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: P1223891

Luminaire Tested: **FFX-CLB-60-727-U-VM9-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:	P1223891
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
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 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:	8605.9 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

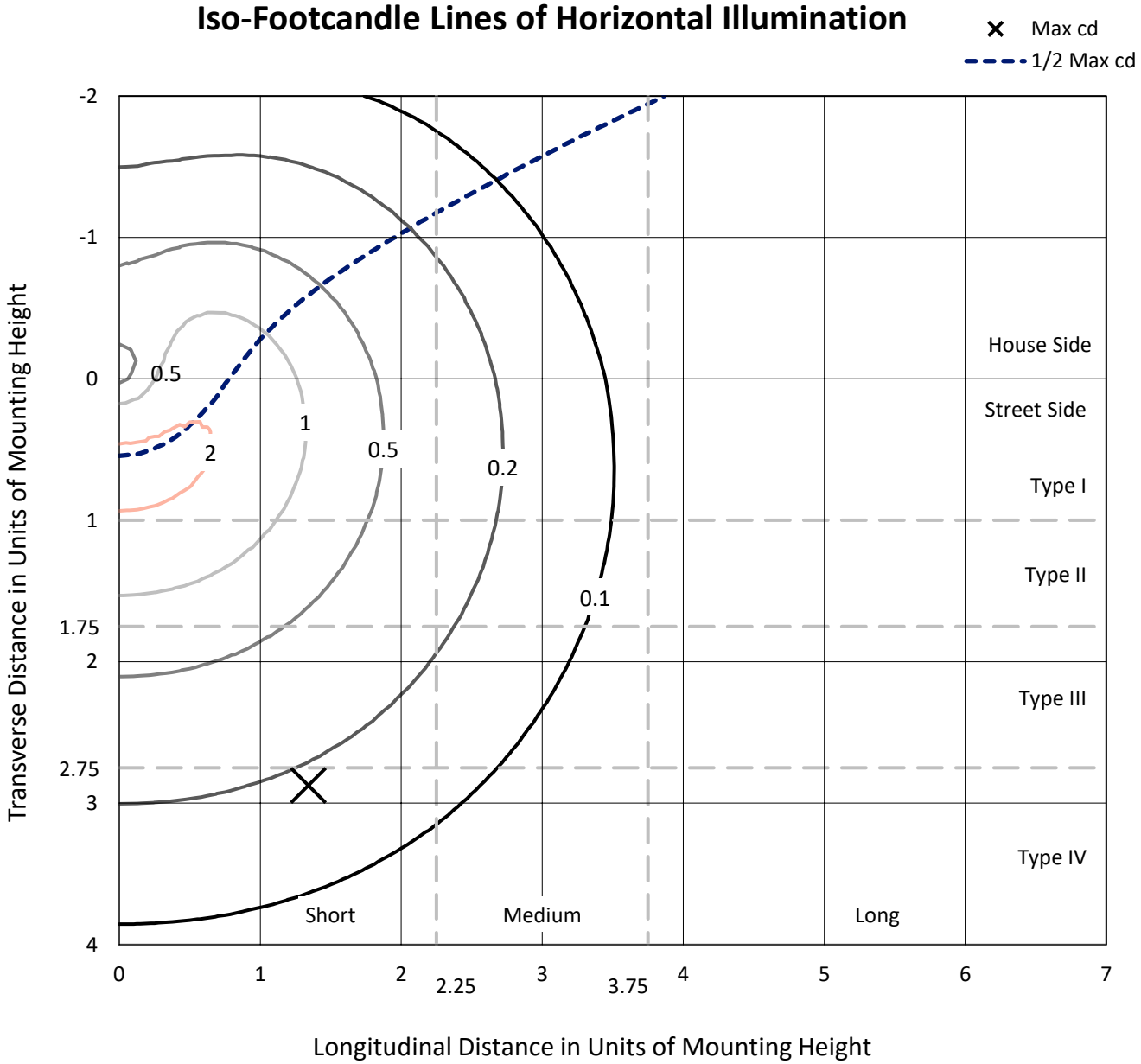


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Iso-Footcandle Lines of Horizontal Illumination



