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: P1224016

Luminaire Tested: **FFX-CLB-70-722-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:	P1224016
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8229.5 lumens
Efficiency:	N/A
Efficacy:	115.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
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

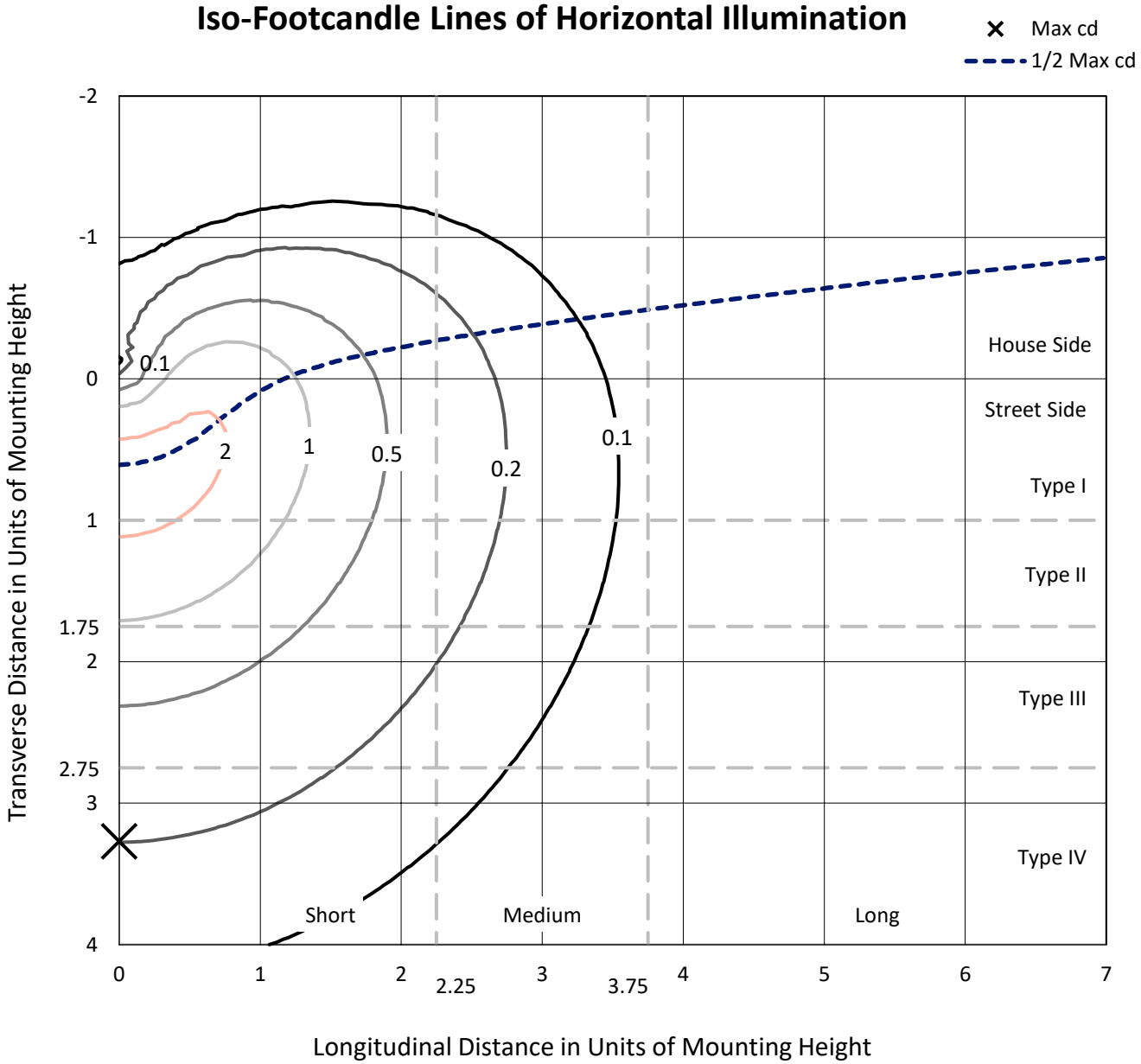


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Iso-Footcandle Lines of Horizontal Illumination



