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: P1223900

Luminaire Tested: **FFX-CLB-60-730-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:	P1223900
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-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 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:	9083.9 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

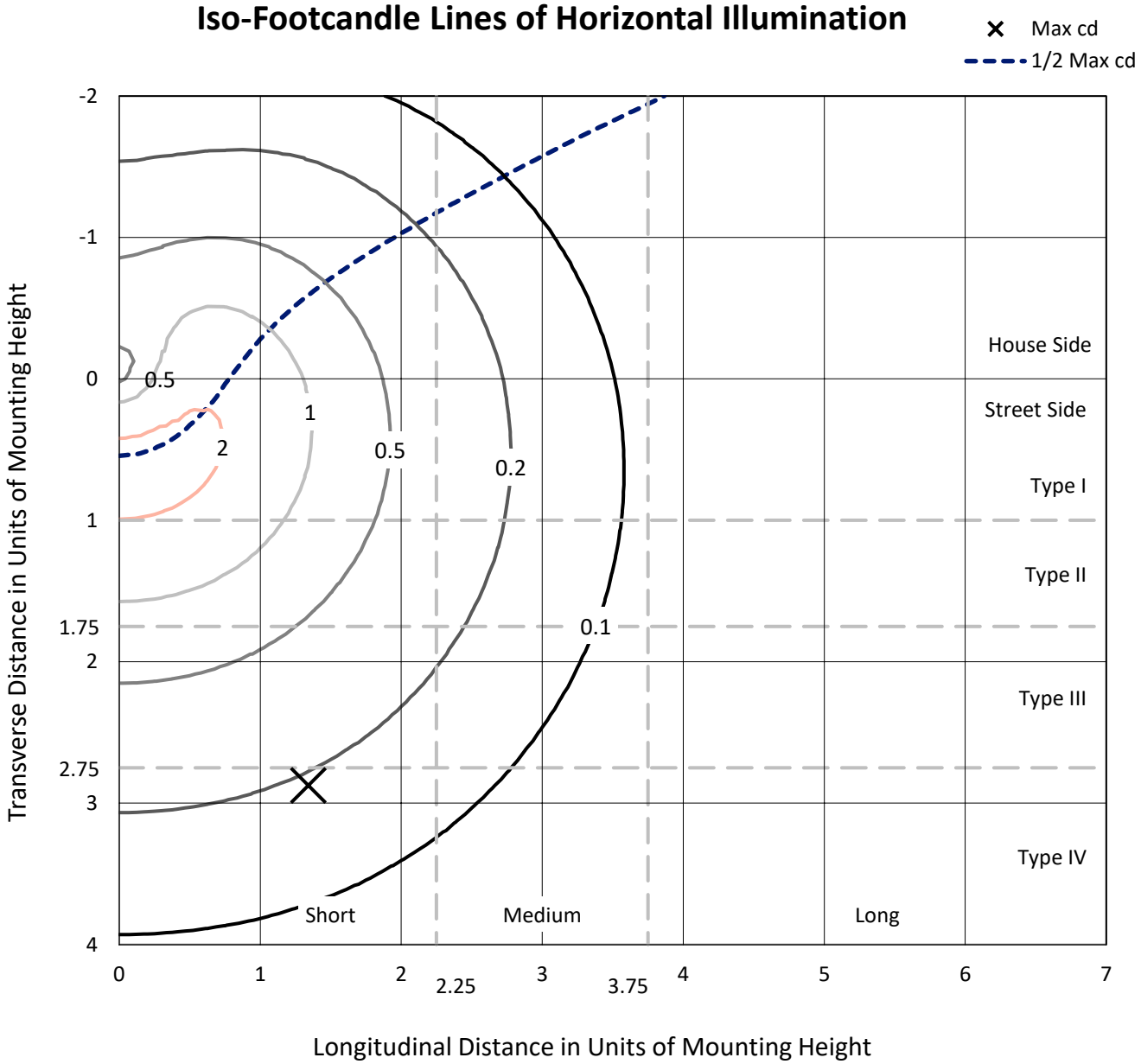


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Iso-Footcandle Lines of Horizontal Illumination