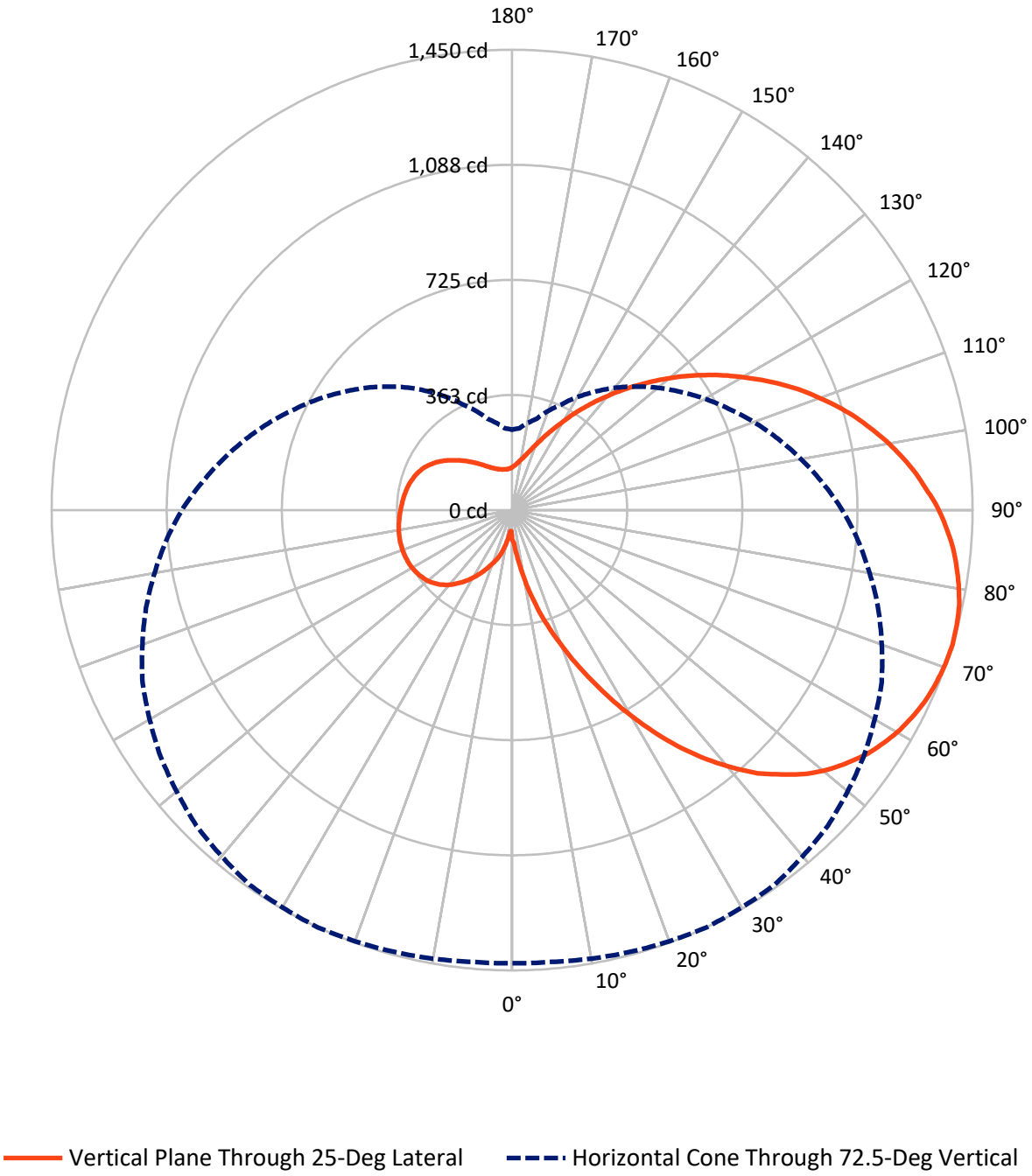
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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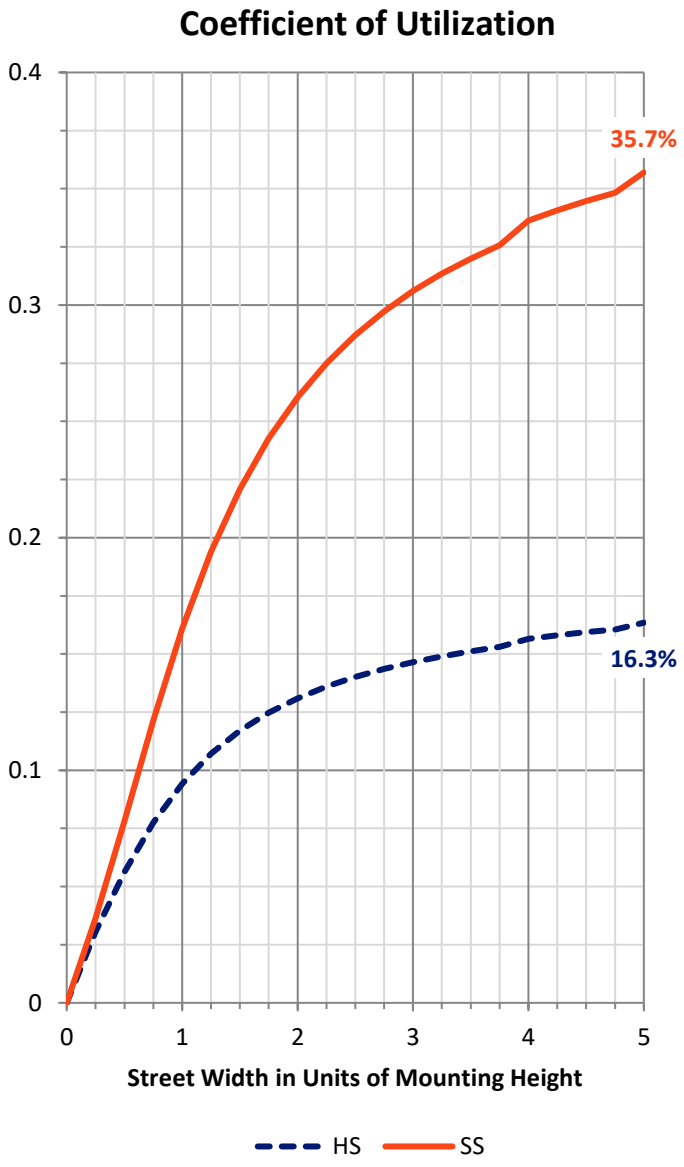
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.5	1186.5	2737.1
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	3506.8	2362.0	5868.8
	% Fixture	40.7	27.4	68.2
Total	Lumens	5057.4	3548.5	8605.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	73.0	0.8
20°-30°	199.0	2.3
30°-40°	394.4	4.6
40°-50°	615.7	7.2
50°-60°	807.0	9.4
60°-70°	941.7	10.9
70°-80°	1010.5	11.7
80°-90°	1003.8	11.7
90°-100°	931.3	10.8
100°-110°	811.0	9.4
110°-120°	656.2	7.6
120°-130°	483.0	5.6
130°-140°	319.5	3.7
140°-150°	189.0	2.2
150°-160°	99.4	1.2
160°-170°	46.0	0.5
170°-180°	13.3	0.2
0°-90°	5057.4	58.8
0°-180°	8605.9	100.0



