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: P1223999

Luminaire Tested: **FFX-CLB-60-740-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:	P1223999
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-740-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9561.9 lumens
Efficiency:	N/A
Efficacy:	157.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G5

Input Watts (W):	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

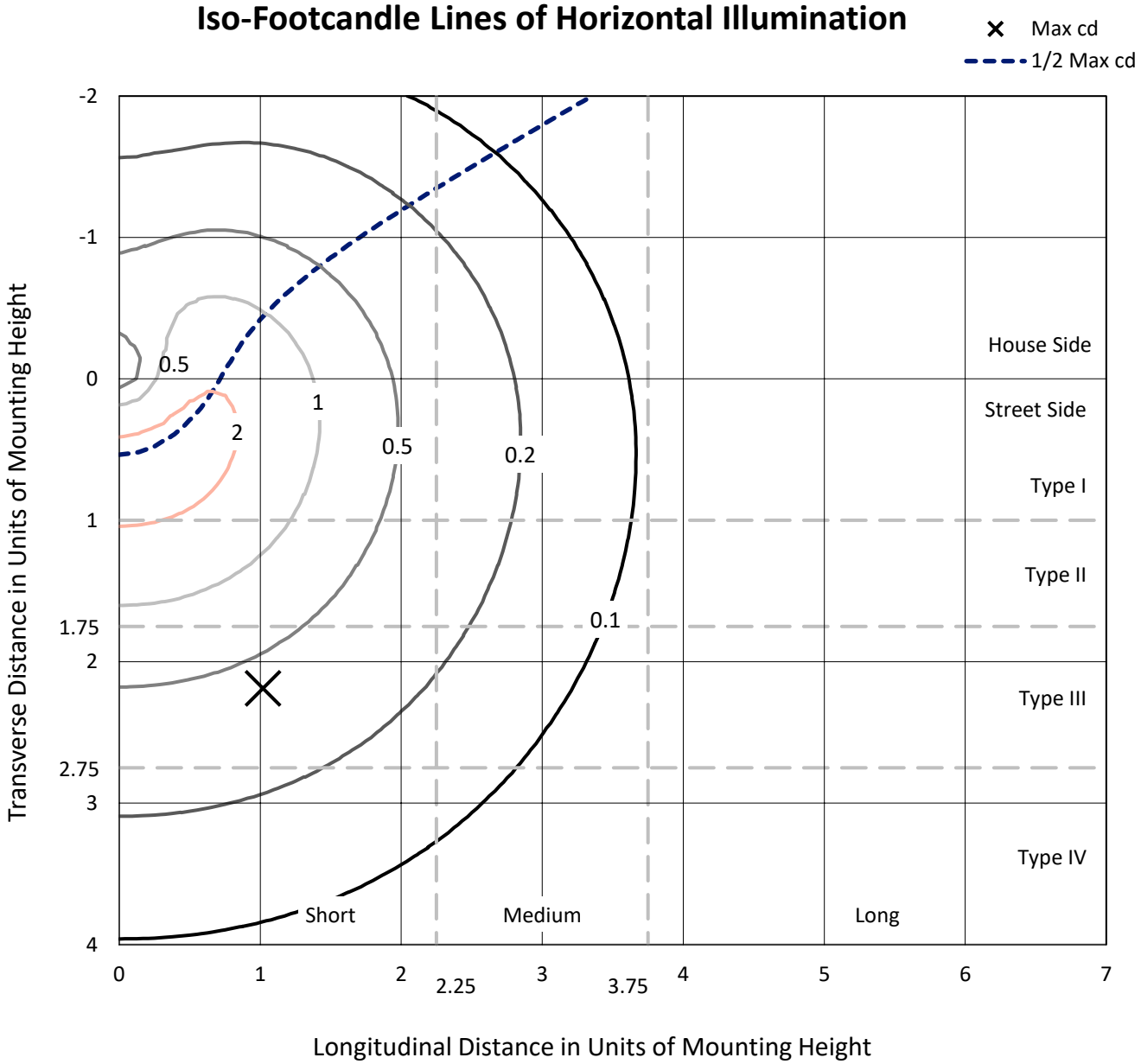


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Iso-Footcandle Lines of Horizontal Illumination



