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: P1223981

Luminaire Tested: **FFX-CLB-60-727-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:	P1223981
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8605.7 lumens
Efficiency:	N/A
Efficacy:	142.0 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

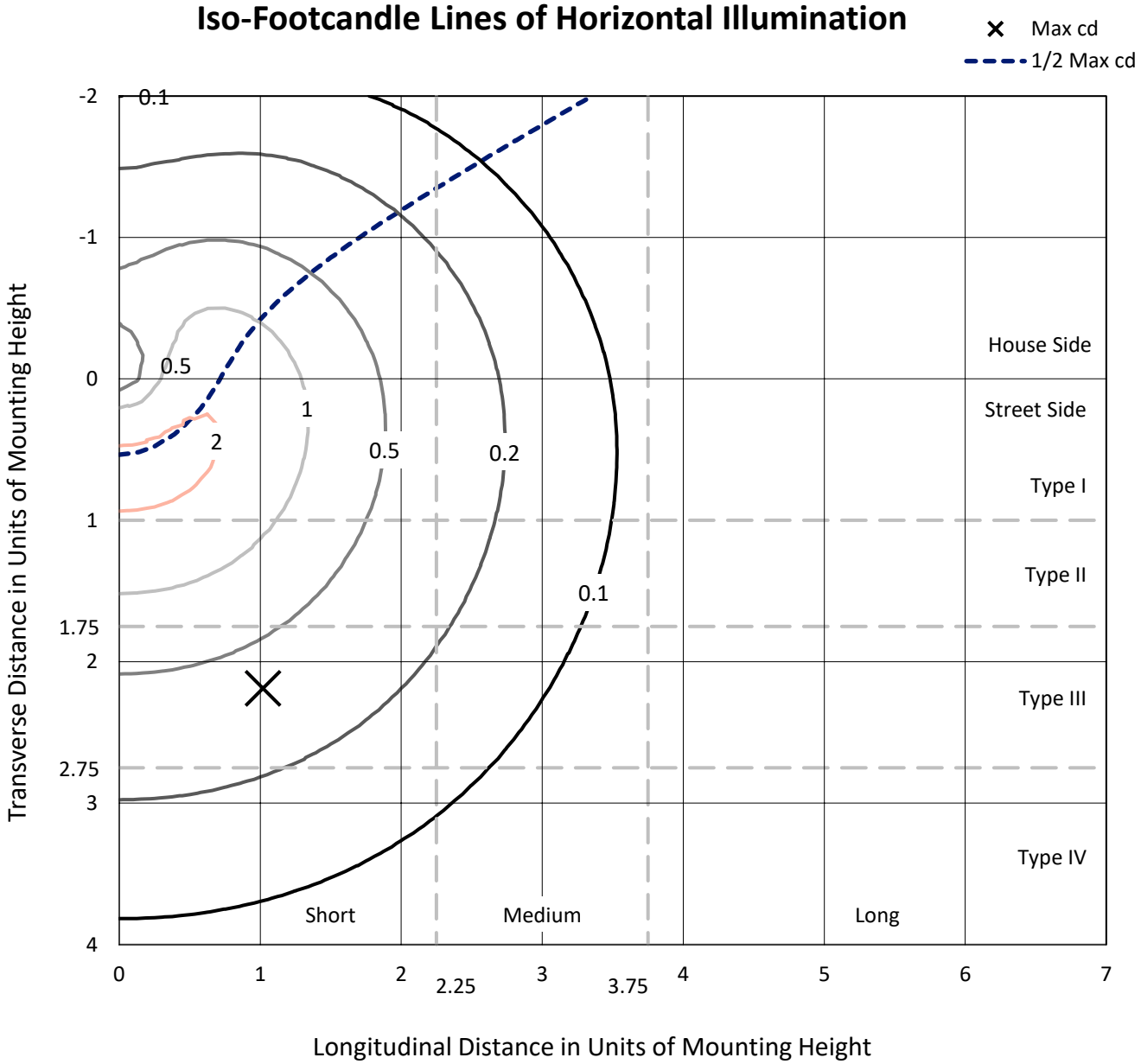


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Iso-Footcandle Lines of Horizontal Illumination



