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: P1223990

Luminaire Tested: **FFX-CLB-60-730-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223990
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9083.8 lumens
Efficiency:	N/A
Efficacy:	149.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

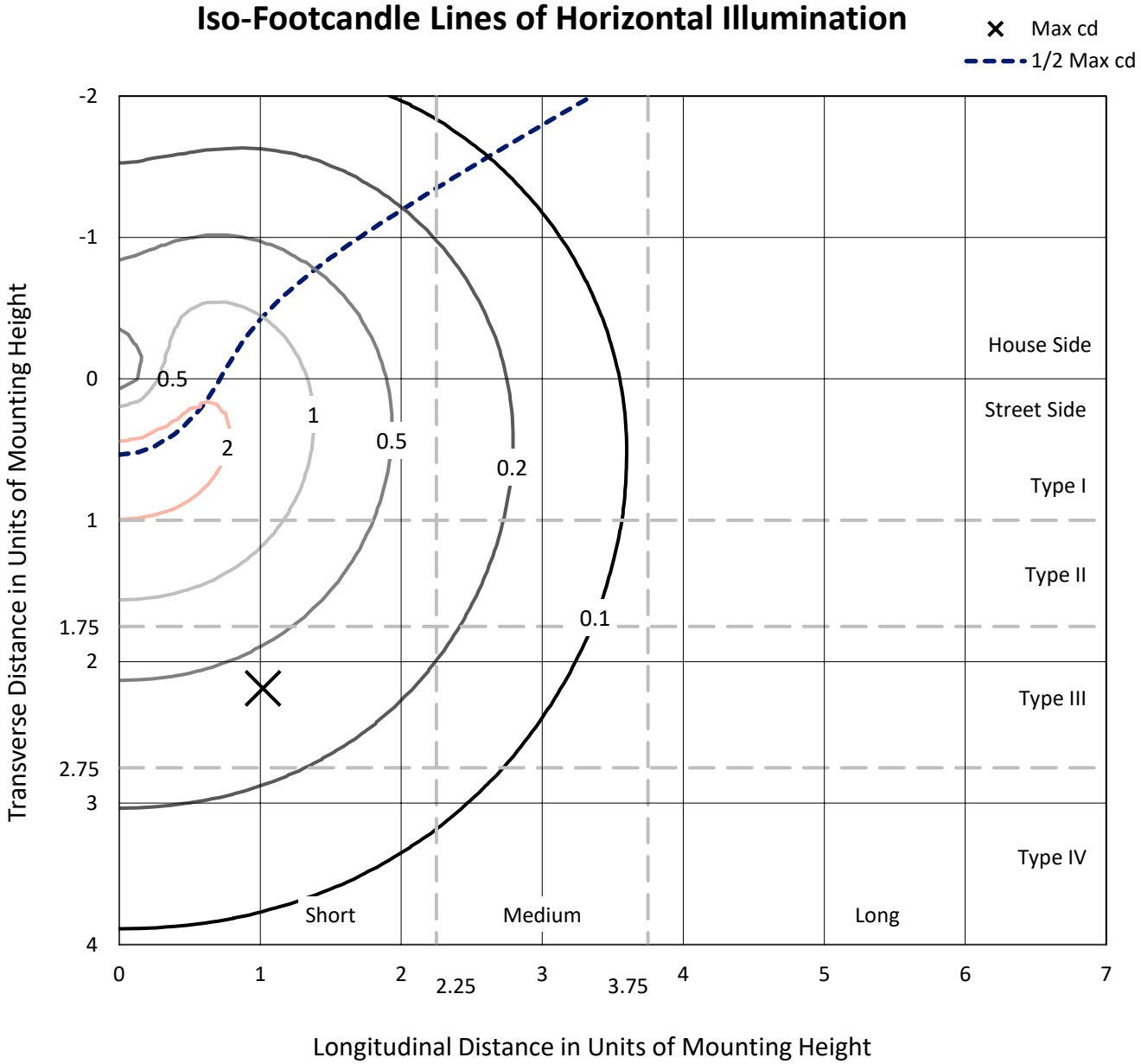


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Iso-Footcandle Lines of Horizontal Illumination