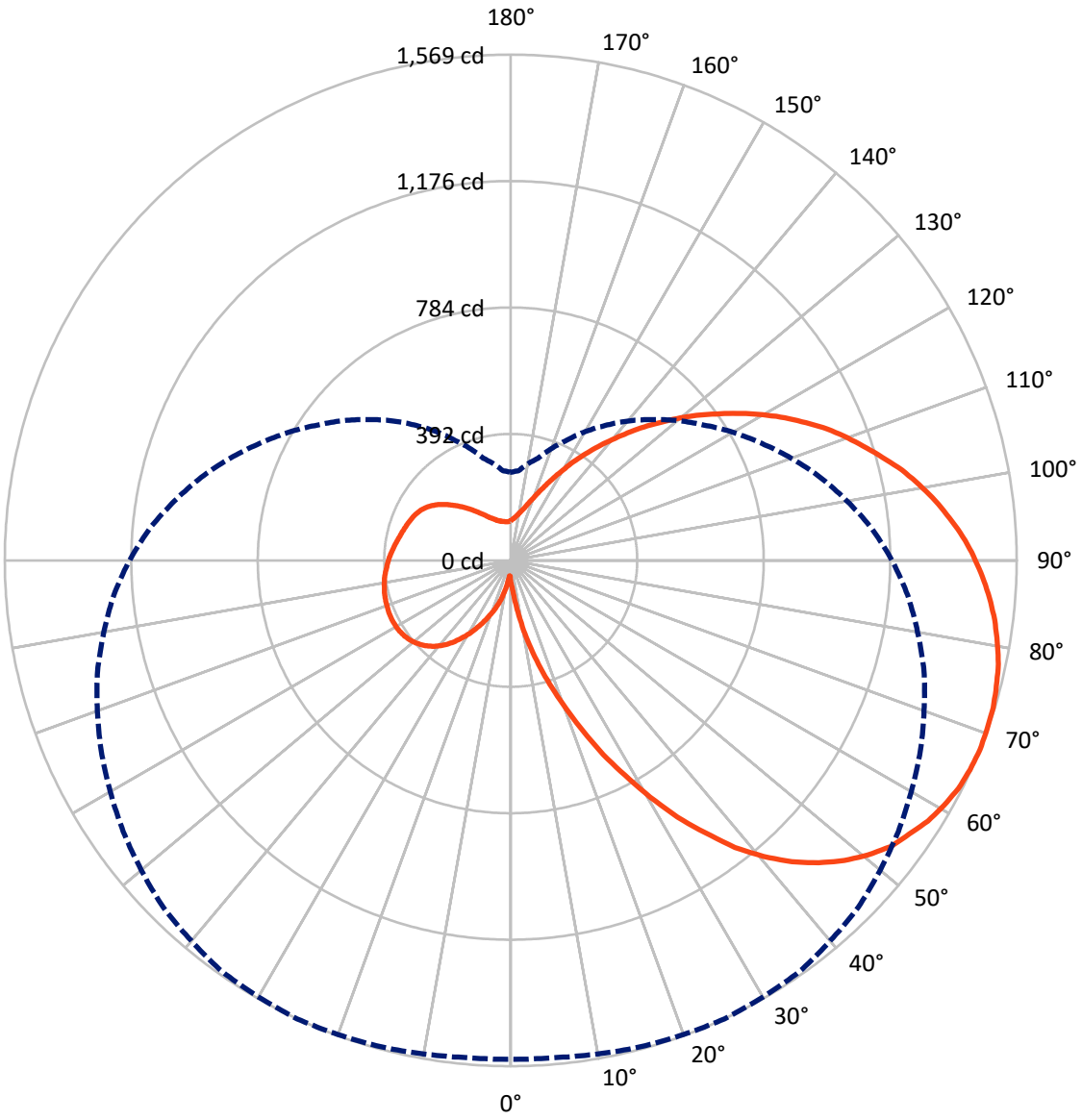
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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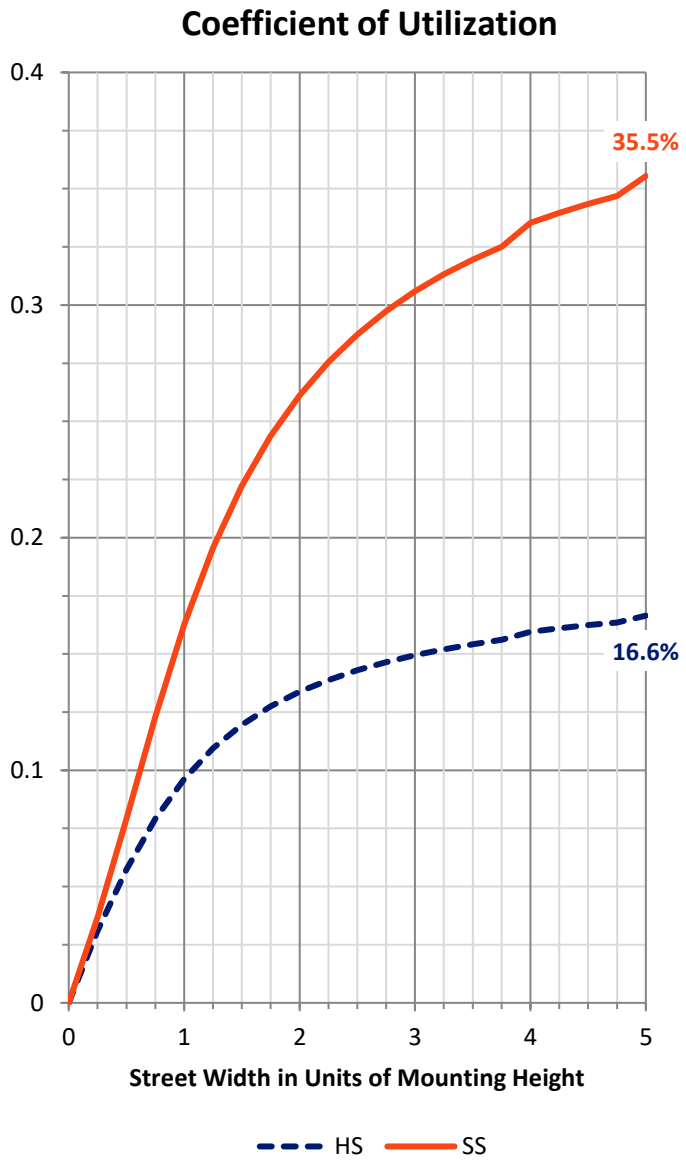
REPORT NUMBER: P1223999
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.1	1338.5	3089.7
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	3869.4	2602.9	6472.2
	% Fixture	40.5	27.2	67.7
Total	Lumens	5620.5	3941.4	9561.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	72.7	0.8
20°-30°	217.8	2.3
30°-40°	448.3	4.7
40°-50°	699.9	7.3
50°-60°	906.5	9.5
60°-70°	1045.3	10.9
70°-80°	1112.2	11.6
80°-90°	1107.3	11.6
90°-100°	1033.0	10.8
100°-110°	903.0	9.4
110°-120°	739.5	7.7
120°-130°	549.9	5.8
130°-140°	357.7	3.7
140°-150°	202.6	2.1
150°-160°	99.9	1.0
160°-170°	43.6	0.5
170°-180°	12.2	0.1
0°-90°	5620.5	58.8
0°-180°	9561.9	100.0



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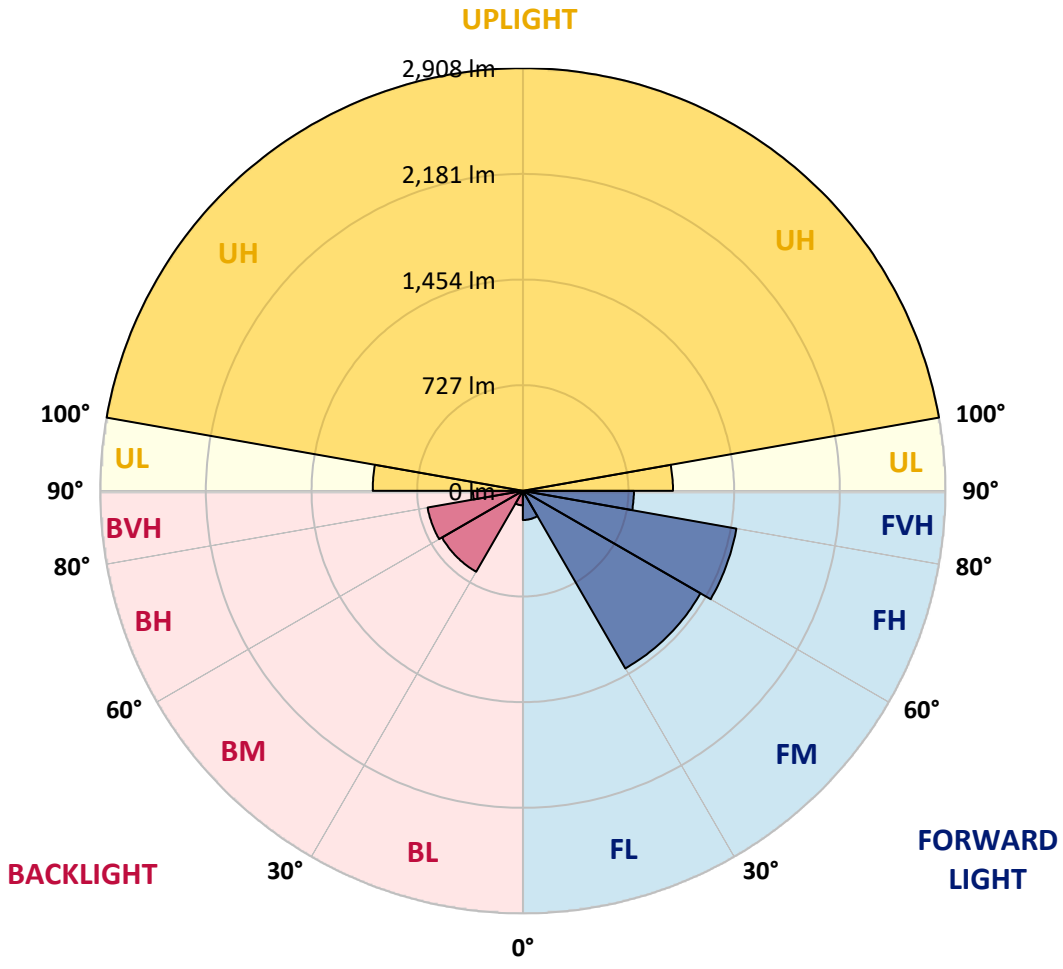
Scaled Data Report