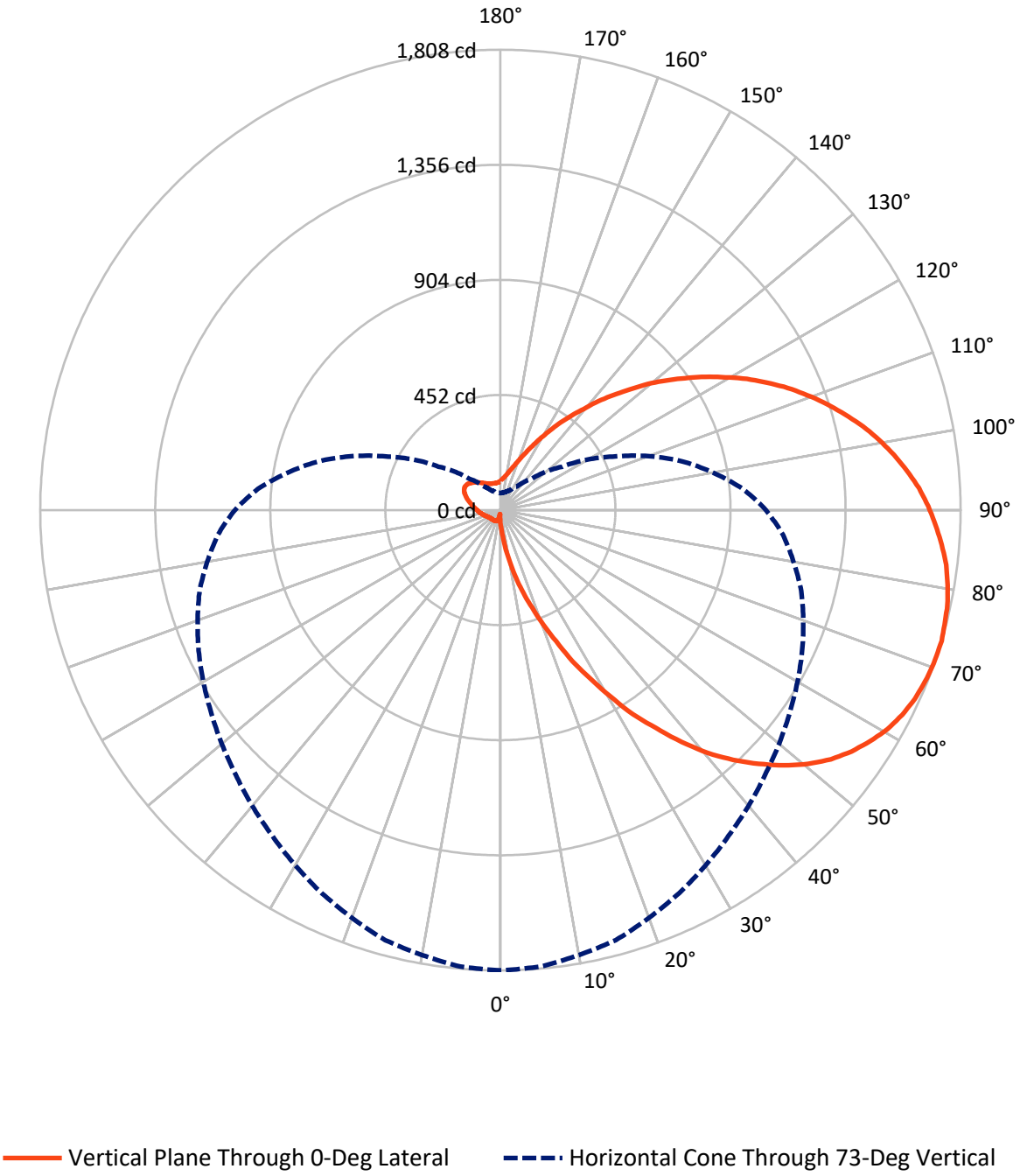
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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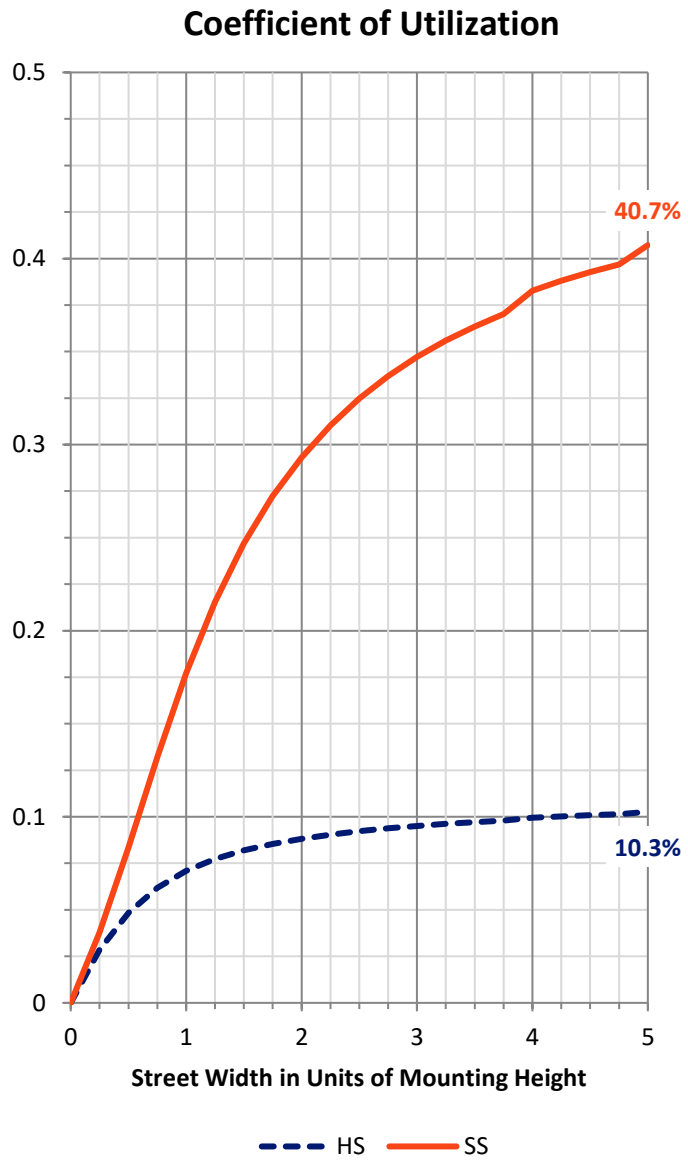
REPORT NUMBER: P1224016
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	911.5	895.7	1807.2
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3843.2	2579.1	6422.2
	% Fixture	46.7	31.3	78.0
Total	Lumens	4754.7	3474.8	8229.5
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	58.3	0.7
20°-30°	176.2	2.1
30°-40°	367.0	4.5
40°-50°	581.6	7.1
50°-60°	764.0	9.3
60°-70°	890.2	10.8
70°-80°	954.1	11.6
80°-90°	954.9	11.6
90°-100°	895.4	10.9
100°-110°	787.7	9.6
110°-120°	650.5	7.9
120°-130°	489.6	5.9
130°-140°	323.1	3.9
140°-150°	185.3	2.3
150°-160°	91.9	1.1
160°-170°	40.1	0.5
170°-180°	11.2	0.1
0°-90°	4754.7	57.8
0°-180°	8229.5	100.0