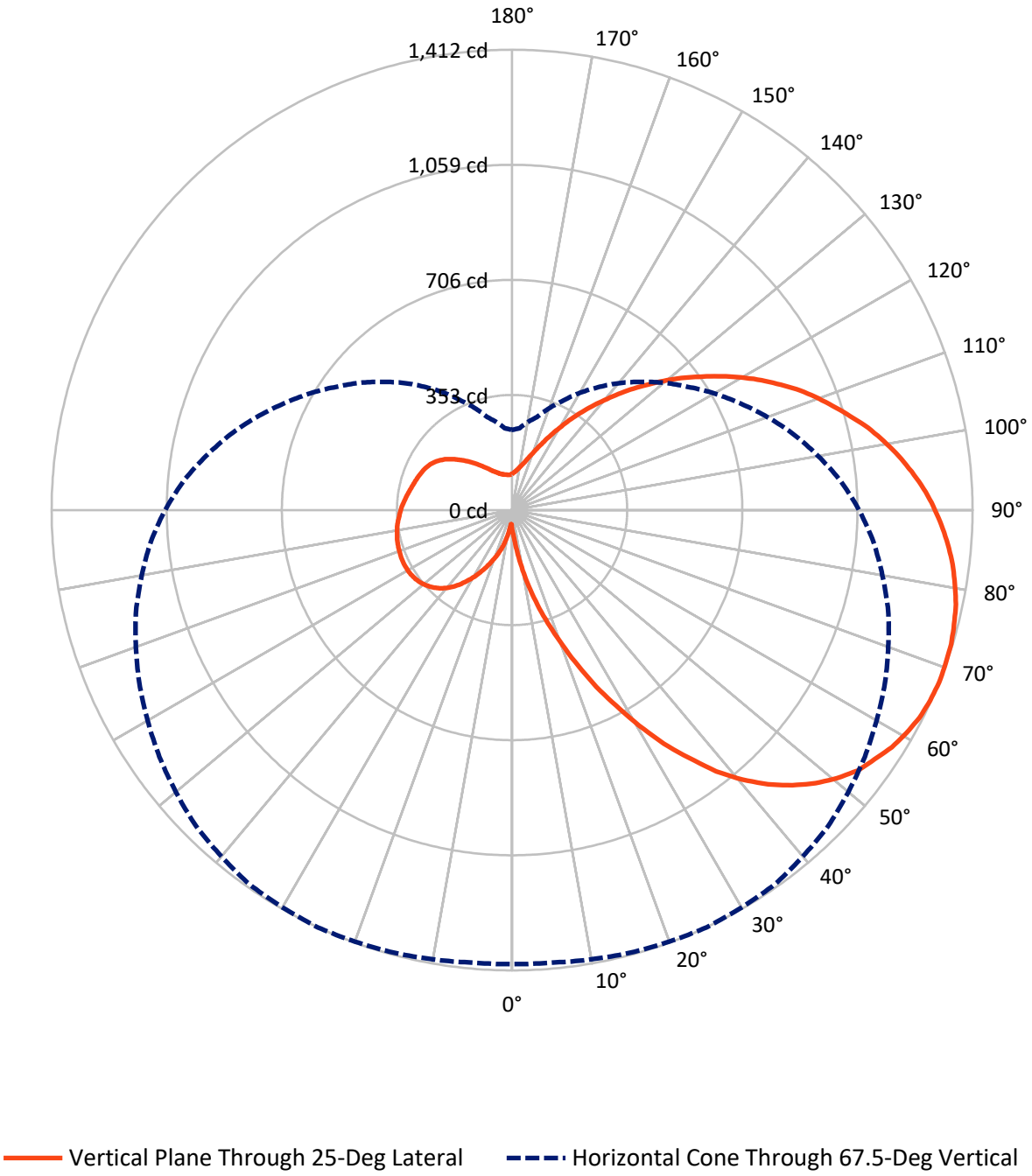
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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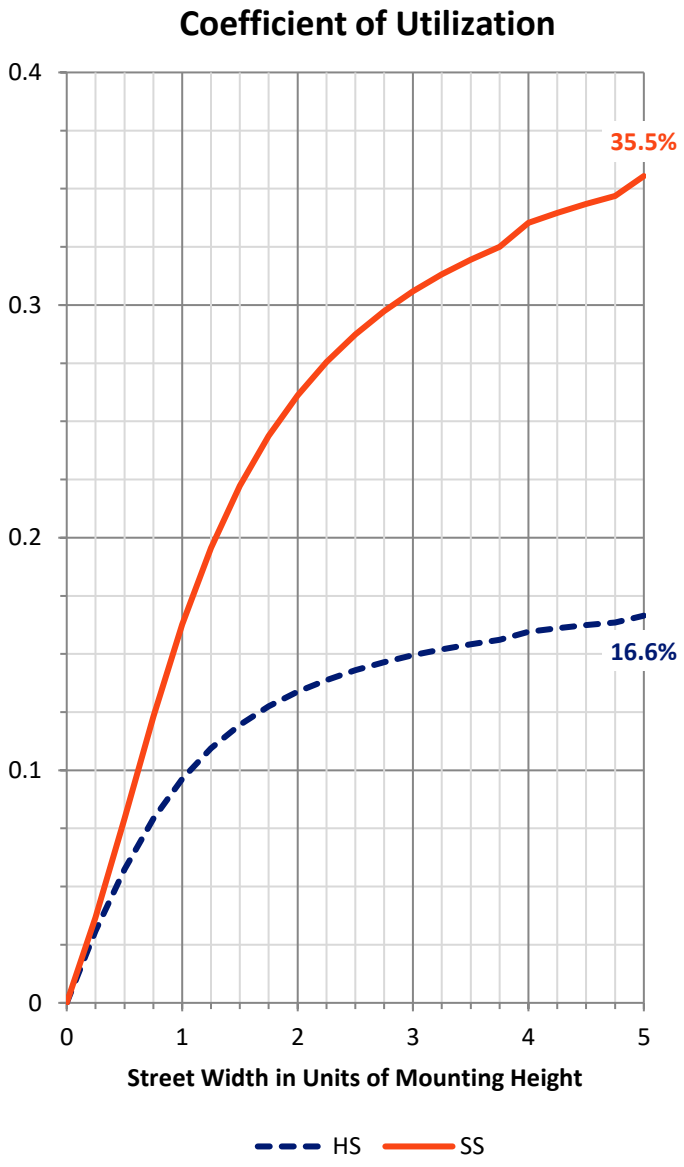
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1576.0	1204.7	2780.7
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	3482.4	2342.6	5825.0
	% Fixture	40.5	27.2	67.7
Total	Lumens	5058.5	3547.3	8605.7
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	65.5	0.8
20°-30°	196.0	2.3
30°-40°	403.4	4.7
40°-50°	629.9	7.3
50°-60°	815.9	9.5
60°-70°	940.7	10.9
70°-80°	1001.0	11.6
80°-90°	996.6	11.6
90°-100°	929.7	10.8
100°-110°	812.7	9.4
110°-120°	665.5	7.7
120°-130°	494.9	5.8
130°-140°	321.9	3.7
140°-150°	182.4	2.1
150°-160°	89.9	1.0
160°-170°	39.2	0.5
170°-180°	11.0	0.1
0°-90°	5058.5	58.8
0°-180°	8605.7	100.0