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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°)	200.9	2.1			
FM	(30°-60°)	1411.8	14.8			
FH	(60°-80°)	1492.3	15.6			G1/1800
FVH	(80°-90°)	764.3	8.0			G5
BL	(0°-30°)	100.1	1.0	B0/110		
BM	(30°-60°)	642.9	6.7	B1/1000		
BH	(60°-80°)	665.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	343.0	3.6			G3/500
UL	(90°-100°)	1033.0	10.8		U5	
UH	(100°-180°)	2908.4	30.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	82.6	82.6	83.2	83.2	81.9	82.6	81.3	79.5	78.3	75.3	74.1
5°	120.2	118.4	119.0	117.8	115.3	114.1	109.3	105.6	99.5	92.9	89.8
7.5°	166.9	167.5	165.1	162.1	161.5	154.8	153.6	142.0	137.2	125.6	122.6
10°	224.6	223.4	220.9	220.3	214.9	208.2	197.9	191.8	176.0	167.5	160.9
12.5°	287.7	288.3	284.1	279.8	275.0	265.9	251.9	242.2	229.4	211.8	203.3
15°	355.7	353.3	353.3	348.4	341.1	330.8	319.9	305.9	287.7	268.9	256.8
17.5°	418.8	423.7	421.9	415.8	409.1	396.4	384.8	365.4	345.4	324.7	309.6
20°	497.7	498.9	495.9	490.4	484.4	469.8	455.8	436.4	411.5	379.4	366.6
22.5°	577.2	579.7	579.7	576.6	568.1	555.4	532.9	511.7	480.7	448.6	427.3
25°	668.9	667.1	668.9	667.1	653.1	641.6	618.5	593.0	559.6	520.2	494.7
27.5°	761.2	763.6	758.7	754.5	749.0	730.8	705.9	673.8	631.9	590.6	563.3
30°	851.0	856.5	856.5	851.6	843.1	824.9	797.0	762.4	716.2	664.0	631.9
32.5°	945.1	946.9	949.3	948.7	939.0	921.4	890.5	843.7	792.1	734.5	702.9
35°	1044.6	1039.2	1040.4	1036.7	1032.5	1010.6	974.8	929.9	874.1	809.7	771.5
37.5°	1127.2	1124.7	1126.6	1129.6	1118.1	1095.6	1054.3	1002.1	940.8	873.5	835.2
40°	1205.5	1203.7	1206.7	1207.3	1195.8	1169.7	1126.0	1075.6	1009.4	931.7	895.9
42.5°	1271.0	1271.0	1274.1	1277.7	1265.6	1237.6	1193.3	1133.2	1065.3	987.0	943.3
45°	1331.7	1329.9	1336.0	1337.8	1325.7	1297.7	1248.0	1187.3	1114.4	1034.9	989.4
47.5°	1380.3	1380.9	1387.0	1390.6	1379.7	1348.1	1297.7	1233.4	1157.5	1074.4	1027.6
50°	1420.4	1425.8	1431.3	1435.5	1424.0	1392.4	1340.2	1270.4	1194.6	1110.8	1062.2
52.5°	1460.4	1460.4	1468.9	1474.4	1461.6	1428.8	1374.2	1306.2	1228.5	1139.9	1092.6
55°	1485.9	1486.5	1496.8	1498.7	1490.8	1456.8	1400.9	1332.9	1255.2	1166.0	1115.6
57.5°	1508.4	1509.0	1520.5	1524.8	1513.8	1481.0	1424.0	1353.6	1277.7	1186.7	1135.7
60°	1527.8	1527.2	1536.9	1543.0	1532.0	1497.4	1441.6	1373.0	1295.3	1205.5	1152.7
62.5°	1539.9	1539.9	1551.5	1557.5	1546.0	1512.0	1454.9	1387.0	1309.3	1218.2	1166.0
65°	1545.4	1546.6	1557.5	1564.8	1553.9	1519.3	1462.2	1395.5	1319.0	1228.5	1175.7
67.5°	1547.2	1547.8	1561.2	1568.5	1558.1	1522.9	1466.5	1400.9	1326.3	1235.2	1181.8
70°	1548.4	1549.0	1559.4	1566.6	1557.5	1522.3	1467.7	1403.4	1330.5	1238.9	1185.4
72.5°	1541.7	1543.6	1555.1	1563.6	1552.7	1518.1	1464.7	1403.4	1329.9	1241.3	1186.7
75°	1533.3	1537.5	1547.8	1555.1	1545.4	1512.0	1459.8	1400.9	1329.3	1240.1	1186.7
77.5°	1524.8	1525.4	1538.7	1545.4	1535.1	1501.1	1451.3	1394.9	1325.7	1236.4	1182.4
80°	1507.8	1511.4	1522.9	1529.0	1519.9	1487.7	1439.2	1386.4	1319.0	1230.4	1175.7
82.5°	1495.6	1494.4	1505.9	1511.4	1502.3	1468.9	1425.2	1373.0	1309.3	1220.0	1166.6
85°	1472.6	1475.0	1484.1	1488.9	1478.6	1448.3	1406.4	1359.7	1295.9	1208.5	1154.5
87.5°	1450.7	1451.9	1458.0	1463.4	1453.1	1424.0	1385.1	1340.8	1279.5	1193.9	1141.1
90°	1423.4	1424.0	1430.7	1434.9	1425.8	1398.5	1362.7	1319.6	1261.9	1177.6	1124.7
92.5°	1397.9	1396.7	1401.5	1403.4	1395.5	1368.8	1336.6	1296.5	1240.7	1157.5	1106.5
95°	1364.5	1363.9	1368.1	1366.9	1358.4	1335.4	1306.2	1271.0	1215.8	1136.3	1085.9
97.5°	1327.5	1328.1	1330.5	1329.3	1320.2	1299.0	1276.5	1241.3	1190.3	1111.4	1062.8
100°	1286.2	1288.0	1291.7	1288.0	1280.1	1264.4	1240.7	1211.5	1161.2	1086.5	1038.6
102.5°	1251.6	1246.8	1245.5	1244.9	1237.0	1223.1	1204.9	1179.4	1132.6	1059.2	1013.1
105°	1206.1	1203.0	1202.4	1195.8	1192.7	1181.2	1166.0	1143.0	1101.1	1031.9	987.0
107.5°	1158.1	1158.7	1156.3	1148.4	1144.2	1136.3	1127.8	1107.1	1067.1	1001.5	960.3
110°	1115.0	1112.0	1105.3	1101.7	1098.6	1092.0	1086.5	1070.7	1033.7	972.4	931.1