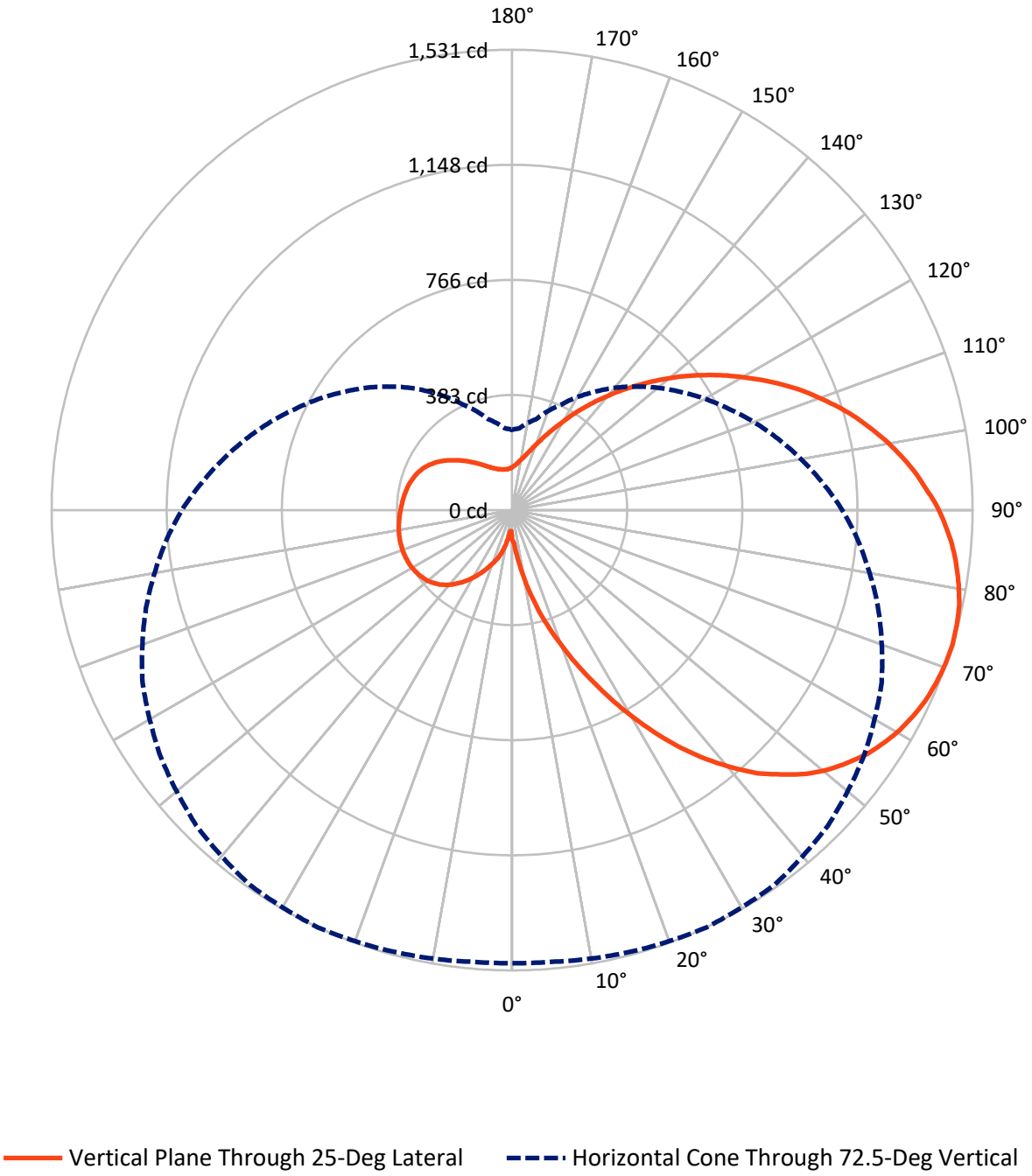
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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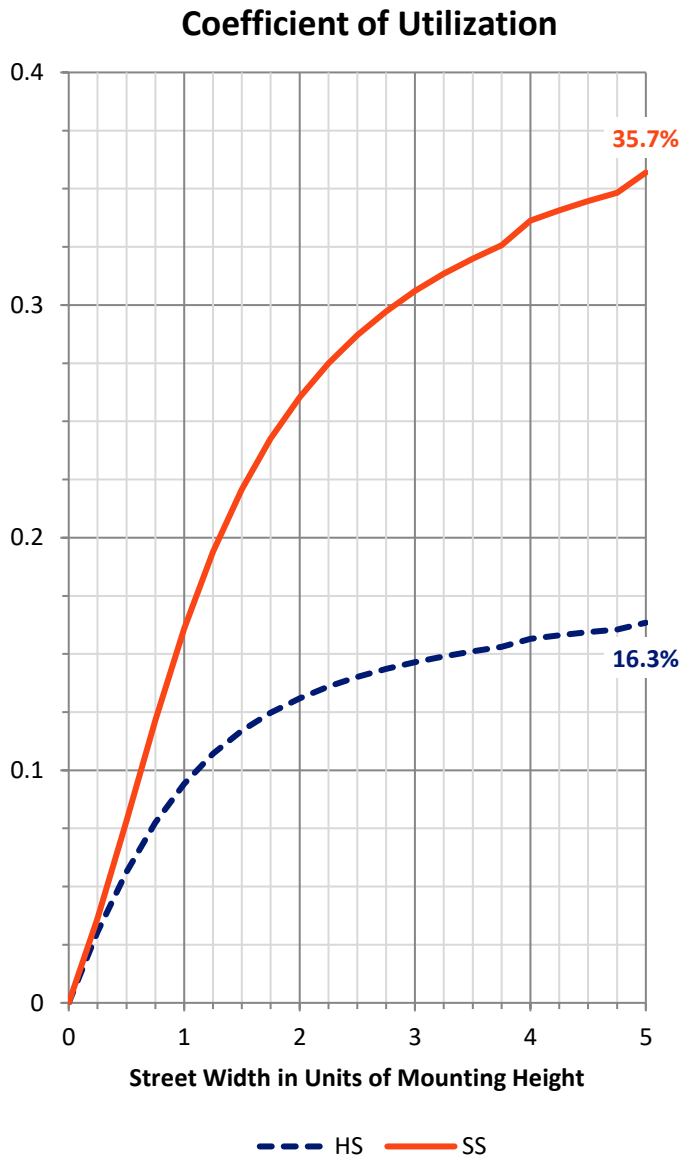
REPORT NUMBER: P1223900
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1636.7	1252.5	2889.1
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	3701.6	2493.2	6194.8
	% Fixture	40.7	27.4	68.2
Total	Lumens	5338.3	3745.6	9083.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.1
10°-20°	77.1	0.8
20°-30°	210.1	2.3
30°-40°	416.3	4.6
40°-50°	649.9	7.2
50°-60°	851.8	9.4
60°-70°	994.0	10.9
70°-80°	1066.6	11.7
80°-90°	1059.5	11.7
90°-100°	983.0	10.8
100°-110°	856.0	9.4
110°-120°	692.6	7.6
120°-130°	509.9	5.6
130°-140°	337.2	3.7
140°-150°	199.5	2.2
150°-160°	104.9	1.2
160°-170°	48.6	0.5
170°-180°	14.0	0.2
0°-90°	5338.3	58.8
0°-180°	9083.9	100.0