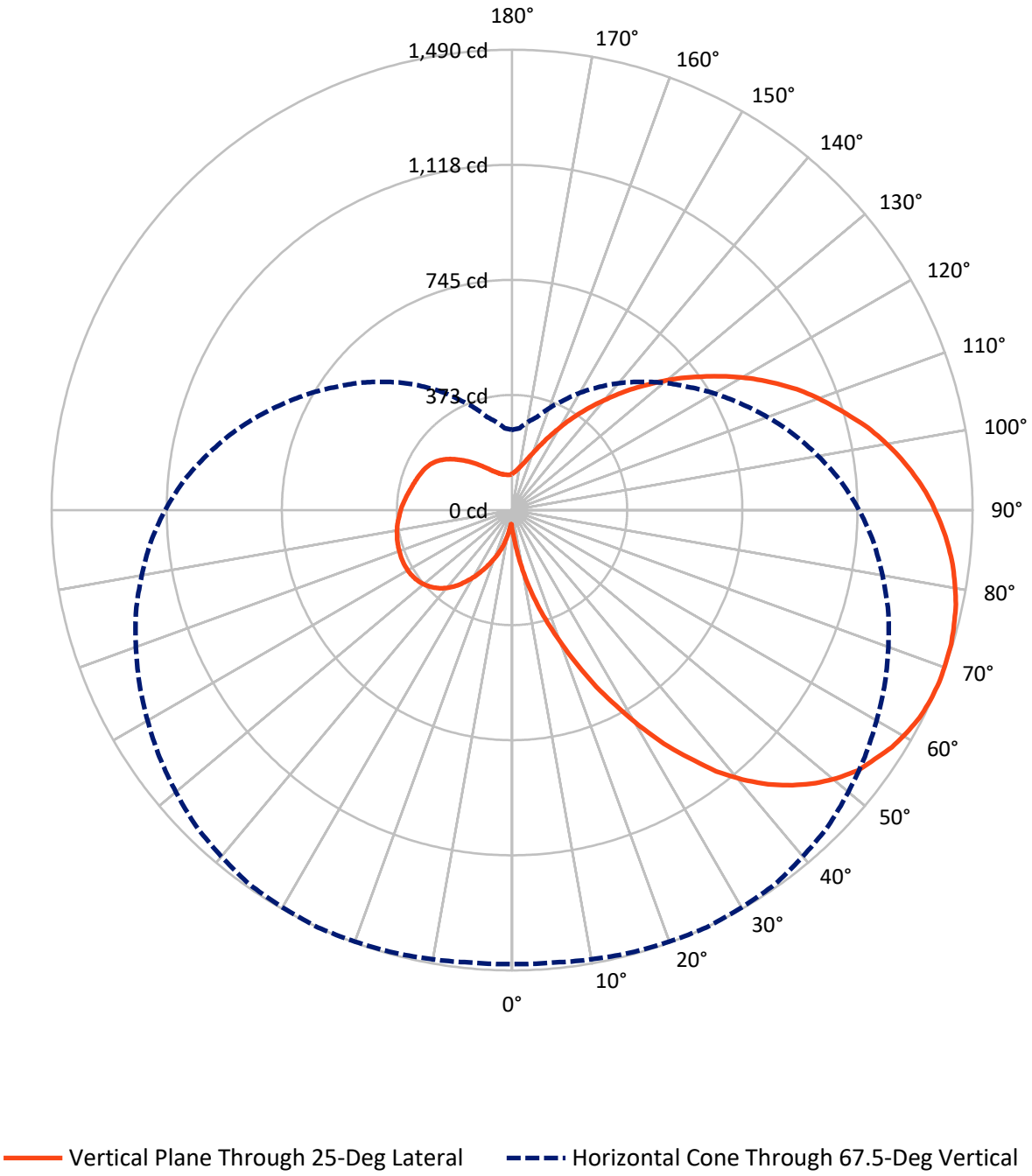
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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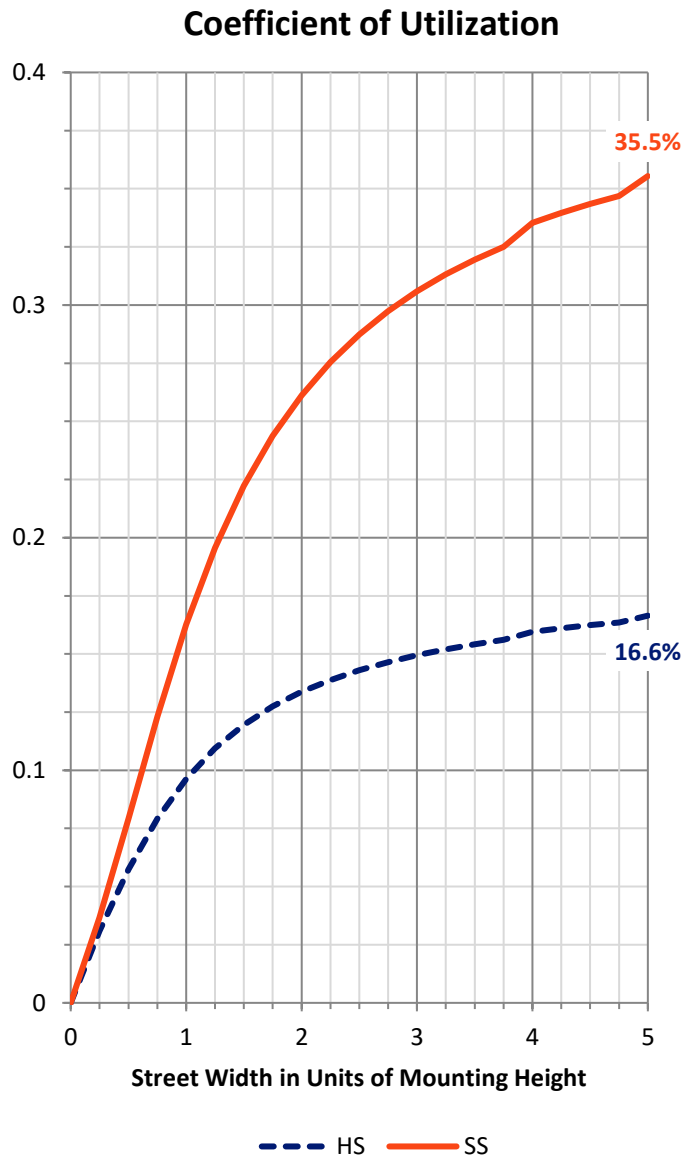
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1663.6	1271.6	2935.2
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	3675.9	2472.7	6148.6
	% Fixture	40.5	27.2	67.7
Total	Lumens	5339.5	3744.3	9083.8
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.1
10°-20°	69.1	0.8
20°-30°	206.9	2.3
30°-40°	425.9	4.7
40°-50°	664.9	7.3
50°-60°	861.2	9.5
60°-70°	993.0	10.9
70°-80°	1056.6	11.6
80°-90°	1052.0	11.6
90°-100°	981.4	10.8
100°-110°	857.8	9.4
110°-120°	702.5	7.7
120°-130°	522.4	5.8
130°-140°	339.8	3.7
140°-150°	192.5	2.1
150°-160°	94.9	1.0
160°-170°	41.4	0.5
170°-180°	11.6	0.1
0°-90°	5339.5	58.8
0°-180°	9083.8	100.0



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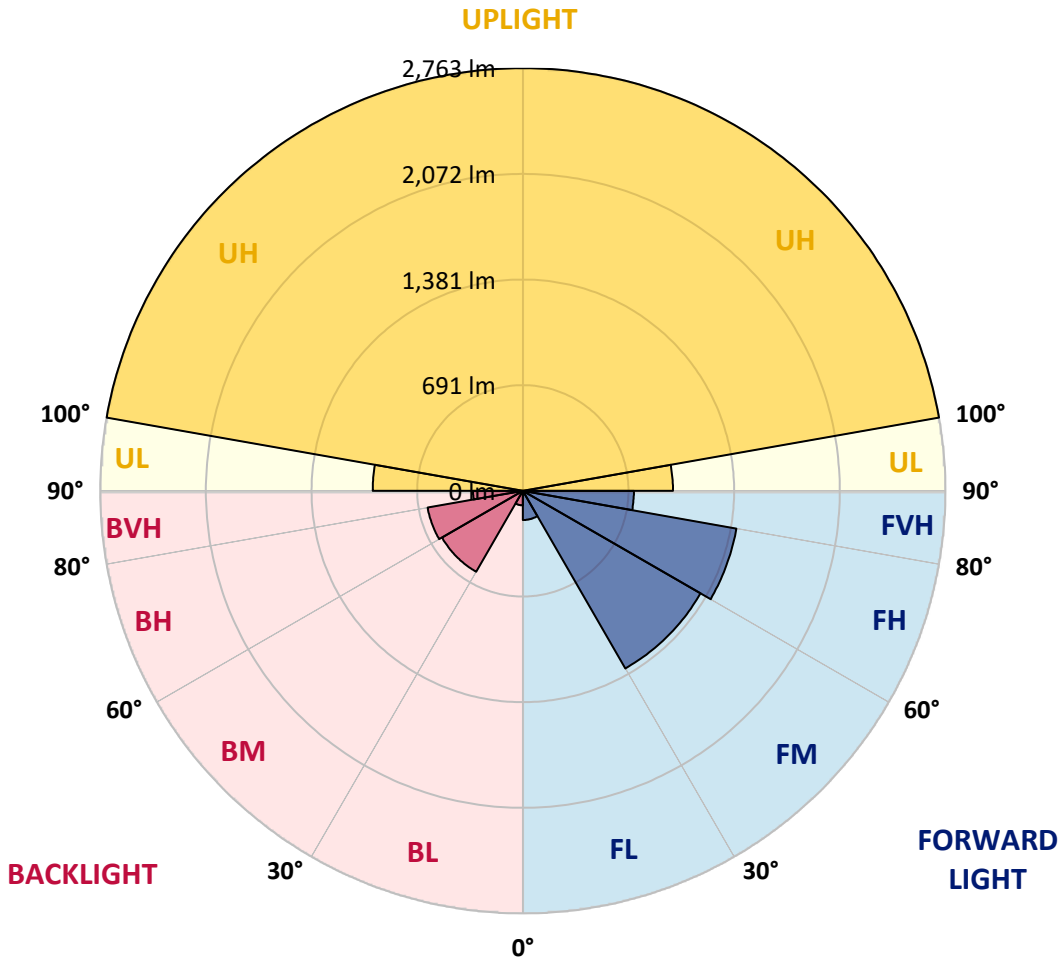
Scaled Data Report