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REPORT NUMBER: P1223999
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1061.6	1063.4	1055.6	*1053.1*	1048.3	1047.7	1044.0	1031.3	998.5	941.4	902.6
115°	1013.7	1012.5	1004.6	*999.7*	997.9	999.1	1001.5	992.4	962.1	908.1	872.2
117.5°	960.9	957.2	951.8	*946.9*	944.5	949.3	954.8	950.5	925.0	874.1	840.1
120°	904.4	905.0	897.1	*892.3*	892.9	900.8	908.1	905.6	881.3	835.8	805.5
122.5°	851.6	848.6	841.9	*837.0*	841.3	849.8	858.3	857.7	836.4	792.1	764.8
125°	793.9	793.3	786.7	*781.8*	785.4	795.2	805.5	806.7	786.7	749.6	722.3
127.5°	739.3	737.5	736.3	*730.8*	733.2	746.6	753.9	753.3	735.7	701.7	678.0
130°	687.1	686.5	679.2	*676.8*	679.8	690.8	698.0	696.8	682.9	653.1	631.9
132.5°	634.3	631.9	628.8	*625.2*	627.6	636.7	646.4	645.2	628.8	600.3	583.3
135°	582.1	580.3	577.9	*575.4*	577.2	586.3	594.8	592.4	578.5	553.0	536.0
137.5°	534.1	532.3	529.3	*526.3*	528.7	536.0	541.4	539.6	528.1	503.8	487.4
140°	484.4	485.6	481.9	*479.5*	480.7	488.0	492.3	489.8	477.1	457.1	443.7
142.5°	438.9	438.9	437.0	*436.4*	438.2	441.9	445.5	440.7	432.2	411.5	400.6
145°	395.1	395.8	395.1	*393.9*	394.5	398.8	399.4	397.6	387.9	372.7	360.6
147.5°	353.9	355.7	354.5	*354.5*	355.1	356.9	359.3	355.1	346.6	333.2	324.7
150°	315.6	316.8	316.8	*315.6*	315.6	318.1	318.1	315.0	308.3	297.4	289.5
152.5°	282.2	282.9	282.9	*281.6*	282.2	282.9	281.6	278.0	272.5	264.0	258.0
155°	251.9	253.1	251.3	*251.9*	250.1	250.7	250.1	247.7	241.6	234.3	230.7
157.5°	224.6	226.4	225.2	*225.2*	224.0	223.4	222.8	220.3	216.1	210.0	205.8
160°	202.7	203.9	202.1	*202.1*	200.9	200.9	198.5	197.3	193.0	187.6	185.1
162.5°	183.9	183.9	183.3	*183.9*	183.3	181.5	180.3	177.8	174.2	170.0	168.1
165°	168.7	168.1	168.1	*167.5*	166.9	165.7	163.9	162.7	159.0	155.4	154.2
167.5°	157.2	156.6	156.0	*155.4*	154.2	153.6	151.7	150.5	147.5	144.5	143.2
170°	147.5	147.5	146.3	*145.7*	145.1	143.9	142.0	140.2	137.8	136.0	134.8
172.5°	139.0	139.0	138.4	*137.8*	137.2	136.0	134.1	132.9	131.1	129.3	128.1
175°	132.9	132.9	132.3	*131.1*	130.5	129.3	128.1	126.9	125.0	123.8	123.2
177.5°	128.1	128.1	128.1	*126.9*	126.3	125.0	123.8	122.6	122.0	120.8	120.8
180°	122.0	122.0	122.0	*122.0*	122.0	122.0	122.0	122.0	122.0	122.0	122.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	72.2	68.6	65.6	60.7	56.4	52.8	50.4	48.6	47.3	46.1
5°	86.2	79.5	72.8	65.6	58.9	52.8	48.0	44.3	42.5	42.5
7.5°	117.8	107.4	95.9	85.6	77.7	69.8	62.5	58.3	55.8	54.6
10°	154.2	139.0	127.5	114.7	100.8	91.0	82.6	77.1	74.1	74.7
12.5°	197.9	179.1	164.5	145.7	130.5	115.3	106.2	98.3	94.7	94.1
15°	246.4	224.6	203.3	180.9	160.9	143.2	129.9	119.6	113.5	112.9
17.5°	297.4	270.1	241.6	216.1	190.0	168.1	149.9	137.8	131.1	131.1
20°	349.0	318.1	284.7	251.3	219.7	193.0	171.8	156.0	147.5	146.3
22.5°	408.5	369.0	329.0	288.3	252.5	219.1	191.8	173.0	163.9	162.1
25°	473.5	426.7	378.8	330.8	286.5	246.4	214.9	193.6	180.9	179.1
27.5°	540.8	484.4	427.9	372.1	320.5	276.2	237.9	210.6	197.9	196.1
30°	607.0	545.1	479.5	414.0	355.7	304.7	261.0	229.4	213.7	211.2
32.5°	671.9	601.5	529.3	456.5	392.7	333.2	282.2	248.3	228.8	226.4
35°	733.8	661.0	576.6	498.3	425.5	361.8	304.7	265.3	243.4	241.0
37.5°	794.5	712.0	623.4	537.2	458.3	386.0	325.3	281.0	256.8	254.3
40°	852.2	760.6	664.0	573.0	486.8	410.3	342.9	295.0	267.7	264.6
42.5°	896.5	802.4	701.7	603.3	511.7	428.5	358.7	305.9	276.2	271.9
45°	940.8	840.1	733.8	630.1	533.5	446.1	371.5	315.6	284.1	279.2
47.5°	977.2	872.2	759.9	651.9	551.8	461.3	382.4	322.3	288.9	284.1
50°	1011.8	900.8	784.2	671.9	568.1	474.7	391.5	327.8	292.0	287.1
52.5°	1038.6	924.4	803.7	687.7	581.5	484.4	398.8	331.4	293.8	288.3
55°	1061.0	943.9	819.4	699.9	591.8	492.9	404.3	333.2	293.8	288.3
57.5°	1079.8	959.0	832.2	710.8	599.7	498.3	407.9	333.8	292.0	286.5
60°	1096.2	973.0	842.5	719.3	607.0	503.8	410.3	333.8	290.1	284.1
62.5°	1109.6	982.7	850.4	726.0	612.5	508.0	411.5	332.6	286.5	280.4
65°	1117.5	989.4	855.2	729.6	615.5	509.3	411.5	330.8	282.9	276.8
67.5°	*1124.1*	*993.6*	*858.3*	*731.4*	*617.3*	*510.5*	*410.9*	*327.8*	*279.2*	*273.1*
70°	1127.2	995.5	859.5	732.6	618.5	509.9	409.1	325.3	275.6	268.3
72.5°	1127.8	996.1	858.9	732.6	618.5	509.9	407.3	321.7	271.3	264.6
75°	1126.6	994.2	857.1	732.0	617.9	508.0	405.5	318.7	267.7	260.4
77.5°	1122.9	990.6	854.0	729.6	614.9	506.2	401.8	315.0	263.4	256.8
80°	1116.9	984.5	849.2	725.3	611.2	502.6	398.8	311.4	259.8	253.1
82.5°	1107.8	976.6	843.1	719.9	607.6	498.3	395.1	307.7	256.1	249.5
85°	1096.8	966.9	834.0	713.2	602.1	493.5	390.3	303.5	252.5	245.8
87.5°	1081.7	954.8	824.3	705.3	594.8	487.4	384.8	299.9	249.5	242.8
90°	1067.1	941.4	814.0	696.8	588.2	481.9	380.0	295.6	247.0	240.4
92.5°	1050.1	925.7	801.2	687.1	579.1	474.7	375.1	292.0	244.6	238.5
95°	1030.7	908.7	787.9	675.6	570.6	467.4	369.0	288.3	242.2	236.7
97.5°	1008.8	890.5	773.3	663.4	560.2	459.5	363.6	285.3	241.0	234.9
100°	986.4	869.8	757.5	651.3	549.9	451.0	358.1	282.2	240.4	234.9
102.5°	960.9	851.0	741.7	639.2	539.6	443.1	352.7	280.4	240.4	234.9
105°	936.6	829.1	724.7	625.8	529.3	435.2	347.8	279.2	241.0	236.1
107.5°	910.5	808.5	707.7	611.8	517.8	427.3	343.6	278.0	242.2	237.3
110°	886.2	788.5	692.0	598.5	507.4	420.0	339.3	277.4	243.4	239.2