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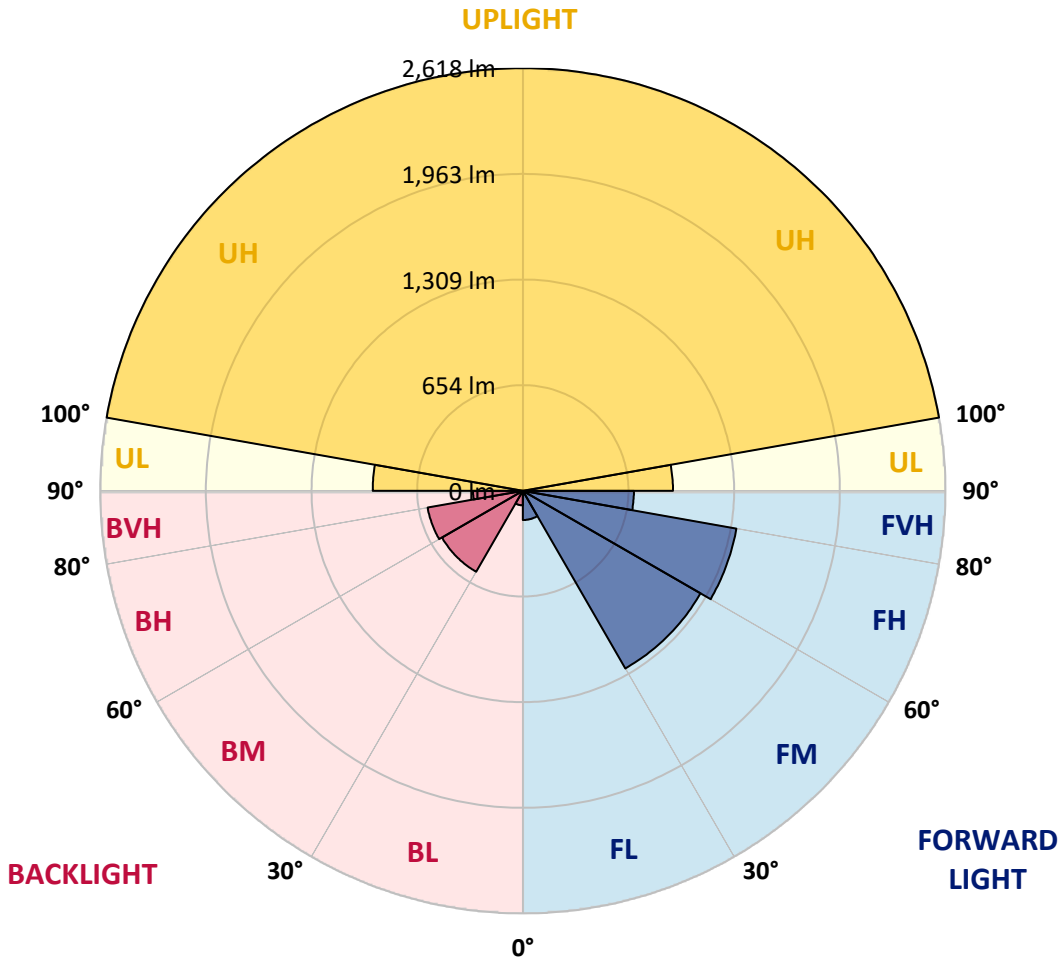
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	180.8	2.1			
FM	(30°-60°)	1270.6	14.8			
FH	(60°-80°)	1343.1	15.6			G1/1800
FVH	(80°-90°)	687.9	8.0			G4/750
BL	(0°-30°)	90.1	1.0	B0/110		
BM	(30°-60°)	578.6	6.7	B1/1000		
BH	(60°-80°)	598.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	308.7	3.6			G3/500
UL	(90°-100°)	929.7	10.8		U4/1000	
UH	(100°-180°)	2617.5	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°	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2.5°	74.3	74.3	74.8	74.8	73.7	74.3	73.2	71.6	70.5	67.7	66.6
5°	108.2	106.5	107.1	106.0	103.8	102.7	98.3	95.1	89.6	83.6	80.9
7.5°	150.2	150.8	148.6	145.9	145.3	139.3	138.2	127.8	123.5	113.1	110.4
10°	202.1	201.0	198.8	198.3	193.4	187.4	178.1	172.6	158.4	150.8	144.8
12.5°	258.9	259.5	255.7	251.8	247.5	239.3	226.7	218.0	206.5	190.7	183.0
15°	320.1	317.9	317.9	313.6	307.0	297.7	287.9	275.3	258.9	242.0	231.1
17.5°	376.9	381.3	379.7	374.2	368.2	356.7	346.3	328.9	310.8	292.3	278.6
20°	448.0	449.0	446.3	441.4	435.9	422.8	410.3	392.8	370.4	341.4	330.0
22.5°	519.5	521.7	521.7	519.0	511.3	499.9	479.6	460.5	432.7	403.7	384.6
25°	602.0	600.4	602.0	600.4	587.8	577.4	556.7	533.7	503.7	468.2	445.2
27.5°	685.0	687.2	682.9	679.0	674.1	657.7	635.3	606.4	568.7	531.5	507.0
30°	765.9	770.8	770.8	766.4	758.8	742.4	717.3	686.1	644.6	597.6	568.7
32.5°	850.6	852.2	854.4	853.8	845.1	829.3	801.4	759.3	712.9	661.0	632.6
35°	940.2	935.2	936.3	933.1	929.2	909.6	877.3	836.9	786.7	728.7	694.3
37.5°	1014.5	1012.3	1013.9	1016.6	1006.3	986.1	948.9	901.9	846.7	786.1	751.7
40°	1084.9	1083.3	1086.0	1086.6	1076.2	1052.7	1013.4	968.0	908.5	838.6	806.3
42.5°	1143.9	1143.9	1146.7	1149.9	1139.0	1113.9	1074.0	1019.9	958.7	888.3	848.9
45°	1198.6	1196.9	1202.4	1204.0	1193.1	1168.0	1123.2	1068.5	1003.0	931.4	890.5
47.5°	1242.3	1242.8	1248.3	1251.5	1241.7	1213.3	1168.0	1110.1	1041.8	966.9	924.9
50°	1278.3	1283.2	1288.1	1292.0	1281.6	1253.2	1206.2	1143.4	1075.1	999.7	956.0
52.5°	1314.4	1314.4	1322.0	1326.9	1315.5	1286.0	1236.8	1175.6	1105.7	1025.9	983.3
55°	1337.3	1337.9	1347.1	1348.8	1341.7	1311.1	1260.8	1199.6	1129.7	1049.4	1004.1
57.5°	1357.5	1358.1	1368.5	1372.3	1362.4	1332.9	1281.6	1218.2	1149.9	1068.0	1022.1
60°	1375.0	1374.5	1383.2	1388.7	1378.8	1347.7	1297.4	1235.7	1165.8	1084.9	1037.4
62.5°	1385.9	1385.9	1396.3	1401.8	1391.4	1360.8	1309.5	1248.3	1178.3	1096.4	1049.4
65°	1390.9	1391.9	1401.8	1408.3	1398.5	1367.4	1316.0	1255.9	1187.1	1105.7	1058.2
67.5°	1392.5	1393.0	1405.1	1411.6	1402.3	1370.6	1319.8	1260.8	1193.6	1111.7	1063.6
70°	1393.6	1394.1	1403.4	1410.0	1401.8	1370.1	1320.9	1263.0	1197.5	1115.0	1066.9
72.5°	1387.6	1389.2	1399.6	1407.2	1397.4	1366.3	1318.2	1263.0	1196.9	1117.2	1068.0
75°	1379.9	1383.7	1393.0	1399.6	1390.9	1360.8	1313.8	1260.8	1196.4	1116.1	1068.0
77.5°	1372.3	1372.8	1384.8	1390.9	1381.6	1351.0	1306.2	1255.4	1193.1	1112.8	1064.2
80°	1357.0	1360.3	1370.6	1376.1	1367.9	1339.0	1295.3	1247.7	1187.1	1107.3	1058.2
82.5°	1346.1	1345.0	1355.3	1360.3	1352.1	1322.0	1282.7	1235.7	1178.3	1098.0	1050.0
85°	1325.3	1327.5	1335.7	1340.0	1330.8	1303.4	1265.8	1223.7	1166.3	1087.7	1039.0
87.5°	1305.6	1306.7	1312.2	1317.1	1307.8	1281.6	1246.6	1206.8	1151.6	1074.5	1027.0
90°	1281.0	1281.6	1287.6	1291.4	1283.2	1258.6	1226.4	1187.6	1135.7	1059.8	1012.3
92.5°	1258.1	1257.0	1261.4	1263.0	1255.9	1231.9	1202.9	1166.9	1116.6	1041.8	995.9
95°	1228.1	1227.5	1231.3	1230.2	1222.6	1201.8	1175.6	1143.9	1094.2	1022.7	977.3
97.5°	1194.7	1195.3	1197.5	1196.4	1188.2	1169.1	1148.8	1117.2	1071.3	1000.3	956.6
100°	1157.6	1159.2	1162.5	1159.2	1152.1	1137.9	1116.6	1090.4	1045.1	977.9	934.7
102.5°	1126.4	1122.1	1121.0	1120.4	1113.3	1100.8	1084.4	1061.4	1019.4	953.3	911.8
105°	1085.5	1082.7	1082.2	1076.2	1073.5	1063.1	1049.4	1028.7	991.0	928.7	888.3
107.5°	1042.3	1042.9	1040.7	1033.6	1029.8	1022.7	1015.0	996.4	960.4	901.4	864.2
110°	1003.5	1000.8	994.8	991.5	988.8	982.8	977.9	963.7	930.3	875.2	838.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	955.5	957.1	950.0	*947.8*	943.4	942.9	939.6	928.1	898.6	847.3	812.3
115°	912.3	911.2	904.1	*899.7*	898.1	899.2	901.4	893.2	865.9	817.2	785.0
117.5°	864.8	861.5	856.6	*852.2*	850.0	854.4	859.3	855.5	832.5	786.7	756.1
120°	814.0	814.5	807.4	*803.0*	803.6	810.7	817.2	815.1	793.2	752.2	724.9
122.5°	766.4	763.7	757.7	*753.3*	757.2	764.8	772.5	771.9	752.8	712.9	688.3
125°	714.5	714.0	708.0	*703.6*	706.9	715.6	724.9	726.0	708.0	674.7	650.1