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CATALOG NUMBER: FFX-CLB-60-730-U-VM8-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	190.8	2.1			
FM	(30°-60°)	1341.2	14.8			
FH	(60°-80°)	1417.7	15.6			G1/1800
FVH	(80°-90°)	726.1	8.0			G4/750
BL	(0°-30°)	95.1	1.0	B0/110		
BM	(30°-60°)	610.8	6.7	B1/1000		
BH	(60°-80°)	631.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	325.8	3.6			G3/500
UL	(90°-100°)	981.4	10.8		U4/1000	
UH	(100°-180°)	2763.0	30.4		U5	

BUG Rating: B2-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	78.4	78.4	79.0	79.0	77.8	78.4	77.3	75.5	74.4	71.5	70.3
5°	114.2	112.4	113.0	111.9	109.6	108.4	103.8	100.3	94.6	88.2	85.3
7.5°	158.6	159.2	156.8	154.0	153.4	147.0	145.9	134.9	130.3	119.4	116.5
10°	213.4	212.2	209.9	209.3	204.1	197.8	188.0	182.2	167.2	159.2	152.8
12.5°	273.3	273.9	269.9	265.8	261.2	252.6	239.3	230.1	218.0	201.2	193.2
15°	337.9	335.6	335.6	331.0	324.1	314.3	303.9	290.6	273.3	255.5	243.9
17.5°	397.9	402.5	400.8	395.0	388.7	376.5	365.6	347.1	328.1	308.5	294.1
20°	472.8	474.0	471.1	465.9	460.2	446.3	433.1	414.6	391.0	360.4	348.3
22.5°	548.4	550.7	550.7	547.8	539.7	527.6	506.3	486.1	456.7	426.1	406.0
25°	635.5	633.7	635.5	633.7	620.5	609.5	587.6	563.4	531.7	494.2	470.0
27.5°	723.1	725.4	720.8	716.8	711.6	694.3	670.6	640.1	600.3	561.1	535.1
30°	808.4	813.6	813.6	809.0	801.0	783.7	757.1	724.3	680.4	630.8	600.3
32.5°	897.8	899.6	901.9	901.3	892.1	875.3	845.9	801.5	752.5	697.7	667.7
35°	992.4	987.2	988.4	984.9	980.9	960.1	926.1	883.4	830.4	769.2	732.9
37.5°	1070.8	1068.5	1070.2	1073.1	1062.2	1040.8	1001.6	952.0	893.8	829.8	793.5
40°	1145.2	1143.5	1146.4	1146.9	1136.0	1111.2	1069.7	1021.8	958.9	885.1	851.1
42.5°	1207.5	1207.5	1210.4	1213.8	1202.3	1175.8	1133.7	1076.6	1012.0	937.6	896.1
45°	1265.1	1263.4	1269.2	1270.9	1259.4	1232.9	1185.6	1127.9	1058.7	983.2	939.9
47.5°	1311.3	1311.9	1317.6	1321.1	1310.7	1280.7	1232.9	1171.7	1099.6	1020.6	976.2
50°	1349.3	1354.5	1359.7	1363.7	1352.8	1322.8	1273.2	1206.9	1134.8	1055.2	1009.1
52.5°	1387.4	1387.4	1395.5	1400.7	1388.5	1357.4	1305.5	1240.9	1167.1	1082.9	1037.9
55°	1411.6	1412.2	1422.0	1423.7	1416.2	1383.9	1330.9	1266.3	1192.5	1107.7	1059.9
57.5°	1432.9	1433.5	1444.5	1448.5	1438.1	1407.0	1352.8	1285.9	1213.8	1127.3	1078.9
60°	1451.4	1450.8	1460.0	1465.8	1455.4	1422.6	1369.5	1304.4	1230.5	1145.2	1095.0
62.5°	1462.9	1462.9	1473.9	1479.7	1468.7	1436.4	1382.2	1317.6	1243.8	1157.3	1107.7
65°	1468.1	1469.3	1479.7	1486.6	1476.2	1443.3	1389.1	1325.7	1253.0	1167.1	1116.9
67.5°	1469.9	1470.4	1483.1	1490.0	1480.2	1446.8	1393.2	1330.9	1260.0	1173.5	1122.7
70°	1471.0	1471.6	1481.4	1488.3	1479.7	1446.2	1394.3	1333.2	1264.0	1176.9	1126.2
72.5°	1464.7	1466.4	1477.3	1485.4	1475.0	1442.2	1391.4	1333.2	1263.4	1179.2	1127.3
75°	1456.6	1460.6	1470.4	1477.3	1468.1	1436.4	1386.8	1330.9	1262.8	1178.1	1127.3
77.5°	1448.5	1449.1	1461.8	1468.1	1458.3	1426.0	1378.7	1325.1	1259.4	1174.6	1123.3
80°	1432.4	1435.8	1446.8	1452.6	1443.9	1413.3	1367.2	1317.0	1253.0	1168.8	1116.9
82.5°	1420.8	1419.7	1430.6	1435.8	1427.2	1395.5	1353.9	1304.4	1243.8	1159.0	1108.3
85°	1398.9	1401.2	1409.9	1414.5	1404.7	1375.9	1336.1	1291.7	1231.1	1148.1	1096.8
87.5°	1378.2	1379.3	1385.1	1390.3	1380.5	1352.8	1315.9	1273.8	1215.6	1134.2	1084.1
90°	1352.2	1352.8	1359.1	1363.2	1354.5	1328.6	1294.6	1253.6	1198.8	1118.7	1068.5
92.5°	1328.0	1326.8	1331.5	1333.2	1325.7	1300.3	1269.8	1231.7	1178.6	1099.6	1051.2
95°	1296.3	1295.7	1299.7	1298.6	1290.5	1268.6	1240.9	1207.5	1155.0	1079.5	1031.6
97.5°	1261.1	1261.7	1264.0	1262.8	1254.2	1234.0	1212.7	1179.2	1130.8	1055.8	1009.7
100°	1221.9	1223.6	1227.1	1223.6	1216.1	1201.1	1178.6	1151.0	1103.1	1032.2	986.6
102.5°	1189.0	1184.4	1183.3	1182.7	1175.2	1161.9	1144.6	1120.4	1076.0	1006.2	962.4
105°	1145.8	1142.9	1142.3	1136.0	1133.1	1122.1	1107.7	1085.8	1046.0	980.3	937.6
107.5°	1100.2	1100.8	1098.5	1091.0	1087.0	1079.5	1071.4	1051.8	1013.7	951.5	912.2
110°	1059.3	1056.4	1050.1	1046.6	1043.7	1037.4	1032.2	1017.2	982.0	923.8	884.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1008.5	1010.3	1002.8	*1000.5*	995.9	995.3	991.8	979.7	948.6	894.4	857.5
115°	963.0	961.8	954.3	*949.7*	948.0	949.1	951.5	942.8	914.0	862.7	828.6
117.5°	912.8	909.4	904.2	*899.6*	897.2	901.9	907.1	903.0	878.8	830.4	798.1
120°	859.2	859.8	852.3	*847.7*	848.2	855.7	862.7	860.3	837.3	794.0	765.2
122.5°	809.0	806.1	799.8	*795.2*	799.2	807.3	815.4	814.8	794.6	752.5	726.6
125°	754.2	753.7	747.3	*742.7*	746.2	755.4	765.2	766.4	747.3	712.1	686.2
127.5°	702.3	700.6	699.5	*694.3*	696.6	709.3	716.2	715.6	698.9	666.6	644.1