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

Scaled Data Report

REPORT NUMBER: P1223999
CATALOG NUMBER: FFX-CLB-60-740-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	859.5	766.6	674.4	583.9	496.5	411.5	335.1	276.2	244.6	241.0
115°	831.6	743.6	656.8	569.4	483.8	403.6	330.8	275.6	245.8	242.2
117.5°	801.2	718.7	635.5	552.4	470.4	393.9	324.7	273.1	245.8	242.2
120°	768.4	692.6	612.5	534.1	455.2	382.4	318.7	270.1	244.6	241.6
122.5°	732.6	661.6	585.7	511.1	438.2	369.0	309.6	264.6	241.6	238.5
125°	693.2	627.0	558.4	486.2	417.0	353.9	298.6	258.6	236.7	234.3
127.5°	651.9	591.2	525.7	460.1	397.0	337.5	287.1	249.5	230.0	227.6
130°	605.8	551.1	491.7	431.0	373.3	318.7	273.1	239.2	221.6	219.1
132.5°	561.5	511.7	458.3	404.3	348.4	300.5	258.0	227.6	212.4	210.0
135°	515.3	471.6	423.7	372.7	325.3	280.4	242.8	216.1	202.1	200.3
137.5°	470.4	433.4	388.5	343.6	301.7	261.0	228.2	205.2	192.4	191.2
140°	428.5	393.9	356.3	316.8	278.0	242.8	214.3	193.0	182.7	180.9
142.5°	387.9	358.1	324.1	290.7	254.9	225.2	200.3	181.5	173.0	171.8
145°	349.6	324.7	295.0	264.6	234.3	208.2	187.0	171.2	163.9	163.3
147.5°	313.8	293.2	267.1	241.6	216.1	194.2	174.8	162.7	156.0	155.4
150°	281.0	262.2	241.6	219.7	198.5	179.1	164.5	153.6	148.1	147.5
152.5°	250.1	235.5	218.5	200.9	182.7	167.5	154.2	146.3	142.0	141.4
155°	223.4	211.8	197.9	182.7	168.7	156.6	146.3	140.2	136.6	136.6
157.5°	200.9	191.2	180.9	168.7	157.2	147.5	140.2	134.8	131.7	131.7
160°	181.5	173.0	165.1	156.0	148.1	140.2	134.8	130.5	128.1	128.1
162.5°	165.1	159.0	153.0	146.3	139.6	134.8	129.9	126.9	125.6	125.0
165°	151.7	148.1	143.2	138.4	134.1	129.9	126.9	125.0	123.8	123.8
167.5°	141.4	139.0	135.4	132.3	129.3	126.3	124.4	123.2	122.6	122.6
170°	133.5	131.7	129.3	127.5	125.6	123.8	122.6	122.0	121.4	121.4
172.5°	127.5	125.6	124.4	123.8	122.6	122.0	121.4	120.8	120.8	120.8
175°	123.2	122.0	122.0	121.4	120.8	120.8	120.2	120.2	120.2	120.8
177.5°	120.2	120.2	120.2	120.2	120.2	120.8	120.8	120.8	121.4	121.4
180°	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0

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: SP1-2501-332-1

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

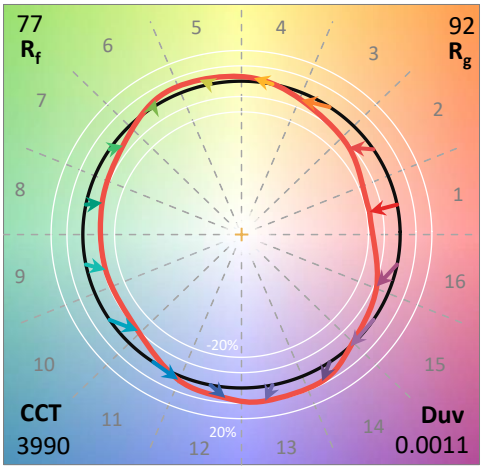
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

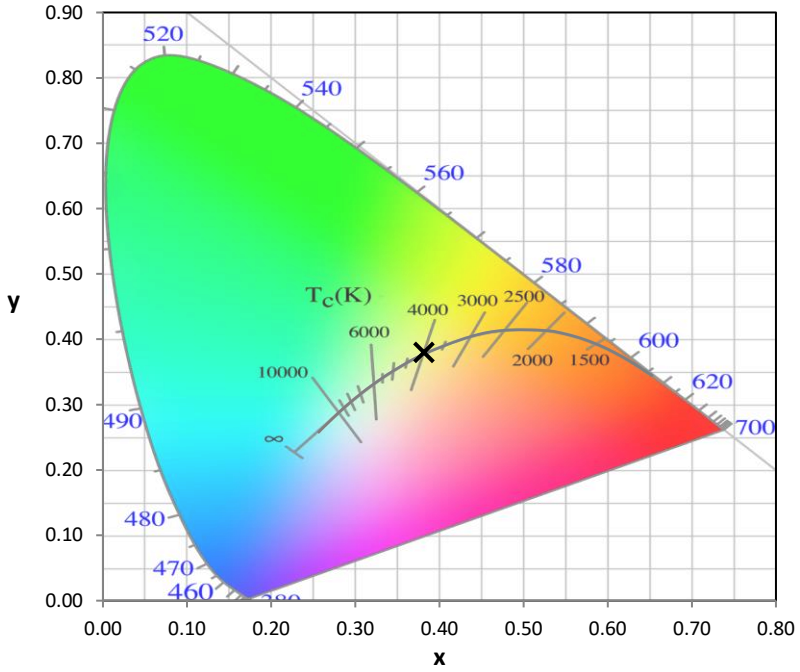
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

