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: P1045969

Luminaire Tested: **FFX-CLB-70-727-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045969
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7217 lumens
Efficiency:	N/A
Efficacy:	101.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

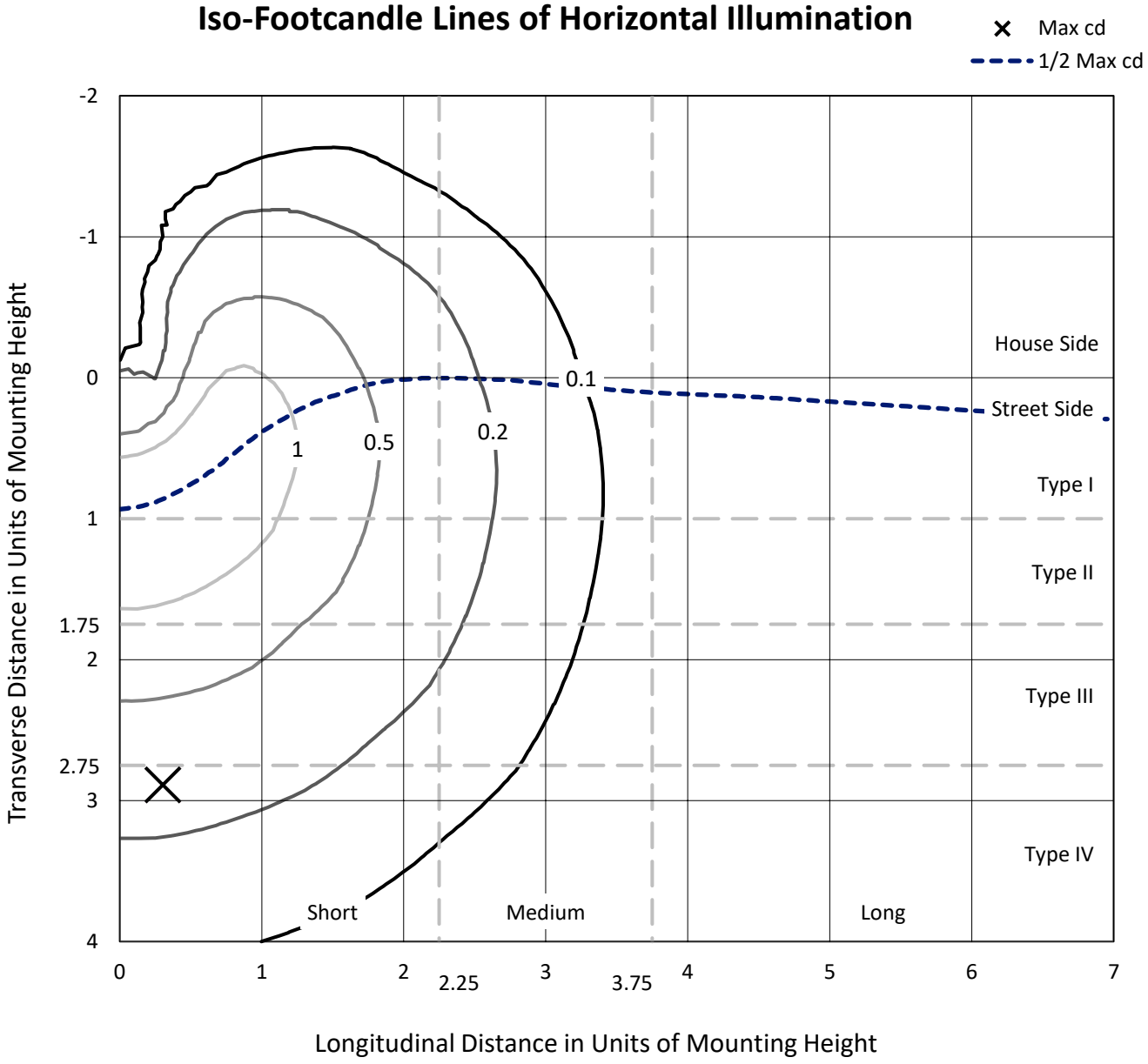


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Iso-Footcandle Lines of Horizontal Illumination