130°	652.8	652.2	645.3	*643.0*	645.8	656.2	663.1	662.0	648.7	620.5	600.3
132.5°	602.6	600.3	597.4	*593.9*	596.2	604.9	614.1	613.0	597.4	570.3	554.1
135°	553.0	551.3	549.0	*546.7*	548.4	557.0	565.1	562.8	549.5	525.3	509.2
137.5°	507.4	505.7	502.8	*499.9*	502.3	509.2	514.4	512.6	501.7	478.6	463.0
140°	460.2	461.3	457.9	*455.5*	456.7	463.6	467.7	465.3	453.2	434.2	421.5
142.5°	416.9	416.9	415.2	*414.6*	416.3	419.8	423.3	418.6	410.6	391.0	380.6
145°	375.4	376.0	375.4	*374.2*	374.8	378.9	379.4	377.7	368.5	354.1	342.5
147.5°	336.2	337.9	336.8	*336.8*	337.3	339.1	341.4	337.3	329.3	316.6	308.5
150°	299.9	301.0	301.0	*299.9*	299.9	302.2	302.2	299.3	292.9	282.6	275.1
152.5°	268.1	268.7	268.7	*267.6*	268.1	268.7	267.6	264.1	258.9	250.8	245.1
155°	239.3	240.5	238.7	*239.3*	237.6	238.2	237.6	235.3	229.5	222.6	219.1
157.5°	213.4	215.1	213.9	*213.9*	212.8	212.2	211.6	209.3	205.3	199.5	195.5
160°	192.6	193.8	192.0	*192.0*	190.9	190.9	188.6	187.4	183.4	178.2	175.9
162.5°	174.7	174.7	174.1	*174.7*	174.1	172.4	171.3	169.0	165.5	161.5	159.7
165°	160.3	159.7	159.7	*159.2*	158.6	157.4	155.7	154.5	151.1	147.6	146.5
167.5°	149.3	148.8	148.2	*147.6*	146.5	145.9	144.2	143.0	140.1	137.2	136.1
170°	140.1	140.1	139.0	*138.4*	137.8	136.7	134.9	133.2	130.9	129.2	128.0
172.5°	132.1	132.1	131.5	*130.9*	130.3	129.2	127.4	126.3	124.6	122.8	121.7
175°	126.3	126.3	125.7	*124.6*	124.0	122.8	121.7	120.5	118.8	117.6	117.1
177.5°	121.7	121.7	121.7	*120.5*	119.9	118.8	117.6	116.5	115.9	114.8	114.8
180°	115.9	115.9	115.9	*115.9*	115.9	115.9	115.9	115.9	115.9	115.9	115.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	68.6	65.2	62.3	57.7	53.6	50.2	47.9	46.1	45.0	43.8
5°	81.9	75.5	69.2	62.3	55.9	50.2	45.6	42.1	40.4	40.4
7.5°	111.9	102.1	91.1	81.3	73.8	66.3	59.4	55.4	53.1	51.9
10°	146.5	132.1	121.1	109.0	95.7	86.5	78.4	73.2	70.3	70.9
12.5°	188.0	170.1	156.3	138.4	124.0	109.6	100.9	93.4	90.0	89.4
15°	234.1	213.4	193.2	171.8	152.8	136.1	123.4	113.6	107.8	107.3
17.5°	282.6	256.6	229.5	205.3	180.5	159.7	142.4	130.9	124.6	124.6
20°	331.6	302.2	270.4	238.7	208.7	183.4	163.2	148.2	140.1	139.0
22.5°	388.1	350.6	312.5	273.9	239.9	208.2	182.2	164.3	155.7	154.0
25°	449.8	405.4	359.8	314.3	272.2	234.1	204.1	183.9	171.8	170.1
27.5°	513.8	460.2	406.5	353.5	304.5	262.4	226.0	200.1	188.0	186.3
30°	576.6	517.8	455.5	393.3	337.9	289.5	248.0	218.0	203.0	200.7
32.5°	638.3	571.4	502.8	433.6	373.1	316.6	268.1	235.8	217.4	215.1
35°	697.2	628.0	547.8	473.4	404.2	343.7	289.5	252.0	231.2	228.9
37.5°	754.8	676.4	592.2	510.3	435.4	366.7	309.1	267.0	243.9	241.6
40°	809.6	722.5	630.8	544.3	462.5	389.8	325.8	280.2	254.3	251.4
42.5°	851.7	762.3	666.6	573.2	486.1	407.1	340.8	290.6	262.4	258.3
45°	893.8	798.1	697.2	598.6	506.9	423.8	352.9	299.9	269.9	265.3
47.5°	928.4	828.6	722.0	619.3	524.2	438.2	363.3	306.2	274.5	269.9
50°	961.3	855.7	745.0	638.3	539.7	450.9	371.9	311.4	277.4	272.7
52.5°	986.6	878.2	763.5	653.3	552.4	460.2	378.9	314.8	279.1	273.9
55°	1008.0	896.7	778.5	664.9	562.2	468.2	384.0	316.6	279.1	273.9
57.5°	1025.8	911.1	790.6	675.2	569.7	473.4	387.5	317.2	277.4	272.2
60°	1041.4	924.4	800.4	683.3	576.6	478.6	389.8	317.2	275.6	269.9
62.5°	1054.1	933.6	807.9	689.7	581.8	482.6	391.0	316.0	272.2	266.4
65°	1061.6	939.9	812.5	693.1	584.7	483.8	391.0	314.3	268.7	262.9
67.5°	*1067.9*	*944.0*	*815.4*	*694.8*	*586.4*	*485.0*	*390.4*	*311.4*	*265.3*	*259.5*
70°	1070.8	945.7	816.5	696.0	587.6	484.4	388.7	309.1	261.8	254.9
72.5°	1071.4	946.3	815.9	696.0	587.6	484.4	386.9	305.6	257.8	251.4
75°	1070.2	944.5	814.2	695.4	587.0	482.6	385.2	302.7	254.3	247.4
77.5°	1066.8	941.1	811.3	693.1	584.1	480.9	381.7	299.3	250.3	243.9
80°	1061.0	935.3	806.7	689.1	580.7	477.5	378.9	295.8	246.8	240.5
82.5°	1052.4	927.8	801.0	683.9	577.2	473.4	375.4	292.4	243.3	237.0
85°	1042.0	918.6	792.3	677.5	572.0	468.8	370.8	288.3	239.9	233.5
87.5°	1027.6	907.1	783.1	670.1	565.1	463.0	365.6	284.9	237.0	230.7
90°	1013.7	894.4	773.3	662.0	558.8	457.9	361.0	280.8	234.7	228.3
92.5°	997.6	879.4	761.2	652.8	550.1	450.9	356.4	277.4	232.4	226.6
95°	979.1	863.2	748.5	641.8	542.0	444.0	350.6	273.9	230.1	224.9
97.5°	958.4	845.9	734.6	630.3	532.2	436.5	345.4	271.0	228.9	223.2
100°	937.0	826.3	719.6	618.7	522.4	428.4	340.2	268.1	228.3	223.2
102.5°	912.8	808.4	704.7	607.2	512.6	420.9	335.0	266.4	228.3	223.2
105°	889.8	787.7	688.5	594.5	502.8	413.4	330.4	265.3	228.9	224.3
107.5°	865.0	768.1	672.4	581.3	491.9	406.0	326.4	264.1	230.1	225.5
110°	841.9	749.1	657.4	568.6	482.1	399.0	322.3	263.5	231.2	227.2