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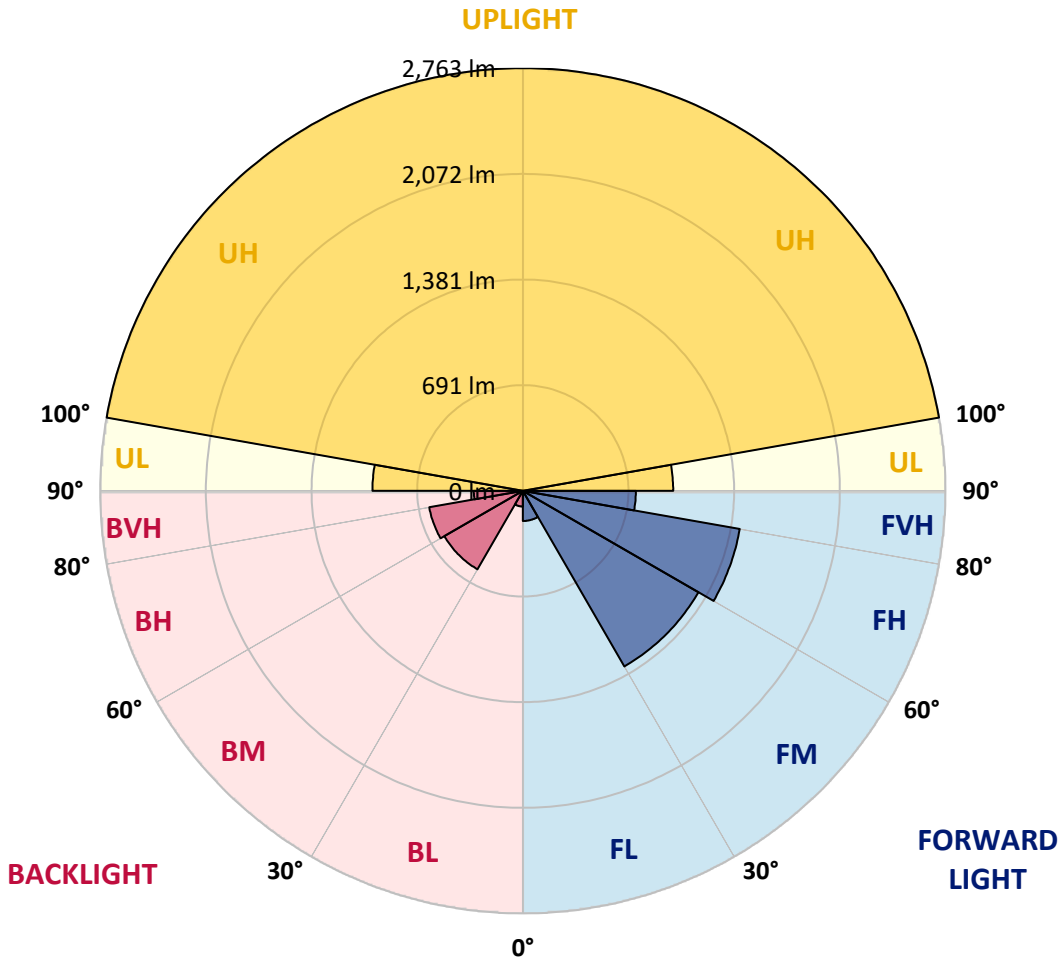
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	197.3	2.2			
FM	(30°-60°)	1325.8	14.6			
FH	(60°-80°)	1439.9	15.9			G1/1800
FVH	(80°-90°)	738.7	8.1			G4/750
BL	(0°-30°)	102.8	1.1	B0/110		
BM	(30°-60°)	592.3	6.5	B1/1000		
BH	(60°-80°)	620.8	6.8	B2/1000		G2/1000
BVH	(80°-90°)	320.9	3.5			G3/500
UL	(90°-100°)	983.0	10.8		U4/1000	
UH	(100°-180°)	2762.6	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°	98.7	98.7	98.7	*98.7*	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	106.0	106.0	107.9	*108.5*	109.1	109.1	109.7	109.1	106.6	103.6	101.7
5°	144.6	143.4	142.8	*143.4*	143.4	141.0	137.3	130.5	125.6	117.7	114.6
7.5°	193.7	192.5	190.6	*188.8*	188.8	182.6	176.5	171.0	162.4	151.4	147.7
10°	250.7	248.2	245.8	*242.1*	237.8	232.3	224.3	215.1	203.5	191.8	184.5
12.5°	306.4	305.8	304.6	*299.1*	291.1	286.2	277.6	264.8	250.1	234.1	228.0
15°	370.8	367.7	365.9	*361.6*	356.7	346.9	332.8	320.5	303.4	281.3	274.0
17.5°	430.3	429.0	425.4	*424.1*	416.2	405.7	389.8	371.4	350.6	330.4	319.3
20°	495.2	498.3	494.0	*490.3*	476.2	465.8	451.1	433.3	408.2	379.4	367.7
22.5°	567.5	570.6	563.9	*563.9*	552.2	535.1	514.2	493.4	462.1	432.1	417.4
25°	651.5	652.7	642.3	*638.0*	629.4	612.3	587.2	562.6	526.5	488.5	471.3
27.5°	731.2	733.6	727.5	*722.0*	707.9	691.4	663.8	635.0	593.9	548.5	529.5
30°	821.3	816.4	813.9	*804.1*	789.4	772.3	741.6	709.7	662.5	609.2	585.9
32.5°	901.0	897.3	899.1	*891.2*	869.7	850.7	821.9	783.3	728.1	672.4	646.0
35°	983.1	984.9	982.5	*973.9*	961.0	935.9	896.7	853.2	798.0	732.4	704.2
37.5°	1067.1	1062.8	1059.7	*1052.3*	1039.5	1011.3	972.7	923.6	859.9	790.6	759.4
40°	1139.4	1142.4	1138.8	*1126.5*	1114.9	1083.6	1041.3	985.5	920.0	845.8	809.6
42.5°	1208.0	1206.8	1203.7	*1197.0*	1181.1	1148.0	1106.3	1049.3	975.1	893.0	855.0
45°	1263.2	1264.4	1264.4	*1254.6*	1239.9	1209.9	1162.1	1103.8	1024.8	938.3	898.5
47.5°	1315.9	1317.7	1316.5	*1312.2*	1296.3	1260.7	1212.3	1152.3	1068.3	979.4	934.7
50°	1362.5	1362.5	1361.9	*1358.2*	1342.9	1308.5	1258.9	1194.5	1107.5	1013.7	969.6
52.5°	1401.1	1400.5	1401.1	*1396.8*	1380.9	1349.6	1298.1	1229.5	1142.4	1042.5	999.6
55°	1431.7	1429.9	1434.2	*1432.3*	1418.2	1383.3	1328.8	1262.0	1171.9	1070.1	1024.8
57.5°	1456.2	1455.6	1461.2	*1459.3*	1445.2	1410.3	1356.3	1288.3	1196.4	1092.8	1043.2
60°	1476.5	1475.2	1482.6	*1482.6*	1468.5	1433.6	1380.2	1308.5	1216.0	1110.6	1060.3
62.5°	1490.6	1491.2	1497.9	*1500.4*	1488.1	1452.6	1396.8	1326.3	1231.9	1124.7	1073.8
65°	1500.4	1501.6	1509.6	*1514.5*	1502.2	1467.3	1409.7	1339.2	1244.8	1136.3	1084.2
67.5°	1506.5	1507.1	1518.2	*1523.1*	1513.2	1476.5	1420.7	1348.4	1253.4	1143.7	1092.2
70°	1509.0	1509.6	1521.8	*1529.2*	1519.4	1482.0	1425.6	1353.3	1258.9	1148.6	1096.5
72.5°	*1507.1*	*1508.3*	*1521.2*	*1531.0*	*1521.2*	*1484.4*	*1427.4*	*1355.7*	*1260.1*	*1154.1*	*1097.7*
75°	1501.0	1502.2	1516.9	*1526.7*	1519.4	1481.4	1424.4	1353.3	1258.3	1149.2	1095.9
77.5°	1490.6	1492.4	1507.7	*1520.0*	1511.4	1475.2	1418.2	1346.5	1251.5	1143.1	1089.1
80°	1475.2	1475.9	1493.0	*1505.3*	1499.2	1463.0	1406.0	1334.9	1240.5	1132.6	1079.9
82.5°	1455.6	1458.1	1474.6	*1488.1*	1482.6	1445.2	1390.1	1320.2	1226.4	1119.8	1066.4
85°	1434.8	1437.2	1452.6	*1467.3*	1460.5	1425.6	1370.4	1301.2	1207.4	1102.0	1051.1
87.5°	1409.7	1411.5	1426.2	*1441.5*	1435.4	1400.5	1347.2	1279.1	1187.8	1085.4	1033.3
90°	1382.1	1383.9	1398.0	*1412.7*	1404.8	1371.7	1319.6	1252.8	1163.9	1063.4	1013.1
92.5°	1352.7	1353.3	1369.2	*1377.2*	1372.9	1343.5	1292.0	1227.6	1138.8	1040.7	993.5
95°	1319.6	1319.6	1334.9	*1343.5*	1336.1	1308.5	1260.1	1195.8	1109.3	1017.4	969.0
97.5°	1283.4	1284.6	1296.3	*1304.9*	1302.4	1273.6	1227.6	1166.3	1083.6	992.3	946.3
100°	1246.0	1246.0	1256.4	*1263.8*	1258.3	1235.0	1191.5	1135.1	1051.1	965.3	920.6
102.5°	1206.8	1206.2	1214.8	*1220.3*	1216.6	1195.2	1154.7	1098.9	1020.5	937.1	894.8
105°	1163.3	1161.4	1170.0	*1176.2*	1172.5	1153.5	1119.2	1065.2	989.2	909.5	869.1
107.5°	1116.7	1119.8	1124.7	*1128.3*	1125.3	1108.7	1076.3	1028.4	956.7	880.7	841.5
110°	1072.6	1074.4	1075.0	*1079.3*	1078.7	1065.2	1037.6	989.8	921.8	850.1	812.1

