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: P1224026

Luminaire Tested: **FFX-CLB-60-727-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224026
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7918.1 lumens
Efficiency:	N/A
Efficacy:	130.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

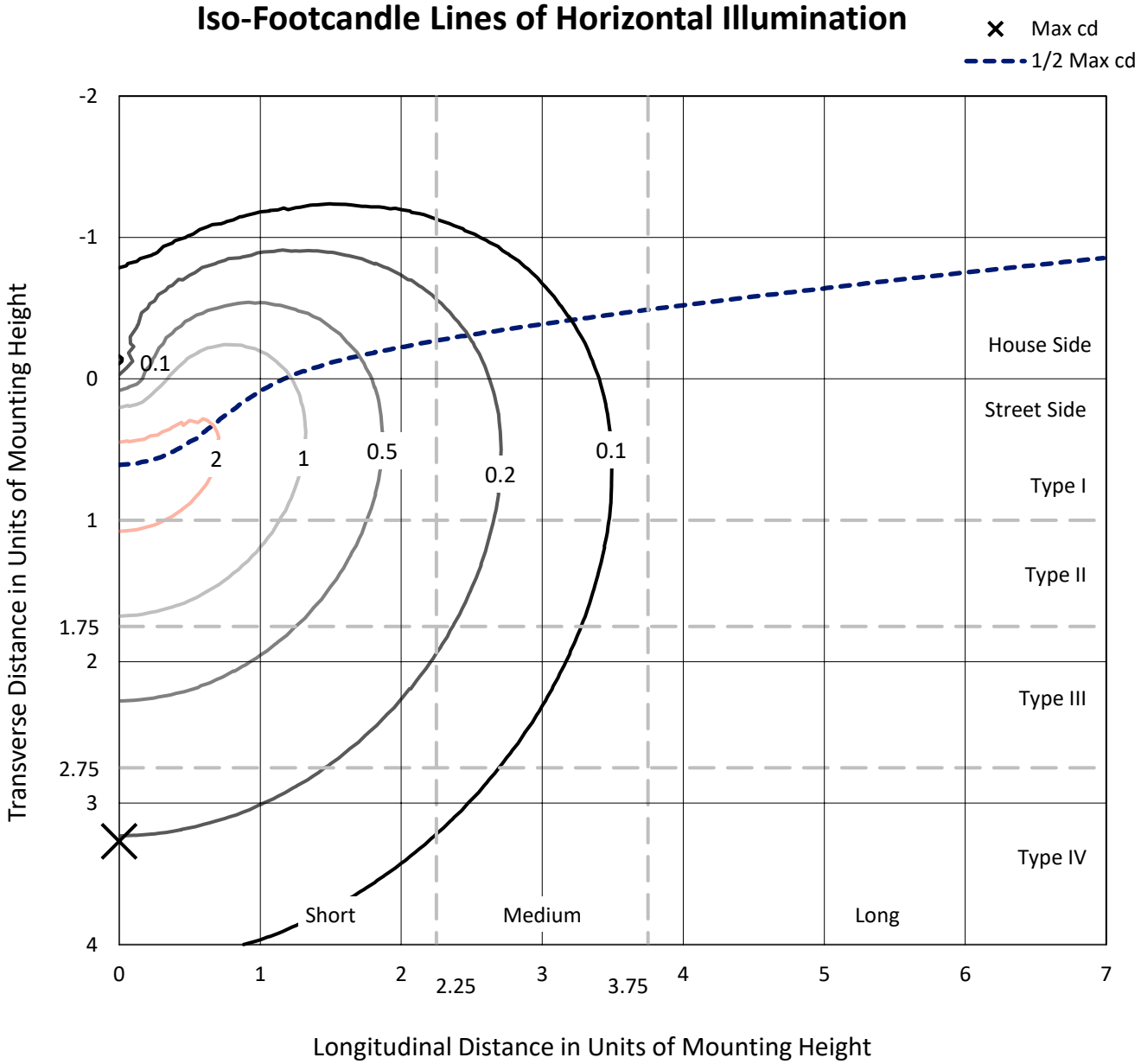


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Iso-Footcandle Lines of Horizontal Illumination