127.5°	665.4	663.7	662.6	*657.7*	659.9	671.9	678.5	677.9	662.1	631.5	610.2
130°	618.4	617.9	611.3	*609.1*	611.8	621.7	628.2	627.1	614.6	587.8	568.7
132.5°	570.9	568.7	566.0	*562.7*	564.9	573.1	581.8	580.7	566.0	540.3	525.0
135°	523.9	522.3	520.1	*517.9*	519.5	527.7	535.4	533.2	520.6	497.7	482.4
137.5°	480.7	479.1	476.4	*473.6*	475.8	482.4	487.3	485.7	475.3	453.4	438.7
140°	435.9	437.0	433.8	*431.6*	432.7	439.2	443.0	440.9	429.4	411.4	399.3
142.5°	395.0	395.0	393.3	*392.8*	394.4	397.7	401.0	396.6	389.0	370.4	360.6
145°	355.6	356.2	355.6	*354.5*	355.1	358.9	359.5	357.8	349.1	335.4	324.5
147.5°	318.5	320.1	319.0	*319.0*	319.6	321.2	323.4	319.6	311.9	299.9	292.3
150°	284.1	285.2	285.2	*284.1*	284.1	286.3	286.3	283.5	277.5	267.7	260.6
152.5°	254.0	254.6	254.6	*253.5*	254.0	254.6	253.5	250.2	245.3	237.6	232.2
155°	226.7	227.8	226.2	*226.7*	225.1	225.6	225.1	222.9	217.4	210.9	207.6
157.5°	202.1	203.8	202.7	*202.7*	201.6	201.0	200.5	198.3	194.5	189.0	185.2
160°	182.5	183.6	181.9	*181.9*	180.8	180.8	178.6	177.5	173.7	168.8	166.6
162.5°	165.5	165.5	165.0	*165.5*	165.0	163.3	162.2	160.1	156.8	153.0	151.3
165°	151.9	151.3	151.3	*150.8*	150.2	149.1	147.5	146.4	143.1	139.8	138.8
167.5°	141.5	140.9	140.4	*139.8*	138.8	138.2	136.6	135.5	132.7	130.0	128.9
170°	132.7	132.7	131.7	*131.1*	130.6	129.5	127.8	126.2	124.0	122.4	121.3
172.5°	125.1	125.1	124.6	*124.0*	123.5	122.4	120.7	119.6	118.0	116.4	115.3
175°	119.6	119.6	119.1	*118.0*	117.5	116.4	115.3	114.2	112.5	111.4	110.9
177.5°	115.3	115.3	115.3	*114.2*	113.6	112.5	111.4	110.4	109.8	108.7	108.7
180°	109.8	109.8	109.8	*109.8*	109.8	109.8	109.8	109.8	109.8	109.8	109.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2.5°	65.0	61.7	59.0	54.6	50.8	47.5	45.3	43.7	42.6	41.5
5°	77.6	71.6	65.6	59.0	53.0	47.5	43.2	39.9	38.2	38.2
7.5°	106.0	96.7	86.3	77.0	69.9	62.8	56.3	52.4	50.3	49.2
10°	138.8	125.1	114.7	103.2	90.7	81.9	74.3	69.4	66.6	67.2
12.5°	178.1	161.2	148.0	131.1	117.5	103.8	95.6	88.5	85.2	84.7
15°	221.8	202.1	183.0	162.8	144.8	128.9	116.9	107.6	102.2	101.6
17.5°	267.7	243.1	217.4	194.5	171.0	151.3	134.9	124.0	118.0	118.0
20°	314.1	286.3	256.2	226.2	197.8	173.7	154.6	140.4	132.7	131.7
22.5°	367.7	332.1	296.1	259.5	227.3	197.2	172.6	155.7	147.5	145.9
25°	426.1	384.0	340.9	297.7	257.8	221.8	193.4	174.3	162.8	161.2
27.5°	486.7	435.9	385.1	334.9	288.4	248.6	214.1	189.6	178.1	176.5
30°	546.3	490.6	431.6	372.6	320.1	274.2	234.9	206.5	192.3	190.1
32.5°	604.7	541.4	476.4	410.8	353.4	299.9	254.0	223.4	206.0	203.8
35°	660.5	594.9	519.0	448.5	382.9	325.6	274.2	238.7	219.1	216.9
37.5°	715.1	640.8	561.0	483.5	412.4	347.4	292.8	252.9	231.1	228.9
40°	767.0	684.5	597.6	515.7	438.1	369.3	308.7	265.5	240.9	238.2
42.5°	806.9	722.2	631.5	543.0	460.5	385.7	322.9	275.3	248.6	244.7
45°	846.7	756.1	660.5	567.0	480.2	401.5	334.3	284.1	255.7	251.3
47.5°	879.5	785.0	684.0	586.7	496.6	415.2	344.2	290.1	260.0	255.7
50°	910.7	810.7	705.8	604.7	511.3	427.2	352.4	295.0	262.8	258.4
52.5°	934.7	832.0	723.3	618.9	523.3	435.9	358.9	298.3	264.4	259.5
55°	954.9	849.5	737.5	629.9	532.6	443.6	363.8	299.9	264.4	259.5
57.5°	971.8	863.1	749.0	639.7	539.7	448.5	367.1	300.5	262.8	257.8
60°	986.6	875.7	758.2	647.4	546.3	453.4	369.3	300.5	261.1	255.7
62.5°	998.6	884.4	765.4	653.4	551.2	457.2	370.4	299.4	257.8	252.4
65°	1005.7	890.5	769.7	656.6	553.9	458.3	370.4	297.7	254.6	249.1
67.5°	*1011.7*	*894.3*	*772.5*	*658.3*	*555.6*	*459.4*	*369.8*	*295.0*	*251.3*	*245.8*
70°	1014.5	895.9	773.5	659.4	556.7	458.9	368.2	292.8	248.0	241.5
72.5°	1015.0	896.5	773.0	659.4	556.7	458.9	366.6	289.5	244.2	238.2
75°	1013.9	894.8	771.4	658.8	556.1	457.2	364.9	286.8	240.9	234.4
77.5°	1010.6	891.5	768.6	656.6	553.4	455.6	361.6	283.5	237.1	231.1
80°	1005.2	886.1	764.3	652.8	550.1	452.3	358.9	280.2	233.8	227.8
82.5°	997.0	879.0	758.8	647.9	546.8	448.5	355.6	277.0	230.5	224.5
85°	987.1	870.2	750.6	641.9	541.9	444.1	351.3	273.1	227.3	221.2
87.5°	973.5	859.3	741.9	634.8	535.4	438.7	346.3	269.9	224.5	218.5
90°	960.4	847.3	732.6	627.1	529.4	433.8	342.0	266.0	222.3	216.3
92.5°	945.1	833.1	721.1	618.4	521.2	427.2	337.6	262.8	220.2	214.7
95°	927.6	817.8	709.1	608.0	513.5	420.6	332.1	259.5	218.0	213.1
97.5°	907.9	801.4	696.0	597.1	504.2	413.5	327.2	256.8	216.9	211.4
100°	887.7	782.8	681.8	586.2	494.9	405.9	322.3	254.0	216.3	211.4
102.5°	864.8	765.9	667.6	575.2	485.7	398.8	317.4	252.4	216.3	211.4
105°	842.9	746.2	652.3	563.2	476.4	391.7	313.0	251.3	216.9	212.5
107.5°	819.4	727.7	637.0	550.7	466.0	384.6	309.2	250.2	218.0	213.6
110°	797.6	709.6	622.8	538.6	456.7	378.0	305.4	249.7	219.1	215.2