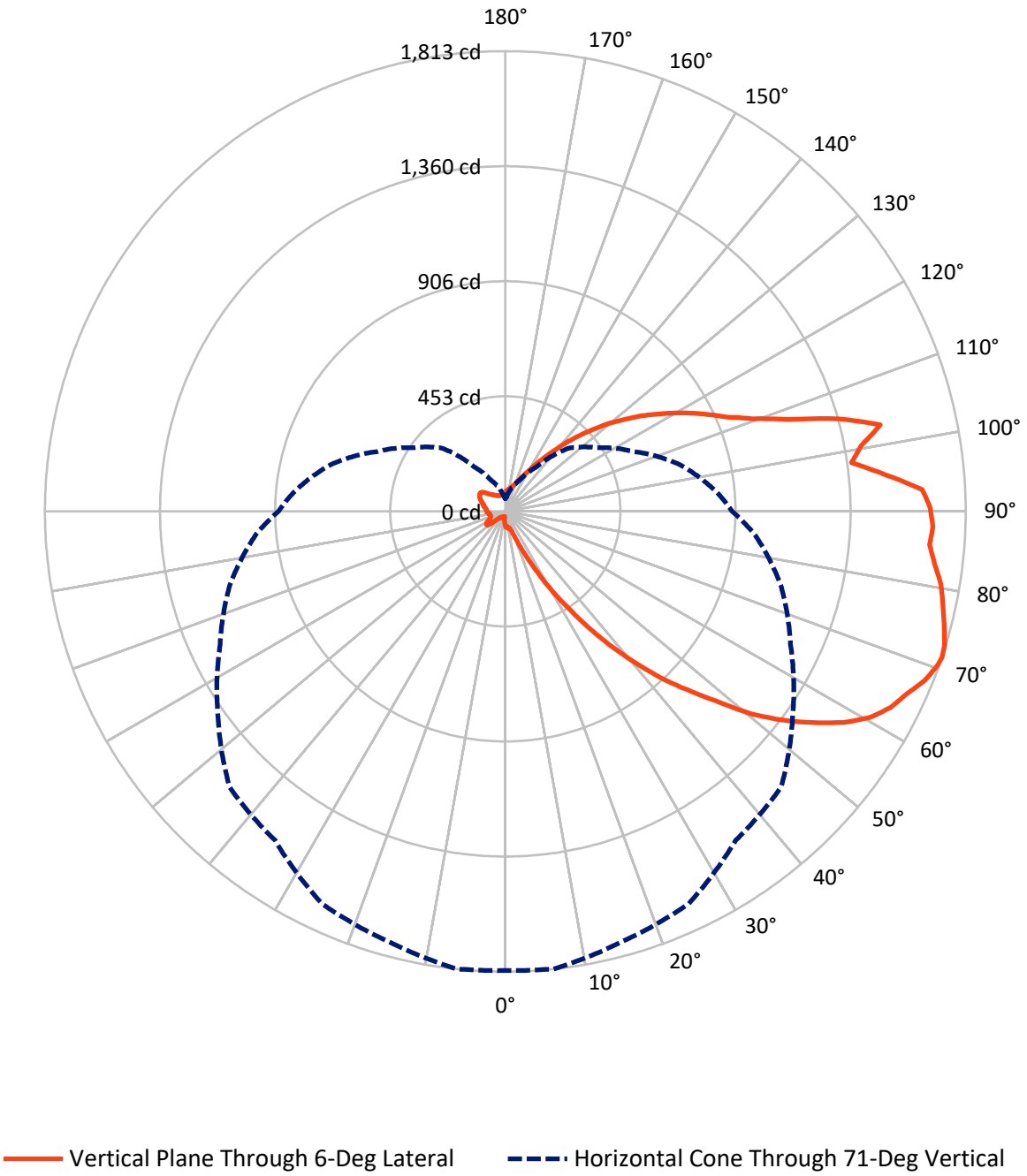
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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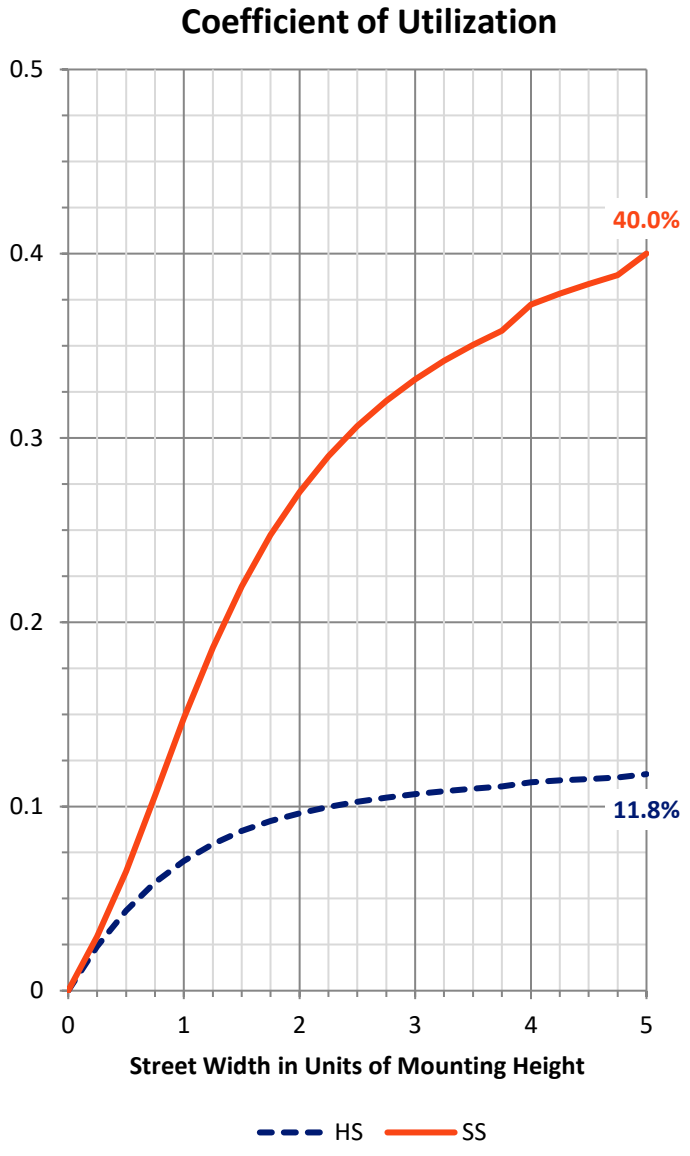
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	926.7	734.9	1661.6
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3380.6	2174.7	5555.3
	% Fixture	46.8	30.1	77.0
Total	Lumens	4307.3	2909.6	7217.0
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	15.1	0.2
20°-30°	68.5	0.9
30°-40°	229.2	3.2
40°-50°	467.0	6.5
50°-60°	718.4	10.0
60°-70°	894.0	12.4
70°-80°	956.1	13.2
80°-90°	954.4	13.2
90°-100°	862.5	12.0
100°-110°	754.5	10.5
110°-120°	514.3	7.1
120°-130°	363.3	5.0
130°-140°	220.2	3.1
140°-150°	111.6	1.5
150°-160°	52.1	0.7
160°-170°	23.9	0.3
170°-180°	7.4	0.1
0°-90°	4307.3	59.7
0°-180°	7217.0	100.0