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REPORT NUMBER: P1223900
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1027.8	1027.2	1027.8	*1030.9*	1030.9	1017.4	991.1	949.4	887.5	817.6	782.7
115°	979.4	977.0	977.6	*978.2*	980.6	970.2	947.5	908.3	847.6	785.7	751.4
117.5°	929.2	928.5	927.3	*925.5*	925.5	921.2	901.6	866.6	809.0	747.7	718.9
120°	881.3	878.9	875.8	*874.0*	875.2	870.3	854.4	819.4	768.6	713.4	684.6
122.5°	826.2	828.0	826.2	*823.7*	824.3	819.4	806.0	776.5	725.7	673.0	647.2
125°	779.0	778.4	775.9	*772.3*	772.3	770.4	755.7	730.0	684.6	634.4	610.4
127.5°	726.3	726.9	724.4	*722.6*	723.8	720.2	710.4	680.9	641.1	596.4	573.1
130°	676.6	676.0	675.4	*671.7*	674.8	668.1	659.5	635.0	597.0	559.0	537.5
132.5°	630.1	626.4	623.9	*623.3*	622.7	622.1	611.7	590.2	558.4	520.4	499.5
135°	583.5	580.4	577.4	*576.1*	577.4	574.3	565.1	547.3	517.9	481.1	465.2
137.5°	535.7	534.4	534.4	*531.4*	531.4	528.9	521.0	506.3	478.7	446.8	430.9
140°	492.8	490.3	489.1	*487.3*	489.1	486.6	478.1	464.0	440.7	413.1	397.8
142.5°	448.6	446.2	448.0	*446.2*	444.4	443.1	435.8	424.7	404.5	379.4	366.5
145°	407.6	407.6	406.4	*407.0*	405.7	404.5	397.2	386.7	369.6	346.3	337.1
147.5°	369.0	370.2	369.0	*370.2*	370.2	365.3	360.4	351.8	335.9	317.5	307.7
150°	332.8	334.6	333.4	*332.8*	333.4	331.0	324.2	319.3	305.2	289.3	279.5
152.5°	302.2	303.4	303.4	*302.2*	301.5	300.3	293.6	286.8	275.8	263.5	256.8
155°	273.4	273.4	274.0	*274.6*	272.7	269.1	266.6	261.1	251.3	240.3	233.5
157.5°	249.4	248.8	249.4	*248.8*	248.2	244.5	240.9	236.6	228.6	218.8	215.1
160°	226.8	226.8	227.4	*226.8*	224.3	222.5	219.4	215.7	209.0	202.3	197.4
162.5°	208.4	208.4	208.4	*207.8*	205.3	204.7	201.0	197.4	191.8	186.3	182.6
165°	192.5	192.5	191.8	*191.8*	190.6	188.8	185.7	182.6	177.7	173.5	171.0
167.5°	179.6	179.0	178.4	*177.7*	177.1	175.3	172.2	170.4	166.7	163.0	161.2
170°	168.5	168.5	167.9	*167.9*	166.7	164.9	163.0	160.6	158.1	154.5	153.2
172.5°	158.7	158.7	158.7	*158.7*	156.9	156.3	154.5	152.6	150.8	148.3	147.1
175°	151.4	151.4	151.4	*151.4*	150.2	148.9	148.3	146.5	145.3	143.4	142.8
177.5°	145.9	145.9	145.9	*145.9*	145.3	144.0	143.4	142.2	141.0	140.4	139.7
180°	141.0	141.0	141.0	*141.0*	141.0	141.0	141.0	141.0	141.0	141.0	141.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	99.9	96.2	91.3	85.8	81.5	76.0	70.5	67.4	65.6	64.4
5°	111.5	103.6	96.2	88.3	82.1	76.6	70.5	65.6	63.1	62.5
7.5°	142.2	131.2	120.1	110.3	101.7	93.2	87.0	82.1	79.1	79.1
10°	179.0	163.6	150.8	137.9	126.3	115.8	107.3	102.4	98.7	97.5
12.5°	220.6	202.3	184.5	169.8	152.6	141.0	130.5	123.8	119.5	118.9
15°	264.2	245.2	222.5	202.3	183.3	164.9	152.6	142.8	139.1	139.1
17.5°	305.8	281.3	256.2	231.7	208.4	186.9	169.8	158.7	153.2	152.0
20°	350.6	321.2	288.7	259.9	231.1	205.9	185.7	171.6	164.3	163.6
22.5°	396.5	362.2	327.3	289.3	256.2	226.2	202.3	185.7	176.5	175.3
25°	449.3	407.6	365.9	324.2	284.4	248.8	220.6	200.4	190.0	188.8
27.5°	507.5	455.4	405.7	357.9	311.4	272.1	238.4	215.1	202.3	201.6
30°	560.8	503.2	446.8	391.6	340.8	293.6	256.2	229.2	215.1	213.3
32.5°	614.1	550.4	486.6	426.0	367.1	316.3	274.0	242.7	226.2	224.9
35°	669.3	597.0	527.7	457.8	396.5	338.9	290.5	256.2	238.4	236.0
37.5°	720.8	642.9	566.9	492.8	422.3	359.8	306.4	269.1	248.8	245.8
40°	768.0	684.0	602.5	522.8	446.8	379.4	321.8	280.1	257.4	255.0
42.5°	811.5	722.6	635.0	549.2	469.5	396.5	334.6	289.3	264.2	261.7
45°	852.5	758.8	665.0	573.7	489.1	412.5	346.9	297.9	270.9	267.2
47.5°	887.5	789.4	688.9	594.5	506.9	426.0	356.1	304.0	275.8	272.1
50°	918.7	815.2	711.6	614.7	522.2	438.2	364.7	308.9	278.3	274.6
52.5°	943.9	839.1	731.2	630.7	536.3	448.0	370.8	313.2	280.7	277.0
55°	968.4	858.7	748.3	644.8	546.7	457.2	375.7	315.6	281.9	277.6
57.5°	988.6	875.2	762.4	655.8	557.1	463.4	380.0	316.9	281.9	277.0
60°	1003.3	888.1	773.5	665.0	563.9	468.9	383.1	317.5	281.3	276.4
62.5°	1016.2	898.5	781.4	673.0	570.6	473.2	386.1	318.1	280.1	275.2
65°	1026.0	907.1	788.2	677.9	574.9	476.8	386.7	317.5	278.3	273.4
67.5°	1034.0	912.6	792.5	682.2	578.0	478.7	388.0	316.9	277.0	271.5
70°	1037.0	915.1	794.9	684.0	579.8	479.9	388.0	315.6	274.6	269.1
72.5°	*1036.4*	*915.1*	*795.5*	*684.6*	*580.4*	*480.5*	*387.4*	*313.8*	*272.7*	*267.2*
75°	1034.6	913.2	794.3	684.0	579.8	479.9	386.7	312.6	270.9	266.0
77.5°	1029.7	908.3	790.0	681.5	578.6	478.1	384.9	311.4	269.7	263.5
80°	1021.1	901.0	783.9	676.0	574.3	476.2	383.1	308.9	267.2	262.3
82.5°	1008.8	891.8	776.5	671.1	570.6	472.5	380.6	307.7	266.0	261.1
85°	994.7	880.1	766.7	663.8	565.1	468.9	377.5	305.2	264.8	259.9
87.5°	977.6	864.8	756.9	655.2	558.4	464.0	374.5	303.4	264.2	259.3
90°	959.8	850.7	744.7	647.2	552.8	459.1	371.4	302.2	263.5	259.3
92.5°	940.2	835.4	733.0	636.8	545.5	454.2	368.4	300.9	263.5	259.3
95°	920.6	819.4	721.4	627.6	538.1	449.3	365.3	300.3	264.8	260.5
97.5°	897.3	801.1	707.3	617.8	529.5	443.7	362.8	299.7	265.4	261.7
100°	875.2	782.7	692.6	606.8	521.6	437.6	359.2	299.1	266.6	262.3
102.5°	851.3	764.9	677.9	595.1	513.0	430.9	356.1	298.5	267.8	264.2
105°	827.4	743.4	661.9	581.6	502.6	424.1	352.4	297.9	268.4	264.8
107.5°	801.1	723.2	644.2	568.8	492.2	416.8	347.5	296.6	269.1	265.4
110°	774.1	699.3	625.8	554.1	479.9	407.6	342.6	293.6	268.4	265.4