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

Scaled Data Report

REPORT NUMBER: P1223990
CATALOG NUMBER: FFX-CLB-60-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	816.5	728.3	640.6	554.7	471.7	391.0	318.3	262.4	232.4	228.9
115°	790.0	706.4	623.9	540.9	459.6	383.5	314.3	261.8	233.5	230.1
117.5°	761.2	682.7	603.7	524.7	446.9	374.2	308.5	259.5	233.5	230.1
120°	730.0	657.9	581.8	507.4	432.5	363.3	302.7	256.6	232.4	229.5
122.5°	696.0	628.5	556.5	485.5	416.3	350.6	294.1	251.4	229.5	226.6
125°	658.5	595.7	530.5	461.9	396.2	336.2	283.7	245.6	224.9	222.6
127.5°	619.3	561.6	499.4	437.1	377.1	320.6	272.7	237.0	218.5	216.2
130°	575.5	523.6	467.1	409.4	354.6	302.7	259.5	227.2	210.5	208.2
132.5°	533.4	486.1	435.4	384.0	331.0	285.4	245.1	216.2	201.8	199.5
135°	489.6	448.0	402.5	354.1	309.1	266.4	230.7	205.3	192.0	190.3
137.5°	446.9	411.7	369.0	326.4	286.6	248.0	216.8	194.9	182.8	181.6
140°	407.1	374.2	338.5	301.0	264.1	230.7	203.6	183.4	173.6	171.8
142.5°	368.5	340.2	307.9	276.2	242.2	213.9	190.3	172.4	164.3	163.2
145°	332.1	308.5	280.2	251.4	222.6	197.8	177.6	162.6	155.7	155.1
147.5°	298.1	278.5	253.7	229.5	205.3	184.5	166.1	154.5	148.2	147.6
150°	267.0	249.1	229.5	208.7	188.6	170.1	156.3	145.9	140.7	140.1
152.5°	237.6	223.7	207.6	190.9	173.6	159.2	146.5	139.0	134.9	134.4
155°	212.2	201.2	188.0	173.6	160.3	148.8	139.0	133.2	129.7	129.7
157.5°	190.9	181.6	171.8	160.3	149.3	140.1	133.2	128.0	125.1	125.1
160°	172.4	164.3	156.8	148.2	140.7	133.2	128.0	124.0	121.7	121.7
162.5°	156.8	151.1	145.3	139.0	132.6	128.0	123.4	120.5	119.4	118.8
165°	144.2	140.7	136.1	131.5	127.4	123.4	120.5	118.8	117.6	117.6
167.5°	134.4	132.1	128.6	125.7	122.8	119.9	118.2	117.1	116.5	116.5
170°	126.9	125.1	122.8	121.1	119.4	117.6	116.5	115.9	115.3	115.3
172.5°	121.1	119.4	118.2	117.6	116.5	115.9	115.3	114.8	114.8	114.8
175°	117.1	115.9	115.9	115.3	114.8	114.8	114.2	114.2	114.2	114.8
177.5°	114.2	114.2	114.2	114.2	114.2	114.8	114.8	114.8	115.3	115.3
180°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9

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: SP1-2501-332-4

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

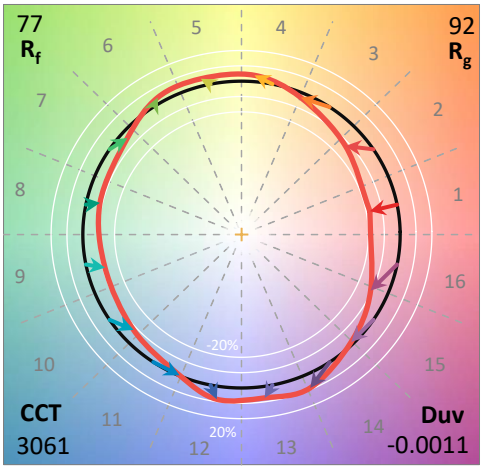
Test Information

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

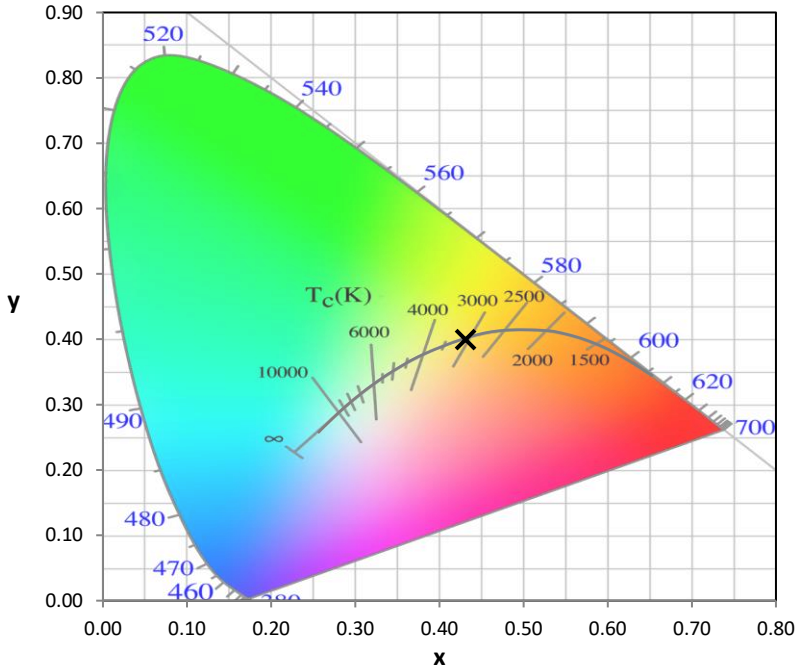
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

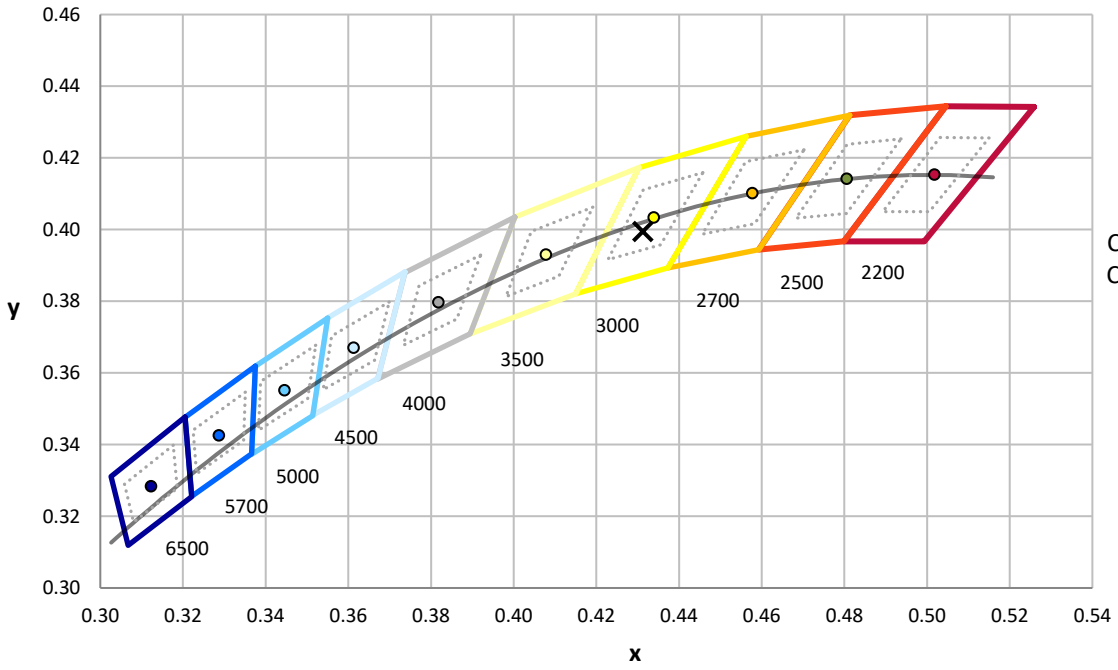
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