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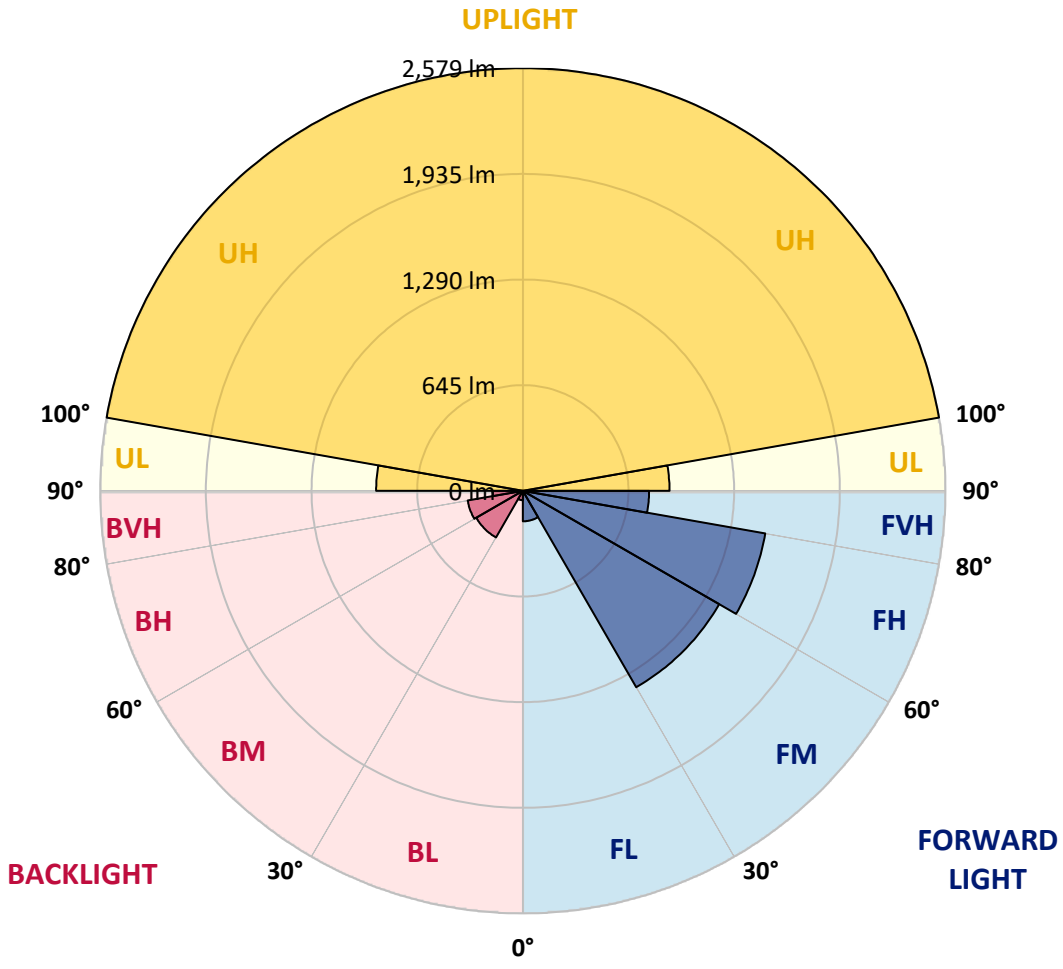
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	186.0	2.3			
FM	(30°-60°)	1384.2	16.8			
FH	(60°-80°)	1502.4	18.3			G1/1800
FVH	(80°-90°)	770.5	9.4			G5
BL	(0°-30°)	56.9	0.7	B0/110		
BM	(30°-60°)	328.4	4.0	B1/1000		
BH	(60°-80°)	341.9	4.2	B1/500		G1/500
BVH	(80°-90°)	184.3	2.2			G2/225
UL	(90°-100°)	895.4	10.9		U4/1000	
UH	(100°-180°)	2579.4	31.3		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	74.2	74.8	74.2	75.4	72.6	72.6	70.3	68.1	65.2	61.9	59.6
5°	110.2	109.7	109.7	110.2	108.6	103.5	97.9	90.0	83.2	75.9	72.0
7.5°	158.6	156.4	154.1	153.6	147.9	140.6	132.7	123.7	114.2	104.1	96.7
10°	209.2	210.9	208.7	202.5	195.7	187.3	177.2	164.8	152.4	138.4	129.9
12.5°	274.5	270.0	264.4	258.2	251.4	243.5	227.2	213.2	195.7	178.3	167.0
15°	338.0	334.1	334.1	326.2	315.5	303.7	288.5	271.1	246.9	219.4	209.2
17.5°	403.3	403.8	398.2	389.2	379.7	364.5	348.2	323.4	298.7	270.0	252.5
20°	479.8	477.5	473.6	466.8	450.0	436.5	416.2	388.7	354.9	320.0	298.7
22.5°	559.1	560.2	560.2	549.5	533.8	515.2	492.1	460.7	420.7	375.7	349.8
25°	658.1	657.5	646.8	634.4	622.1	603.0	573.7	535.5	491.6	437.6	407.2
27.5°	748.1	747.5	745.3	734.0	715.4	690.7	656.4	614.8	564.7	500.0	464.0
30°	848.2	850.4	844.2	834.7	810.5	785.2	745.3	696.3	637.3	567.5	527.0
32.5°	956.7	952.2	947.2	934.8	908.4	872.9	827.9	777.3	712.6	632.8	588.3
35°	1050.7	1059.1	1051.2	1032.1	999.5	961.8	912.3	855.5	785.2	699.7	649.1
37.5°	1156.4	1154.7	1142.9	1124.3	1092.8	1045.0	992.7	926.9	848.2	759.3	703.1
40°	1254.8	1248.1	1241.3	1213.8	1173.8	1126.0	1061.4	994.4	913.4	813.3	756.5
42.5°	1342.0	1341.5	1323.5	1295.9	1245.8	1193.0	1126.0	1051.2	966.9	863.4	799.2
45°	1422.4	1420.8	1403.3	1362.3	1315.0	1251.5	1181.7	1104.1	1015.2	906.1	844.8
47.5°	1498.4	1493.9	1469.7	1428.1	1368.5	1301.5	1229.5	1148.0	1056.3	944.4	880.2
50°	1567.6	1563.6	1535.5	1482.6	1419.1	1347.6	1268.9	1184.5	1095.1	982.6	913.4
52.5°	1626.6	1619.9	1587.2	1530.4	1457.9	1382.5	1300.4	1216.0	1125.5	1009.6	942.7
55°	1673.9	1666.6	1631.7	1568.1	1492.2	1410.6	1327.4	1243.6	1149.1	1033.8	965.2
57.5°	1713.2	1707.6	1669.4	1599.6	1518.6	1434.8	1350.5	1265.0	1171.0	1056.3	984.9
60°	1747.5	1740.8	1697.5	1625.5	1540.0	1453.4	1367.3	1281.8	1189.6	1073.7	1002.9
62.5°	1771.7	1766.7	1721.1	1644.1	1555.2	1467.4	1378.6	1295.9	1203.7	1089.5	1016.4
65°	1789.2	1783.0	1736.9	1655.3	1564.7	1474.2	1387.0	1302.1	1212.7	1099.0	1026.5
67.5°	1799.3	1794.8	1746.4	1663.2	1568.7	1477.6	1391.0	1308.3	1220.0	1106.9	1034.4
70°	1806.0	1799.3	1750.4	1664.9	1567.6	1477.0	1391.0	1308.8	1223.9	1112.5	1038.9
72.5°	1807.7	1800.4	1749.8	1662.1	1564.2	1471.4	1388.1	1309.4	1225.0	1115.3	1043.4
73°	1808.3	1800.4	1749.2	1660.9	1562.5	1470.8	1387.6	1308.3	1223.9	1114.8	1043.4
75°	1802.1	1797.0	1744.7	1654.2	1556.9	1465.2	1383.6	1305.5	1223.9	1115.3	1042.8
77.5°	1795.9	1788.0	1733.5	1644.6	1543.9	1455.1	1375.2	1299.8	1220.0	1114.2	1042.2