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

Scaled Data Report

REPORT NUMBER: P1223981
CATALOG NUMBER: FFX-CLB-60-727-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	773.5	690.0	606.9	525.5	446.9	370.4	301.6	248.6	220.2	216.9
115°	748.4	669.2	591.1	512.4	435.4	363.3	297.7	248.0	221.2	218.0
117.5°	721.1	646.8	572.0	497.1	423.4	354.5	292.3	245.8	221.2	218.0
120°	691.6	623.3	551.2	480.7	409.7	344.2	286.8	243.1	220.2	217.4
122.5°	659.4	595.5	527.2	460.0	394.4	332.1	278.6	238.2	217.4	214.7
125°	623.9	564.3	502.6	437.6	375.3	318.5	268.8	232.7	213.1	210.9
127.5°	586.7	532.1	473.1	414.1	357.3	303.7	258.4	224.5	207.0	204.9
130°	545.2	496.0	442.5	387.9	336.0	286.8	245.8	215.2	199.4	197.2
132.5°	505.3	460.5	412.4	363.8	313.6	270.4	232.2	204.9	191.2	189.0
135°	463.8	424.5	381.3	335.4	292.8	252.4	218.5	194.5	181.9	180.3
137.5°	423.4	390.1	349.6	309.2	271.5	234.9	205.4	184.6	173.2	172.1
140°	385.7	354.5	320.7	285.2	250.2	218.5	192.8	173.7	164.4	162.8
142.5°	349.1	322.3	291.7	261.7	229.4	202.7	180.3	163.3	155.7	154.6
145°	314.7	292.3	265.5	238.2	210.9	187.4	168.3	154.1	147.5	147.0
147.5°	282.4	263.9	240.4	217.4	194.5	174.8	157.3	146.4	140.4	139.8
150°	252.9	236.0	217.4	197.8	178.6	161.2	148.0	138.2	133.3	132.7
152.5°	225.1	212.0	196.7	180.8	164.4	150.8	138.8	131.7	127.8	127.3
155°	201.0	190.7	178.1	164.4	151.9	140.9	131.7	126.2	122.9	122.9
157.5°	180.8	172.1	162.8	151.9	141.5	132.7	126.2	121.3	118.5	118.5
160°	163.3	155.7	148.6	140.4	133.3	126.2	121.3	117.5	115.3	115.3
162.5°	148.6	143.1	137.7	131.7	125.6	121.3	116.9	114.2	113.1	112.5
165°	136.6	133.3	128.9	124.6	120.7	116.9	114.2	112.5	111.4	111.4
167.5°	127.3	125.1	121.8	119.1	116.4	113.6	112.0	110.9	110.4	110.4
170°	120.2	118.5	116.4	114.7	113.1	111.4	110.4	109.8	109.3	109.3
172.5°	114.7	113.1	112.0	111.4	110.4	109.8	109.3	108.7	108.7	108.7
175°	110.9	109.8	109.8	109.3	108.7	108.7	108.2	108.2	108.2	108.7
177.5°	108.2	108.2	108.2	108.2	108.2	108.7	108.7	108.7	109.3	109.3
180°	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

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

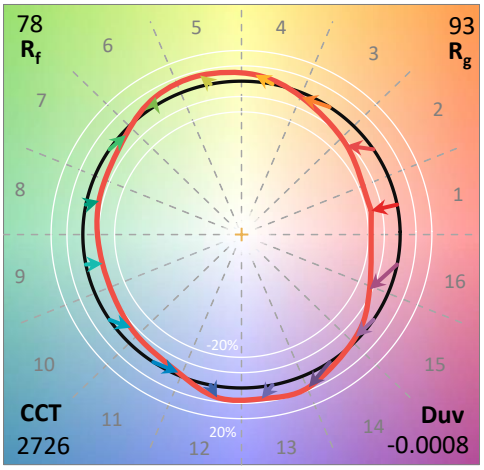
Test Information

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

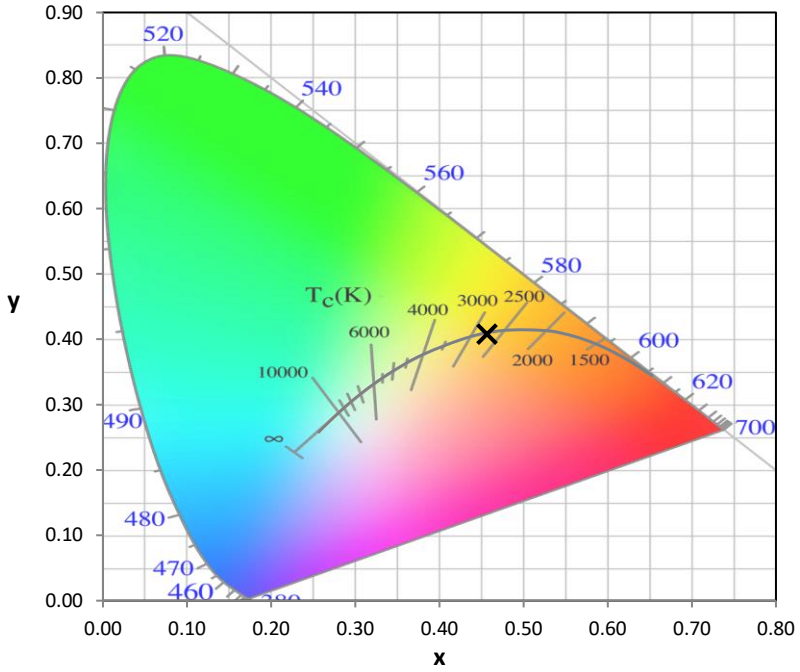
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

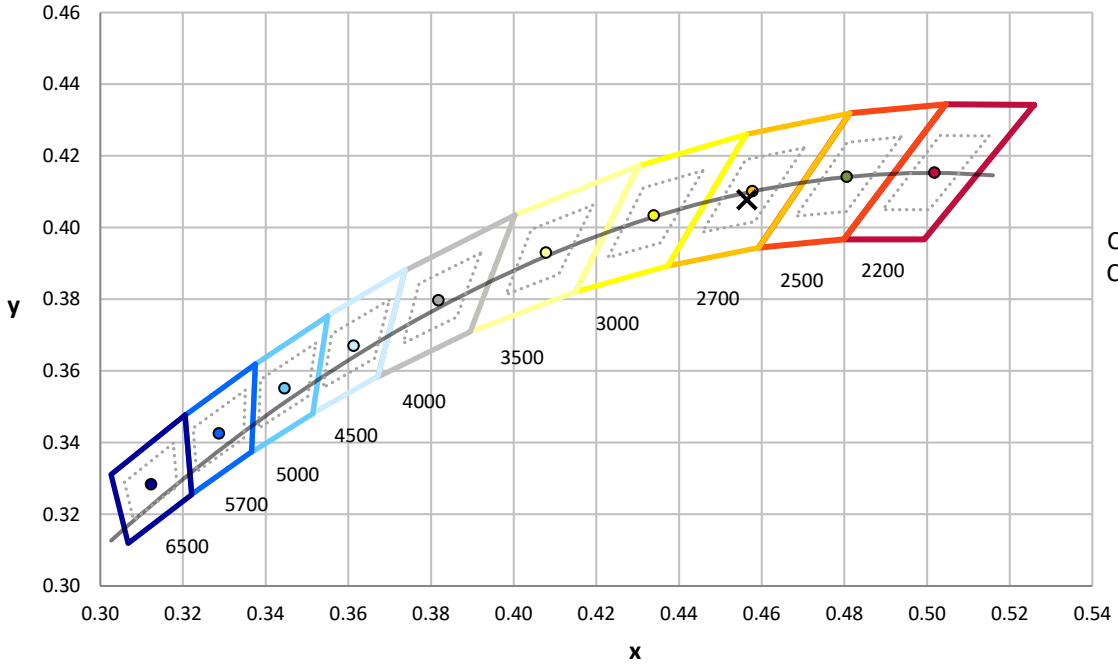
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