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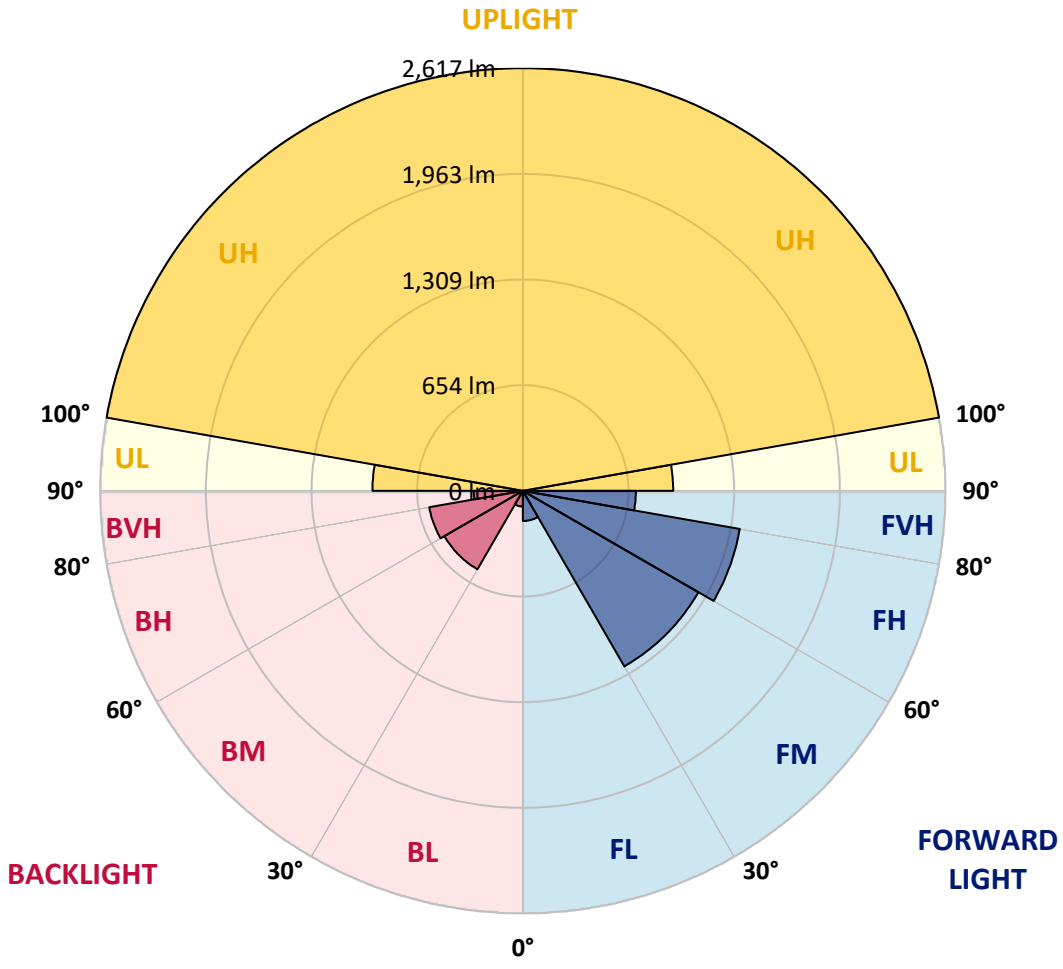
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	186.9	2.2			
FM	(30°-60°)	1256.0	14.6			
FH	(60°-80°)	1364.1	15.9			G1/1800
FVH	(80°-90°)	699.8	8.1			G4/750
BL	(0°-30°)	97.4	1.1	B0/110		
BM	(30°-60°)	561.1	6.5	B1/1000		
BH	(60°-80°)	588.1	6.8	B2/1000		G2/1000
BVH	(80°-90°)	304.0	3.5			G3/500
UL	(90°-100°)	931.3	10.8		U4/1000	
UH	(100°-180°)	2617.2	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°	93.5	93.5	93.5	*93.5*	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	100.5	100.5	102.2	*102.8*	103.4	103.4	103.9	103.4	101.0	98.1	96.4
5°	137.0	135.9	135.3	*135.9*	135.9	133.5	130.1	123.7	119.0	111.5	108.6
7.5°	183.5	182.3	180.6	*178.8*	178.8	173.0	167.2	162.0	153.9	143.4	139.9
10°	237.5	235.2	232.8	*229.4*	225.3	220.1	212.5	203.8	192.8	181.7	174.8
12.5°	290.3	289.7	288.6	*283.4*	275.8	271.2	263.0	250.8	236.9	221.8	216.0
15°	351.3	348.4	346.6	*342.6*	337.9	328.6	315.3	303.7	287.4	266.5	259.5
17.5°	407.6	406.4	403.0	*401.8*	394.3	384.4	369.3	351.9	332.1	313.0	302.5
20°	469.2	472.1	468.0	*464.5*	451.2	441.3	427.4	410.5	386.7	359.4	348.4
22.5°	537.7	540.6	534.2	*534.2*	523.2	506.9	487.2	467.4	437.8	409.4	395.4
25°	617.2	618.4	608.5	*604.4*	596.3	580.1	556.3	533.0	498.8	462.8	446.5
27.5°	692.7	695.0	689.2	*684.0*	670.6	655.0	628.8	601.5	562.6	519.7	501.7
30°	778.1	773.4	771.1	*761.8*	747.9	731.6	702.6	672.4	627.7	577.2	555.1
32.5°	853.5	850.1	851.8	*844.3*	823.9	805.9	778.6	742.1	689.8	637.0	612.0
35°	931.3	933.1	930.8	*922.6*	910.4	886.6	849.5	808.3	756.0	693.9	667.2
37.5°	1010.9	1006.8	1003.9	*997.0*	984.8	958.1	921.5	875.0	814.6	749.0	719.4
40°	1079.4	1082.3	1078.8	*1067.2*	1056.2	1026.6	986.5	933.7	871.5	801.3	767.0
42.5°	1144.4	1143.3	1140.4	*1134.0*	1118.9	1087.5	1048.1	994.1	923.8	846.0	810.0
45°	1196.7	1197.9	1197.9	*1188.6*	1174.6	1146.2	1100.9	1045.7	970.8	889.0	851.2
47.5°	1246.6	1248.4	1247.2	*1243.2*	1228.1	1194.4	1148.5	1091.6	1012.1	927.9	885.5
50°	1290.8	1290.8	1290.2	*1286.7*	1272.2	1239.7	1192.6	1131.7	1049.2	960.4	918.6
52.5°	1327.3	1326.8	1327.3	*1323.3*	1308.2	1278.6	1229.8	1164.8	1082.3	987.7	947.0
55°	1356.4	1354.6	1358.7	*1357.0*	1343.6	1310.5	1258.8	1195.5	1110.2	1013.8	970.8
57.5°	1379.6	1379.0	1384.2	*1382.5*	1369.2	1336.1	1285.0	1220.5	1133.4	1035.3	988.3
60°	1398.8	1397.6	1404.6	*1404.6*	1391.2	1358.1	1307.6	1239.7	1152.0	1052.1	1004.5
62.5°	1412.1	1412.7	1419.1	*1421.4*	1409.8	1376.1	1323.3	1256.5	1167.1	1065.5	1017.3
65°	1421.4	1422.6	1430.1	*1434.8*	1423.2	1390.1	1335.5	1268.7	1179.3	1076.5	1027.2
67.5°	1427.2	1427.8	1438.2	*1442.9*	1433.6	1398.8	1345.9	1277.4	1187.4	1083.5	1034.7
70°	1429.5	1430.1	1441.7	*1448.7*	1439.4	1404.0	1350.6	1282.1	1192.6	1088.1	1038.8
72.5°	*1427.8*	*1429.0*	*1441.2*	*1450.4*	*1441.2*	*1406.3*	*1352.3*	*1284.4*	*1193.8*	*1093.3*	*1039.9*
75°	1422.0	1423.2	1437.1	*1446.4*	1439.4	1403.4	1349.4	1282.1	1192.1	1088.7	1038.2
77.5°	1412.1	1413.9	1428.4	*1440.0*	1431.9	1397.6	1343.6	1275.7	1185.7	1082.9	1031.8
80°	1397.6	1398.2	1414.4	*1426.1*	1420.2	1386.0	1332.0	1264.6	1175.2	1073.0	1023.1
82.5°	1379.0	1381.3	1397.0	*1409.8*	1404.6	1369.2	1316.9	1250.7	1161.9	1060.8	1010.3
85°	1359.3	1361.6	1376.1	*1390.1*	1383.7	1350.6	1298.3	1232.7	1143.9	1044.0	995.8
87.5°	1335.5	1337.2	1351.2	*1365.7*	1359.9	1326.8	1276.2	1211.8	1125.3	1028.3	979.0
90°	1309.3	1311.1	1324.4	*1338.4*	1330.8	1299.5	1250.1	1186.8	1102.6	1007.4	959.8
92.5°	1281.5	1282.1	1297.2	*1304.7*	1300.6	1272.8	1224.0	1163.0	1078.8	985.9	941.2
95°	1250.1	1250.1	1264.6	*1272.8*	1265.8	1239.7	1193.8	1132.8	1051.0	963.9	918.0
97.5°	1215.9	1217.0	1228.1	*1236.2*	1233.9	1206.6	1163.0	1105.0	1026.6	940.1	896.5
100°	1180.4	1180.4	1190.3	*1197.3*	1192.1	1170.0	1128.8	1075.3	995.8	914.5	872.1
102.5°	1143.3	1142.7	1150.8	*1156.1*	1152.6	1132.3	1093.9	1041.1	966.8	887.8	847.7
105°	1102.1	1100.3	1108.4	*1114.3*	1110.8	1092.8	1060.3	1009.2	937.2	861.7	823.3
107.5°	1057.9	1060.8	1065.5	*1069.0*	1066.1	1050.4	1019.6	974.3	906.4	834.4	797.2
110°	1016.1	1017.9	1018.4	*1022.5*	1021.9	1009.2	983.0	937.7	873.3	805.3	769.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	973.7	973.2	973.7	*976.6*	976.6	963.9	938.9	899.4	840.8	774.6	741.5
115°	927.9	925.5	926.1	*926.7*	929.0	919.2	897.7	860.5	803.0	744.4	711.9
117.5°	880.3	879.7	878.5	*876.8*	876.8	872.7	854.1	821.0	766.4	708.4	681.1
120°	835.0	832.6	829.7	*828.0*	829.2	824.5	809.4	776.3	728.1	675.9	648.6
122.5°	782.7	784.4	782.7	*780.4*	781.0	776.3	763.5	735.7	687.5	637.5	613.2
125°	738.0	737.4	735.1	*731.6*	731.6	729.9	715.9	691.5	648.6	601.0	578.3