80°	1781.3	1773.4	1718.9	1626.6	1527.6	1440.4	1363.4	1290.8	1212.7	1108.0	1037.7
82.5°	1764.4	1755.4	1698.6	1605.8	1507.9	1421.9	1348.2	1279.0	1203.1	1100.7	1031.0
85°	1739.7	1732.9	1675.0	1580.5	1485.4	1402.8	1330.8	1265.0	1190.7	1089.5	1020.9
87.5°	1711.0	1705.4	1645.2	1551.8	1456.8	1378.0	1310.5	1246.4	1176.7	1077.1	1009.6
90°	1681.2	1674.4	1614.2	1519.2	1428.6	1351.0	1286.9	1226.7	1159.2	1061.9	995.0
92.5°	1646.9	1639.0	1578.2	1486.0	1397.7	1323.5	1263.8	1204.8	1139.5	1044.5	979.8
95°	1605.2	1597.9	1537.8	1445.5	1358.9	1291.4	1233.5	1178.9	1116.5	1023.7	961.2
97.5°	1560.8	1554.1	1493.3	1405.0	1321.2	1254.8	1200.8	1151.3	1091.7	1003.4	940.4
100°	1513.0	1504.0	1443.8	1358.9	1276.2	1216.0	1167.7	1123.2	1064.7	978.1	917.9
102.5°	1462.4	1453.9	1396.6	1313.3	1235.7	1177.2	1133.3	1090.0	1036.6	955.0	896.0
105°	1405.0	1400.5	1342.6	1262.1	1189.6	1135.6	1094.5	1056.9	1006.2	926.9	872.9
107.5°	1348.2	1339.2	1285.2	1208.2	1140.1	1091.2	1055.7	1020.9	974.7	898.8	847.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1288.0*	1279.0	1230.7	1157.0	1094.0	1047.3	1014.7	983.7	942.1	871.2	822.9
112.5°	*1227.3*	1217.2	1169.3	1101.8	1040.5	1002.3	972.5	946.6	908.9	843.7	795.9
115°	*1161.5*	1157.5	1110.8	1046.2	992.2	956.2	930.3	906.7	871.2	813.9	770.0
117.5°	*1096.8*	1089.5	1049.0	989.4	939.3	905.6	885.9	865.1	833.0	779.0	740.8
120°	*1027.0*	1025.4	986.5	930.9	884.2	857.7	838.6	821.2	793.1	744.1	708.1
122.5°	*961.2*	957.9	920.7	870.7	831.9	807.1	791.9	776.7	752.6	707.0	673.3
125°	*891.5*	887.6	858.3	817.2	780.1	756.5	741.9	730.1	708.1	667.1	635.6
127.5°	*826.8*	822.9	796.4	757.1	727.8	706.4	692.9	682.3	660.3	624.9	597.3
130°	*762.7*	755.9	732.9	701.4	672.1	657.5	644.0	636.1	613.6	580.5	556.3
132.5°	*694.1*	690.7	674.4	645.1	621.5	606.3	594.5	584.4	567.0	536.6	514.6
135°	*633.3*	629.9	614.8	590.0	573.7	559.6	549.0	538.3	520.3	491.0	472.5
137.5°	*575.4*	572.6	559.1	542.2	521.4	513.0	505.6	492.7	477.0	450.5	433.7
140°	*514.6*	515.8	505.1	489.9	477.0	466.8	459.5	448.8	433.1	410.6	393.7
142.5°	*464.6*	466.3	453.3	442.7	430.8	423.0	415.7	406.7	391.5	371.2	358.3
145°	*417.3*	413.4	408.3	398.2	387.0	381.9	374.6	366.7	354.9	334.7	324.0
147.5°	*369.5*	368.4	363.3	356.6	347.6	339.7	334.1	329.6	317.8	300.9	291.4
150°	*326.2*	325.1	322.3	317.2	309.3	304.3	299.8	293.6	282.4	269.4	261.0
152.5°	*288.0*	288.0	286.3	279.5	276.2	270.5	264.9	261.5	250.3	239.6	232.3
155°	*254.8*	254.8	252.5	249.2	243.0	239.6	236.2	231.2	223.3	214.9	208.1
157.5°	*226.1*	226.7	223.9	221.0	216.5	213.7	210.4	205.3	200.2	192.4	187.3
160°	*200.8*	201.4	200.2	198.0	193.5	190.7	187.9	183.9	179.4	173.2	168.7
162.5°	*180.5*	180.0	178.9	176.6	173.8	172.1	168.7	165.9	162.0	157.5	153.6
165°	*164.8*	163.1	162.5	160.9	158.0	156.4	153.6	151.3	148.5	144.0	142.3
167.5°	*150.7*	150.7	149.6	148.5	146.2	144.0	141.7	140.1	137.8	135.0	132.7
170°	*139.5*	139.5	138.4	137.2	135.0	133.9	132.2	130.5	128.8	126.6	125.4
172.5°	*130.5*	130.5	129.9	128.2	127.1	125.4	124.9	123.2	121.5	120.4	119.2