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

Scaled Data Report

REPORT NUMBER: P1223900
CATALOG NUMBER: FFX-CLB-60-730-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	748.3	676.6	605.5	537.5	467.0	398.4	335.9	290.5	266.6	264.2
115°	716.5	650.9	584.1	519.7	452.3	386.7	328.5	286.2	264.2	261.1
117.5°	687.1	623.9	561.4	500.7	437.0	375.1	319.9	280.7	259.9	257.4
120°	654.0	595.1	536.9	479.3	419.8	361.6	309.5	274.0	254.4	252.5
122.5°	621.5	566.9	511.8	457.2	401.4	346.3	299.1	265.4	248.2	246.4
125°	587.2	536.9	485.4	433.9	381.2	330.4	286.8	255.6	240.3	238.4
127.5°	552.2	505.6	457.2	409.4	361.6	314.4	274.0	245.8	231.1	230.5
130°	515.4	473.8	429.6	385.5	341.4	297.9	260.5	235.4	221.9	220.6
132.5°	482.4	443.7	402.7	361.0	319.3	281.3	247.6	224.3	212.7	211.5
135°	449.9	411.3	375.7	338.9	300.3	264.8	234.7	213.9	203.5	202.3
137.5°	416.8	383.1	350.0	315.6	280.7	248.8	222.5	204.1	194.9	193.7
140°	383.7	355.5	325.4	293.0	262.9	234.1	210.2	194.9	186.3	185.1
142.5°	353.6	326.7	299.7	271.5	244.5	220.0	199.2	184.5	177.1	176.5
145°	324.2	300.9	276.4	251.3	228.0	207.8	188.8	176.5	170.4	169.8
147.5°	297.9	277.0	255.0	233.5	213.3	194.3	179.0	168.5	162.4	161.8
150°	271.5	253.1	234.7	216.4	199.2	183.3	169.8	161.2	156.9	155.7
152.5°	248.2	233.5	217.0	201.6	186.3	172.8	162.4	154.5	150.8	150.2
155°	227.4	215.1	201.6	188.2	175.9	164.9	155.7	149.5	146.5	146.5
157.5°	209.6	199.2	188.2	177.1	167.3	158.1	150.8	145.9	143.4	142.8
160°	193.7	184.5	175.9	167.9	158.7	152.0	146.5	142.2	140.4	139.7
162.5°	179.0	172.8	166.1	159.4	152.6	147.1	142.8	139.7	138.5	138.5
165°	168.5	163.0	157.5	152.6	147.7	144.0	140.4	138.5	137.3	136.7
167.5°	159.4	155.1	151.4	147.7	144.0	141.0	138.5	137.3	136.1	136.1
170°	152.0	148.9	146.5	144.0	141.6	139.1	137.9	136.7	136.1	136.1
172.5°	145.9	144.0	142.2	141.0	139.1	137.9	136.7	136.1	136.1	136.1
175°	142.2	141.0	139.7	139.1	138.5	137.9	137.3	136.7	136.7	136.7
177.5°	139.7	139.1	139.1	138.5	138.5	138.5	138.5	138.5	138.5	138.5
180°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0

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: SP1-2501-332-4

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

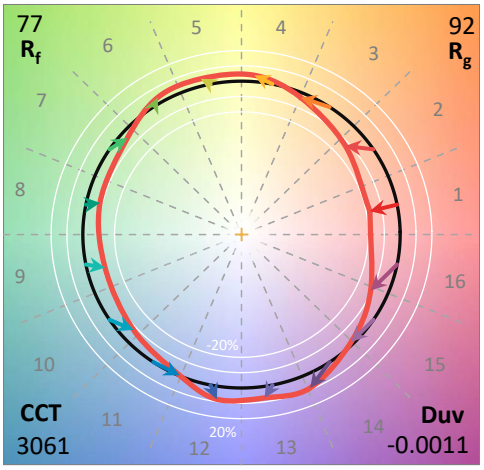
Test Information

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

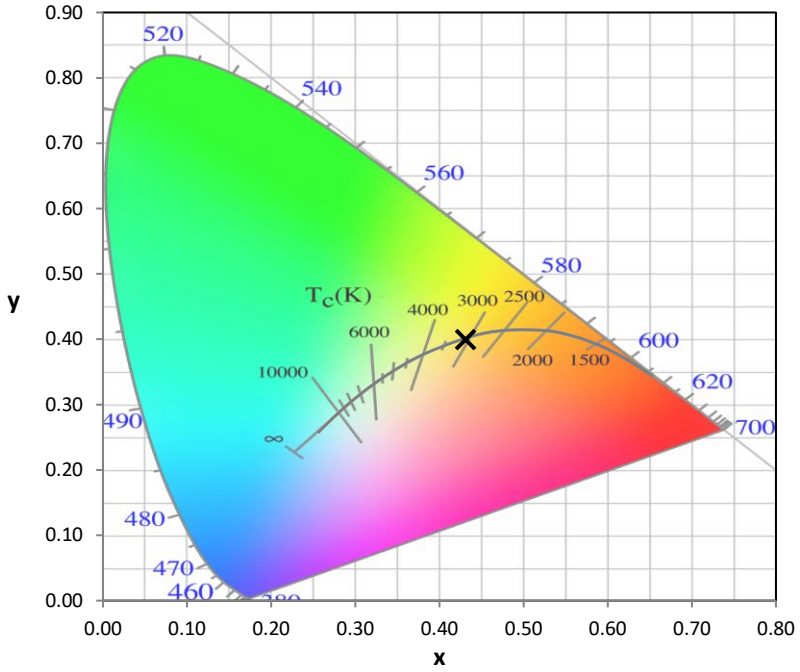
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

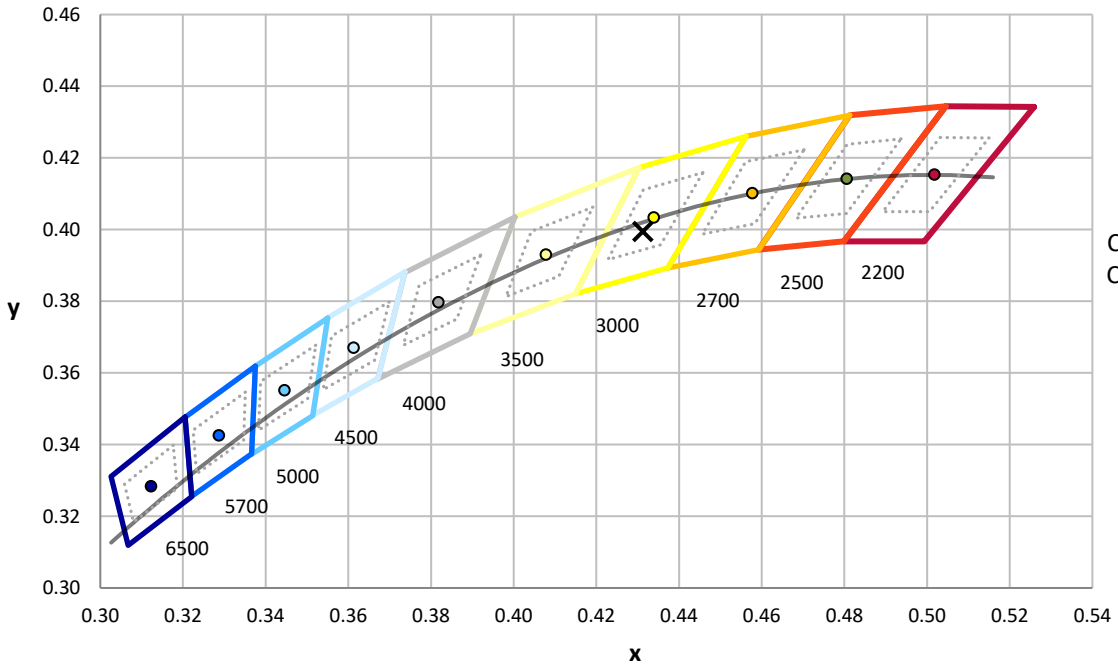
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