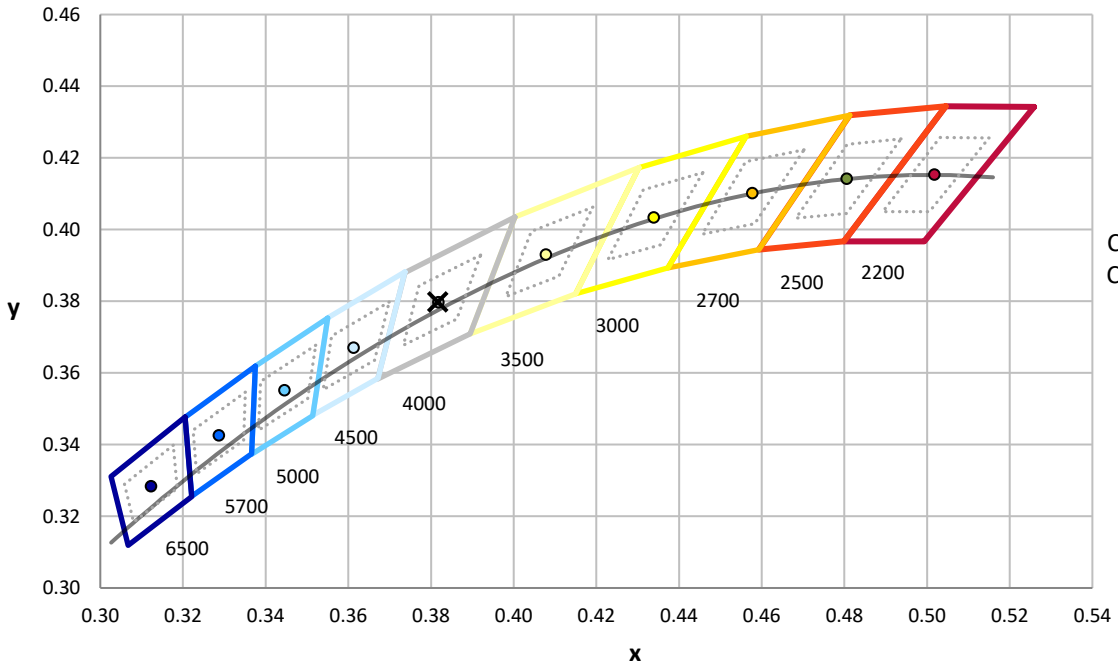
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