175°	*123.7*	123.7	122.6	121.5	120.4	119.2	118.1	117.6	117.0	115.9	115.3
177.5°	*118.7*	118.1	117.6	116.4	115.3	114.7	114.2	113.6	113.6	113.1	112.5
180°	*111.9*	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	57.4	52.3	46.7	41.6	38.8	34.9	32.6	31.5	32.6	30.9
5°	68.1	59.1	50.1	43.3	36.0	30.4	25.3	20.2	16.9	16.3
7.5°	90.6	80.4	68.1	56.8	46.7	37.7	29.8	23.6	19.1	18.6
10°	119.8	104.6	88.9	73.1	58.5	46.7	37.1	30.4	28.1	27.6
12.5°	156.4	134.4	112.5	91.7	73.7	57.9	47.2	39.9	36.6	36.0
15°	194.6	167.0	138.9	111.9	87.7	68.6	55.1	47.2	43.3	42.7
17.5°	235.7	199.7	161.4	129.9	101.2	78.2	61.3	50.6	46.1	45.0
20°	277.3	232.3	188.4	147.4	112.5	84.4	64.7	52.3	46.7	45.6
22.5°	324.0	270.0	215.4	164.2	122.6	90.6	67.5	53.4	47.2	46.1
25°	376.8	308.2	243.5	183.9	133.9	96.2	70.3	55.1	47.8	46.7
27.5°	430.8	351.0	272.2	201.4	143.4	100.1	72.6	55.7	48.4	47.2
30°	485.4	393.7	301.5	218.2	151.9	104.6	73.7	56.2	48.4	47.8
32.5°	542.2	433.7	329.6	234.0	159.2	107.4	74.8	56.8	48.9	47.8
35°	593.4	475.8	356.0	249.2	165.9	109.7	75.4	56.8	48.9	47.8
37.5°	642.3	511.8	380.2	261.5	171.0	111.4	75.9	56.8	48.9	47.8
40°	693.5	550.1	402.2	272.8	174.9	112.5	75.9	56.8	48.9	48.4
42.5°	735.1	582.1	420.7	280.7	177.7	112.5	75.9	56.8	49.5	48.4
45°	772.8	608.6	438.7	288.0	179.4	112.5	75.4	57.4	49.5	48.9
47.5°	805.4	635.0	452.2	293.0	180.0	112.5	75.4	57.4	50.1	49.5
50°	835.8	656.4	464.0	297.0	180.5	111.9	75.4	57.9	50.6	49.5
52.5°	861.7	673.8	473.6	299.2	179.4	110.8	75.4	58.5	51.7	50.6
55°	883.6	690.1	480.3	300.4	178.3	110.2	75.4	59.1	52.3	51.7
57.5°	901.6	703.1	486.5	300.9	177.2	109.7	75.9	60.2	54.0	53.4
60°	917.9	713.8	491.0	300.9	176.0	109.1	76.5	61.3	55.1	54.6
62.5°	930.9	722.2	494.4	300.4	175.5	109.1	77.6	63.0	56.8	56.2
65°	939.9	728.4	496.1	299.2	174.4	109.7	78.7	64.7	59.1	58.5
67.5°	948.3	734.0	497.2	298.7	173.8	110.2	80.4	66.9	61.3	60.7
70°	953.4	737.4	497.8	298.1	173.2	111.4	82.1	69.2	64.1	63.6
72.5°	955.6	739.6	498.3	297.0	173.8	112.5	84.4	71.4	66.9	66.4
73°	*956.2*	*739.6*	*497.8*	*297.0*	*173.8*	*113.1*	*84.9*	*72.6*	*67.5*	*66.9*
75°	957.3	739.6	497.2	296.4	174.4	114.2	86.6	74.8	69.7	69.7
77.5°	955.6	738.5	496.1	295.9	174.9	116.4	89.4	77.6	73.1	72.6
80°	952.2	735.7	494.4	295.9	176.0	118.7	92.8	81.0	76.5	75.9
82.5°	944.9	730.6	492.1	295.3	177.7	121.5	96.2	84.4	80.4	79.9
85°	937.6	724.4	488.8	295.3	180.0	124.9	99.6	88.3	84.4	83.8
87.5°	926.4	717.1	485.4	294.7	182.2	127.7	102.9	92.2	87.7	87.7
90°	913.4	709.3	482.0	295.3	184.5	131.6	107.4	96.7	92.2	91.7
92.5°	900.5	700.3	478.1	296.4	188.4	135.6	111.9	101.2	96.7	95.6
95°	883.1	687.9	473.6	297.0	191.8	140.1	116.4	105.7	101.2	101.2
97.5°	865.1	676.6	468.5	298.7	196.3	145.7	122.6	111.4	106.9	106.9
100°	845.9	664.8	465.1	300.4	200.8	151.9	128.2	117.0	112.5	112.5
102.5°	825.7	651.9	461.8	303.7	207.5	158.0	135.0	123.7	118.7	118.7
105°	804.9	639.5	458.4	307.7	214.3	165.9	142.3	131.1	126.0	126.0
107.5°	784.6	627.7	455.6	312.7	221.6	173.8	149.6	138.4	133.3	132.2