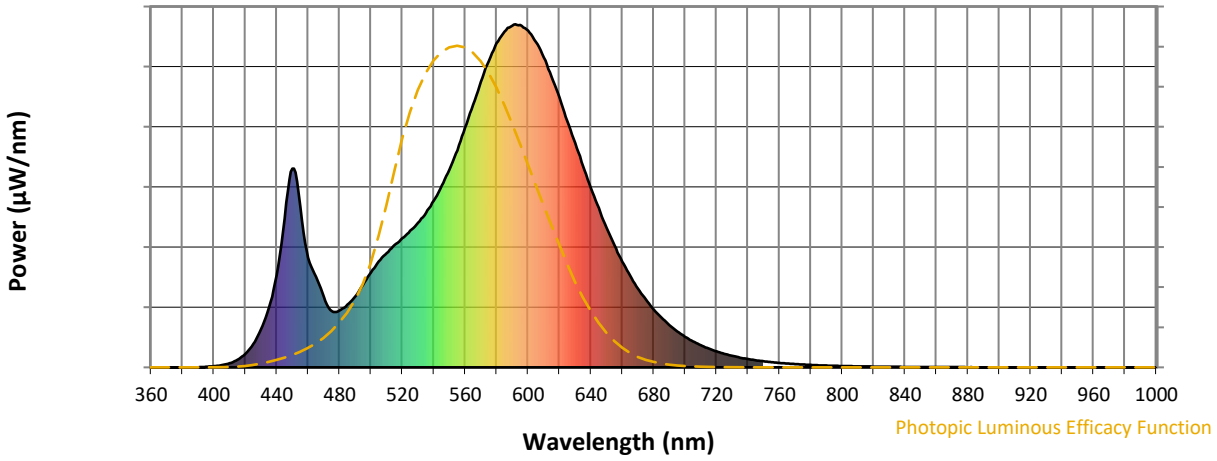


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

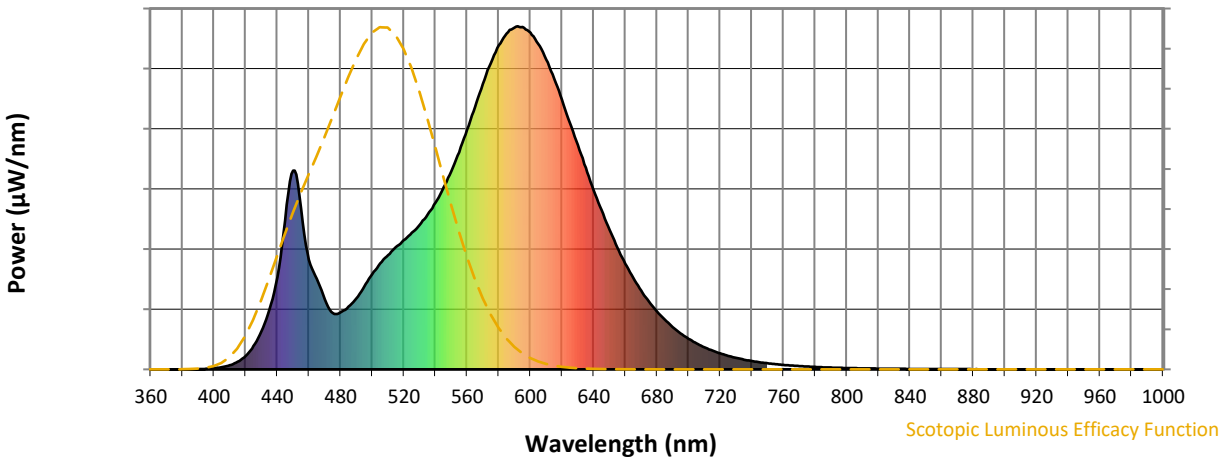


Photopic Lumens: NR

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

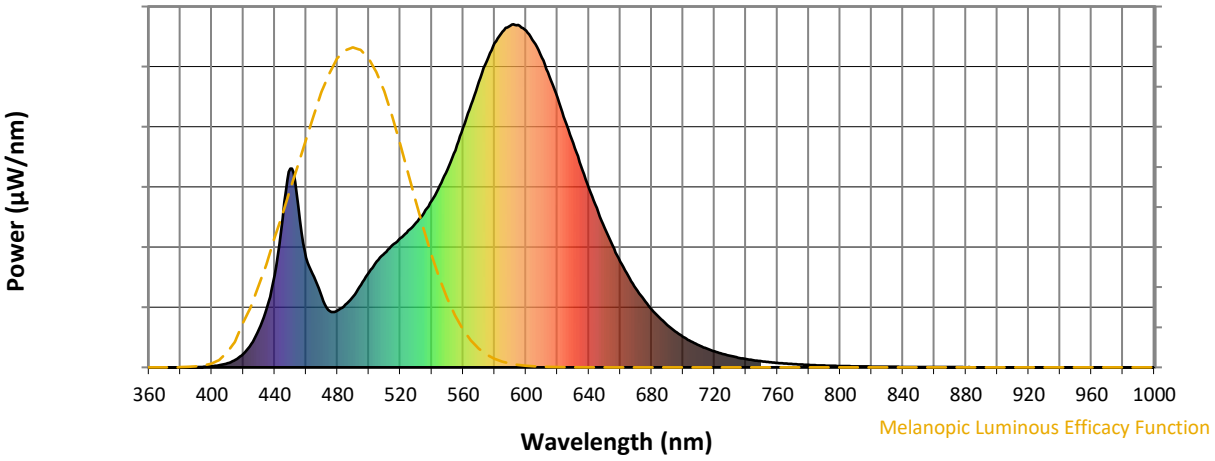


Scotopic Lumens: NR **S/P: 1.29**

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			

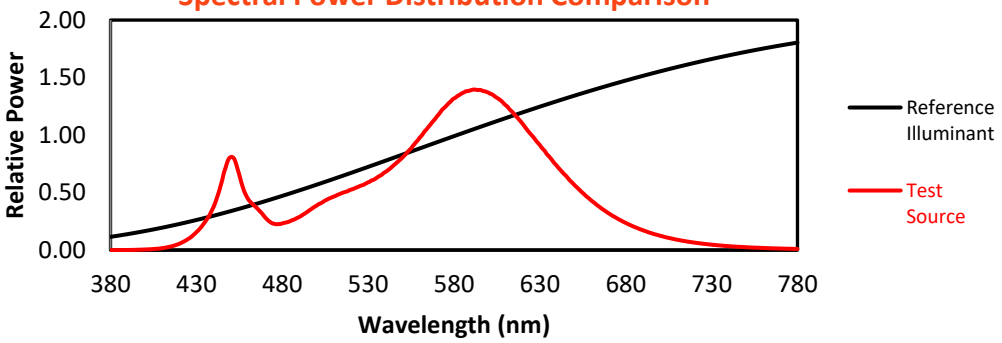
REPORT NUMBER: SP1-2501-332-4

TM-30-18

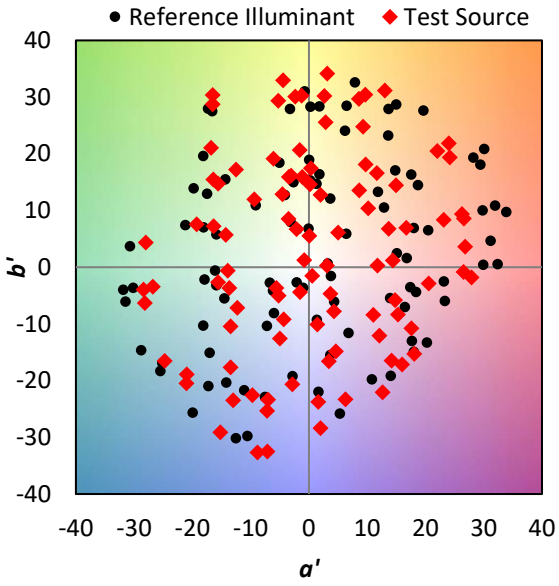