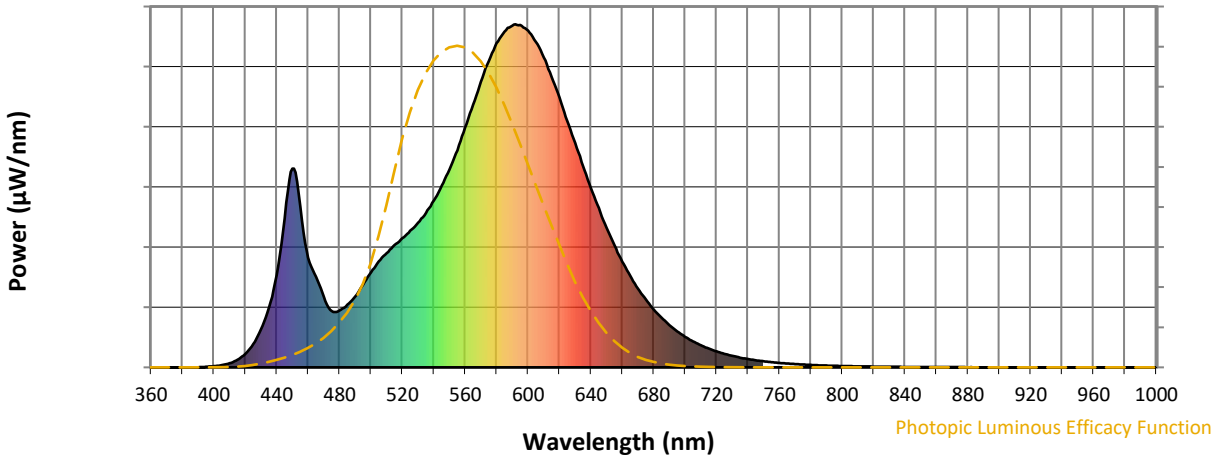


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

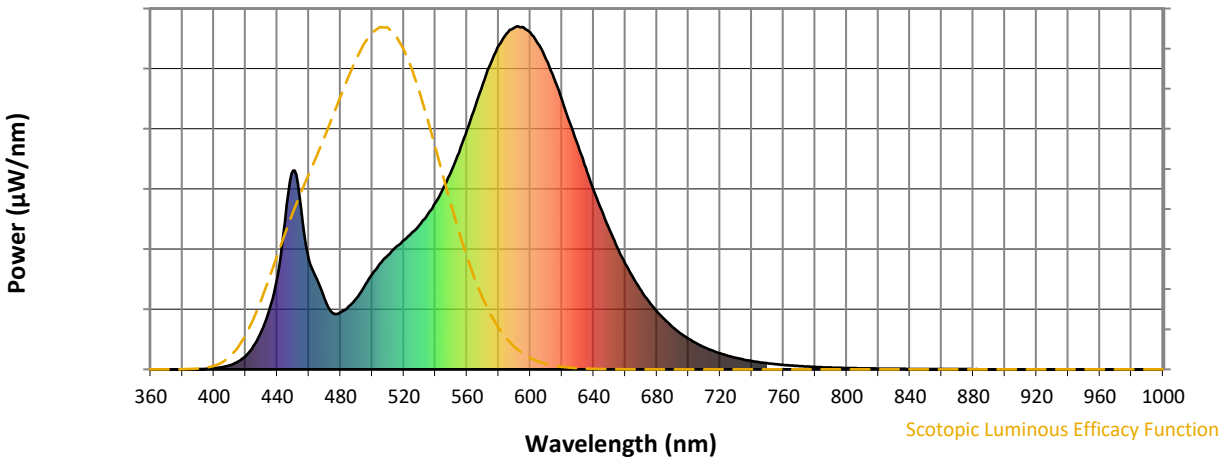


Photopic Lumens: NR

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

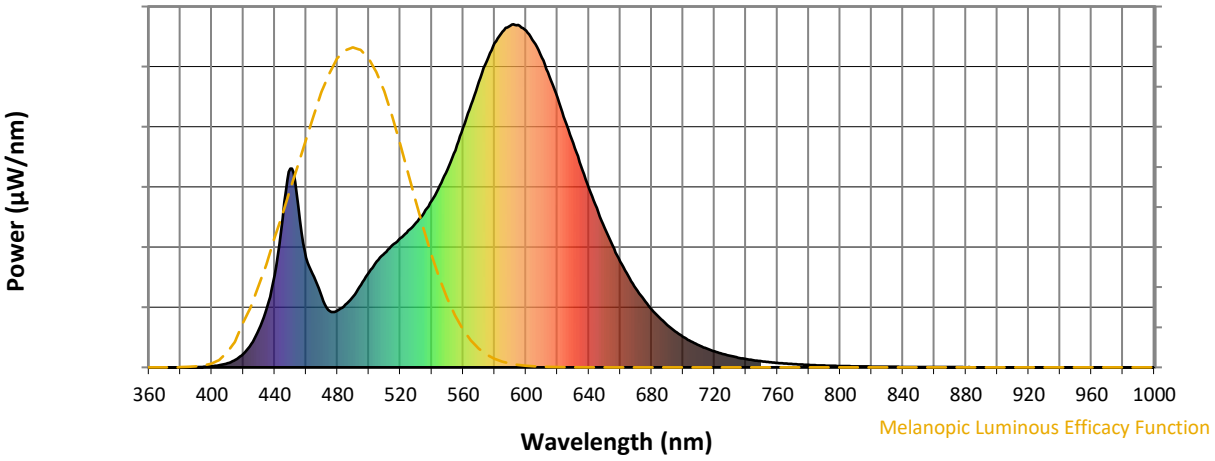


Scotopic Lumens: NR **S/P: 1.29**

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			

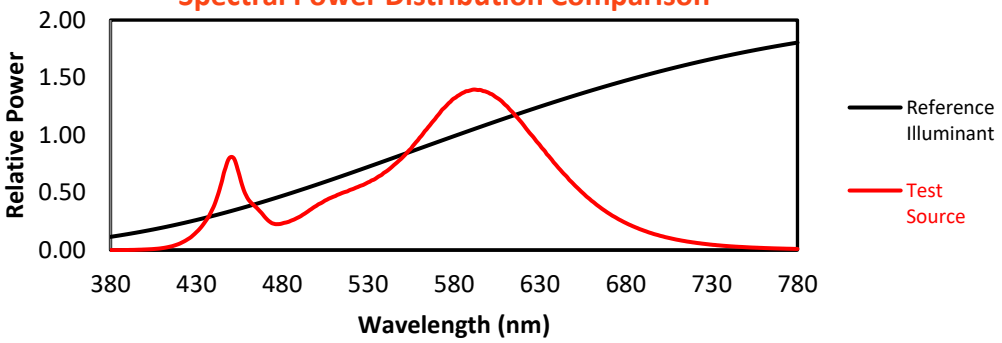
REPORT NUMBER: SP1-2501-332-4

TM-30-18

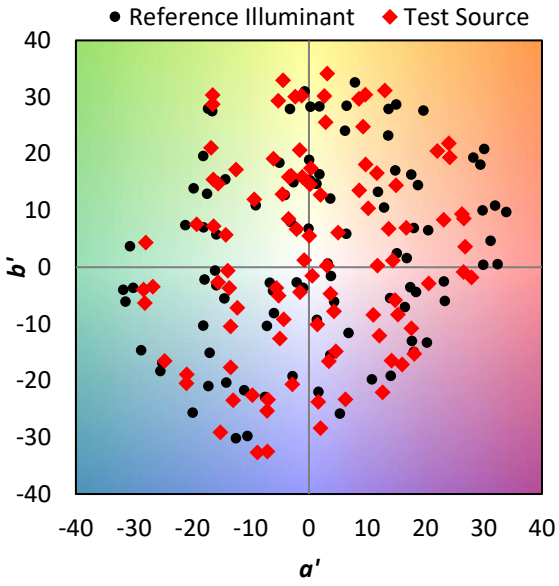