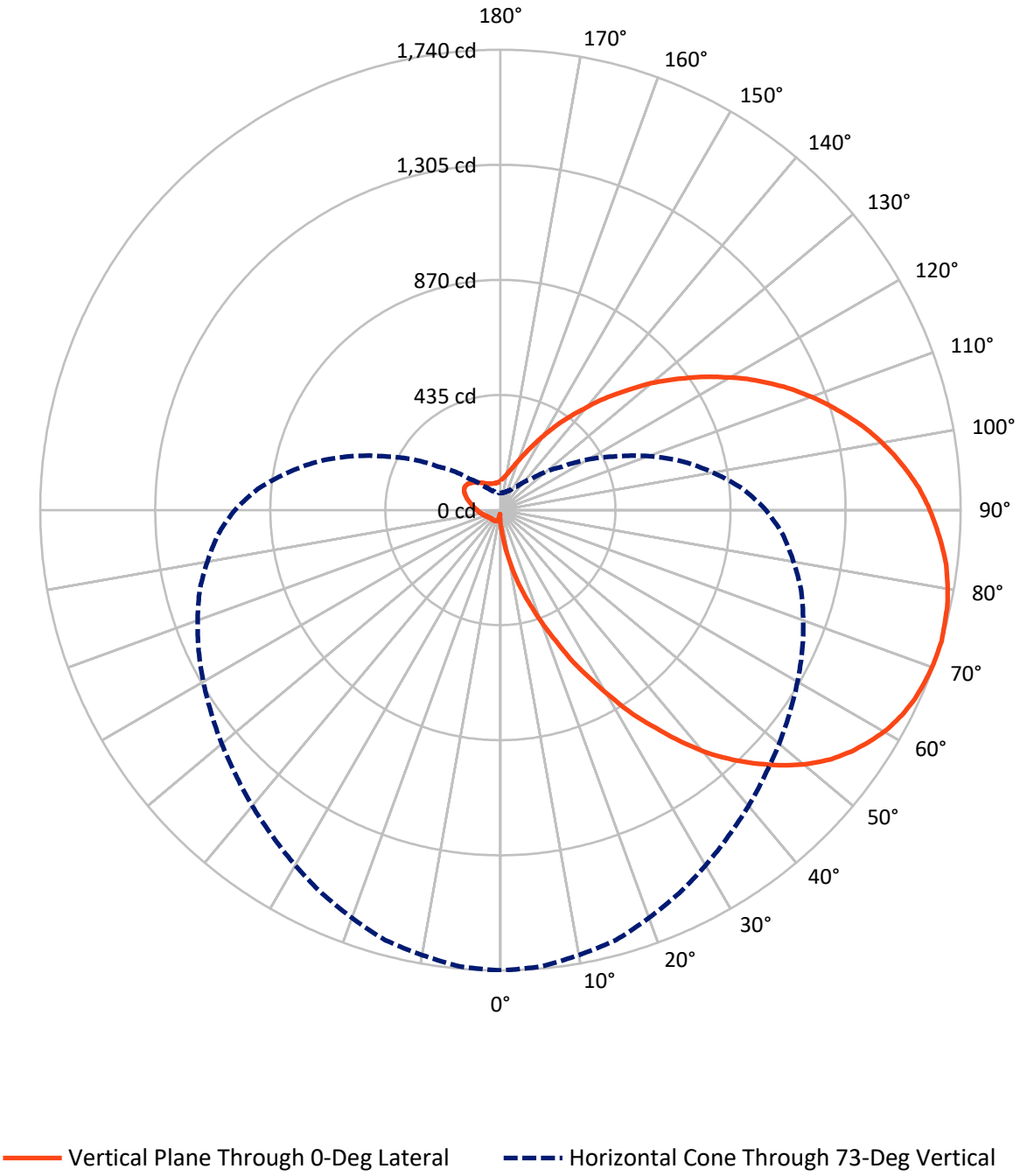
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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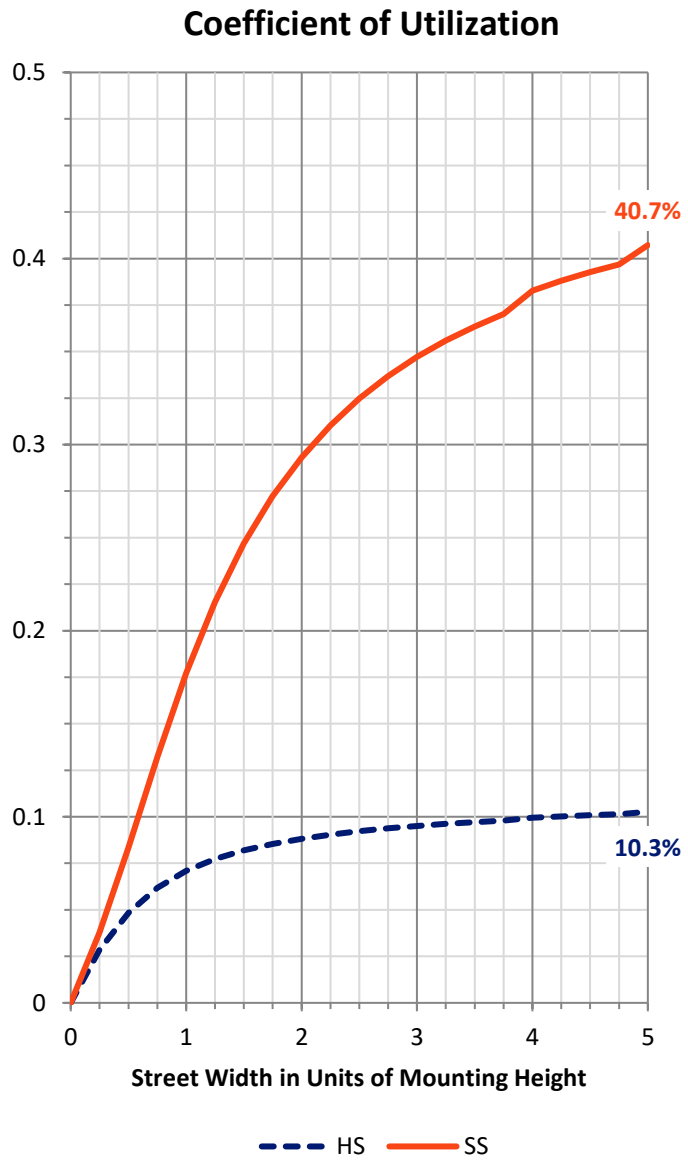
REPORT NUMBER: P1224026
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	877.0	861.8	1738.8
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3697.8	2481.5	6179.3
	% Fixture	46.7	31.3	78.0
Total	Lumens	4574.8	3343.3	7918.1
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	56.1	0.7
20°-30°	169.5	2.1
30°-40°	353.1	4.5
40°-50°	559.6	7.1
50°-60°	735.1	9.3
60°-70°	856.5	10.8
70°-80°	918.0	11.6
80°-90°	918.7	11.6
90°-100°	861.5	10.9
100°-110°	757.9	9.6
110°-120°	625.9	7.9
120°-130°	471.1	5.9
130°-140°	310.9	3.9
140°-150°	178.3	2.3
150°-160°	88.4	1.1
160°-170°	38.6	0.5
170°-180°	10.8	0.1
0°-90°	4574.8	57.8
0°-180°	7918.1	100.0