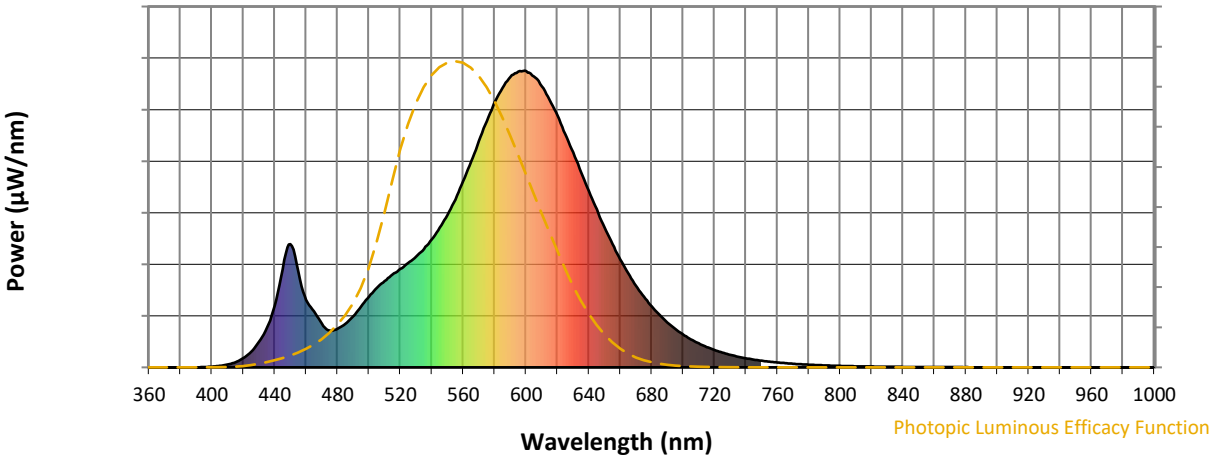


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

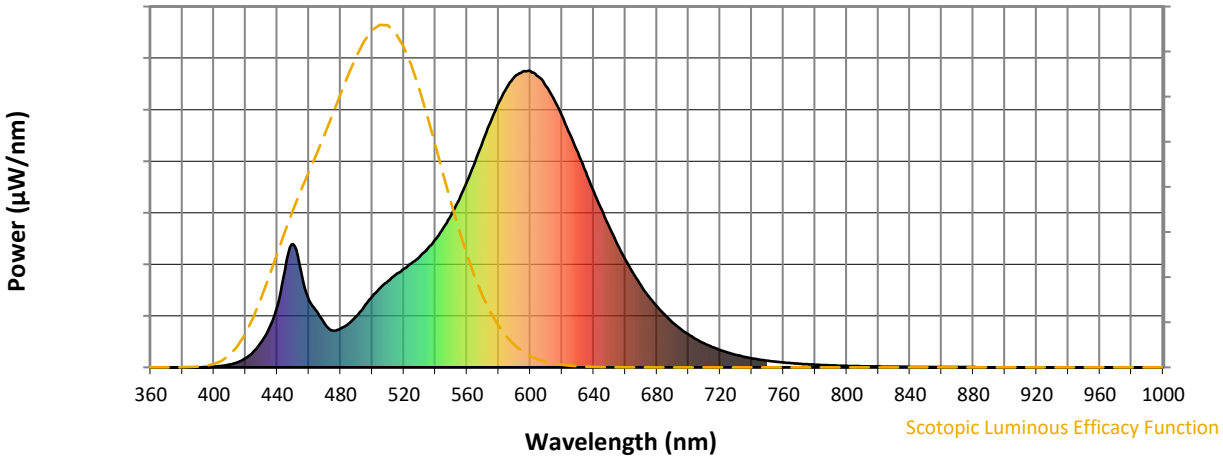


Photopic Lumens: NR

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

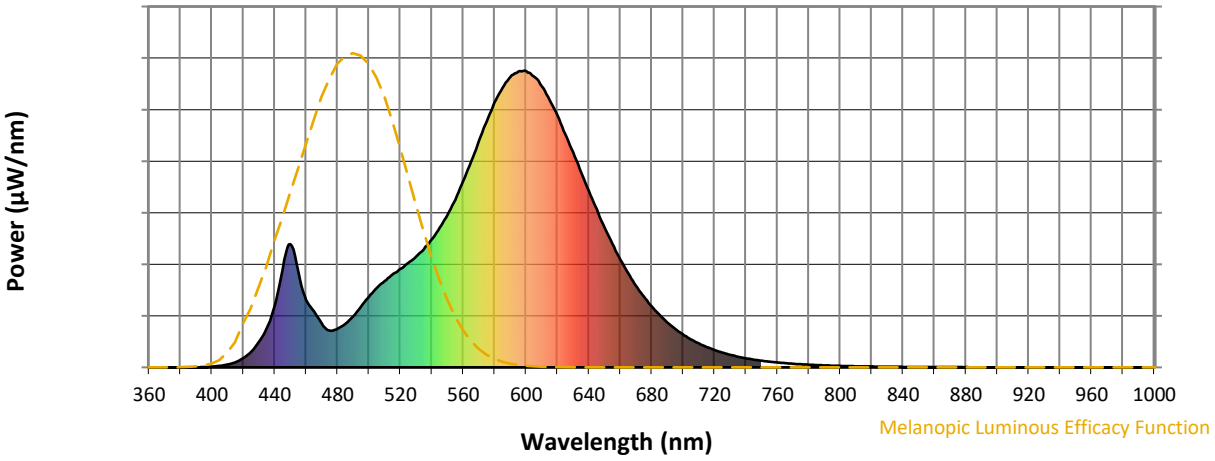


Scotopic Lumens: NR **S/P: 1.16**

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			

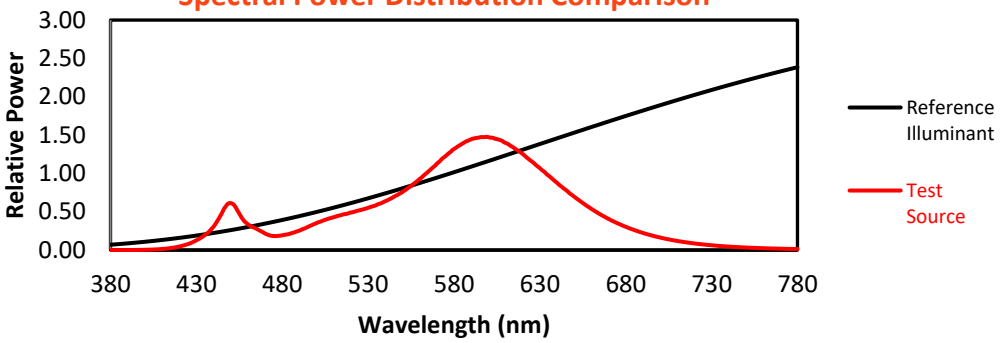
REPORT NUMBER: SP1-2501-332-3

TM-30-18

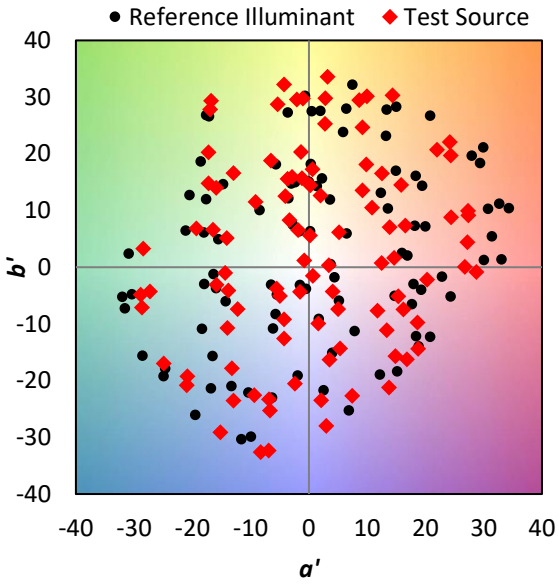