Summary

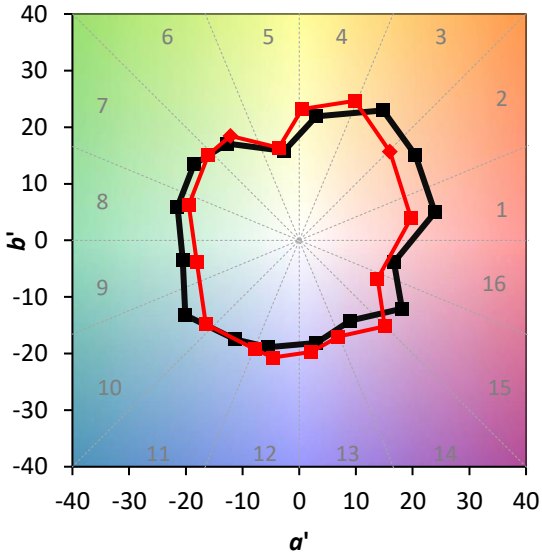
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

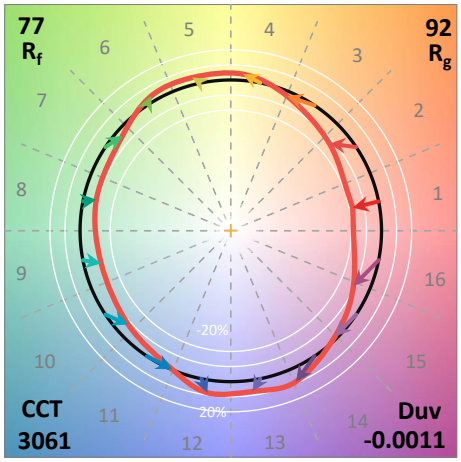
Spectral Power Distribution Comparison

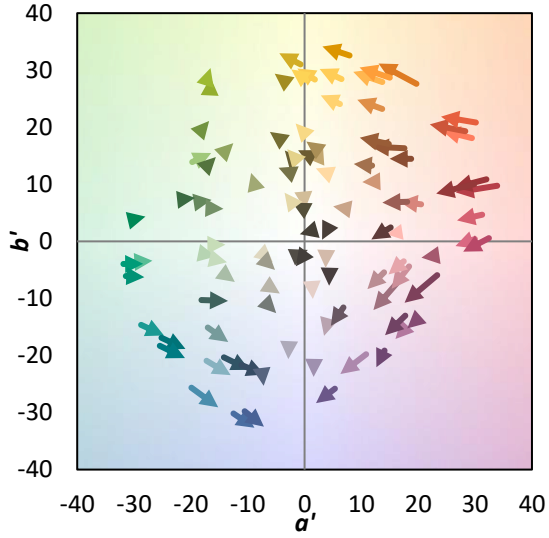


Color Vector Graphics







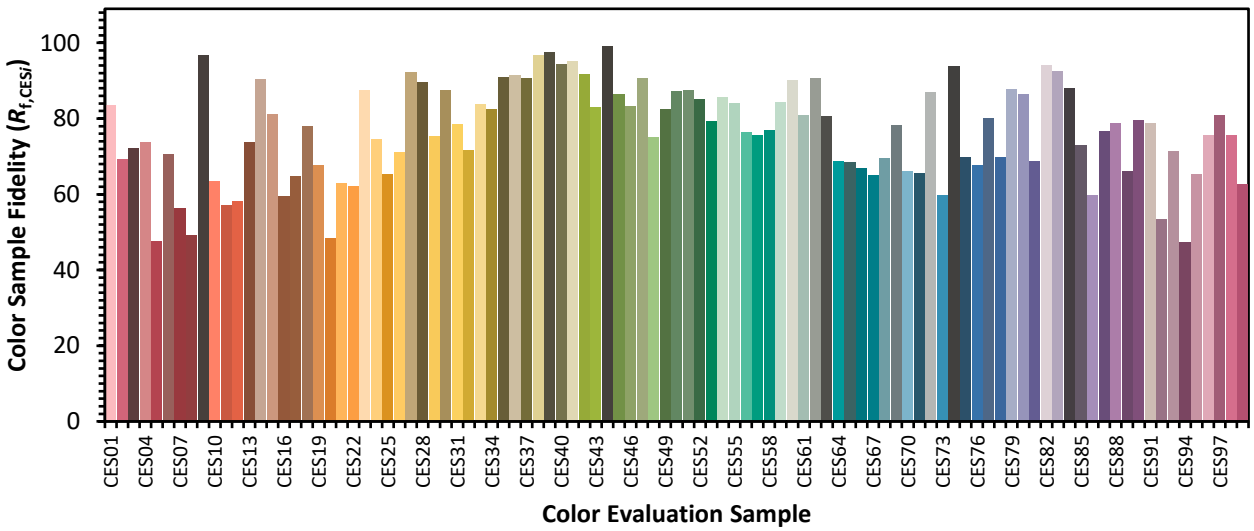


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

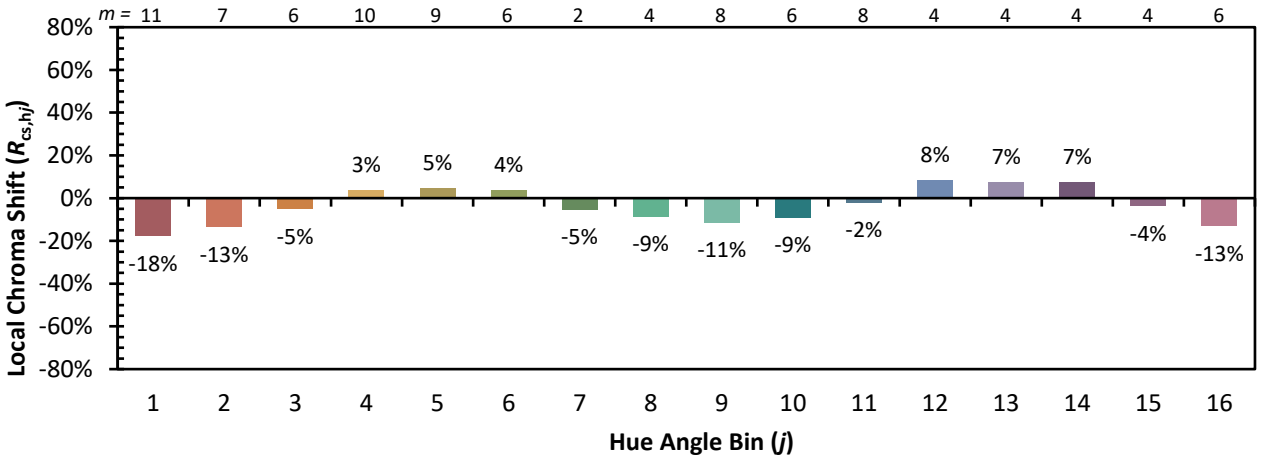
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