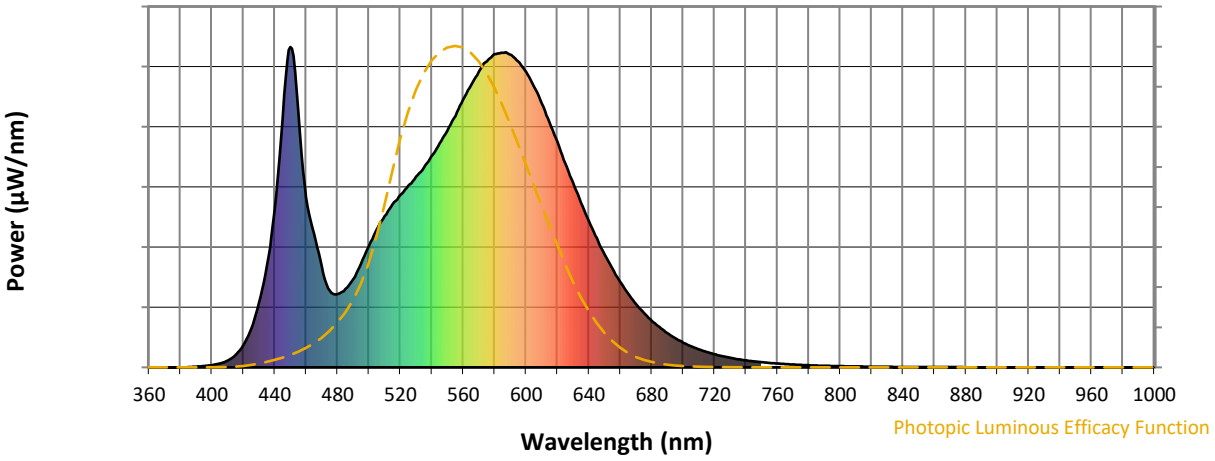


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

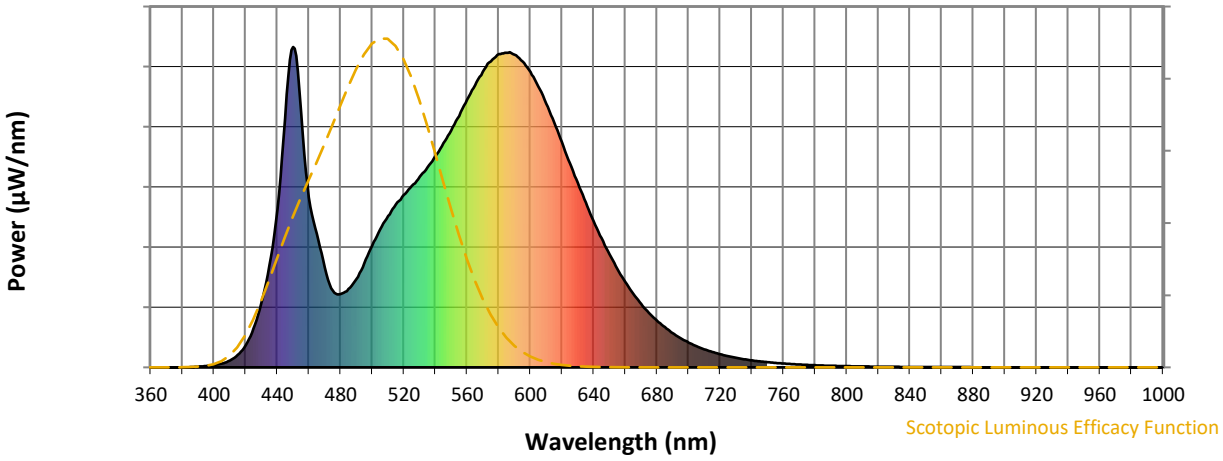


Photopic Lumens: NR

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

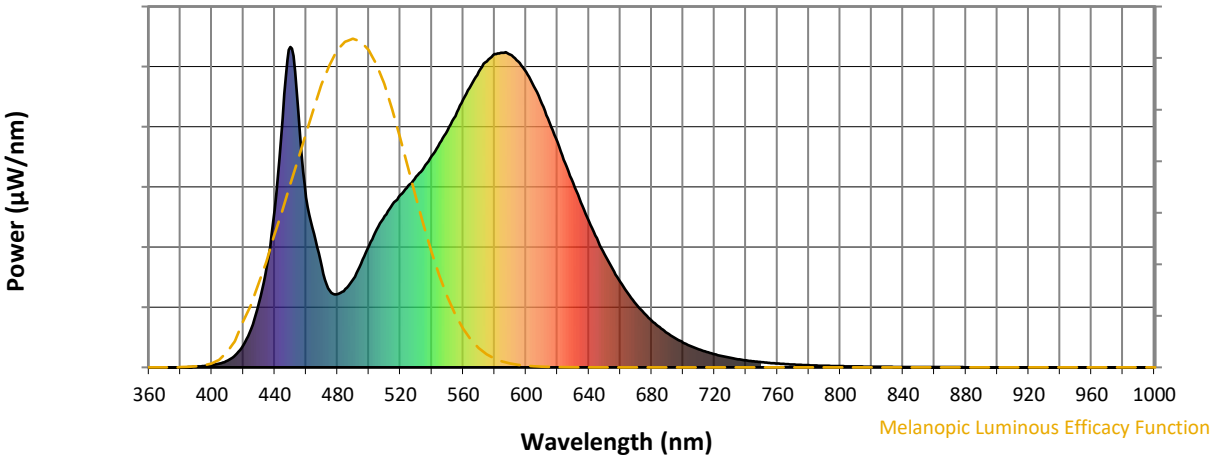


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

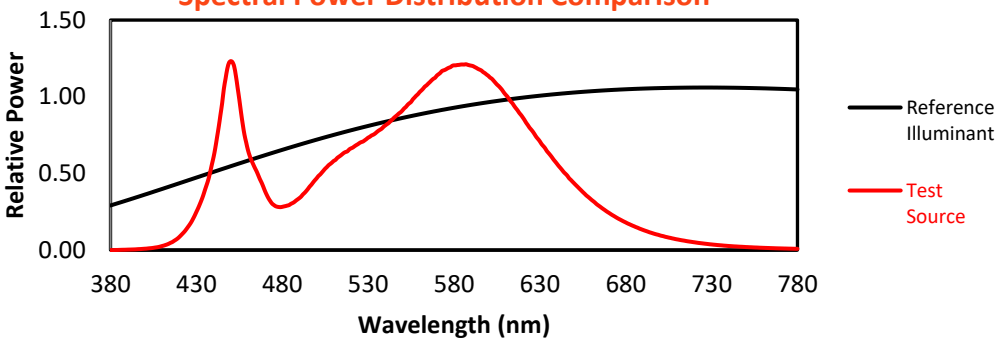
REPORT NUMBER: SP1-2501-332-1

TM-30-18

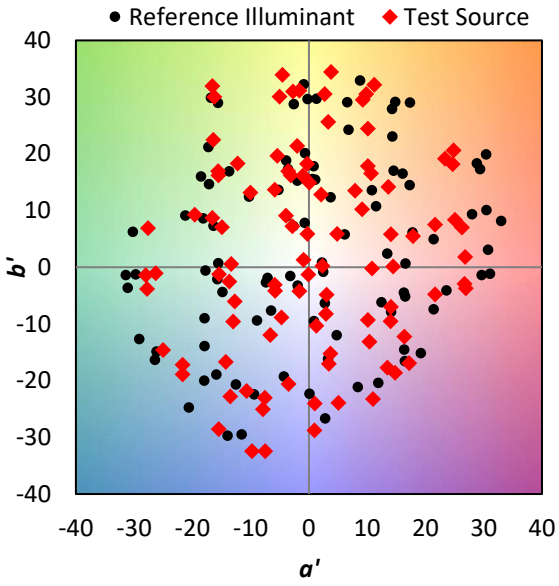
Summary

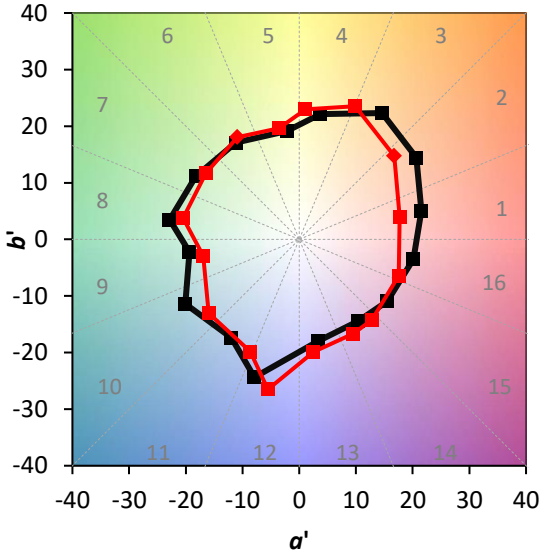
R_f = 77.5
R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