127.5°	688.1	688.6	686.3	*684.6*	685.7	682.3	673.0	645.1	607.4	565.0	542.9
130°	641.0	640.4	639.9	*636.4*	639.3	632.9	624.8	601.5	565.5	529.5	509.2
132.5°	596.9	593.4	591.1	*590.5*	589.9	589.4	579.5	559.2	529.0	493.0	473.2
135°	552.8	549.9	547.0	*545.8*	547.0	544.1	535.4	518.5	490.6	455.8	440.7
137.5°	507.5	506.3	506.3	*503.4*	503.4	501.1	493.5	479.6	453.5	423.3	408.2
140°	466.8	464.5	463.4	*461.6*	463.4	461.0	452.9	439.5	417.5	391.4	376.8
142.5°	425.0	422.7	424.4	*422.7*	421.0	419.8	412.8	402.4	383.2	359.4	347.2
145°	386.1	386.1	385.0	*385.5*	384.4	383.2	376.3	366.4	350.1	328.1	319.4
147.5°	349.5	350.7	349.5	*350.7*	350.7	346.1	341.4	333.3	318.2	300.8	291.5
150°	315.3	317.0	315.9	*315.3*	315.9	313.5	307.2	302.5	289.2	274.1	264.8
152.5°	286.3	287.4	287.4	*286.3*	285.7	284.5	278.1	271.7	261.3	249.7	243.3
155°	259.0	259.0	259.5	*260.1*	258.4	254.9	252.6	247.4	238.1	227.6	221.2
157.5°	236.3	235.7	236.3	*235.7*	235.2	231.7	228.2	224.1	216.6	207.3	203.8
160°	214.8	214.8	215.4	*214.8*	212.5	210.8	207.9	204.4	198.0	191.6	187.0
162.5°	197.4	197.4	197.4	*196.8*	194.5	193.9	190.5	187.0	181.7	176.5	173.0
165°	182.3	182.3	181.7	*181.7*	180.6	178.8	175.9	173.0	168.4	164.3	162.0
167.5°	170.1	169.5	169.0	*168.4*	167.8	166.1	163.2	161.4	157.9	154.5	152.7
170°	159.7	159.7	159.1	*159.1*	157.9	156.2	154.5	152.1	149.8	146.3	145.2
172.5°	150.4	150.4	150.4	*150.4*	148.6	148.1	146.3	144.6	142.8	140.5	139.4
175°	143.4	143.4	143.4	*143.4*	142.3	141.1	140.5	138.8	137.6	135.9	135.3
177.5°	138.2	138.2	138.2	*138.2*	137.6	136.5	135.9	134.7	133.5	133.0	132.4
180°	133.5	133.5	133.5	*133.5*	133.5	133.5	133.5	133.5	133.5	133.5	133.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	94.6	91.2	86.5	81.3	77.2	72.0	66.8	63.9	62.1	61.0
5°	105.7	98.1	91.2	83.6	77.8	72.6	66.8	62.1	59.8	59.2
7.5°	134.7	124.3	113.8	104.5	96.4	88.3	82.5	77.8	74.9	74.9
10°	169.5	155.0	142.8	130.6	119.6	109.7	101.6	97.0	93.5	92.3
12.5°	209.0	191.6	174.8	160.8	144.6	133.5	123.7	117.3	113.2	112.6
15°	250.3	232.3	210.8	191.6	173.6	156.2	144.6	135.3	131.8	131.8
17.5°	289.7	266.5	242.7	219.5	197.4	177.1	160.8	150.4	145.2	144.0
20°	332.1	304.3	273.5	246.2	218.9	195.1	175.9	162.6	155.6	155.0
22.5°	375.7	343.2	310.1	274.1	242.7	214.3	191.6	175.9	167.2	166.1
25°	425.6	386.1	346.6	307.2	269.4	235.7	209.0	189.9	180.0	178.8
27.5°	480.8	431.4	384.4	339.1	295.0	257.8	225.9	203.8	191.6	191.0
30°	531.3	476.7	423.3	371.0	322.8	278.1	242.7	217.2	203.8	202.1
32.5°	581.8	521.4	461.0	403.5	347.8	299.6	259.5	229.9	214.3	213.1
35°	634.1	565.5	499.9	433.7	375.7	321.1	275.2	242.7	225.9	223.5
37.5°	682.8	609.1	537.1	466.8	400.1	340.8	290.3	254.9	235.7	232.8
40°	727.5	648.0	570.8	495.3	423.3	359.4	304.8	265.4	243.9	241.5
42.5°	768.8	684.6	601.5	520.3	444.8	375.7	317.0	274.1	250.3	247.9
45°	807.7	718.8	630.0	543.5	463.4	390.8	328.6	282.2	256.6	253.2
47.5°	840.8	747.9	652.6	563.2	480.2	403.5	337.4	288.0	261.3	257.8
50°	870.4	772.3	674.1	582.4	494.7	415.2	345.5	292.6	263.6	260.1
52.5°	894.2	794.9	692.7	597.5	508.1	424.4	351.3	296.7	265.9	262.4
55°	917.4	813.5	709.0	610.8	517.9	433.2	355.9	299.0	267.1	263.0
57.5°	936.6	829.2	722.3	621.3	527.8	439.0	360.0	300.2	267.1	262.4
60°	950.5	841.3	732.8	630.0	534.2	444.2	362.9	300.8	266.5	261.9
62.5°	962.7	851.2	740.3	637.5	540.6	448.3	365.8	301.4	265.4	260.7
65°	972.0	859.3	746.7	642.2	544.6	451.7	366.4	300.8	263.6	259.0
67.5°	979.5	864.6	750.8	646.3	547.5	453.5	367.5	300.2	262.4	257.2
70°	982.4	866.9	753.1	648.0	549.3	454.6	367.5	299.0	260.1	254.9
72.5°	*981.9*	*866.9*	*753.7*	*648.6*	*549.9*	*455.2*	*367.0*	*297.3*	*258.4*	*253.2*
75°	980.1	865.2	752.5	648.0	549.3	454.6	366.4	296.1	256.6	252.0
77.5°	975.5	860.5	748.4	645.7	548.1	452.9	364.6	295.0	255.5	249.7
80°	967.3	853.5	742.6	640.4	544.1	451.2	362.9	292.6	253.2	248.5
82.5°	955.7	844.8	735.7	635.8	540.6	447.7	360.6	291.5	252.0	247.4
85°	942.4	833.8	726.4	628.8	535.4	444.2	357.7	289.2	250.8	246.2
87.5°	926.1	819.3	717.1	620.7	529.0	439.5	354.8	287.4	250.3	245.6
90°	909.3	805.9	705.5	613.2	523.7	434.9	351.9	286.3	249.7	245.6
92.5°	890.7	791.4	694.4	603.3	516.8	430.3	349.0	285.1	249.7	245.6
95°	872.1	776.3	683.4	594.6	509.8	425.6	346.1	284.5	250.8	246.8
97.5°	850.1	758.9	670.1	585.3	501.7	420.4	343.7	283.9	251.4	247.9
100°	829.2	741.5	656.1	574.8	494.1	414.6	340.3	283.4	252.6	248.5
102.5°	806.5	724.6	642.2	563.8	486.0	408.2	337.4	282.8	253.7	250.3
105°	783.9	704.3	627.1	551.0	476.1	401.8	333.9	282.2	254.3	250.8
107.5°	758.9	685.2	610.3	538.8	466.3	394.8	329.2	281.0	254.9	251.4
110°	733.3	662.5	592.8	524.9	454.6	386.1	324.6	278.1	254.3	251.4