Summary

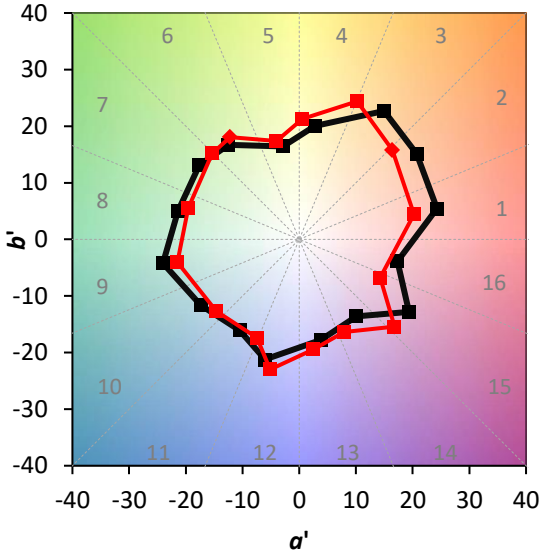
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

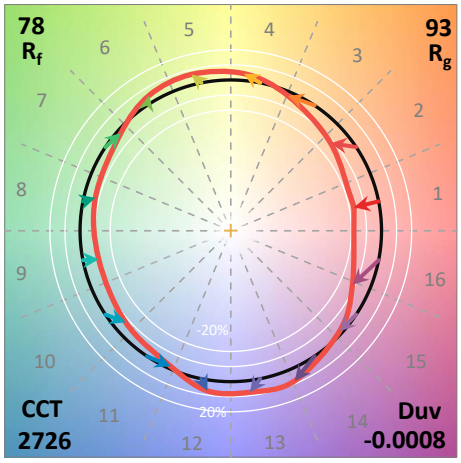
Spectral Power Distribution Comparison

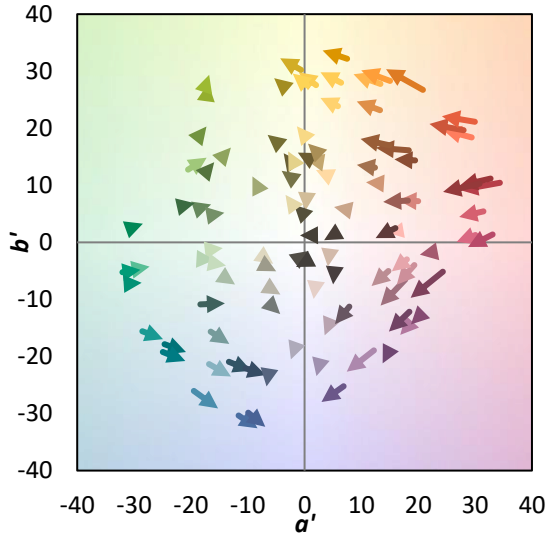


Color Vector Graphics







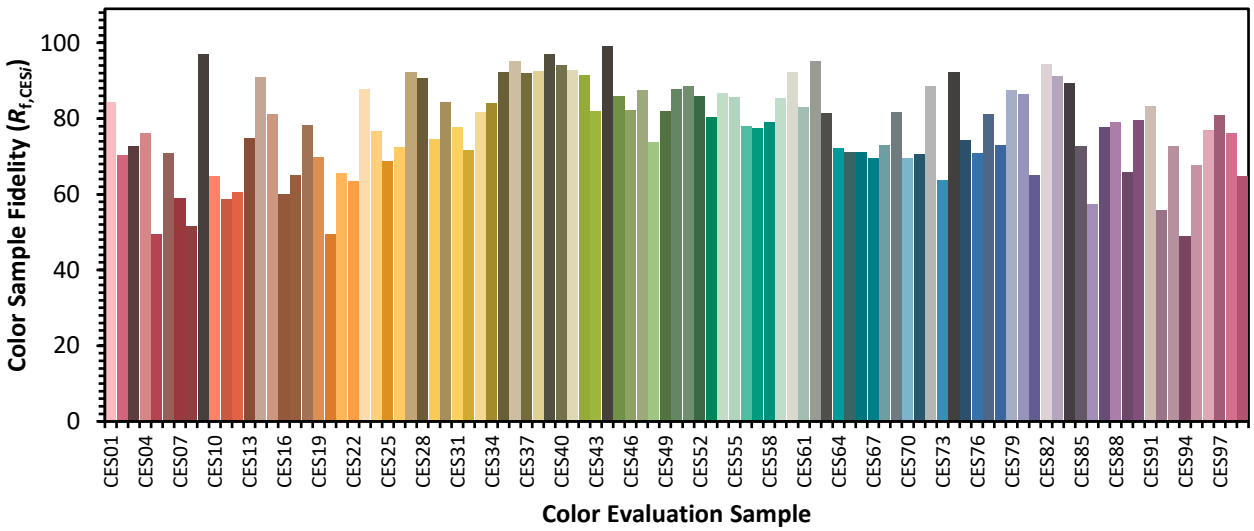


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

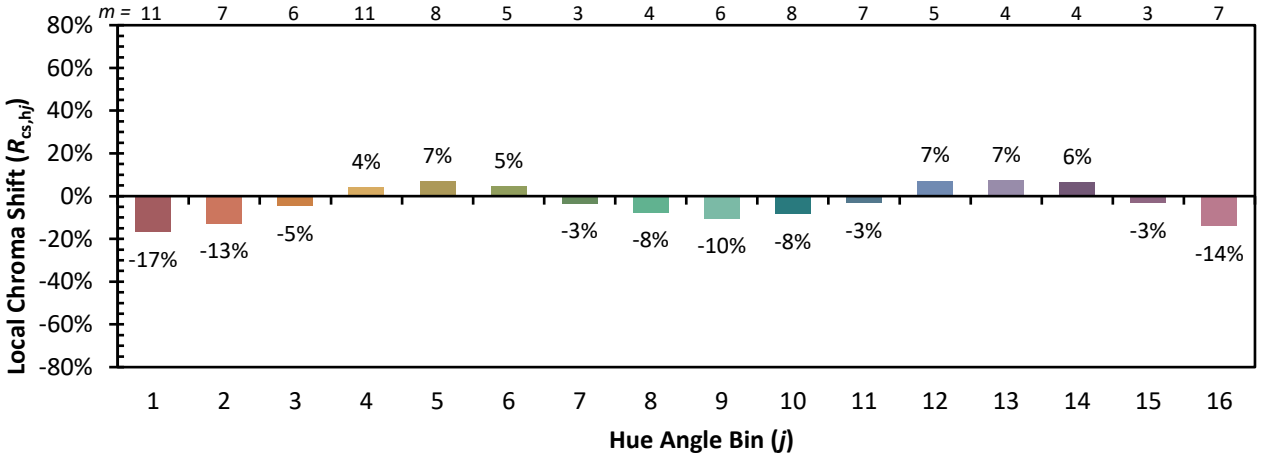
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