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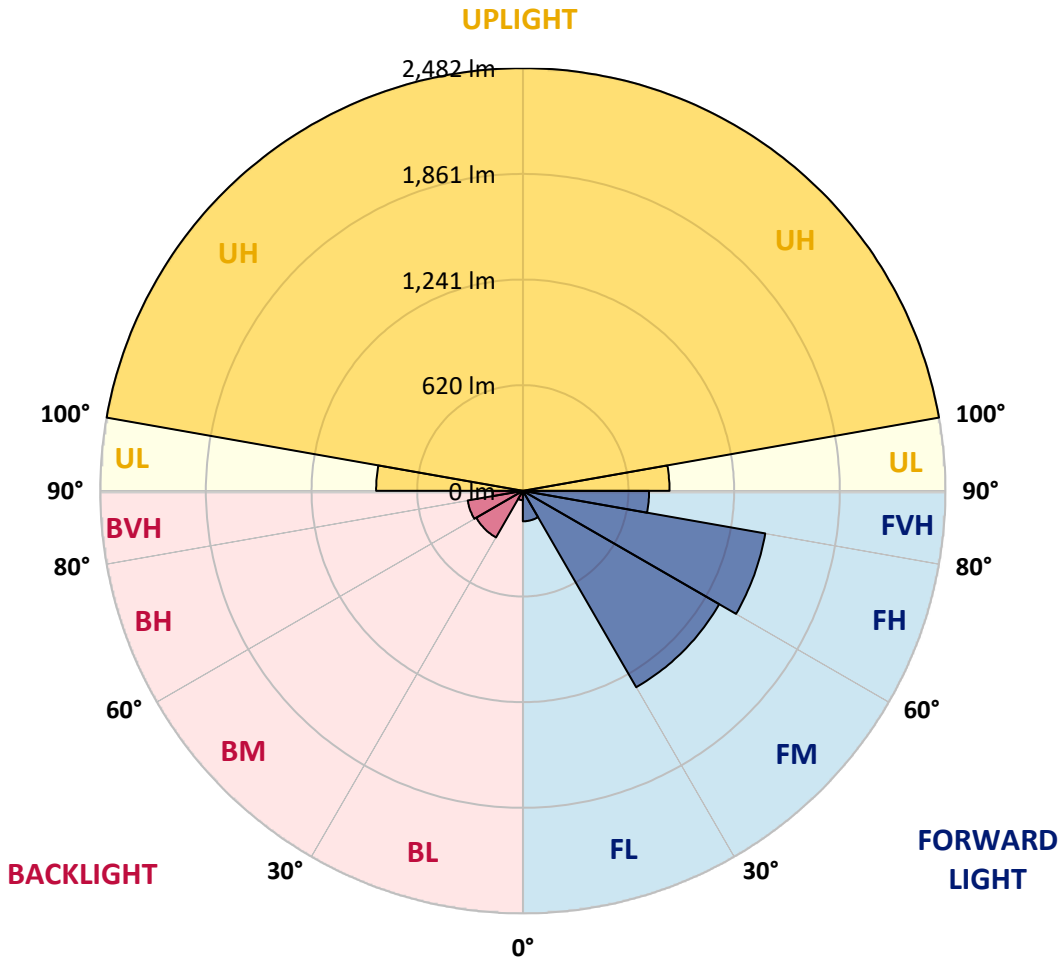
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	179.0	2.3			
FM	(30°-60°)	1331.8	16.8			
FH	(60°-80°)	1445.6	18.3			G1/1800
FVH	(80°-90°)	741.4	9.4			G4/750
BL	(0°-30°)	54.7	0.7	B0/110		
BM	(30°-60°)	316.0	4.0	B1/1000		
BH	(60°-80°)	328.9	4.2	B1/500		G1/500
BVH	(80°-90°)	177.4	2.2			G2/225
UL	(90°-100°)	861.5	10.9		U4/1000	
UH	(100°-180°)	2481.8	31.3		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	71.4	72.0	71.4	72.5	69.8	69.8	67.6	65.5	62.8	59.5	57.4
5°	106.1	105.5	105.5	106.1	104.4	99.6	94.2	86.6	80.1	73.1	69.3
7.5°	152.6	150.4	148.3	147.7	142.3	135.3	127.7	119.1	109.9	100.1	93.1
10°	201.3	202.9	200.8	194.8	188.3	180.2	170.5	158.6	146.7	133.1	125.0
12.5°	264.1	259.8	254.4	248.4	241.9	234.3	218.6	205.1	188.3	171.6	160.7
15°	325.2	321.5	321.5	313.9	303.6	292.2	277.6	260.8	237.6	211.1	201.3
17.5°	388.0	388.6	383.2	374.5	365.3	350.7	335.0	311.2	287.4	259.8	243.0
20°	461.6	459.5	455.7	449.2	432.9	420.0	400.5	374.0	341.5	307.9	287.4
22.5°	537.9	539.0	539.0	528.7	513.6	495.7	473.5	443.2	404.8	361.5	336.6
25°	633.2	632.6	622.4	610.4	598.5	580.1	552.0	515.2	473.0	421.0	391.8
27.5°	719.8	719.2	717.1	706.2	688.4	664.6	631.6	591.5	543.3	481.1	446.5
30°	816.1	818.3	812.3	803.1	779.8	755.5	717.1	670.0	613.2	546.0	507.1
32.5°	920.5	916.2	911.3	899.4	874.0	839.9	796.6	747.9	685.7	608.8	566.1
35°	1010.9	1019.0	1011.5	993.1	961.7	925.4	877.8	823.1	755.5	673.2	624.5
37.5°	1112.7	1111.0	1099.7	1081.8	1051.5	1005.5	955.2	891.9	816.1	730.6	676.5
40°	1207.4	1200.9	1194.4	1167.9	1129.4	1083.4	1021.2	956.8	878.9	782.5	727.9
42.5°	1291.2	1290.7	1273.4	1246.9	1198.7	1147.8	1083.4	1011.5	930.3	830.7	769.0
45°	1368.6	1367.0	1350.2	1310.7	1265.3	1204.1	1137.0	1062.3	976.8	871.8	812.8
47.5°	1441.7	1437.4	1414.1	1374.0	1316.7	1252.3	1183.0	1104.5	1016.3	908.6	846.9
50°	1508.3	1504.5	1477.4	1426.5	1365.4	1296.7	1220.9	1139.7	1053.7	945.4	878.9
52.5°	1565.1	1558.6	1527.2	1472.5	1402.7	1330.2	1251.2	1170.0	1082.9	971.4	907.0
55°	1610.5	1603.5	1569.9	1508.8	1435.7	1357.3	1277.2	1196.5	1105.6	994.7	928.7
57.5°	1648.4	1643.0	1606.2	1539.1	1461.2	1380.5	1299.4	1217.1	1126.7	1016.3	947.6
60°	1681.4	1674.9	1633.3	1564.0	1481.7	1398.4	1315.6	1233.3	1144.6	1033.1	964.9
62.5°	1704.7	1699.8	1656.0	1581.9	1496.3	1411.9	1326.4	1246.9	1158.1	1048.3	977.9
65°	1721.5	1715.5	1671.1	1592.7	1505.5	1418.4	1334.5	1252.8	1166.8	1057.5	987.6
67.5°	1731.2	1726.9	1680.3	1600.3	1509.3	1421.7	1338.3	1258.8	1173.8	1065.0	995.2
70°	1737.7	1731.2	1684.1	1601.9	1508.3	1421.1	1338.3	1259.3	1177.6	1070.4	999.6
72.5°	1739.3	1732.3	1683.6	1599.2	1505.0	1415.7	1335.6	1259.9	1178.7	1073.2	1003.9
73°	1739.9	1732.3	1683.1	1598.1	1503.4	1415.2	1335.1	1258.8	1177.6	1072.6	1003.9
75°	1733.9	1729.1	1678.7	1591.6	1498.0	1409.8	1331.3	1256.1	1177.6	1073.2	1003.3
77.5°	1728.0	1720.4	1667.9	1582.4	1485.5	1400.0	1323.2	1250.7	1173.8	1072.1	1002.8
80°	1713.9	1706.3	1653.8	1565.1	1469.8	1385.9	1311.8	1242.0	1166.8	1066.1	998.5
82.5°	1697.7	1689.0	1634.3	1545.1	1450.9	1368.1	1297.2	1230.6	1157.6	1059.1	992.0
85°	1673.9	1667.4	1611.6	1520.7	1429.2	1349.7	1280.4	1217.1	1145.7	1048.3	982.2
87.5°	1646.3	1640.8	1582.9	1493.1	1401.6	1325.9	1260.9	1199.2	1132.1	1036.4	971.4
90°	1617.6	1611.1	1553.2	1461.7	1374.6	1299.9	1238.2	1180.3	1115.4	1021.7	957.3
92.5°	1584.6	1577.0	1518.5	1429.8	1344.8	1273.4	1216.0	1159.2	1096.4	1005.0	942.7
95°	1544.5	1537.5	1479.6	1390.8	1307.5	1242.5	1186.8	1134.3	1074.2	984.9	924.9
97.5°	1501.8	1495.3	1436.8	1351.9	1271.2	1207.4	1155.4	1107.8	1050.4	965.5	904.8
100°	1455.8	1447.1	1389.2	1307.5	1227.9	1170.0	1123.5	1080.7	1024.4	941.1	883.2
102.5°	1407.1	1398.9	1343.7	1263.6	1189.0	1132.7	1090.5	1048.8	997.4	918.9	862.1
105°	1351.9	1347.5	1291.8	1214.4	1144.6	1092.6	1053.1	1016.9	968.2	891.9	839.9
107.5°	1297.2	1288.5	1236.6	1162.4	1097.0	1049.9	1015.8	982.2	937.9	864.8	815.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1239.3*	1230.6	1184.1	1113.2	1052.6	1007.7	976.3	946.5	906.5	838.3	791.7
112.5°	*1180.8*	1171.1	1125.1	1060.2	1001.2	964.4	935.7	910.8	874.5	811.8	765.8
115°	*1117.5*	1113.7	1068.8	1006.6	954.6	920.0	895.1	872.4	838.3	783.1	740.9
117.5°	*1055.3*	1048.3	1009.3	951.9	903.8	871.3	852.4	832.3	801.5	749.5	712.7
120°	*988.2*	986.6	949.2	895.6	850.7	825.3	806.9	790.1	763.1	716.0	681.3
122.5°	*924.9*	921.6	885.9	837.7	800.4	776.6	762.0	747.4	724.1	680.3	647.8