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

Scaled Data Report

REPORT NUMBER: P1223891
CATALOG NUMBER: FFX-CLB-60-727-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	709.0	641.0	573.7	509.2	442.4	377.4	318.2	275.2	252.6	250.3
115°	678.8	616.6	553.4	492.4	428.5	366.4	311.2	271.2	250.3	247.4
117.5°	650.9	591.1	531.9	474.4	414.0	355.4	303.1	265.9	246.2	243.9
120°	619.5	563.8	508.6	454.1	397.7	342.6	293.2	259.5	241.0	239.2
122.5°	588.8	537.1	484.8	433.2	380.3	328.1	283.4	251.4	235.2	233.4
125°	556.3	508.6	459.9	411.1	361.2	313.0	271.7	242.1	227.6	225.9
127.5°	523.2	479.0	433.2	387.9	342.6	297.9	259.5	232.8	218.9	218.3
130°	488.3	448.8	407.0	365.2	323.4	282.2	246.8	223.0	210.2	209.0
132.5°	457.0	420.4	381.5	342.0	302.5	266.5	234.6	212.5	201.5	200.3
135°	426.2	389.6	355.9	321.1	284.5	250.8	222.4	202.6	192.8	191.6
137.5°	394.8	362.9	331.5	299.0	265.9	235.7	210.8	193.4	184.6	183.5
140°	363.5	336.8	308.3	277.5	249.1	221.8	199.2	184.6	176.5	175.4
142.5°	335.0	309.5	283.9	257.2	231.7	208.5	188.7	174.8	167.8	167.2
145°	307.2	285.1	261.9	238.1	216.0	196.8	178.8	167.2	161.4	160.8
147.5°	282.2	262.4	241.5	221.2	202.1	184.1	169.5	159.7	153.9	153.3
150°	257.2	239.8	222.4	205.0	188.7	173.6	160.8	152.7	148.6	147.5
152.5°	235.2	221.2	205.5	191.0	176.5	163.7	153.9	146.3	142.8	142.3
155°	215.4	203.8	191.0	178.3	166.6	156.2	147.5	141.7	138.8	138.8
157.5°	198.6	188.7	178.3	167.8	158.5	149.8	142.8	138.2	135.9	135.3
160°	183.5	174.8	166.6	159.1	150.4	144.0	138.8	134.7	133.0	132.4
162.5°	169.5	163.7	157.4	151.0	144.6	139.4	135.3	132.4	131.2	131.2
165°	159.7	154.5	149.2	144.6	139.9	136.5	133.0	131.2	130.1	129.5
167.5°	151.0	146.9	143.4	139.9	136.5	133.5	131.2	130.1	128.9	128.9
170°	144.0	141.1	138.8	136.5	134.1	131.8	130.6	129.5	128.9	128.9
172.5°	138.2	136.5	134.7	133.5	131.8	130.6	129.5	128.9	128.9	128.9
175°	134.7	133.5	132.4	131.8	131.2	130.6	130.1	129.5	129.5	129.5
177.5°	132.4	131.8	131.8	131.2	131.2	131.2	131.2	131.2	131.2	131.2
180°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5

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

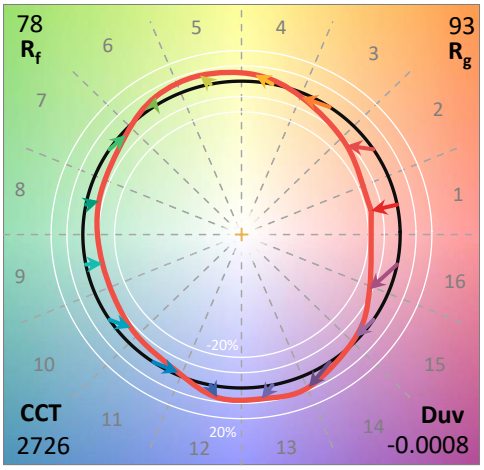
Test Information

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

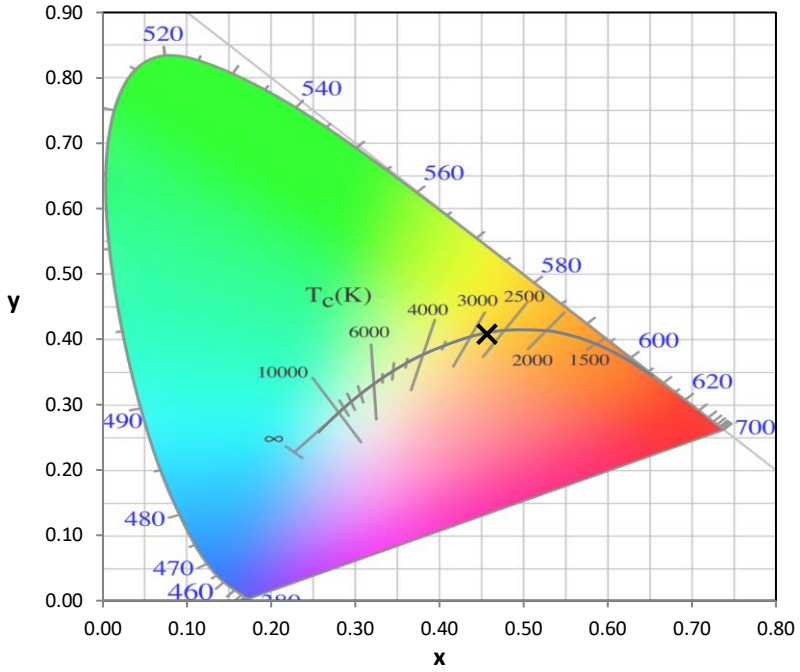
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

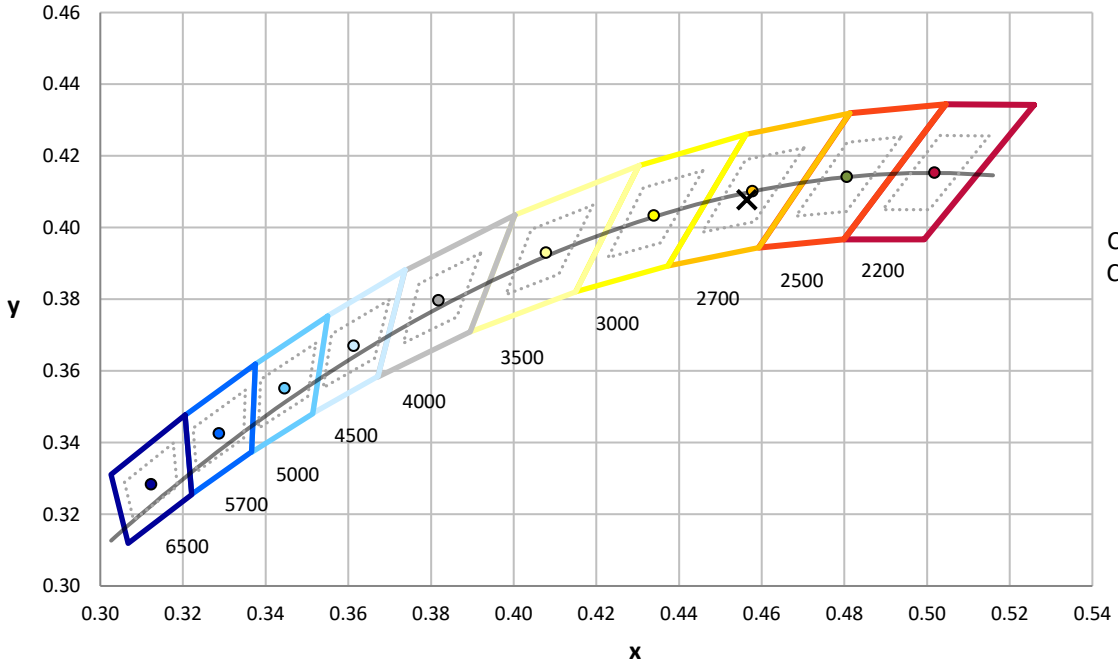
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