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

Scaled Data Report

REPORT NUMBER: P1224016
CATALOG NUMBER: FFX-CLB-70-722-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	763.3	615.3	453.3	317.8	230.0	182.8	158.6	145.7	140.1	140.1
112.5°	740.2	602.4	451.7	322.8	239.0	191.8	166.5	153.6	147.9	146.8
115°	716.0	589.5	448.3	328.5	246.9	200.8	174.9	160.3	154.1	153.6
117.5°	692.4	574.3	444.3	332.4	254.2	208.1	181.7	167.0	160.3	159.7
120°	664.8	557.4	437.6	333.5	259.9	213.7	187.3	171.5	164.8	163.7
122.5°	634.4	535.5	428.0	332.4	262.7	217.7	190.7	174.9	167.0	166.5
125°	600.1	511.3	415.7	328.5	263.2	219.4	191.8	175.5	168.2	167.0
127.5°	564.1	487.1	399.3	320.6	259.9	218.2	190.7	174.4	166.5	165.9
130°	527.0	458.4	380.2	310.5	254.2	214.3	187.9	171.5	163.7	163.1
132.5°	489.9	428.0	359.4	297.0	246.4	208.1	182.8	167.0	159.7	158.6
135°	450.0	398.2	338.0	282.9	235.7	201.4	176.6	161.4	154.1	153.6
137.5°	413.4	367.3	316.1	267.2	225.5	192.4	169.9	155.8	149.6	148.5
140°	377.4	337.5	292.5	250.3	212.6	183.4	162.0	149.6	143.4	142.9
142.5°	344.2	309.9	271.7	234.0	200.8	174.4	155.2	143.4	138.4	137.2
145°	309.9	281.2	249.7	217.1	187.9	164.8	147.9	137.2	132.7	131.6
147.5°	280.1	254.8	227.8	200.2	176.0	155.2	140.6	131.6	127.7	127.1
150°	252.0	230.6	207.0	184.5	163.1	146.2	133.9	126.0	122.6	122.1
152.5°	226.7	208.1	189.0	169.9	151.9	138.4	127.7	120.9	118.1	118.1
155°	203.0	187.9	172.7	156.9	142.9	131.6	123.2	117.6	115.3	114.7
157.5°	182.8	171.0	158.6	145.7	135.0	125.4	118.7	114.7	112.5	112.5
160°	165.4	156.4	146.2	136.7	128.2	120.4	115.3	111.9	110.2	110.2
162.5°	151.3	144.0	136.1	128.8	121.5	116.4	112.5	110.2	109.1	109.1
165°	139.5	134.4	128.8	122.6	117.6	113.6	110.8	109.1	108.6	108.6
167.5°	131.1	126.6	122.1	118.1	114.7	111.4	109.7	108.6	108.6	108.0
170°	123.7	120.9	117.0	114.2	111.4	109.7	108.6	108.0	108.0	107.4
172.5°	118.1	115.9	113.6	111.4	109.7	108.6	108.0	108.0	108.0	108.0
175°	114.7	113.1	111.4	110.2	109.1	108.0	108.0	108.6	108.6	108.6
177.5°	111.9	111.4	110.2	109.7	109.1	109.1	109.1	109.7	110.2	110.2
180°	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