125°	*857.8*	854.0	825.8	786.3	750.6	727.9	713.8	702.4	681.3	641.8	611.5
127.5°	*795.5*	791.7	766.3	728.4	700.3	679.7	666.7	656.4	635.3	601.2	574.7
130°	*733.8*	727.3	705.2	674.8	646.7	632.6	619.6	612.1	590.4	558.5	535.2
132.5°	*667.8*	664.6	648.9	620.7	598.0	583.4	572.0	562.3	545.5	516.3	495.2
135°	*609.4*	606.1	591.5	567.7	552.0	538.5	528.2	517.9	500.6	472.4	454.6
137.5°	*553.6*	550.9	537.9	521.7	501.7	493.6	486.5	474.1	458.9	433.5	417.2
140°	*495.2*	496.3	486.0	471.4	458.9	449.2	442.1	431.9	416.7	395.1	378.8
142.5°	*447.0*	448.6	436.2	425.9	414.5	407.0	399.9	391.3	376.7	357.2	344.7
145°	*401.6*	397.8	392.9	383.2	372.3	367.5	360.4	352.8	341.5	322.0	311.7
147.5°	*355.6*	354.5	349.6	343.1	334.4	326.9	321.5	317.1	305.8	289.5	280.3
150°	*313.9*	312.8	310.1	305.2	297.6	292.8	288.4	282.5	271.7	259.2	251.1
152.5°	*277.1*	277.1	275.5	269.0	265.7	260.3	254.9	251.6	240.8	230.5	223.5
155°	*245.2*	245.2	243.0	239.7	233.8	230.5	227.3	222.4	214.8	206.7	200.2
157.5°	*217.6*	218.1	215.4	212.7	208.4	205.6	202.4	197.5	192.7	185.1	180.2
160°	*193.2*	193.7	192.7	190.5	186.2	183.5	180.8	177.0	172.6	166.7	162.4
162.5°	*173.7*	173.2	172.1	169.9	167.2	165.6	162.4	159.6	155.9	151.5	147.7
165°	*158.6*	156.9	156.4	154.8	152.1	150.4	147.7	145.6	142.9	138.5	136.9
167.5°	*145.0*	145.0	144.0	142.9	140.7	138.5	136.4	134.8	132.6	129.9	127.7
170°	*134.2*	134.2	133.1	132.0	129.9	128.8	127.2	125.6	123.9	121.8	120.7
172.5°	*125.6*	125.6	125.0	123.4	122.3	120.7	120.1	118.5	116.9	115.8	114.7
175°	*119.1*	119.1	118.0	116.9	115.8	114.7	113.6	113.1	112.6	111.5	110.9
177.5°	*114.2*	113.6	113.1	112.0	110.9	110.4	109.9	109.3	109.3	108.8	108.2
180°	*107.7*	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	55.2	50.3	44.9	40.0	37.3	33.6	31.4	30.3	31.4	29.8
5°	65.5	56.8	48.2	41.7	34.6	29.2	24.4	19.5	16.2	15.7
7.5°	87.1	77.4	65.5	54.7	44.9	36.3	28.7	22.7	18.4	17.9
10°	115.3	100.7	85.5	70.4	56.3	44.9	35.7	29.2	27.1	26.5
12.5°	150.4	129.3	108.2	88.2	70.9	55.7	45.5	38.4	35.2	34.6
15°	187.2	160.7	133.7	107.7	84.4	66.0	53.0	45.5	41.7	41.1
17.5°	226.8	192.1	155.3	125.0	97.4	75.2	59.0	48.7	44.4	43.3
20°	266.8	223.5	181.3	141.8	108.2	81.2	62.2	50.3	44.9	43.8
22.5°	311.7	259.8	207.3	158.0	118.0	87.1	64.9	51.4	45.5	44.4
25°	362.6	296.6	234.3	177.0	128.8	92.5	67.6	53.0	46.0	44.9
27.5°	414.5	337.7	261.9	193.7	138.0	96.3	69.8	53.6	46.5	45.5
30°	467.0	378.8	290.1	210.0	146.1	100.7	70.9	54.1	46.5	46.0
32.5°	521.7	417.2	317.1	225.1	153.2	103.4	72.0	54.7	47.1	46.0
35°	570.9	457.8	342.6	239.7	159.6	105.5	72.5	54.7	47.1	46.0
37.5°	618.0	492.5	365.8	251.6	164.5	107.2	73.1	54.7	47.1	46.0
40°	667.3	529.3	386.9	262.5	168.3	108.2	73.1	54.7	47.1	46.5
42.5°	707.3	560.1	404.8	270.0	171.0	108.2	73.1	54.7	47.6	46.5
45°	743.6	585.6	422.1	277.1	172.6	108.2	72.5	55.2	47.6	47.1
47.5°	775.0	611.0	435.1	282.0	173.2	108.2	72.5	55.2	48.2	47.6
50°	804.2	631.6	446.5	285.7	173.7	107.7	72.5	55.7	48.7	47.6
52.5°	829.1	648.3	455.7	287.9	172.6	106.6	72.5	56.3	49.8	48.7
55°	850.2	664.0	462.2	289.0	171.6	106.1	72.5	56.8	50.3	49.8
57.5°	867.5	676.5	468.1	289.5	170.5	105.5	73.1	57.9	52.0	51.4
60°	883.2	686.8	472.4	289.5	169.4	105.0	73.6	59.0	53.0	52.5
62.5°	895.6	694.9	475.7	289.0	168.8	105.0	74.7	60.6	54.7	54.1
65°	904.3	700.8	477.3	287.9	167.8	105.5	75.8	62.2	56.8	56.3
67.5°	912.4	706.2	478.4	287.4	167.2	106.1	77.4	64.4	59.0	58.4
70°	917.3	709.5	478.9	286.8	166.7	107.2	79.0	66.6	61.7	61.2
72.5°	919.5	711.6	479.5	285.7	167.2	108.2	81.2	68.7	64.4	63.9
73°	*920.0*	*711.6*	*478.9*	*285.7*	*167.2*	*108.8*	*81.7*	*69.8*	*64.9*	*64.4*
75°	921.1	711.6	478.4	285.2	167.8	109.9	83.3	72.0	67.1	67.1
77.5°	919.5	710.6	477.3	284.7	168.3	112.0	86.0	74.7	70.4	69.8
80°	916.2	707.9	475.7	284.7	169.4	114.2	89.3	77.9	73.6	73.1
82.5°	909.2	703.0	473.5	284.1	171.0	116.9	92.5	81.2	77.4	76.8
85°	902.1	697.0	470.3	284.1	173.2	120.1	95.8	85.0	81.2	80.6
87.5°	891.3	690.0	467.0	283.6	175.3	122.8	99.0	88.8	84.4	84.4
90°	878.9	682.4	463.8	284.1	177.5	126.6	103.4	93.1	88.8	88.2
92.5°	866.4	673.8	460.0	285.2	181.3	130.4	107.7	97.4	93.1	92.0
95°	849.6	661.9	455.7	285.7	184.5	134.8	112.0	101.7	97.4	97.4
97.5°	832.3	651.0	450.8	287.4	188.9	140.2	118.0	107.2	102.8	102.8
100°	813.9	639.7	447.6	289.0	193.2	146.1	123.4	112.6	108.2	108.2
102.5°	794.4	627.2	444.3	292.2	199.7	152.1	129.9	119.1	114.2	114.2
105°	774.4	615.3	441.1	296.0	206.2	159.6	136.9	126.1	121.2	121.2
107.5°	754.9	604.0	438.4	300.9	213.2	167.2	144.0	133.1	128.3	127.2