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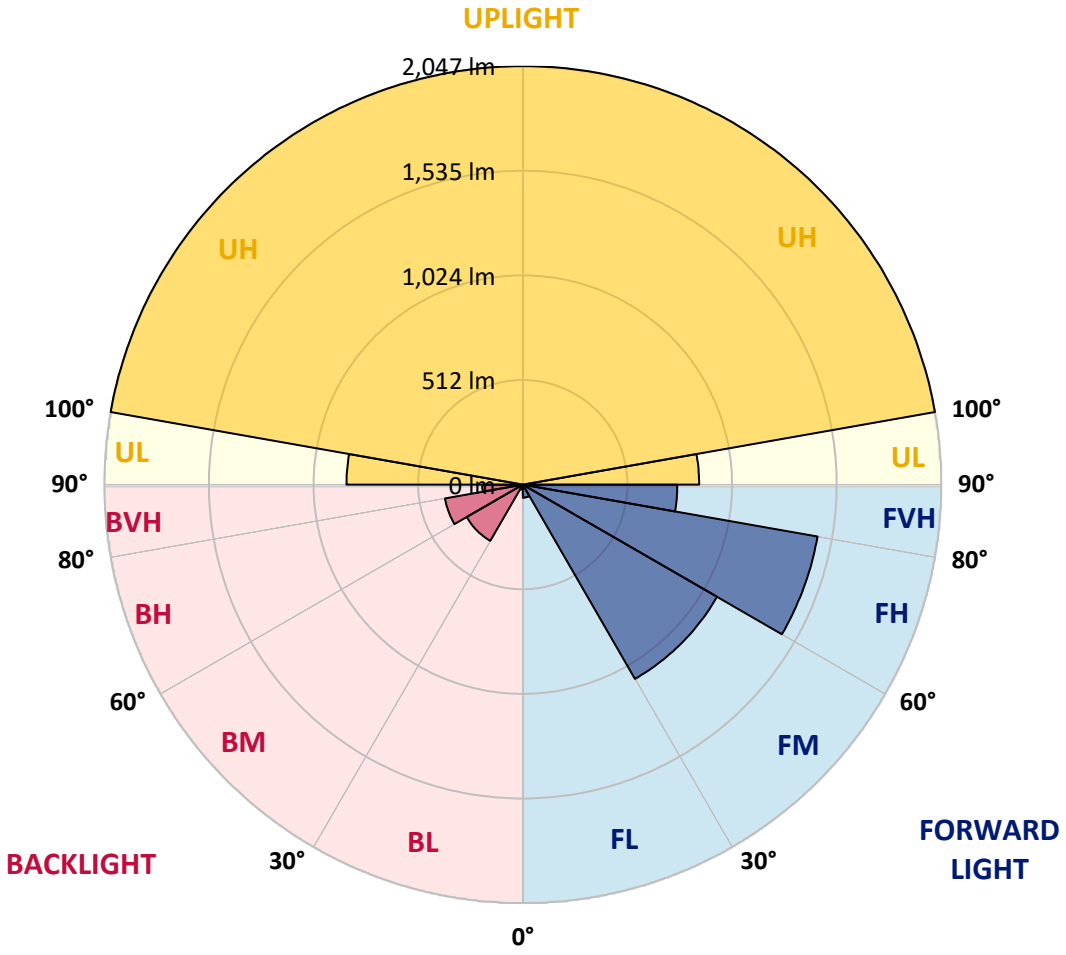
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	63.8	0.9			
FM	(30°-60°)	1097.2	15.2			
FH	(60°-80°)	1463.8	20.3			G1/1800
FVH	(80°-90°)	755.8	10.5			G5
BL	(0°-30°)	24.5	0.3	B0/110		
BM	(30°-60°)	317.4	4.4	B1/1000		
BH	(60°-80°)	386.3	5.4	B1/500		G1/500
BVH	(80°-90°)	198.6	2.8			G2/225
UL	(90°-100°)	862.5	12.0		U4/1000	
UH	(100°-180°)	2047.1	28.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	63.5	63.5	63.5	63.5	63.5	63.5	62.7	61.1	60.3	59.6	58.8
5°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	59.6	58.8	57.2	55.6
7.5°	60.3	60.3	60.3	60.3	59.6	58.8	58.0	57.2	56.4	53.3	50.2
10°	65.8	66.6	65.8	65.8	63.5	61.1	59.6	57.2	55.6	54.1	50.2
12.5°	69.8	69.8	69.8	69.0	67.4	65.8	62.7	58.8	55.6	52.5	49.4
15°	72.1	72.1	72.1	72.1	70.5	68.2	65.8	62.7	59.6	55.6	51.7
17.5°	81.5	81.5	81.5	80.7	79.2	77.6	76.0	74.5	72.1	68.2	64.3
20°	107.4	109.7	108.9	106.6	105.0	103.5	104.2	102.7	101.1	95.6	89.3
22.5°	148.9	152.0	151.3	152.0	149.7	148.1	147.3	148.9	145.8	137.9	126.2
25°	209.3	209.3	206.9	213.2	214.0	206.1	207.7	206.9	204.6	190.4	171.6
27.5°	276.7	275.1	274.3	284.5	286.1	282.9	286.1	280.6	272.7	257.1	233.6
30°	355.0	361.3	364.4	366.0	370.7	373.8	377.8	373.1	351.9	333.1	300.2
32.5°	454.6	450.6	449.9	466.3	474.9	475.7	485.1	471.8	448.3	413.0	369.9
35°	564.3	554.9	556.5	566.6	580.7	590.9	598.0	572.1	547.8	501.6	445.2
37.5°	667.7	668.5	667.7	671.7	698.3	701.4	703.0	674.0	638.7	590.9	520.4
40°	773.5	775.1	779.0	791.6	819.8	814.3	801.8	775.9	730.4	676.4	593.3
42.5°	882.5	892.7	895.0	901.3	920.9	919.3	898.2	869.2	816.7	749.3	656.0
45°	999.3	997.7	1001.6	1010.2	1025.9	1025.9	988.3	946.0	888.8	812.7	712.4
47.5°	1109.8	1121.5	1114.5	1135.6	1127.8	1133.3	1069.0	1017.3	954.6	864.5	759.4
50°	1249.3	1255.5	1253.2	1250.8	1227.3	1227.3	1161.5	1091.7	1021.2	914.6	806.5
52.5°	1367.6	1370.0	1366.1	1356.6	1323.7	1312.8	1235.2	1154.4	1080.0	973.4	851.9
55°	1477.3	1461.7	1468.7	1453.8	1402.1	1390.3	1316.7	1202.3	1131.7	1015.7	891.1
57.5°	1558.1	1566.7	1569.0	1536.9	1485.2	1437.4	1388.0	1259.5	1170.9	1055.7	917.0
60°	1627.0	1650.6	1649.0	1600.4	1554.9	1469.5	1442.1	1309.6	1196.8	1091.0	945.2
62.5°	1678.8	1703.8	1702.3	1663.1	1622.3	1502.4	1471.9	1339.4	1212.4	1109.0	966.3
65°	1729.7	1741.5	1736.0	1720.3	1671.7	1533.0	1500.1	1352.7	1225.8	1116.8	974.2
67.5°	1781.4	1780.7	1779.9	1757.9	1705.4	1561.2	1522.8	1372.3	1239.1	1125.4	979.7
70°	1807.3	1808.9	1808.1	1761.8	1713.2	1580.0	1535.3	1382.5	1242.2	1125.4	984.4
71°	1808.9	1811.2	1812.8	1757.1	1706.2	1581.6	1536.1	1382.5	1239.1	1123.1	982.0
72.5°	1797.9	1809.6	1808.1	1745.4	1696.0	1579.2	1530.6	1376.2	1234.4	1113.7	975.0
75°	1773.6	1794.8	1785.4	1721.9	1670.1	1563.6	1515.7	1370.0	1222.6	1101.2	968.7
77.5°	1752.4	1776.7	1761.1	1702.3	1656.0	1552.6	1507.9	1371.5	1214.0	1093.3	966.3
80°	1738.3	1751.7	1739.1	1690.5	1644.3	1540.0	1502.4	1372.3	1211.7	1089.4	959.3
82.5°	1717.2	1711.7	1703.1	1664.7	1617.6	1517.3	1480.5	1359.8	1206.2	1081.6	951.5
85°	1698.4	1675.6	1675.6	1641.1	1593.3	1499.3	1454.6	1344.9	1196.8	1073.7	942.1
87.5°	1709.3	1678.8	1685.0	1652.1	1599.6	1501.6	1449.9	1343.3	1200.7	1075.3	936.6
90°	1698.4	1669.4	1672.5	1638.0	1576.9	1477.3	1414.6	1312.0	1175.6	1053.3	917.0
92.5°	1679.5	1649.0	1644.3	1609.0	1547.1	1453.0	1387.2	1291.6	1156.0	1036.1	909.9
95°	1534.6	1512.6	1503.2	1478.1	1430.3	1348.0	1296.3	1204.6	1069.8	960.1	851.1
97.5°	1385.6	1389.6	1376.2	1346.5	1293.9	1229.7	1172.5	1084.7	971.1	876.2	770.4
100°	1444.4	1438.9	1425.6	1385.6	1330.8	1258.7	1191.3	1106.6	996.1	910.7	793.9
102.5°	1508.7	1521.2	1515.7	1465.6	1403.7	1345.7	1294.7	1210.1	1088.6	998.5	873.9
105°	1333.1	1358.2	1363.7	1324.5	1279.1	1230.5	1185.8	1126.2	1021.2	928.7	830.8
107.5°	1162.3	1166.2	1170.1	1140.3	1117.6	1074.5	1029.8	975.8	895.8	825.3	729.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1043.9	1047.9	*1041.6*	1029.0	1005.5	972.6	923.2	885.6	815.9	756.3	669.3
112.5°	949.9	953.8	*949.1*	933.4	912.3	886.4	834.7	803.3	743.8	688.1	609.7
115°	889.5	894.2	*886.4*	869.9	851.9	837.8	793.1	746.9	692.8	643.4	576.0
117.5°	832.3	841.7	*823.7*	819.0	805.7	791.6	740.6	699.9	652.9	608.2	554.1
120°	769.6	777.5	*762.6*	757.1	749.3	735.1	687.3	650.5	612.9	572.9	521.2
122.5°	719.5	708.5	*701.4*	701.4	692.0	682.6	633.3	602.7	572.9	539.2	485.9
125°	662.3	647.4	*644.2*	649.7	638.0	625.4	586.2	558.8	536.1	502.4	449.9
127.5°	598.0	583.9	*583.9*	586.2	579.2	566.6	540.8	518.1	503.9	467.9	415.4