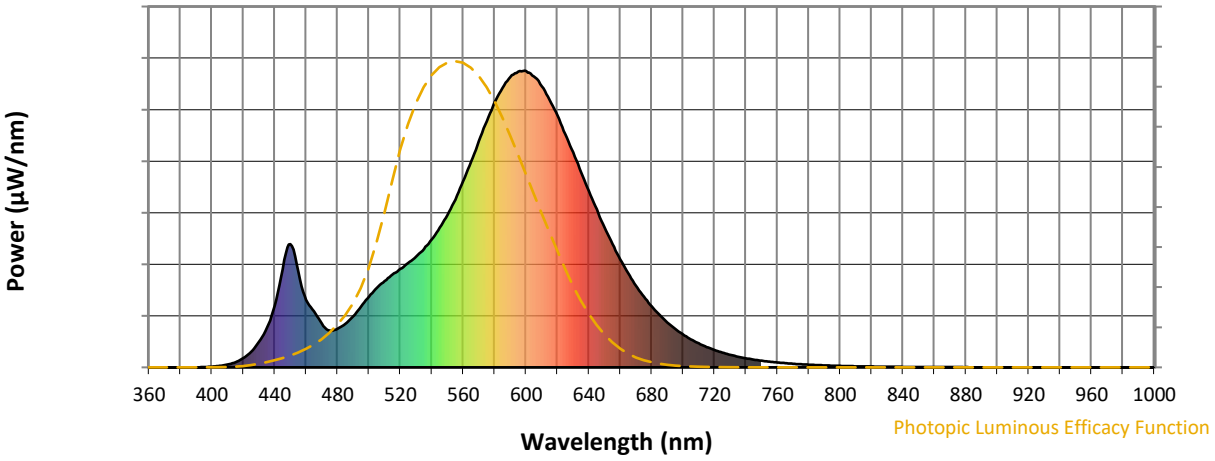


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

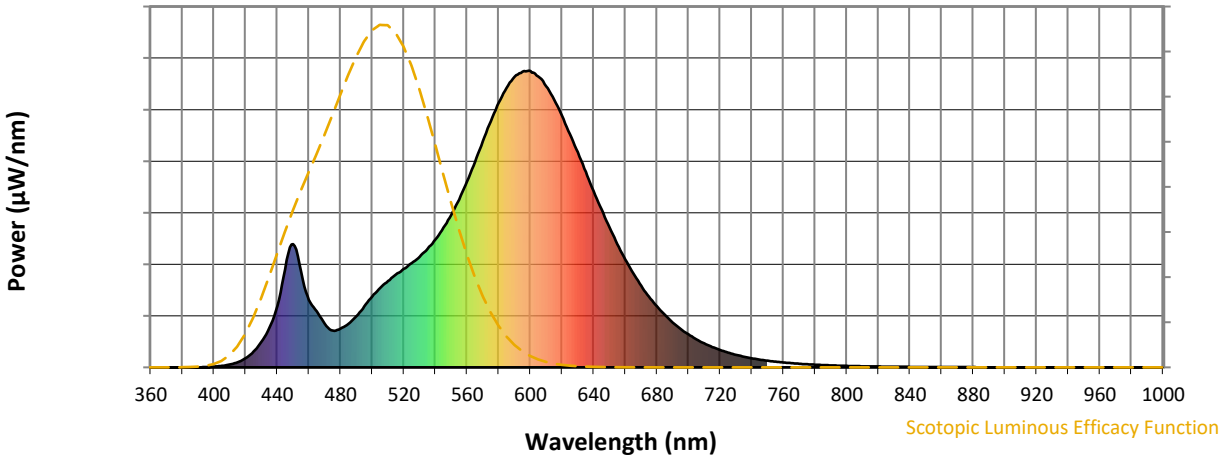


Photopic Lumens: NR

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

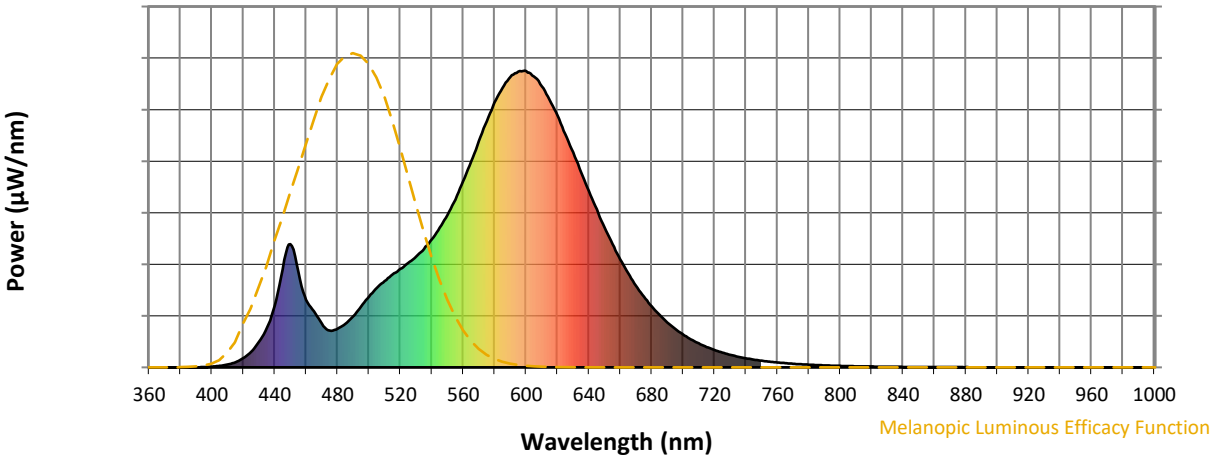


Scotopic Lumens: NR **S/P: 1.16**

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			

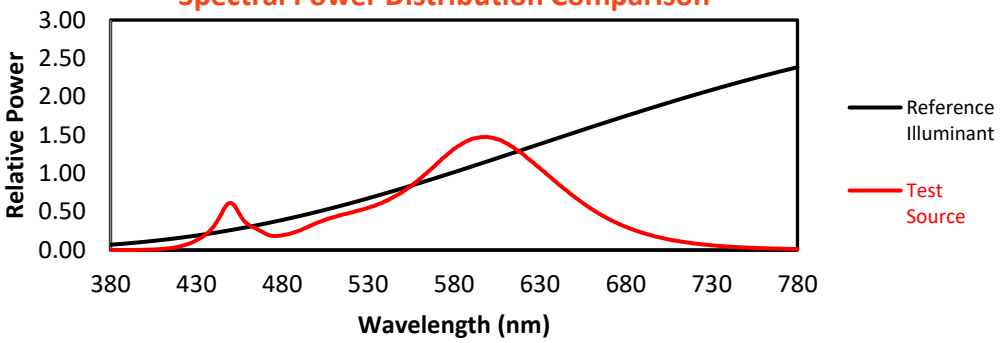
REPORT NUMBER: SP1-2501-332-3

TM-30-18

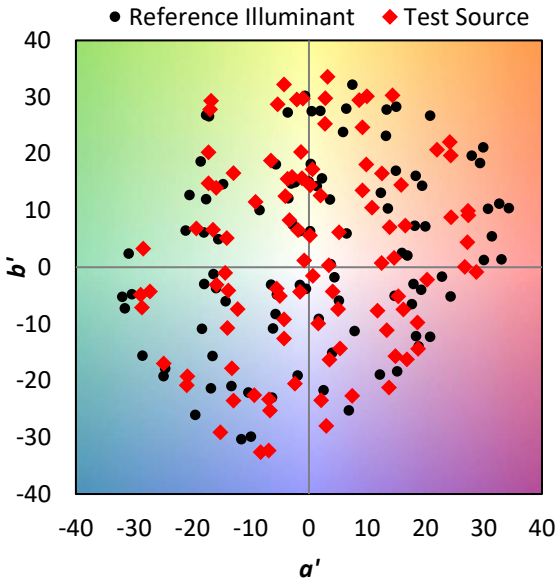