Summary

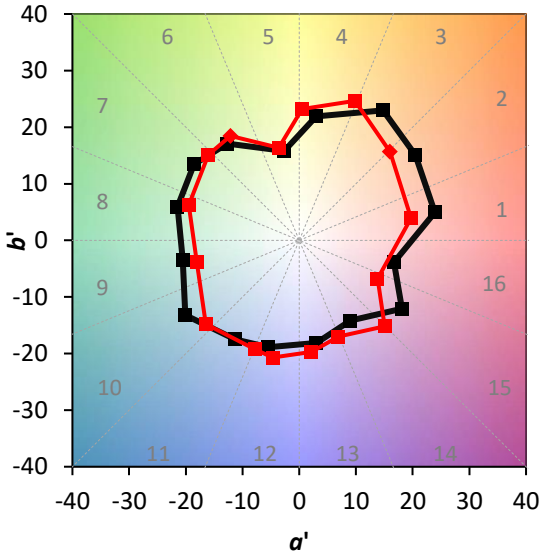
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

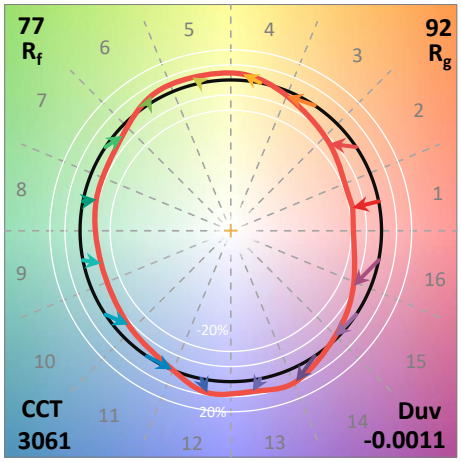
Spectral Power Distribution Comparison

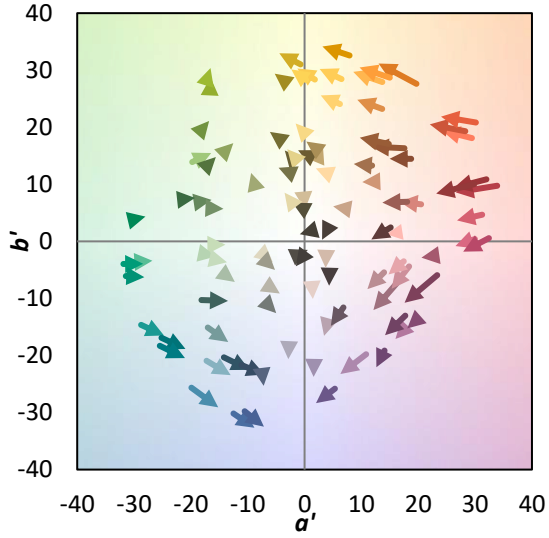


Color Vector Graphics







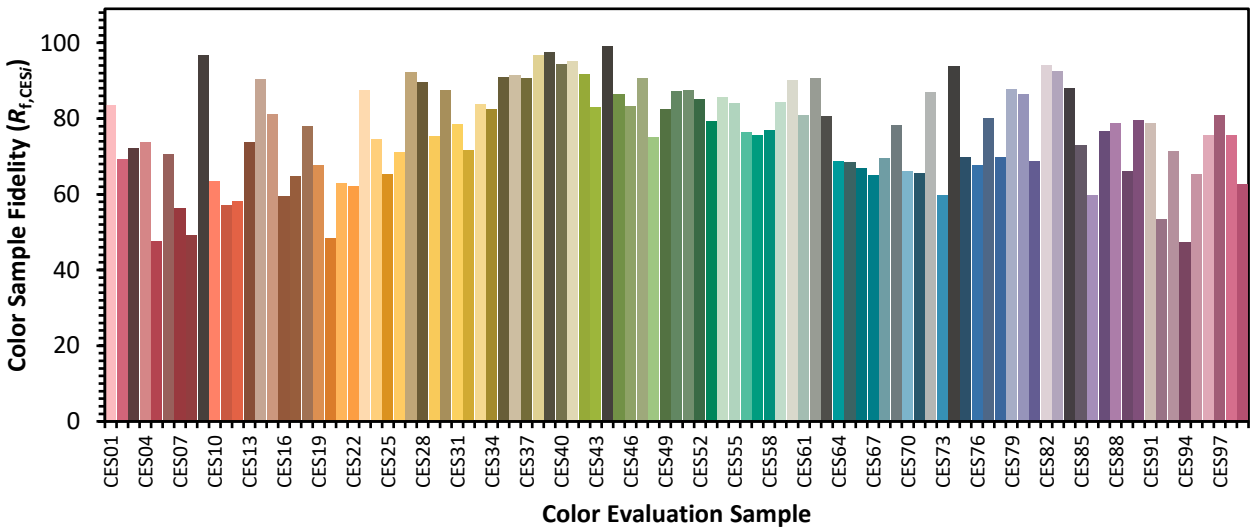


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

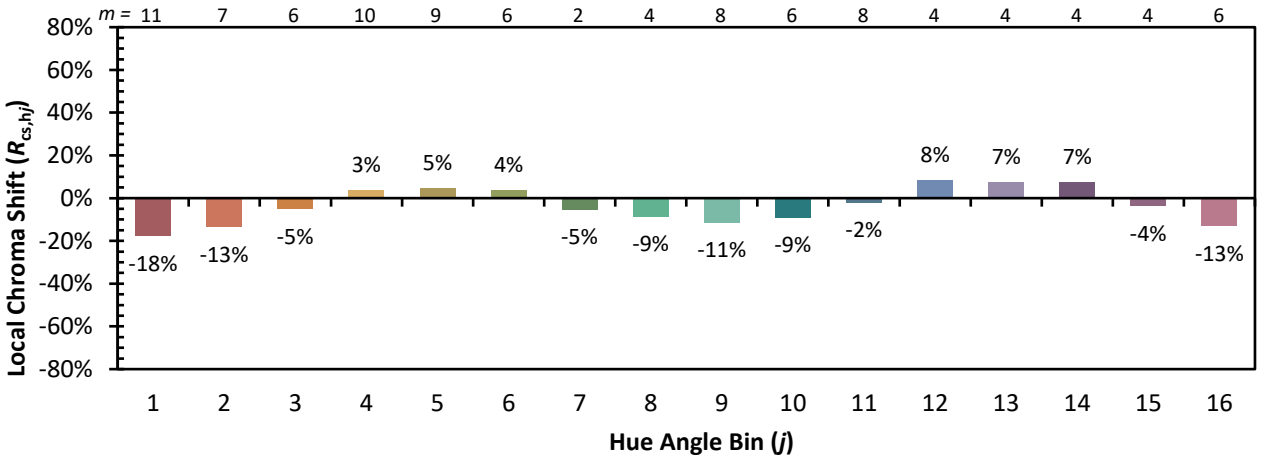
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 87	CES75 = 70	