130°	537.6	529.8	*531.4*	525.9	518.8	508.6	489.8	473.4	461.6	425.6	387.9
132.5°	465.5	474.2	*474.2*	464.8	463.2	455.4	440.5	432.6	414.6	384.8	353.5
135°	414.6	421.7	*420.9*	412.2	411.5	406.8	395.8	388.7	371.5	346.4	320.5
137.5°	371.5	371.5	*369.9*	364.4	361.3	360.5	350.3	343.3	326.8	309.6	288.4
140°	329.2	322.1	*319.8*	320.5	315.8	315.1	306.4	297.8	290.0	273.5	256.3
142.5°	285.3	280.6	*278.2*	275.1	273.5	271.2	265.7	258.6	250.8	239.8	224.1
145°	243.7	243.7	*242.2*	239.0	239.0	235.9	230.4	226.5	219.4	207.7	195.2
147.5°	211.6	209.3	*209.3*	208.5	206.1	204.6	199.9	194.4	189.7	180.3	168.5
150°	181.8	181.8	*180.3*	181.8	180.3	177.9	174.8	170.1	164.6	157.5	148.1
152.5°	158.3	159.1	*157.5*	159.9	158.3	156.7	152.8	149.7	143.4	137.2	130.9
155°	141.1	141.9	*141.1*	140.3	140.3	137.9	136.4	131.7	127.7	122.3	116.8
157.5°	125.4	126.2	*126.2*	126.2	126.2	123.8	120.7	117.6	114.4	109.7	105.0
160°	115.2	114.4	*114.4*	113.6	112.9	112.1	109.7	106.6	104.2	100.3	96.4
162.5°	105.0	105.0	*105.0*	104.2	103.5	102.7	101.1	98.0	95.6	92.5	89.3
165°	98.0	98.0	*98.0*	98.0	96.4	95.6	94.0	91.7	90.1	87.0	83.9
167.5°	93.3	93.3	*93.3*	92.5	91.7	90.9	90.1	87.8	86.2	83.9	81.5
170°	89.3	89.3	*89.3*	89.3	88.6	87.0	86.2	84.6	83.1	81.5	79.2
172.5°	85.4	85.4	*85.4*	85.4	84.6	84.6	83.9	82.3	81.5	79.2	78.4
175°	82.3	82.3	*82.3*	82.3	81.5	81.5	80.7	79.9	79.2	78.4	76.8
177.5°	79.9	79.9	*79.9*	79.9	79.2	79.2	79.2	78.4	77.6	76.8	76.8
180°	76.8	76.8	*76.8*	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	58.8	58.8	57.2	56.4	55.6	54.1	52.5	50.2	50.2	50.2	49.4
5°	54.9	54.1	52.5	50.2	49.4	48.6	47.0	43.9	40.0	36.8	36.8
7.5°	50.9	47.0	43.1	41.5	39.2	35.3	31.3	26.6	21.2	20.4	20.4
10°	47.8	45.5	40.8	36.8	32.9	32.1	29.0	24.3	21.9	19.6	19.6
12.5°	47.0	45.5	40.0	35.3	30.6	28.2	25.9	23.5	21.2	19.6	19.6
15°	49.4	47.8	42.3	36.8	31.3	28.2	25.1	22.7	21.9	21.2	21.2
17.5°	61.9	59.6	51.7	43.1	36.1	31.3	27.4	25.1	24.3	23.5	23.5
20°	83.9	79.9	69.0	57.2	46.2	36.1	30.6	26.6	25.9	25.1	25.1
22.5°	119.1	112.1	93.3	75.2	58.8	45.5	35.3	28.2	25.9	25.1	25.1
25°	162.2	152.8	125.4	98.8	74.5	58.0	43.1	32.1	25.9	24.3	24.3
27.5°	219.4	203.0	166.2	132.5	99.5	73.7	54.1	38.4	28.2	24.3	23.5
30°	279.8	259.4	212.4	167.7	126.2	92.5	66.6	46.2	32.1	24.3	23.5
32.5°	345.6	318.2	266.5	210.8	156.7	114.4	81.5	54.1	36.8	25.9	24.3
35°	413.0	382.5	318.2	256.3	188.1	136.4	97.2	62.7	40.0	27.4	25.9
37.5°	481.2	446.7	377.0	297.0	218.7	159.1	112.9	72.1	43.1	29.0	27.4
40°	549.4	507.9	431.1	335.4	248.4	181.8	127.7	79.9	45.5	31.3	30.6
42.5°	602.7	560.4	475.7	367.6	279.8	202.2	142.6	86.2	47.8	35.3	33.7
45°	651.3	606.6	513.3	396.6	304.1	226.5	159.9	96.4	52.5	40.0	38.4
47.5°	700.7	656.8	552.5	424.8	327.6	250.8	180.3	107.4	65.1	51.7	50.9
50°	743.8	695.2	594.9	463.2	357.4	273.5	201.4	120.7	76.8	75.2	76.0
52.5°	785.3	736.7	630.9	491.4	377.8	301.0	221.8	126.2	87.0	88.6	90.1
55°	831.5	775.1	659.9	513.3	389.5	319.0	233.6	130.9	96.4	90.1	88.6
57.5°	862.9	797.8	683.4	537.6	402.1	330.0	234.3	136.4	104.2	87.0	84.6
60°	884.1	810.4	696.0	551.0	419.3	340.1	232.0	137.2	108.9	79.9	72.9
62.5°	898.2	826.8	706.9	554.1	432.6	348.0	231.2	134.0	107.4	71.3	65.8
65°	904.4	840.9	717.1	555.7	435.0	353.5	231.2	132.5	105.0	62.7	56.4
67.5°	904.4	845.7	721.0	558.8	433.4	355.0	224.1	137.2	101.9	59.6	51.7
70°	899.7	843.3	715.6	558.0	436.5	353.5	216.3	137.2	97.2	59.6	49.4
71°	*893.5*	*838.6*	*711.6*	*557.2*	*437.3*	*351.9*	*213.2*	*136.4*	*94.8*	*58.0*	*50.2*
72.5°	884.8	831.5	704.6	555.7	435.0	347.2	206.9	137.2	92.5	57.2	50.9
75°	875.4	826.1	699.1	549.4	434.2	340.1	195.9	134.8	91.7	58.0	52.5
77.5°	872.3	826.8	696.0	547.8	434.2	336.2	188.1	133.2	90.1	58.8	55.6
80°	865.2	825.3	689.7	543.9	432.6	329.2	185.7	133.2	88.6	59.6	57.2
82.5°	858.2	821.4	684.2	540.0	430.3	319.8	183.4	132.5	87.0	61.9	60.3
85°	851.9	820.6	684.2	537.6	429.5	314.3	182.6	131.7	86.2	64.3	62.7
87.5°	851.9	824.5	691.3	543.9	436.5	314.3	185.7	133.2	87.0	67.4	66.6
90°	836.2	807.2	680.3	540.0	438.9	315.1	188.9	137.2	90.1	70.5	69.0
92.5°	831.5	799.4	677.1	543.9	442.0	315.1	192.8	141.1	92.5	72.1	70.5
95°	779.8	743.8	637.2	516.5	422.4	306.4	194.4	140.3	94.0	72.9	72.1
97.5°	707.7	668.5	568.2	459.3	373.8	275.1	177.1	131.7	93.3	75.2	73.7
100°	732.0	685.8	580.7	467.1	367.6	269.6	174.0	127.7	95.6	78.4	76.8
102.5°	799.4	749.3	638.7	517.3	400.5	297.8	194.4	135.6	100.3	82.3	79.9
105°	759.4	703.8	616.8	500.8	390.3	297.8	195.2	137.9	105.0	85.4	83.9
107.5°	670.9	619.2	543.1	445.9	357.4	275.1	185.0	134.0	108.9	89.3	87.0