Summary

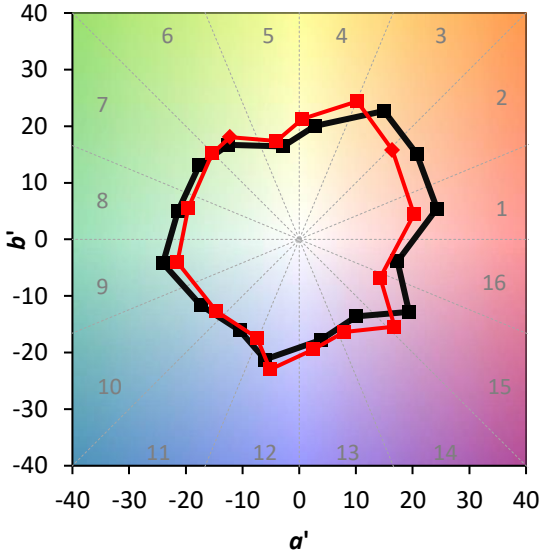
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

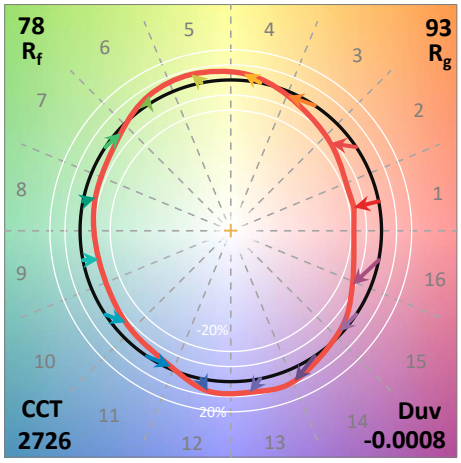
Spectral Power Distribution Comparison

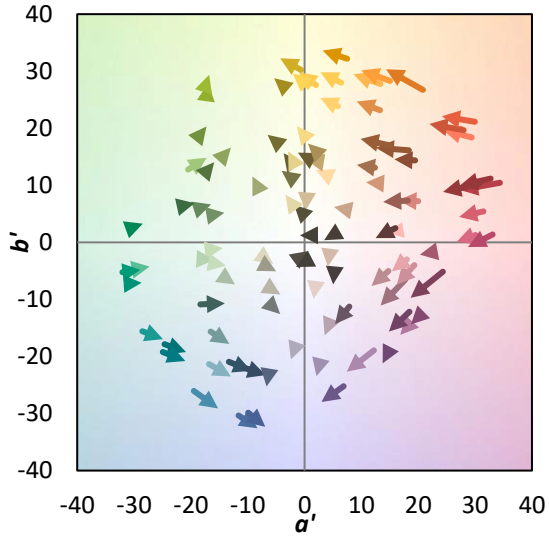


Color Vector Graphics







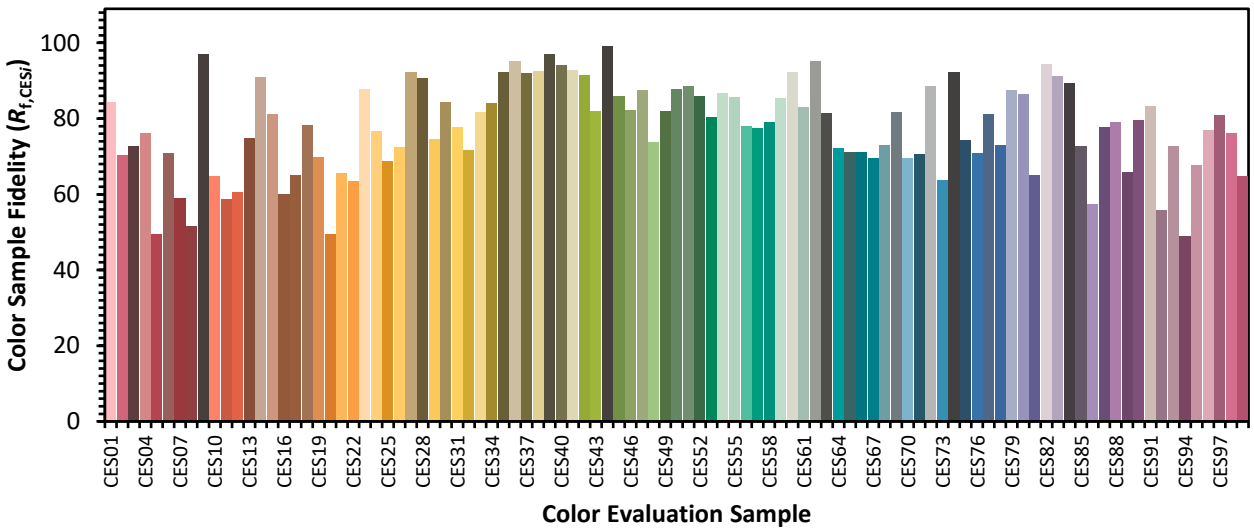


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

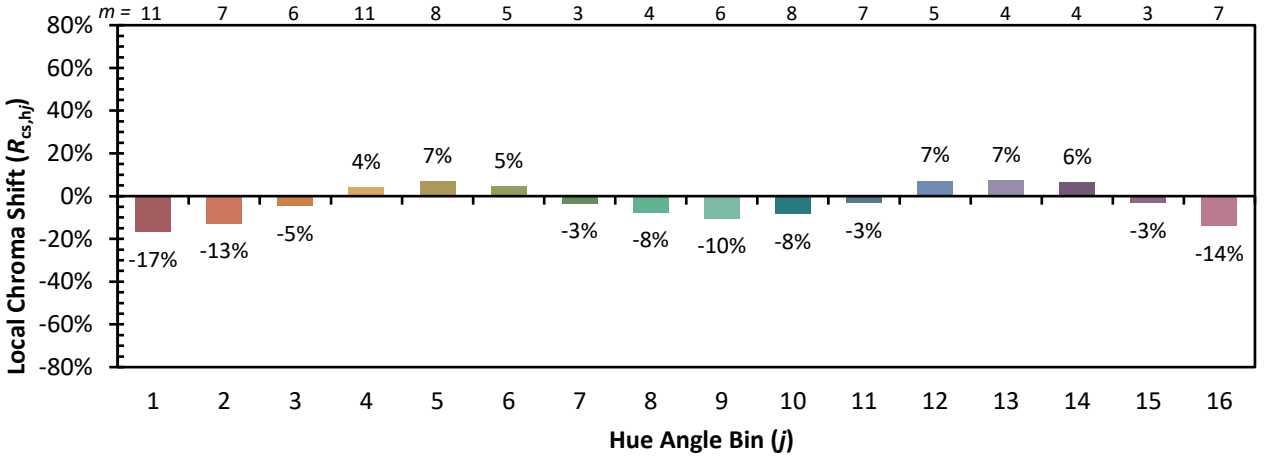
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