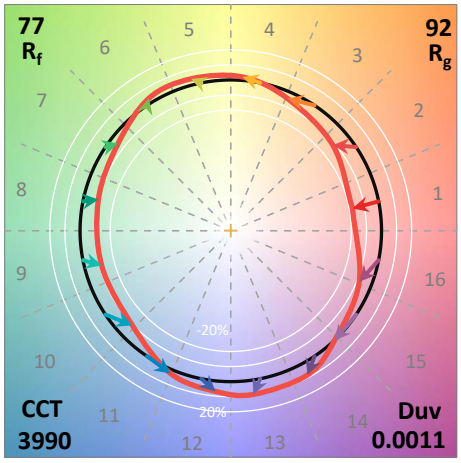
Spectral Power Distribution Comparison

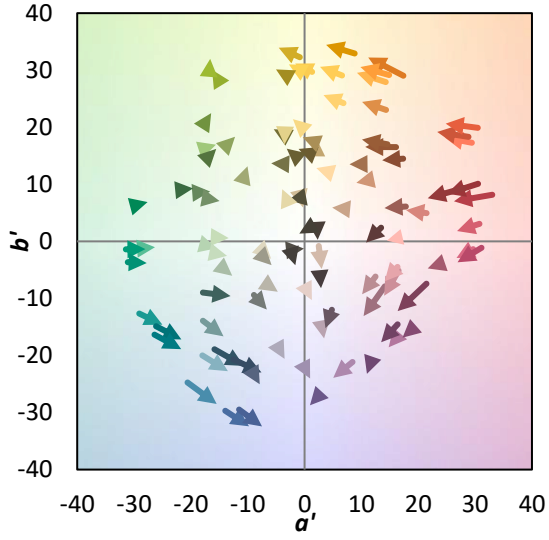


Color Vector Graphics







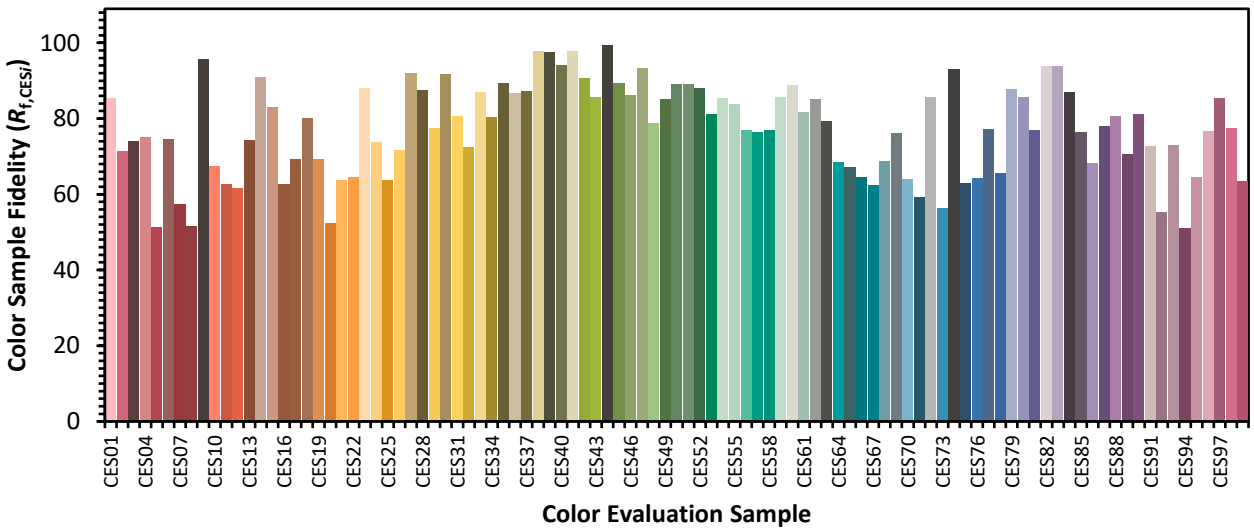


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

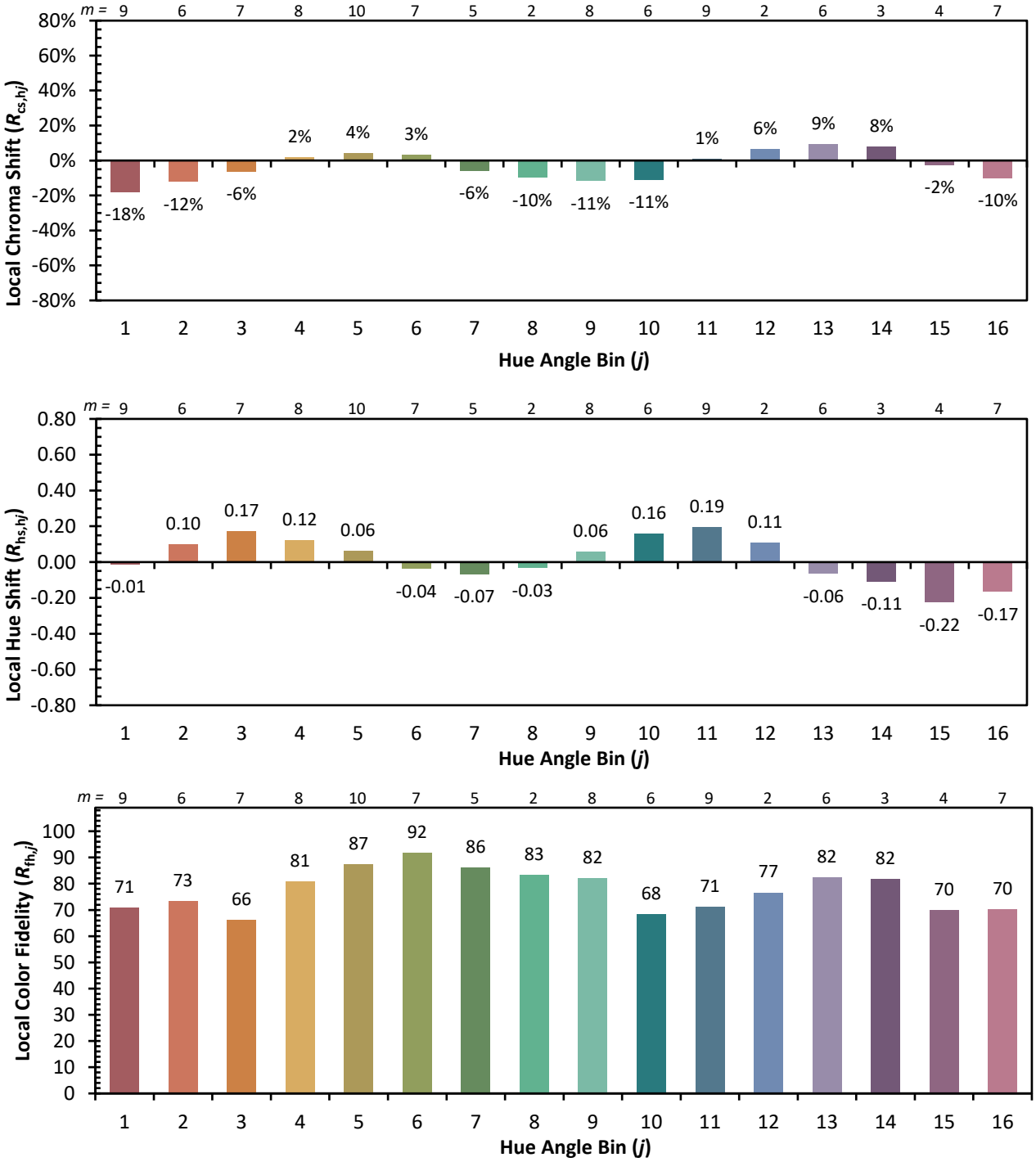
CES01 = 85	CES26 = 72	CES51 = 89	CES76 = 64
CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
CES25 = 72	CES50 = 89	CES75 = 63	



REPORT NUMBER: SP1-2501-332-1

TM-30-18

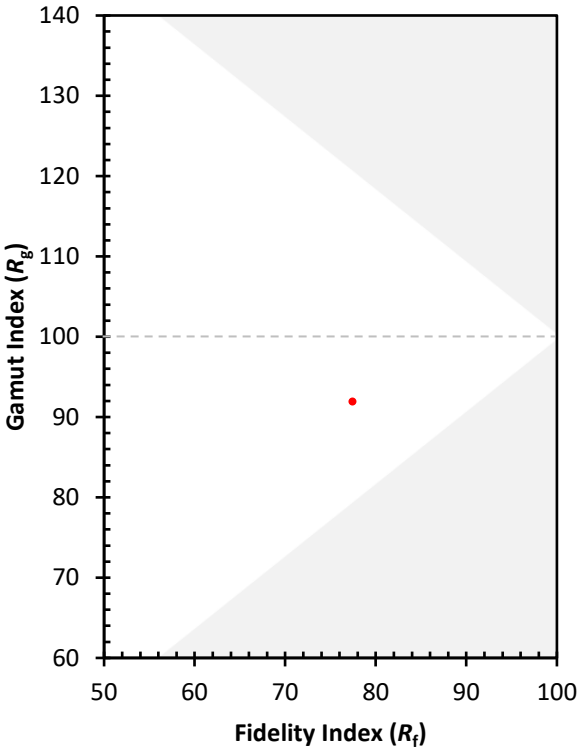
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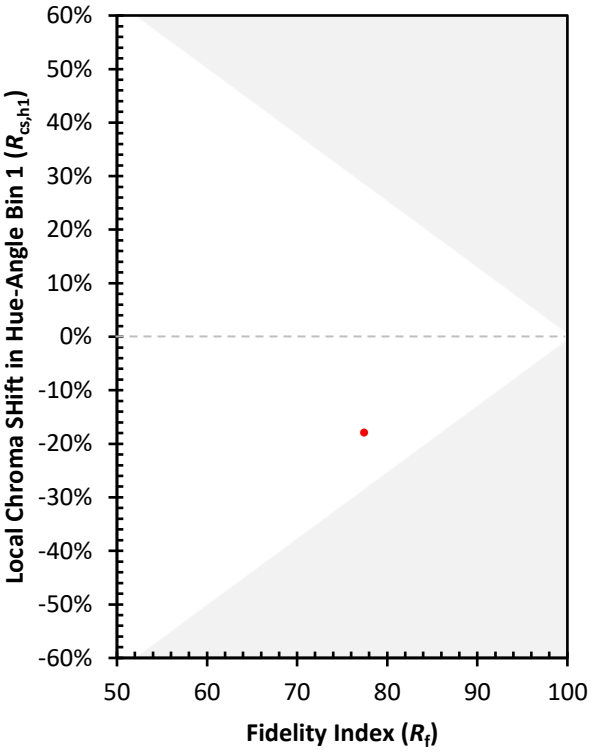


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Measure Comparisons





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