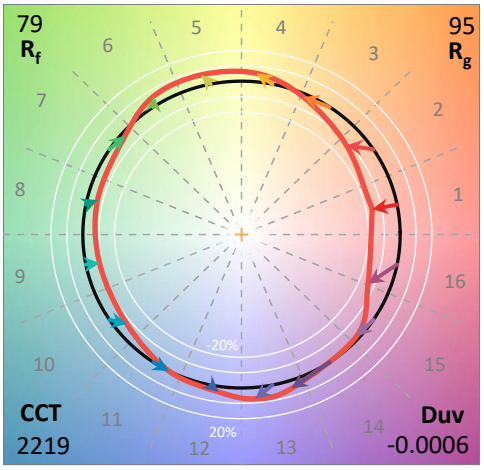
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

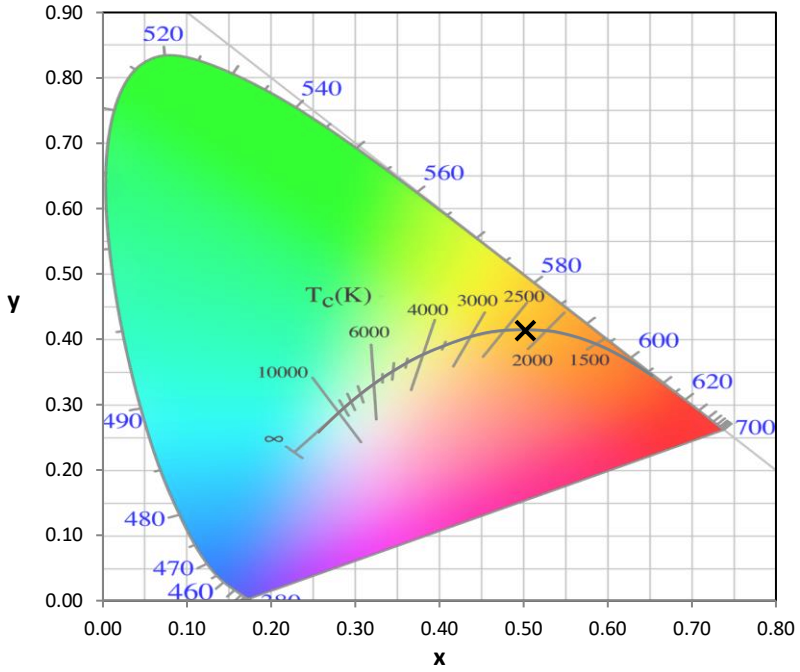
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

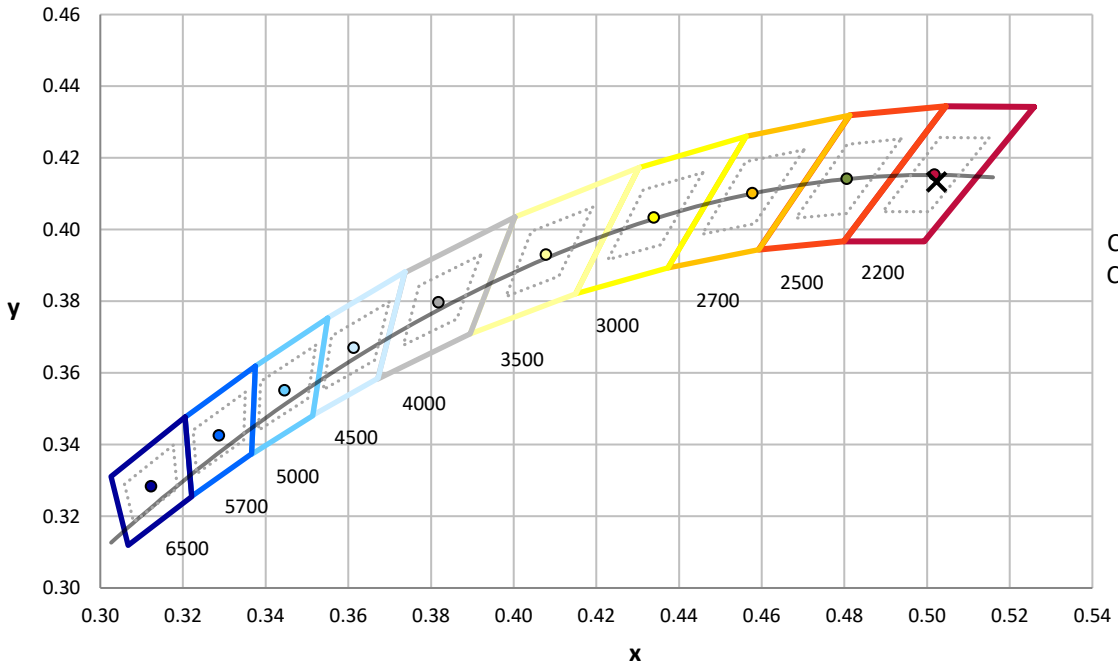
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