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

Scaled Data Report

REPORT NUMBER: P1045969
CATALOG NUMBER: FFX-CLB-70-727-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	619.9	564.3	494.5	406.8	332.3	255.5	177.9	131.7	111.3	94.0	90.9
112.5°	565.9	518.1	450.6	373.8	309.6	235.9	173.2	130.9	112.9	98.8	95.6
115°	535.3	485.9	427.9	353.5	294.7	229.6	171.6	134.8	118.3	105.0	101.9
117.5°	508.6	467.9	416.2	337.8	284.5	227.3	174.8	139.5	122.3	110.5	106.6
120°	481.2	443.6	396.6	325.3	275.9	219.4	175.6	141.9	125.4	115.2	112.9
122.5°	464.8	422.4	376.2	314.3	265.7	214.0	174.8	145.0	126.2	117.6	117.6
125°	434.2	400.5	354.2	300.2	250.8	210.8	174.8	143.4	128.5	120.7	119.1
127.5°	400.5	378.5	332.3	284.5	240.6	203.0	170.1	143.4	127.7	120.7	120.7
130°	369.1	349.5	311.9	263.3	231.2	192.0	163.0	136.4	123.0	118.3	118.3
132.5°	333.9	321.3	286.1	243.0	212.4	178.7	153.6	126.2	115.2	111.3	111.3
135°	301.7	290.0	257.1	221.0	193.6	166.2	142.6	119.1	105.8	101.1	101.1
137.5°	272.0	261.0	232.0	201.4	176.3	153.6	131.7	112.1	98.8	93.3	94.0
140°	241.4	228.1	208.5	182.6	159.9	141.9	120.7	105.0	92.5	87.8	87.0
142.5°	214.0	203.8	185.7	163.8	144.2	130.1	111.3	98.0	87.8	83.1	82.3
145°	188.9	180.3	164.6	146.6	130.9	117.6	102.7	91.7	83.1	79.2	78.4
147.5°	162.2	156.7	145.0	130.9	117.6	105.8	95.6	85.4	79.9	75.2	74.5
150°	142.6	138.7	129.3	117.6	107.4	98.0	90.1	80.7	76.0	72.9	72.1
152.5°	127.0	123.0	115.2	106.6	98.0	90.9	83.9	77.6	72.9	70.5	69.8
155°	113.6	110.5	104.2	97.2	90.1	83.9	78.4	73.7	70.5	68.2	68.2
157.5°	103.5	100.3	95.6	89.3	83.9	78.4	74.5	70.5	69.0	66.6	66.6
160°	94.8	92.5	88.6	83.1	78.4	74.5	71.3	68.2	67.4	65.8	65.8
162.5°	87.8	86.2	82.3	78.4	75.2	72.1	69.8	67.4	65.8	65.1	65.1
165°	83.1	81.5	79.2	76.0	72.9	70.5	69.0	66.6	65.8	65.8	65.1
167.5°	80.7	79.2	76.8	73.7	71.3	70.5	69.0	67.4	66.6	66.6	65.8
170°	78.4	77.6	76.0	73.7	71.3	70.5	69.8	68.2	68.2	67.4	67.4
172.5°	77.6	76.8	75.2	73.7	72.1	71.3	70.5	69.8	69.8	69.8	69.0
175°	76.8	76.8	75.2	73.7	72.9	72.9	72.1	71.3	71.3	71.3	71.3
177.5°	76.8	76.0	76.0	75.2	74.5	74.5	74.5	73.7	73.7	73.7	73.7
180°	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8

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

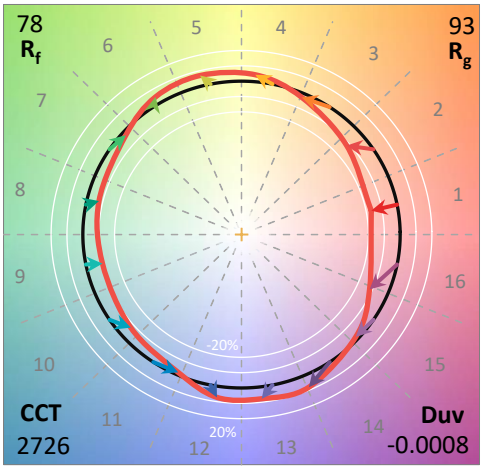
Test Information

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

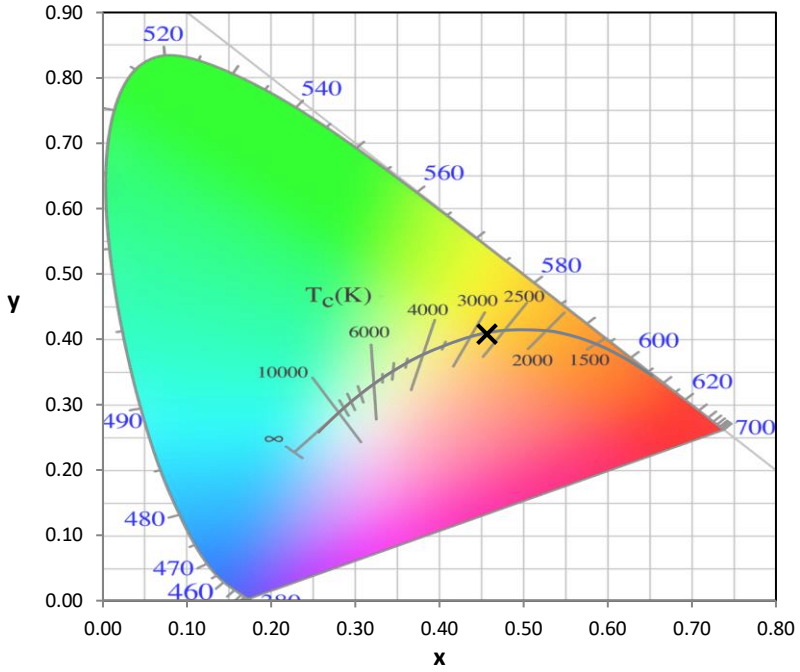
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

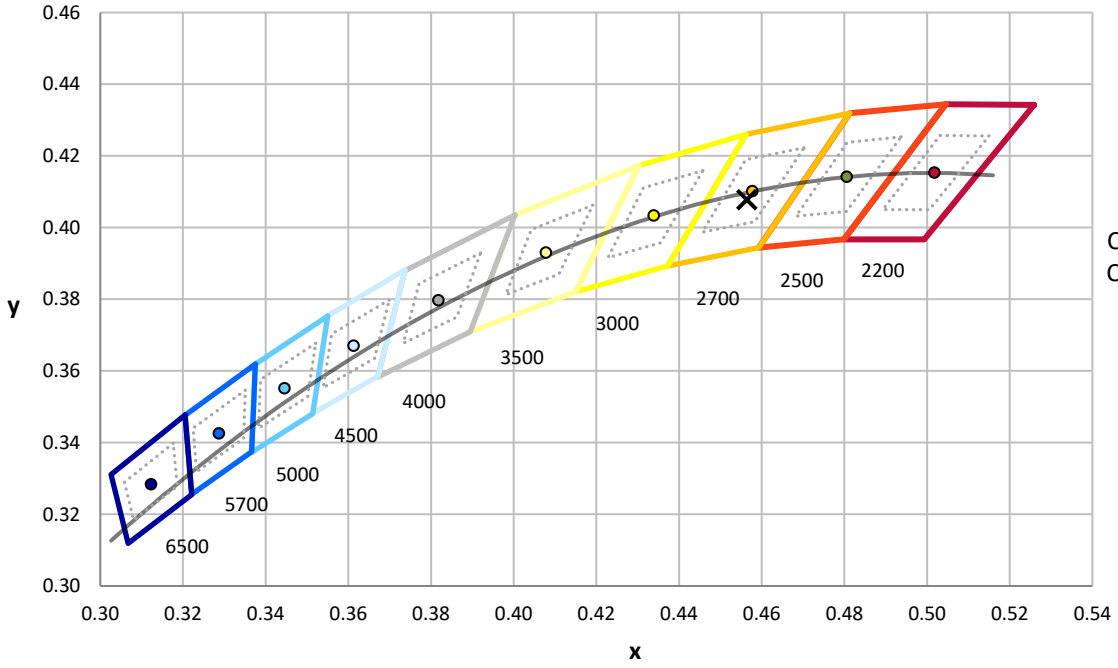
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