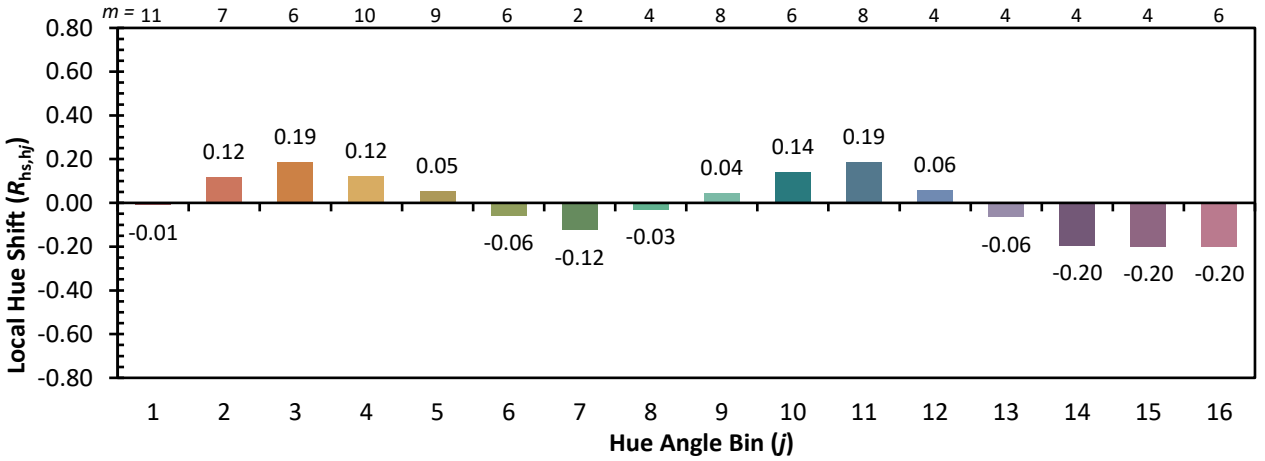


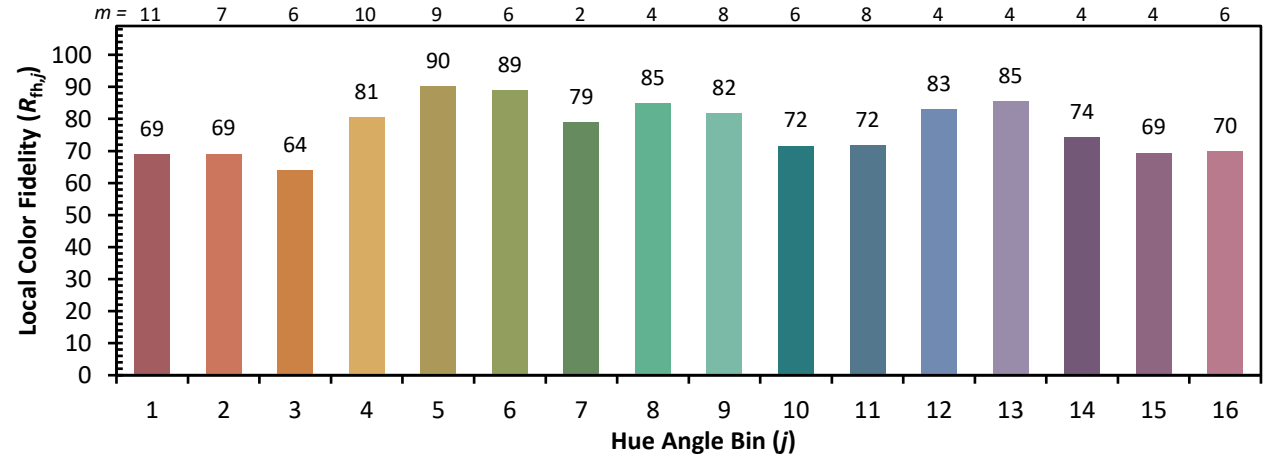
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Color Rendition by Hue-Angle Bin



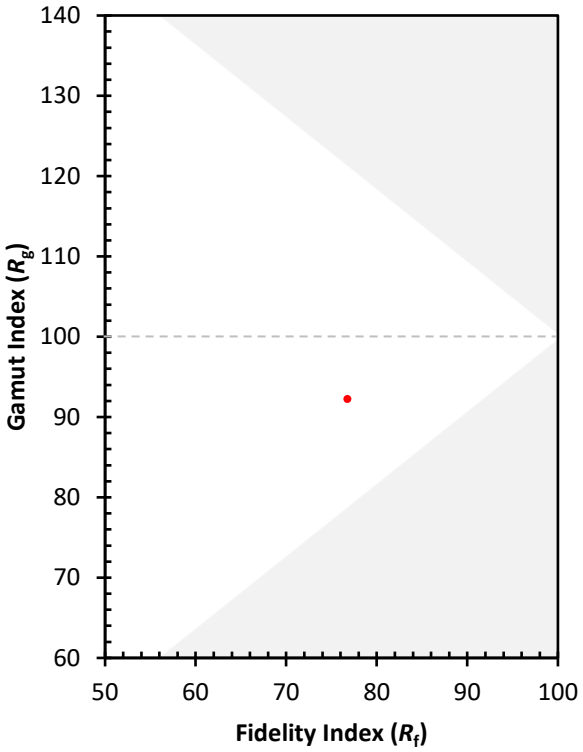


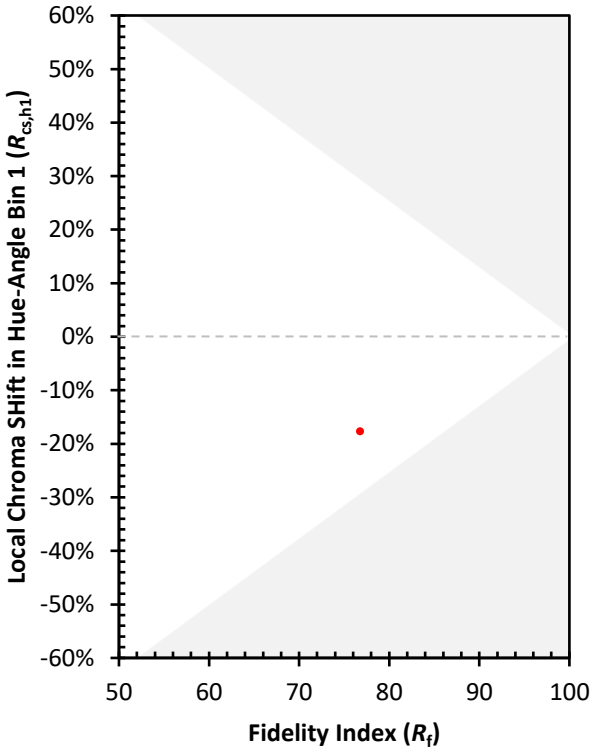


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Measure Comparisons





(END OF REPORT)