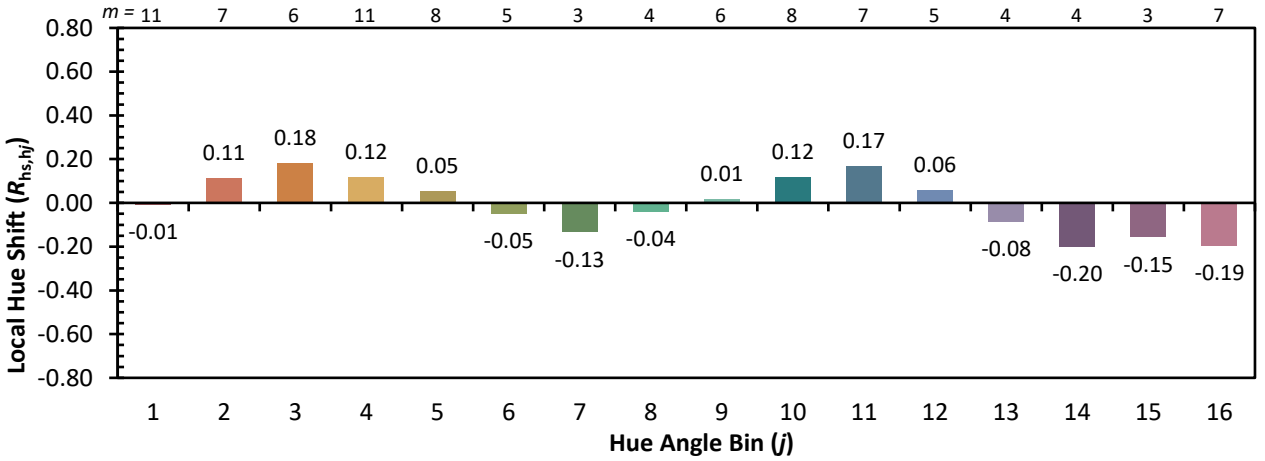


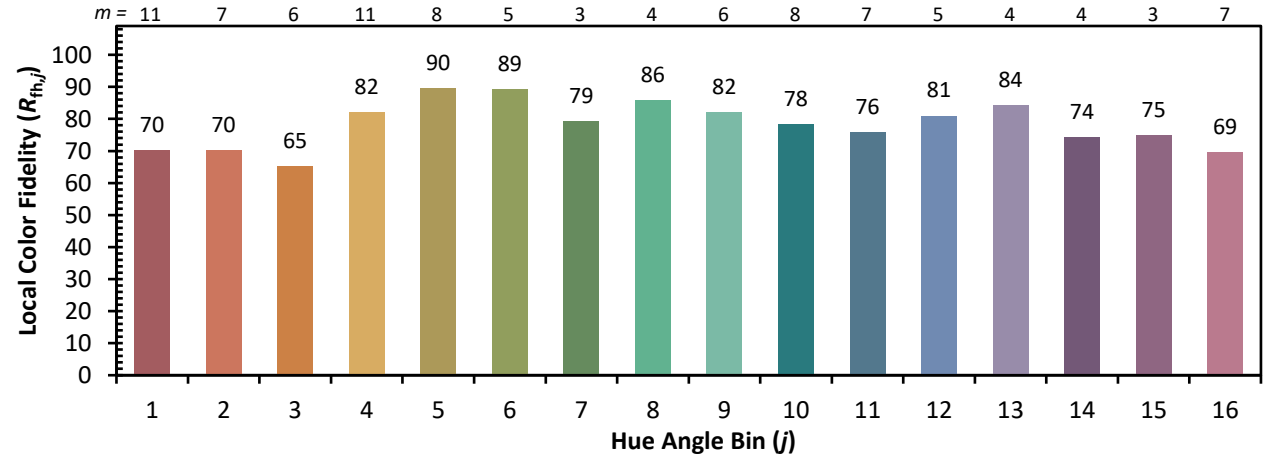
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Color Rendition by Hue-Angle Bin



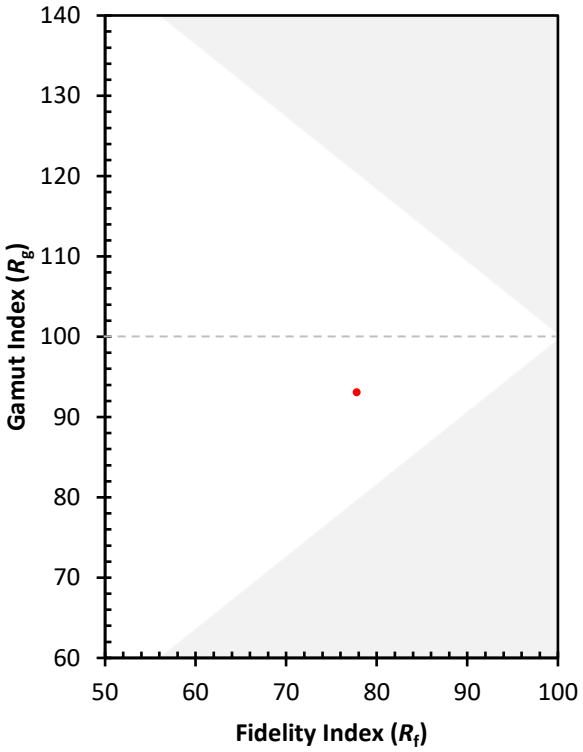


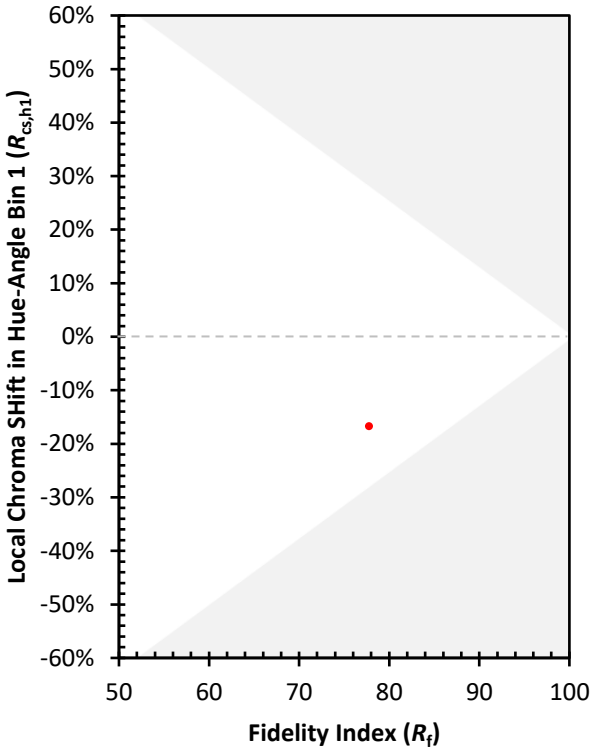


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Measure Comparisons





(END OF REPORT)