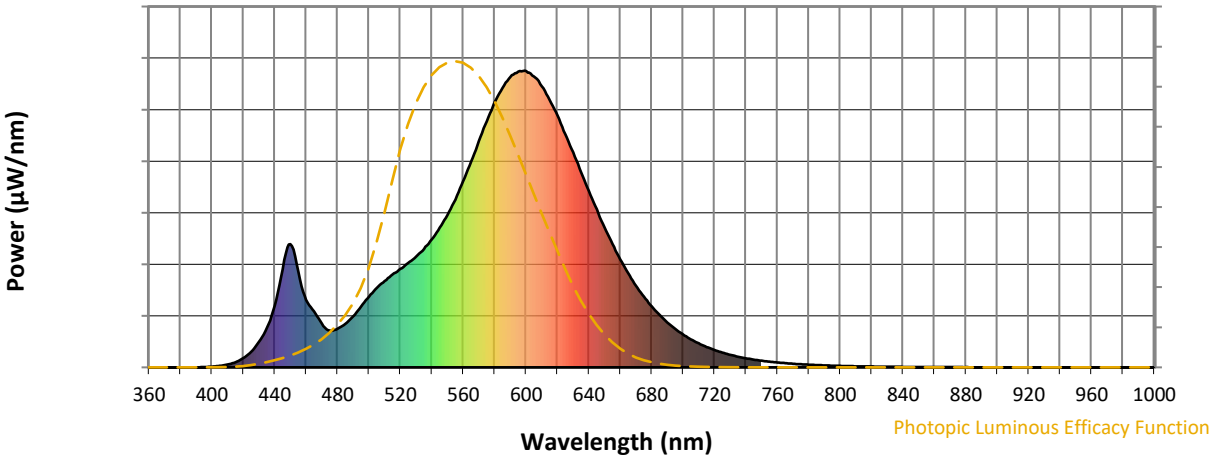


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

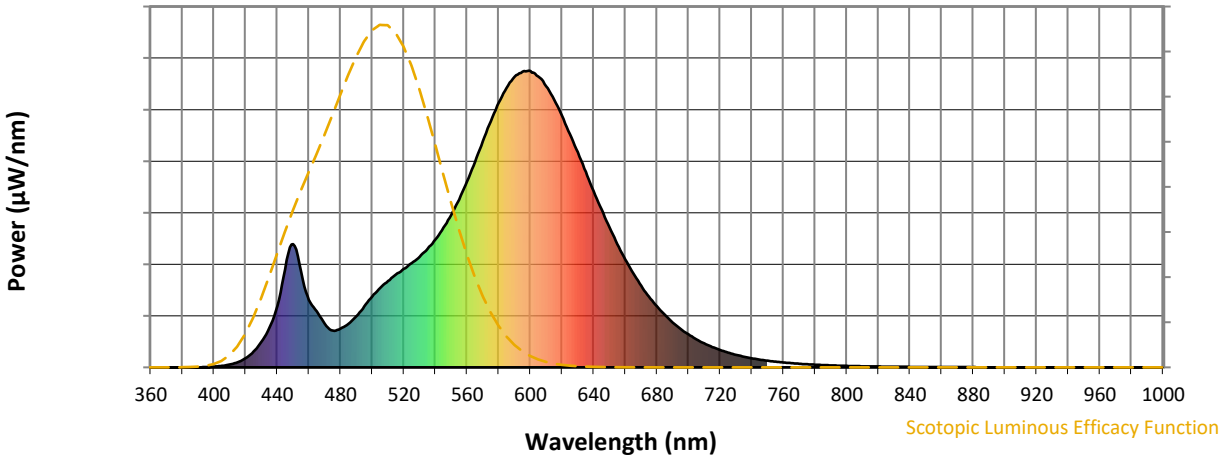


Photopic Lumens: NR

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

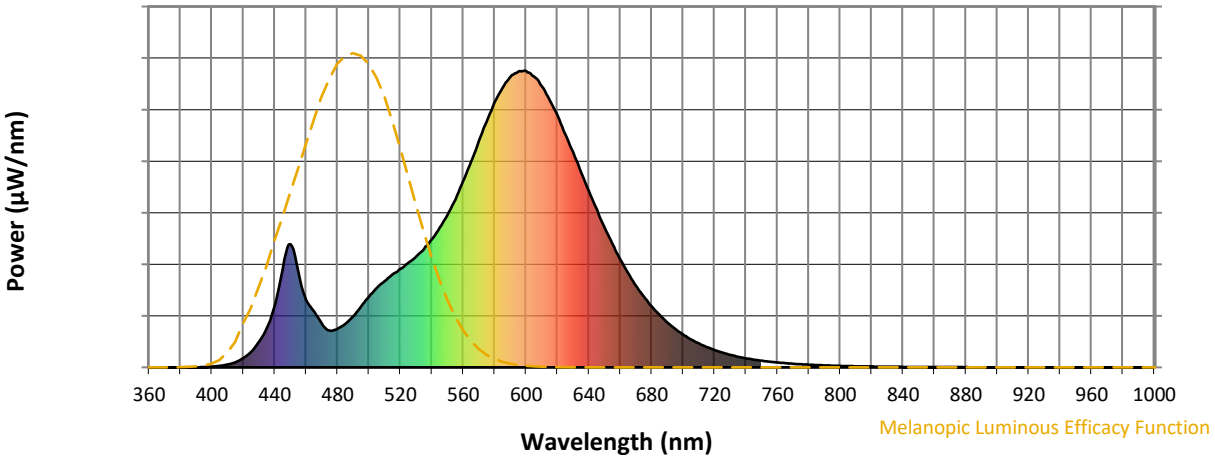


Scotopic Lumens: NR **S/P: 1.16**

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			

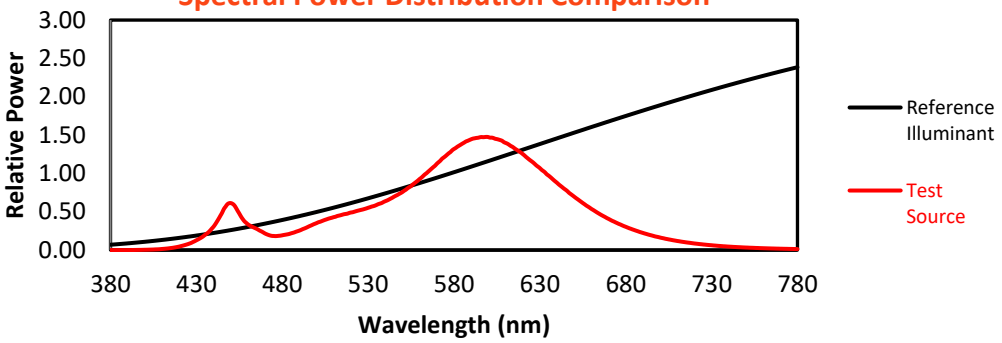
REPORT NUMBER: SP1-2501-332-3

TM-30-18

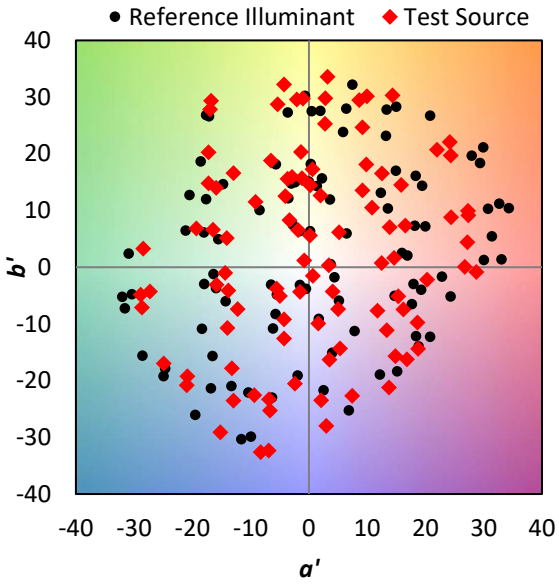
Summary

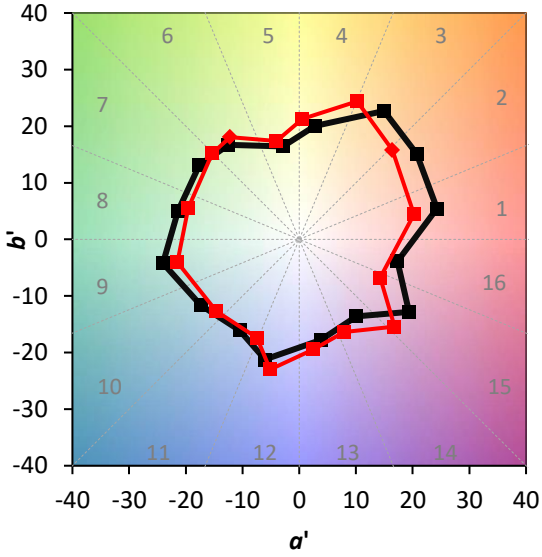
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