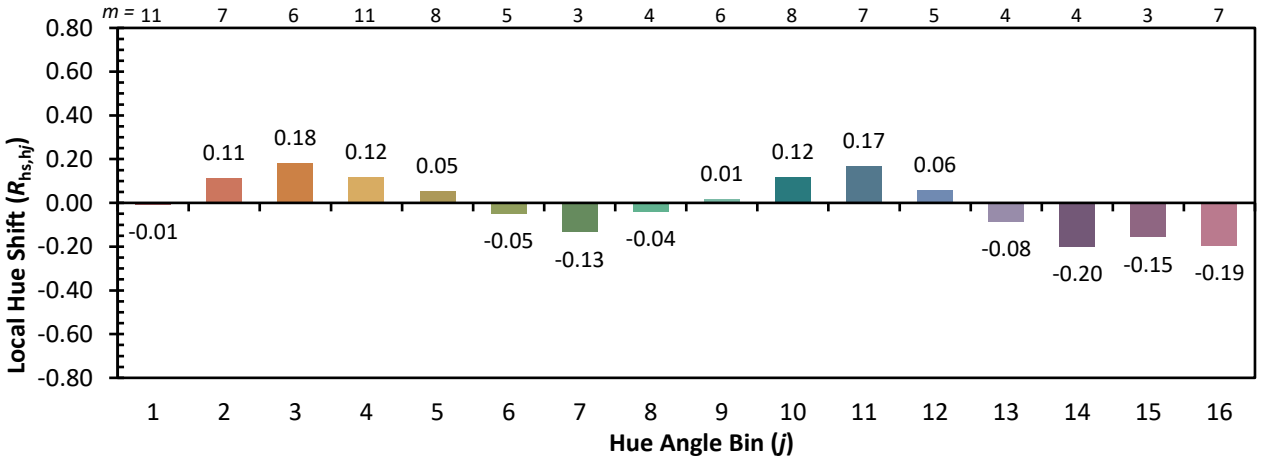


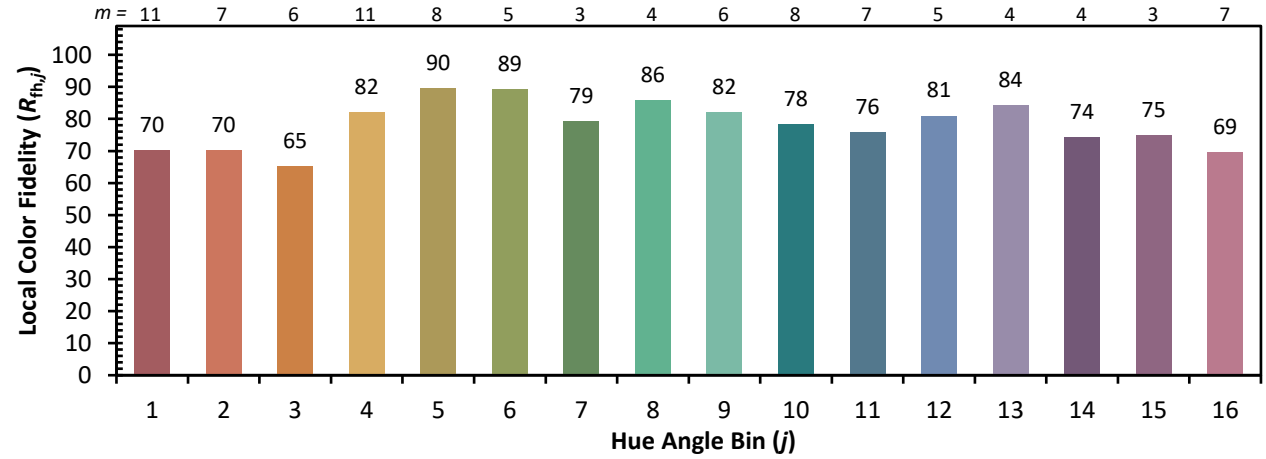
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Color Rendition by Hue-Angle Bin



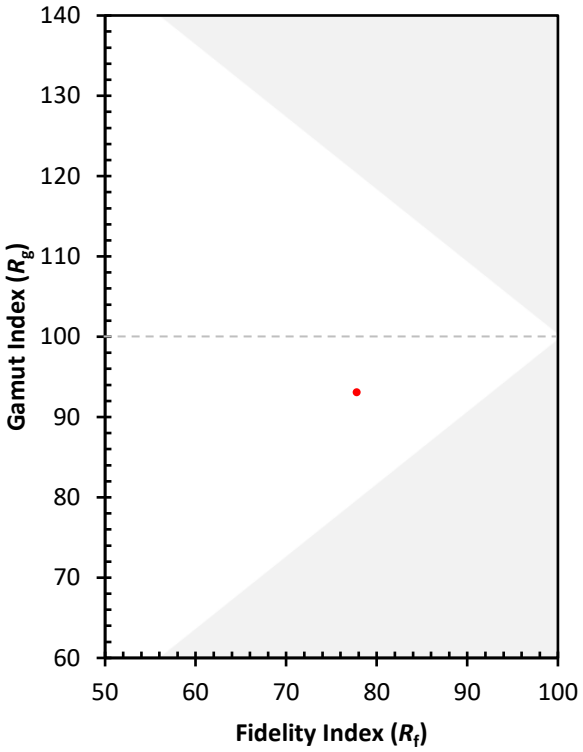


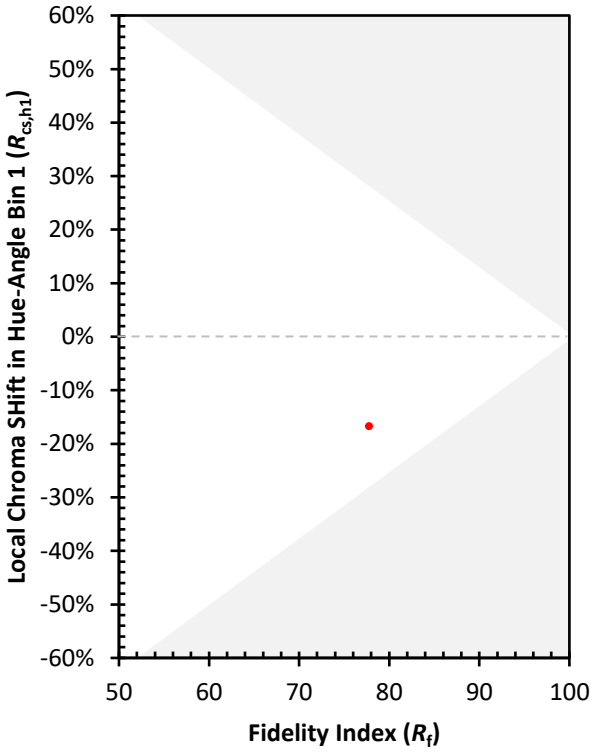


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Measure Comparisons





(END OF REPORT)