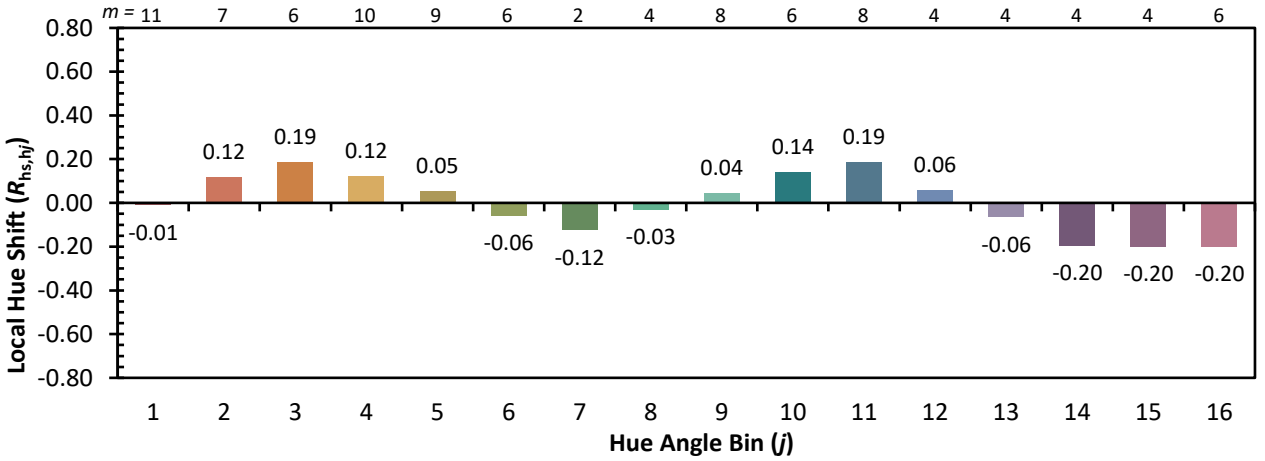


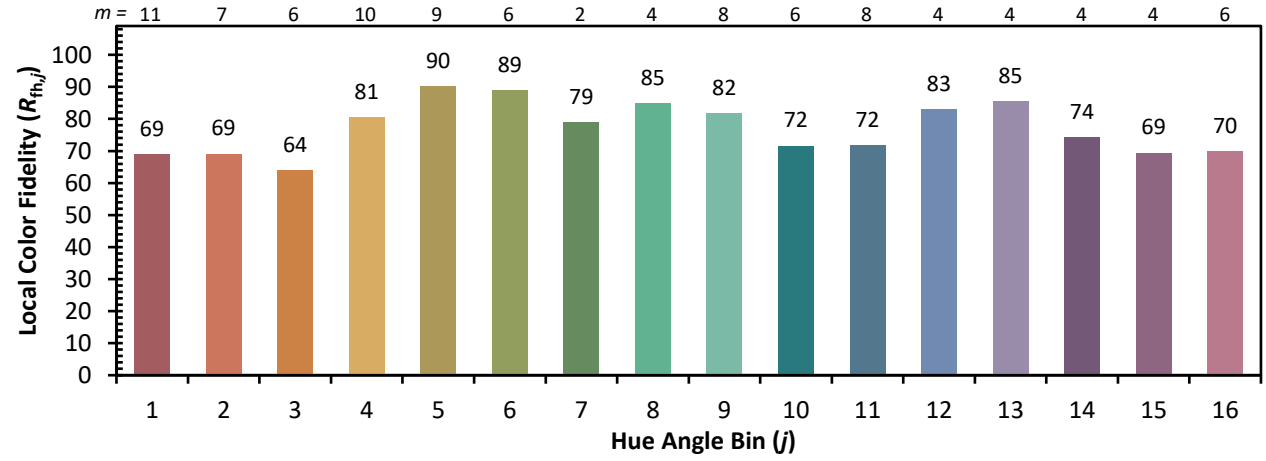
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Color Rendition by Hue-Angle Bin



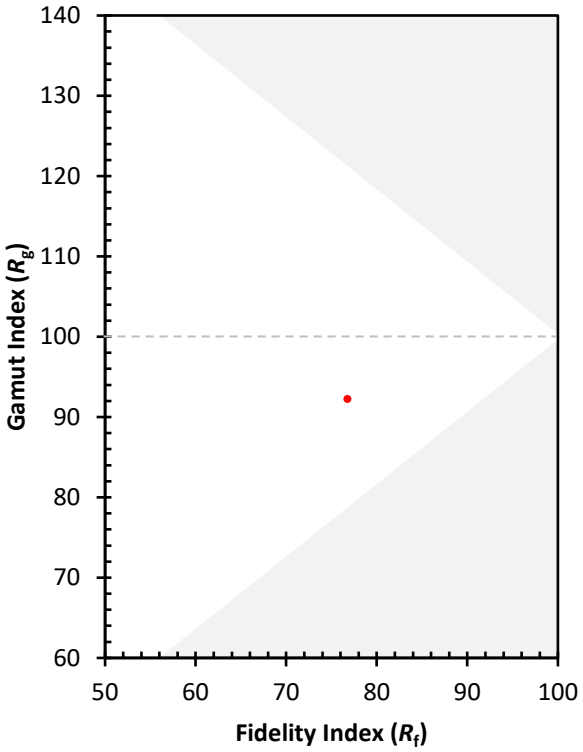


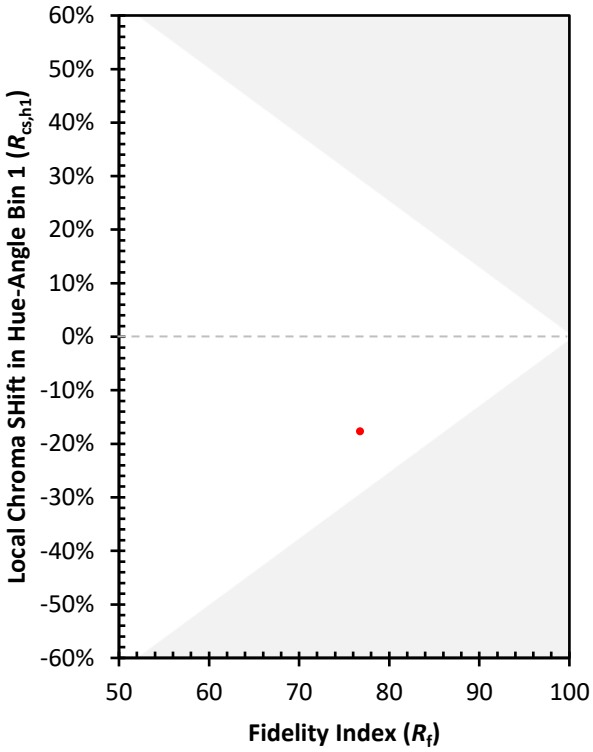


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Measure Comparisons





(END OF REPORT)