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

Scaled Data Report

REPORT NUMBER: P1224026
CATALOG NUMBER: FFX-CLB-60-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	734.4	592.0	436.2	305.8	221.3	175.9	152.6	140.2	134.8	134.8
112.5°	712.2	579.6	434.6	310.6	230.0	184.5	160.2	147.7	142.3	141.2
115°	688.9	567.2	431.3	316.0	237.6	193.2	168.3	154.2	148.3	147.7
117.5°	666.2	552.5	427.5	319.8	244.6	200.2	174.8	160.7	154.2	153.7
120°	639.7	536.3	421.0	320.9	250.0	205.6	180.2	165.1	158.6	157.5
122.5°	610.4	515.2	411.8	319.8	252.7	209.4	183.5	168.3	160.7	160.2
125°	577.4	491.9	399.9	316.0	253.3	211.1	184.5	168.8	161.8	160.7
127.5°	542.8	468.7	384.2	308.5	250.0	210.0	183.5	167.8	160.2	159.6
130°	507.1	441.1	365.8	298.7	244.6	206.2	180.8	165.1	157.5	156.9
132.5°	471.4	411.8	345.8	285.7	237.0	200.2	175.9	160.7	153.7	152.6
135°	432.9	383.2	325.2	272.2	226.8	193.7	169.9	155.3	148.3	147.7
137.5°	397.8	353.4	304.1	257.1	217.0	185.1	163.4	149.9	144.0	142.9
140°	363.1	324.7	281.4	240.8	204.6	176.4	155.9	144.0	138.0	137.5
142.5°	331.2	298.2	261.4	225.1	193.2	167.8	149.4	138.0	133.1	132.0
145°	298.2	270.6	240.3	208.9	180.8	158.6	142.3	132.0	127.7	126.6
147.5°	269.5	245.2	219.2	192.7	169.4	149.4	135.3	126.6	122.8	122.3
150°	242.4	221.9	199.2	177.5	156.9	140.7	128.8	121.2	118.0	117.4
152.5°	218.1	200.2	181.8	163.4	146.1	133.1	122.8	116.4	113.6	113.6
155°	195.4	180.8	166.1	151.0	137.5	126.6	118.5	113.1	110.9	110.4
157.5°	175.9	164.5	152.6	140.2	129.9	120.7	114.2	110.4	108.2	108.2
160°	159.1	150.4	140.7	131.5	123.4	115.8	110.9	107.7	106.1	106.1
162.5°	145.6	138.5	131.0	123.9	116.9	112.0	108.2	106.1	105.0	105.0
165°	134.2	129.3	123.9	118.0	113.1	109.3	106.6	105.0	104.4	104.4
167.5°	126.1	121.8	117.4	113.6	110.4	107.2	105.5	104.4	104.4	103.9
170°	119.1	116.4	112.6	109.9	107.2	105.5	104.4	103.9	103.9	103.4
172.5°	113.6	111.5	109.3	107.2	105.5	104.4	103.9	103.9	103.9	103.9
175°	110.4	108.8	107.2	106.1	105.0	103.9	103.9	104.4	104.4	104.4
177.5°	107.7	107.2	106.1	105.5	105.0	105.0	105.0	105.5	106.1	106.1
180°	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7

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

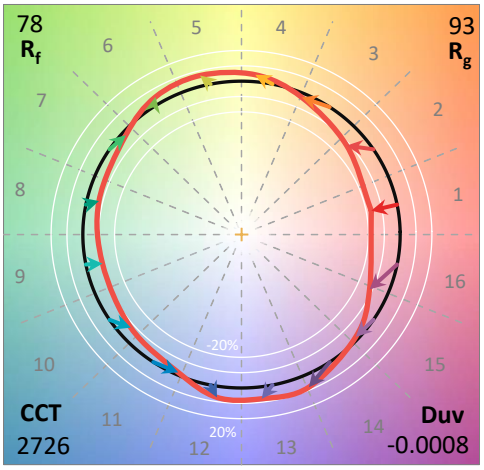
Test Information

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

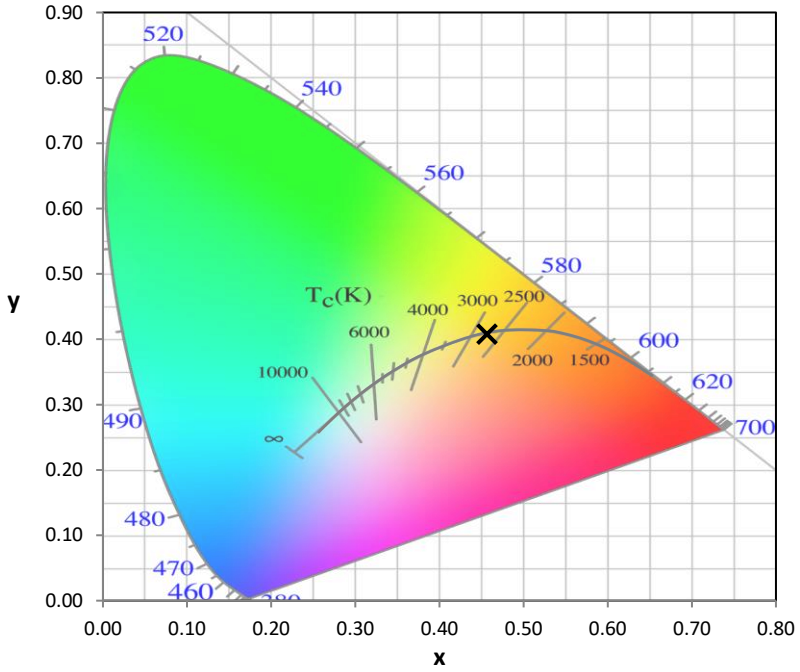
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

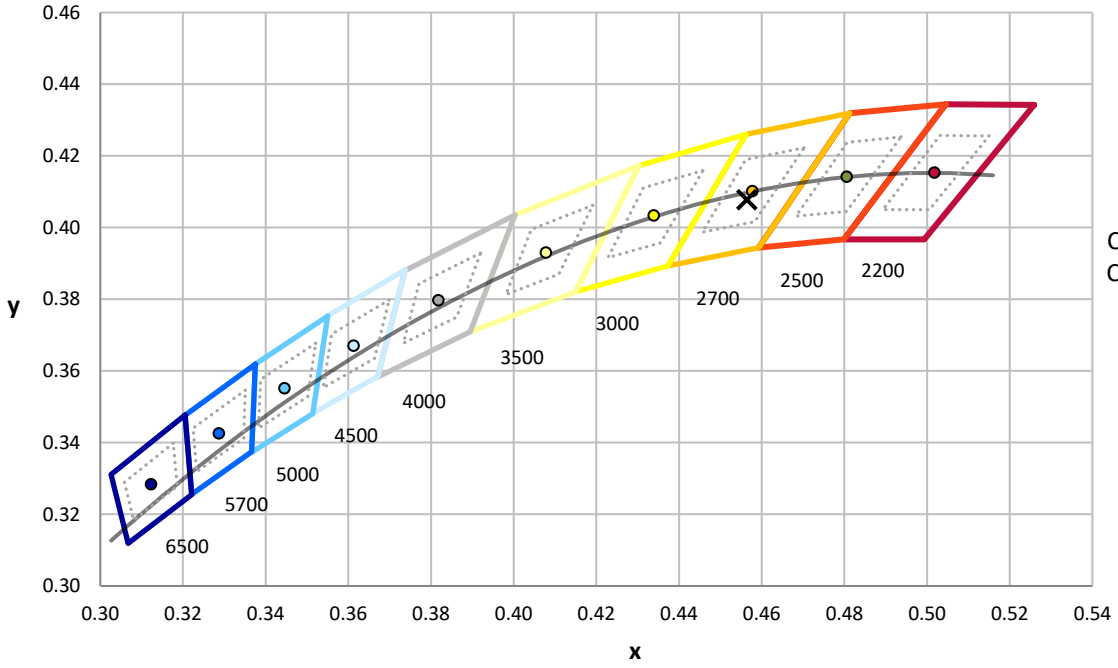
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