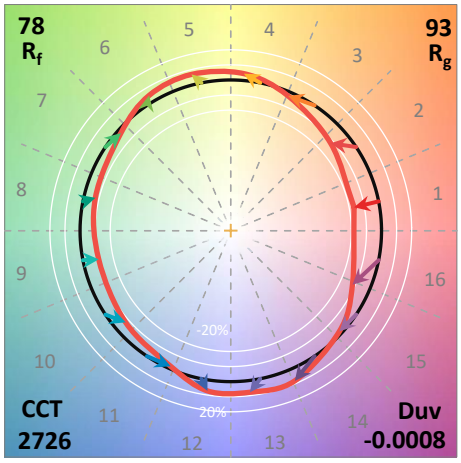
Spectral Power Distribution Comparison

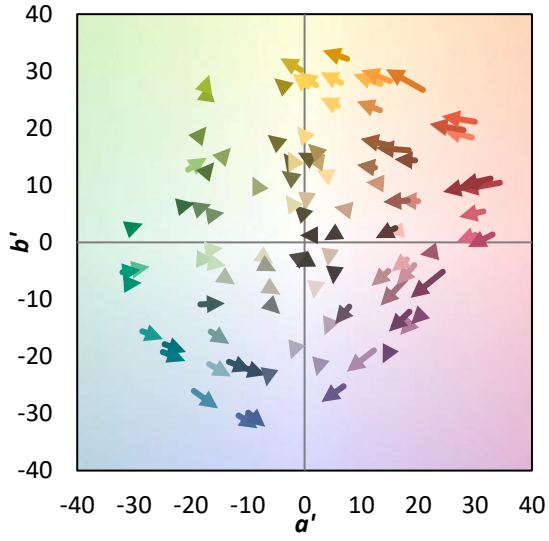


Color Vector Graphics







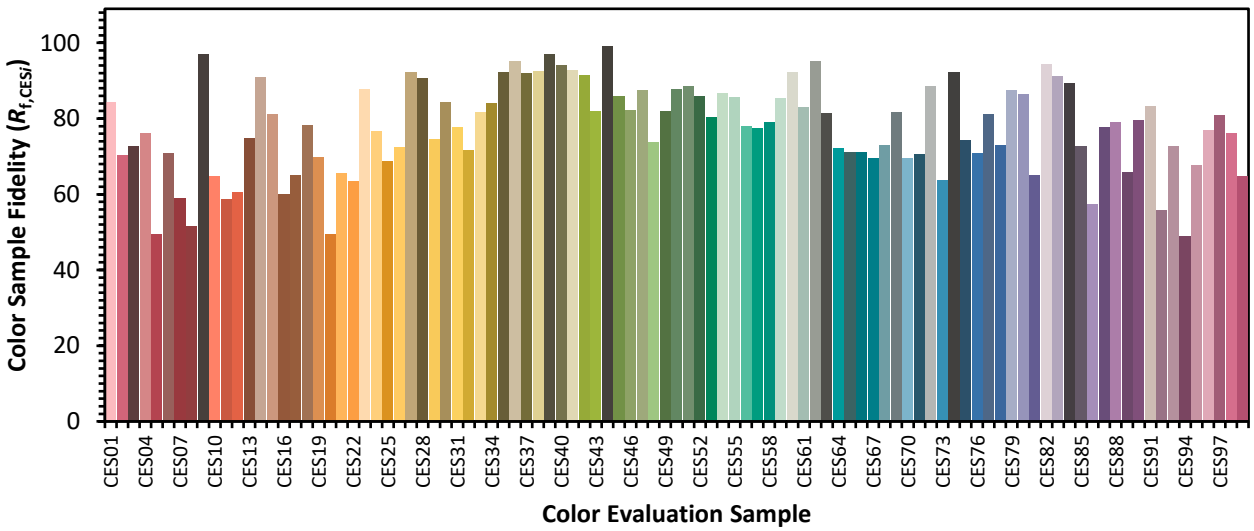


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

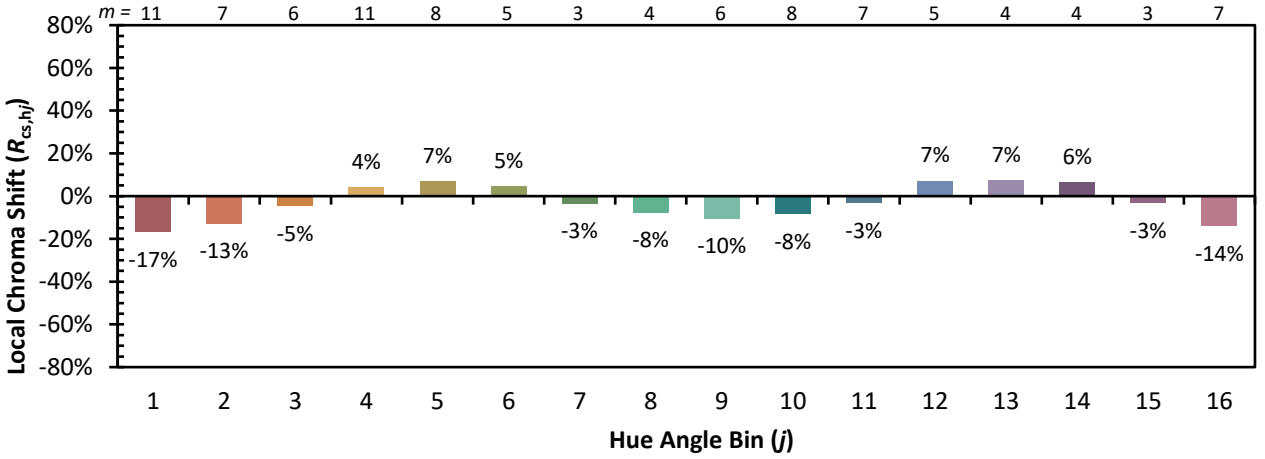
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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