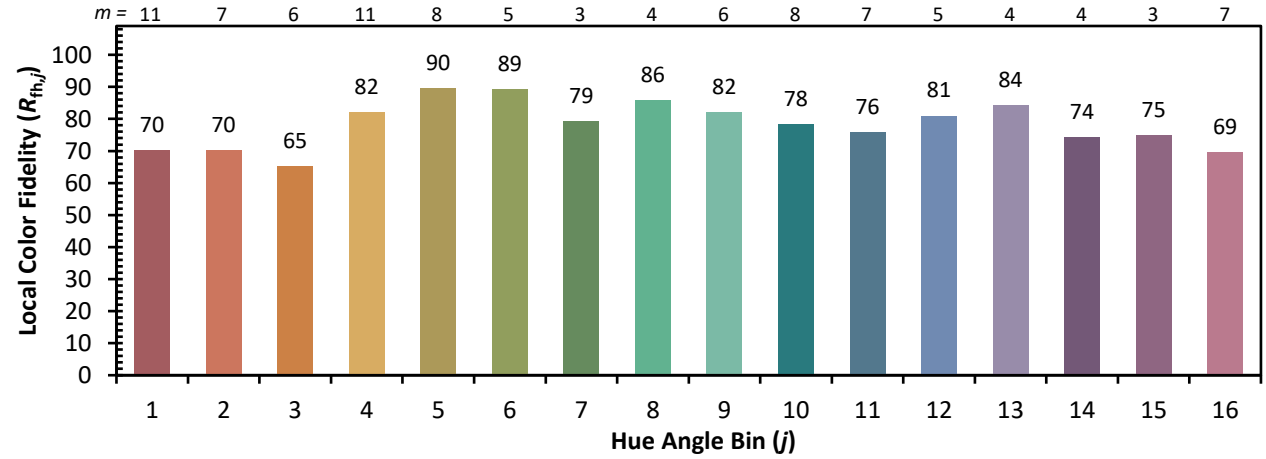
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Color Rendition by Hue-Angle Bin



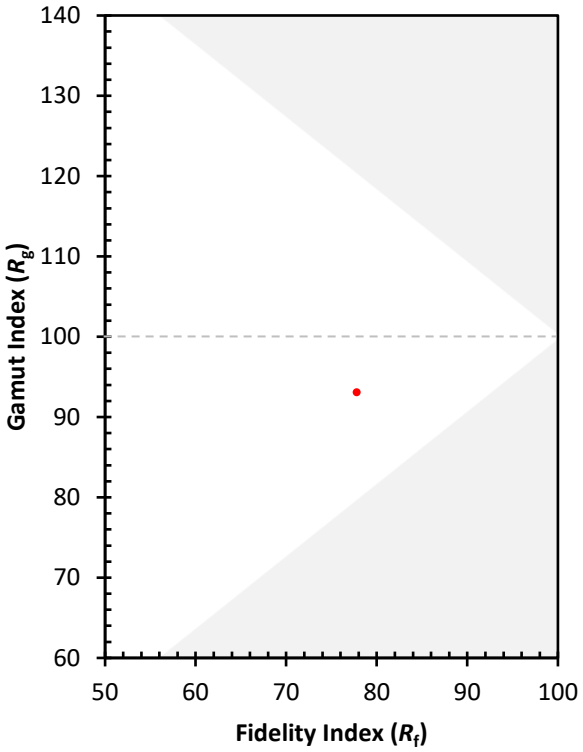


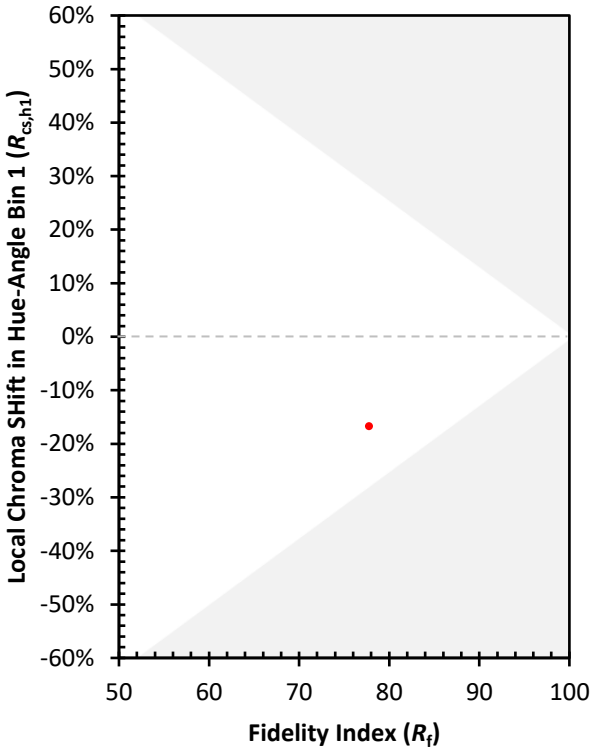


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Measure Comparisons





(END OF REPORT)