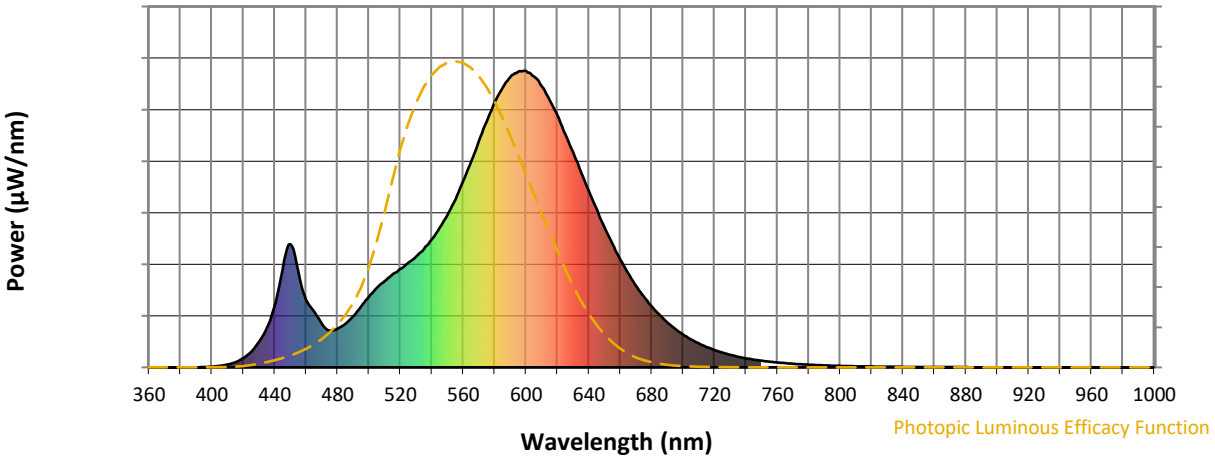


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

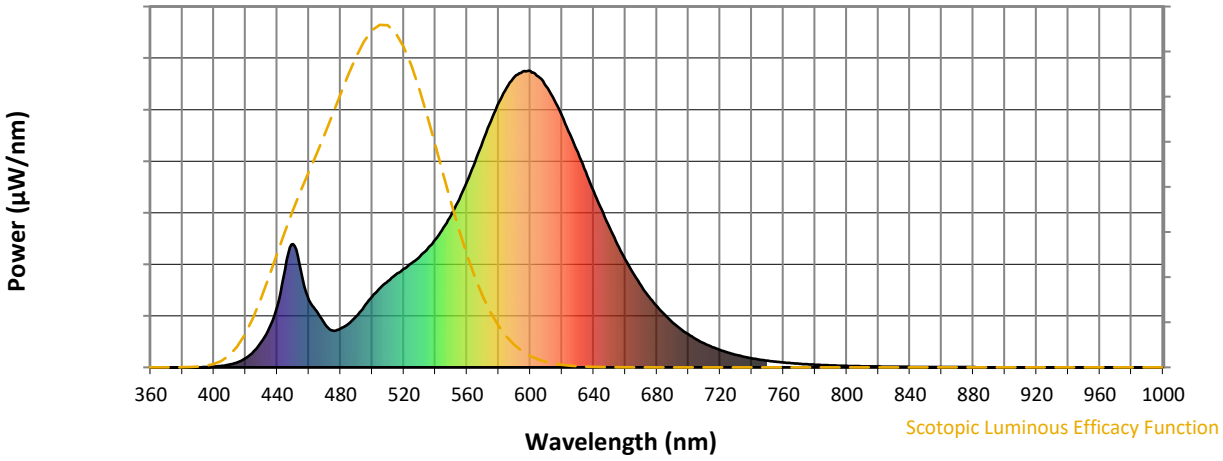


Photopic Lumens: NR

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

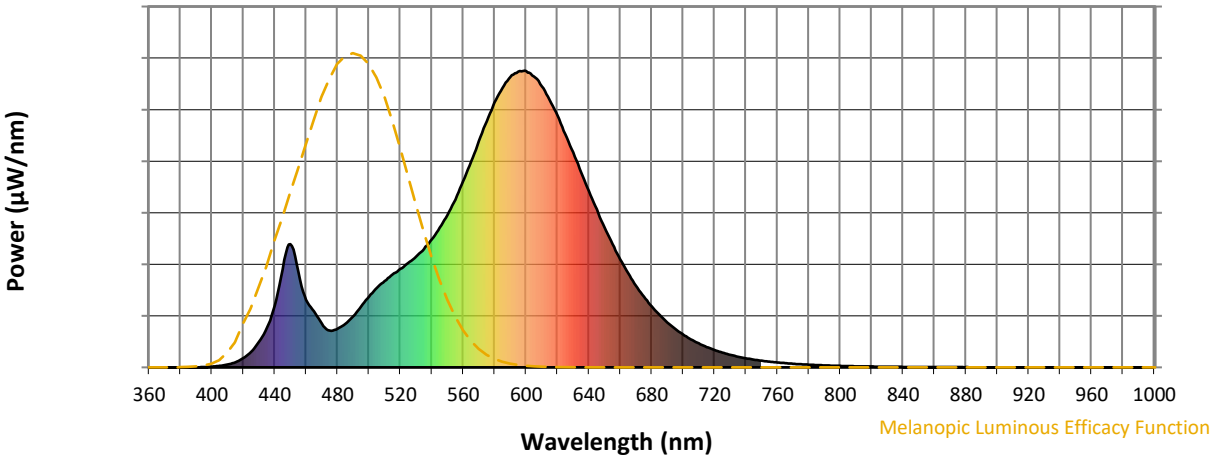


Scotopic Lumens: NR **S/P: 1.16**

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			

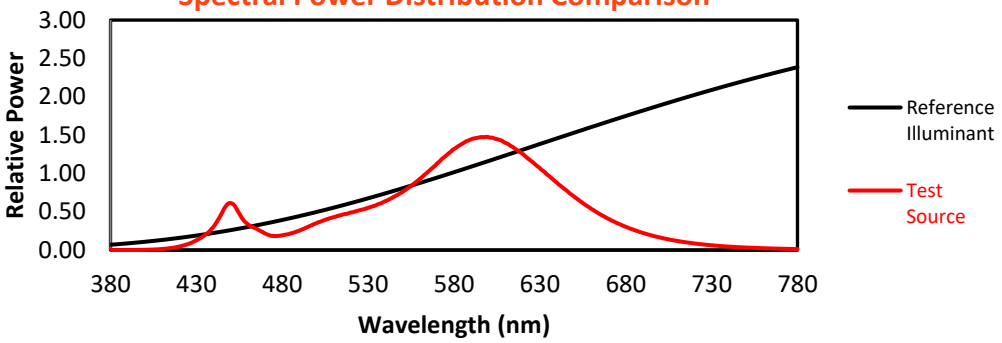
REPORT NUMBER: SP1-2501-332-3

TM-30-18

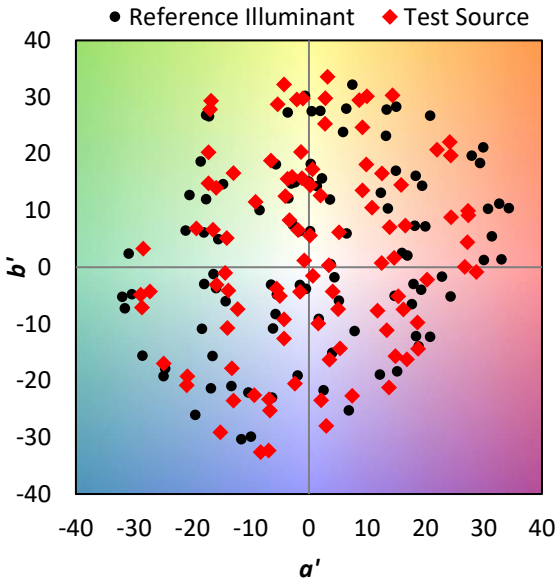