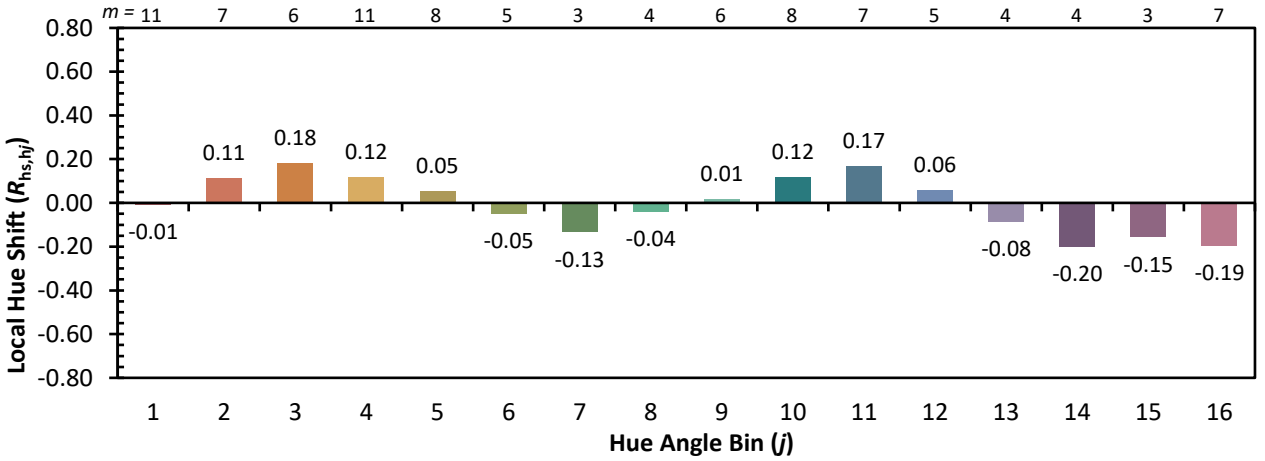


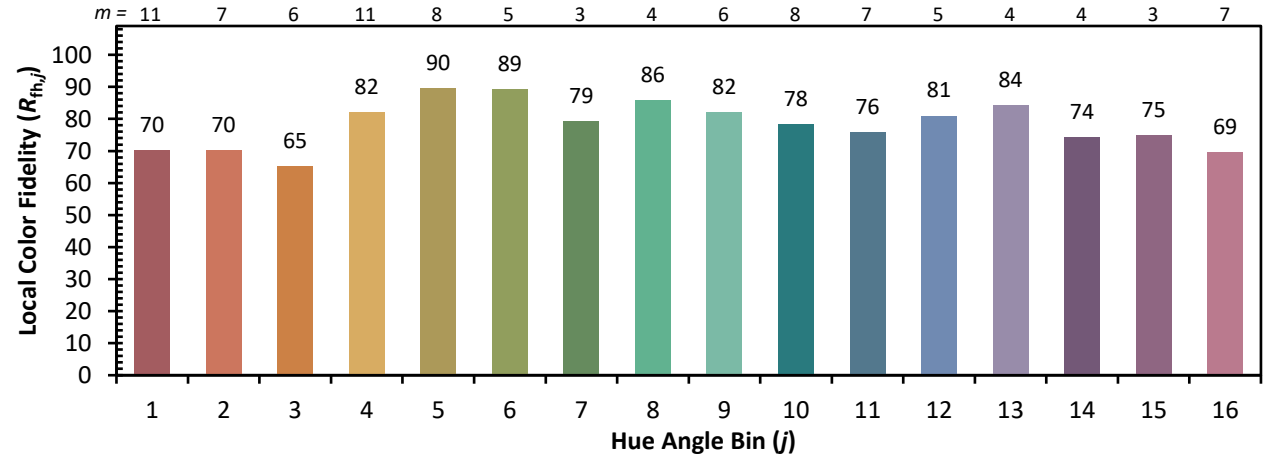
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Color Rendition by Hue-Angle Bin



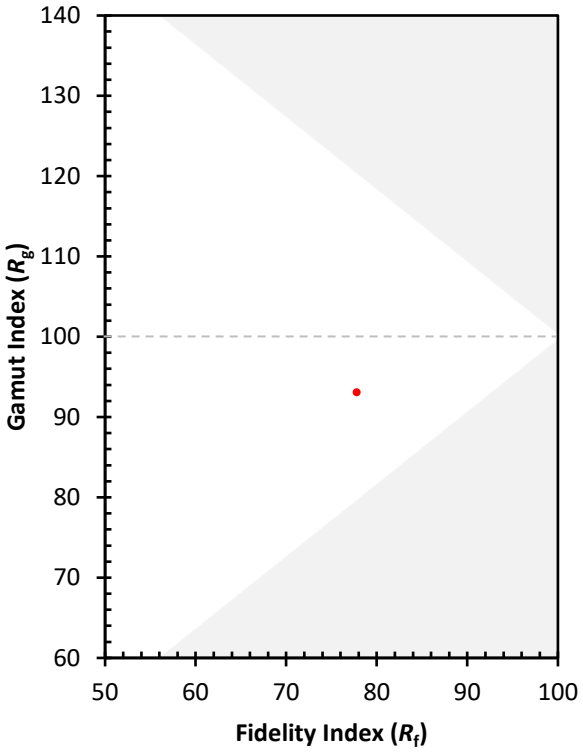


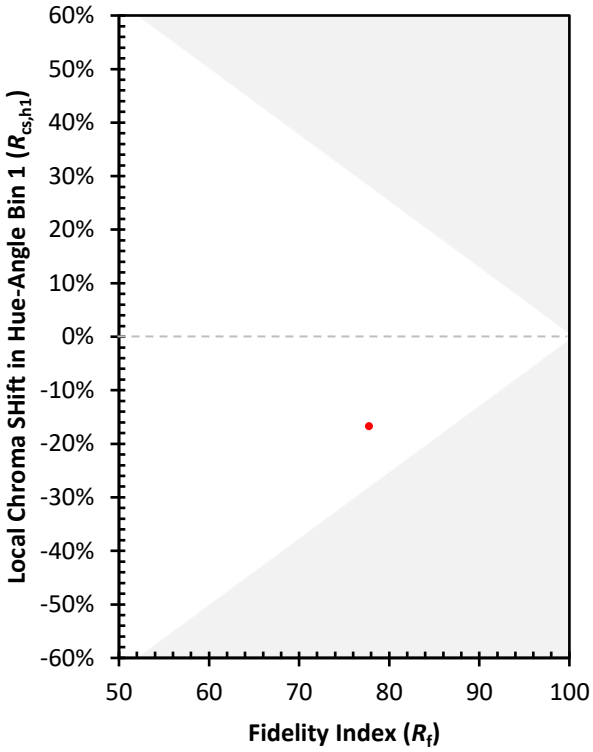


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Measure Comparisons





(END OF REPORT)