Summary

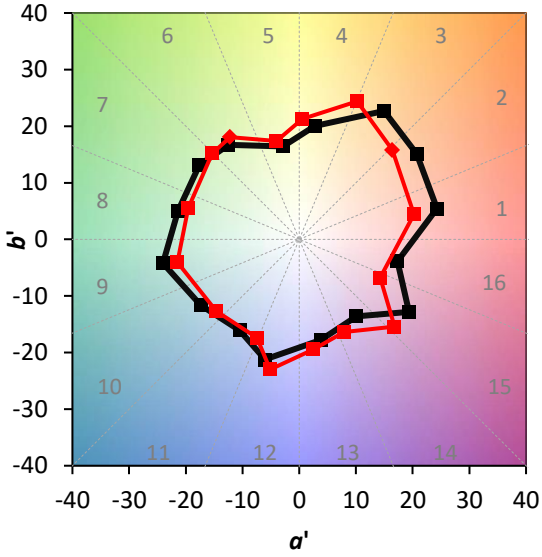
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

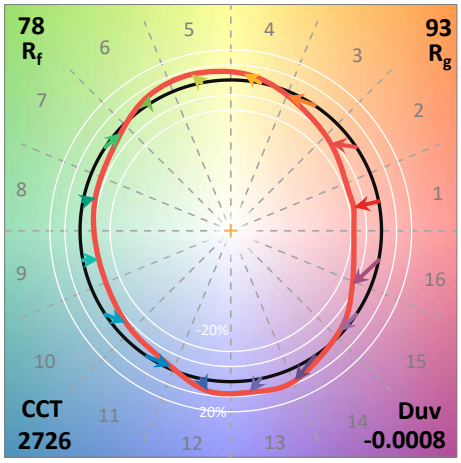
Spectral Power Distribution Comparison

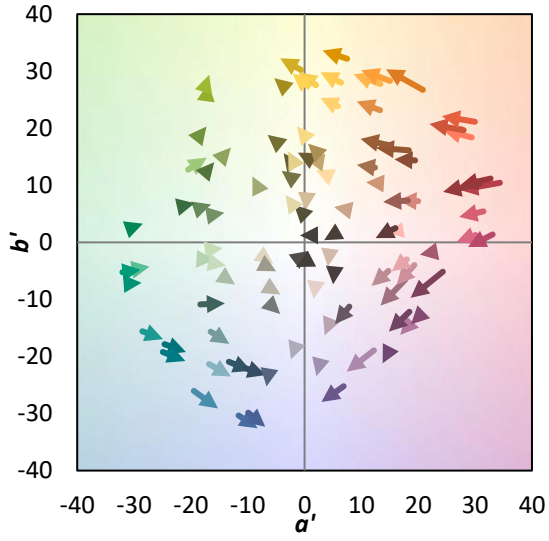


Color Vector Graphics







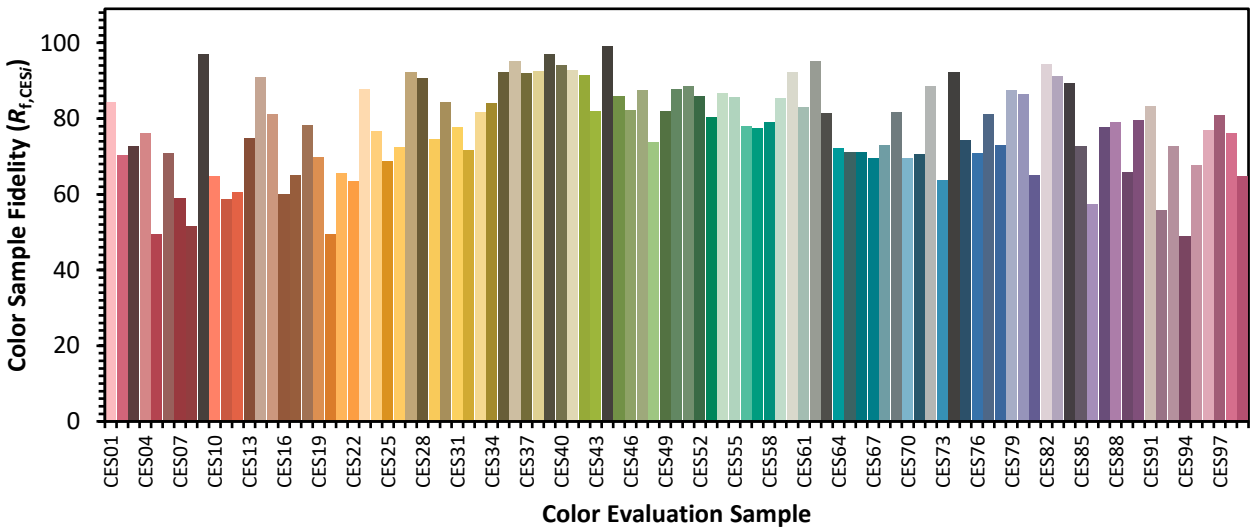


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

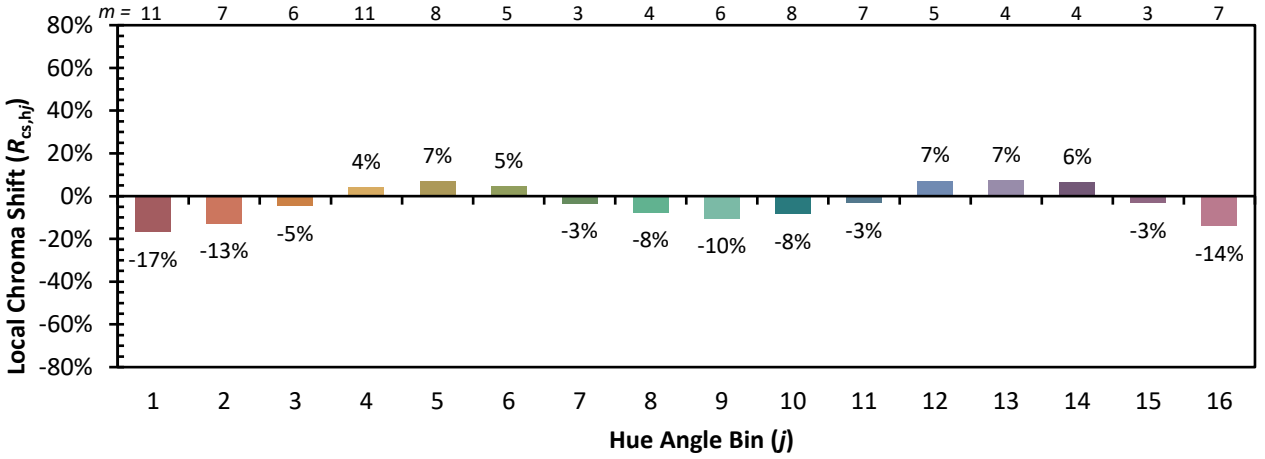
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

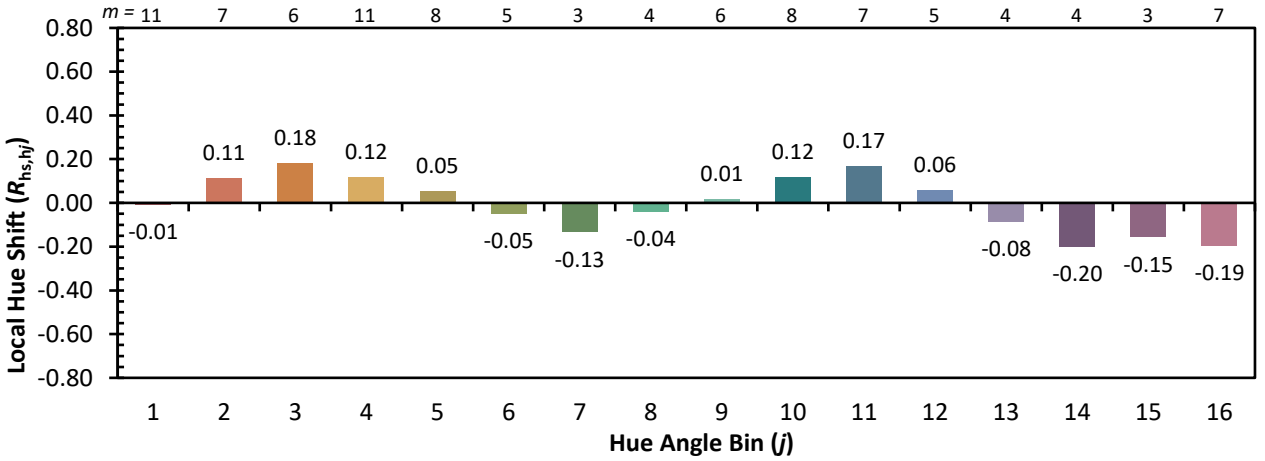


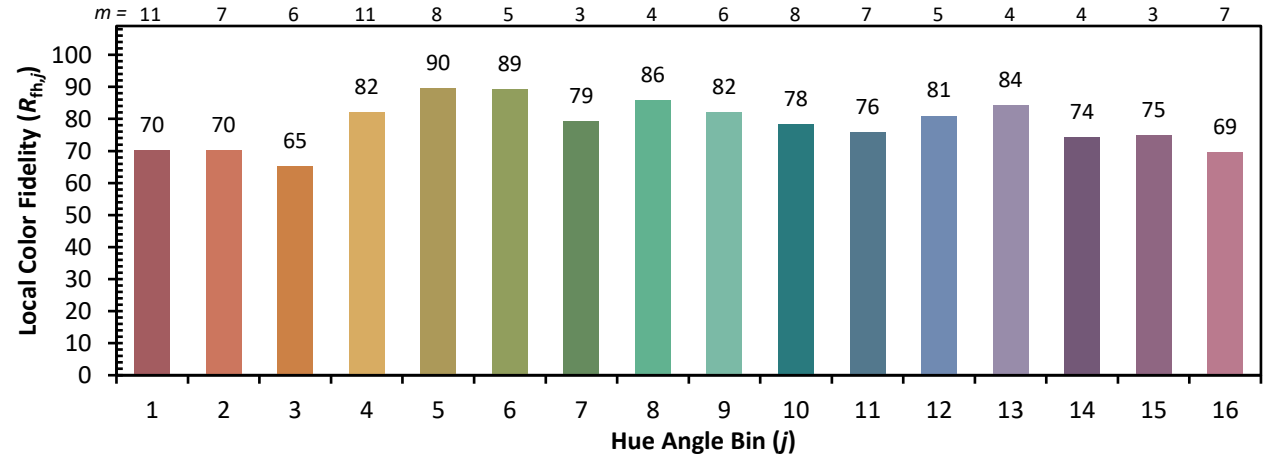
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Color Rendition by Hue-Angle Bin



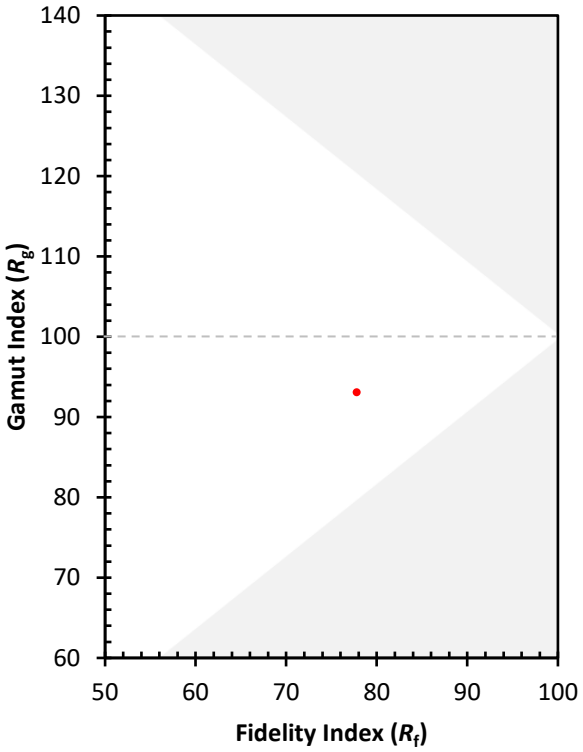


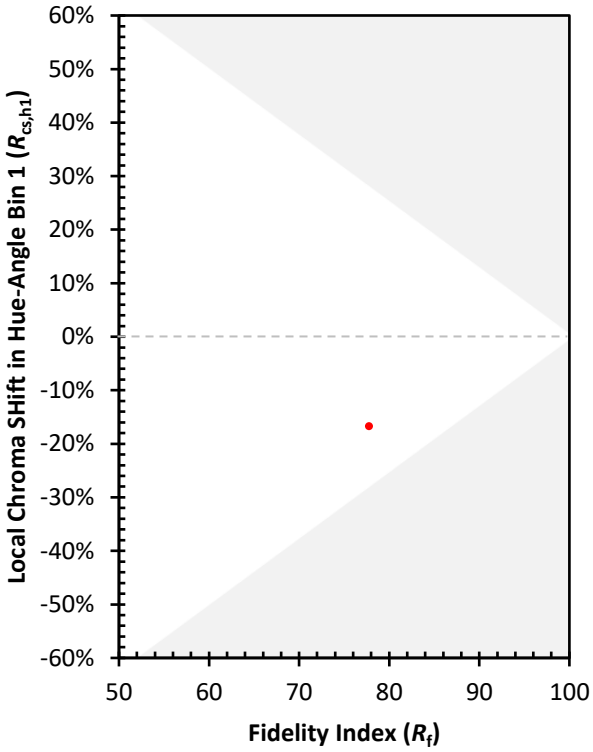


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Measure Comparisons





(END OF REPORT)