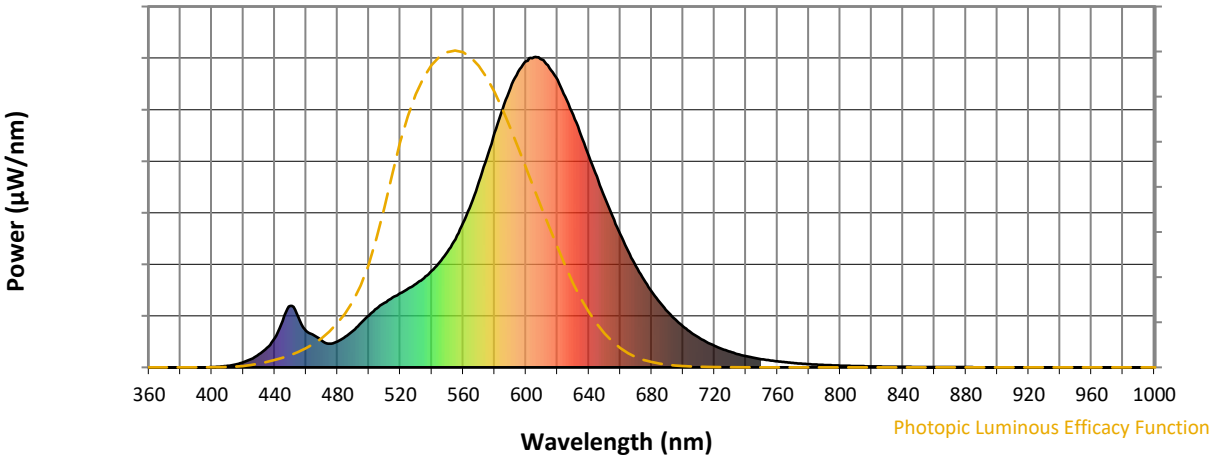


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

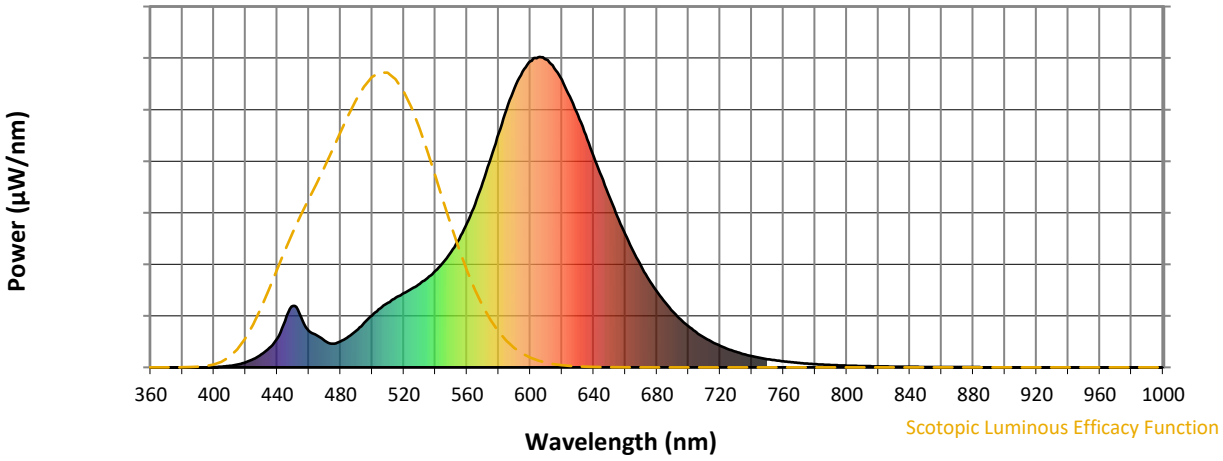


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

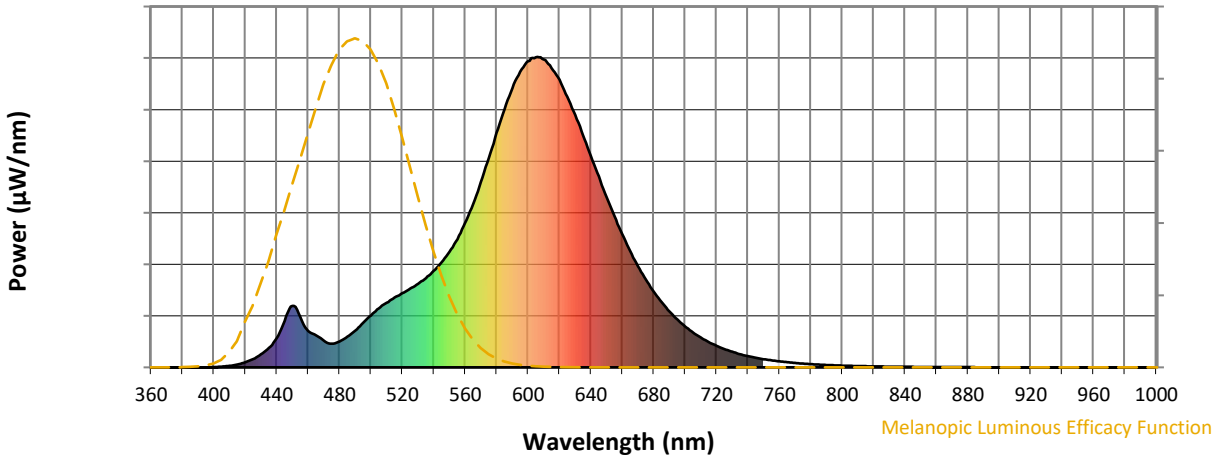


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

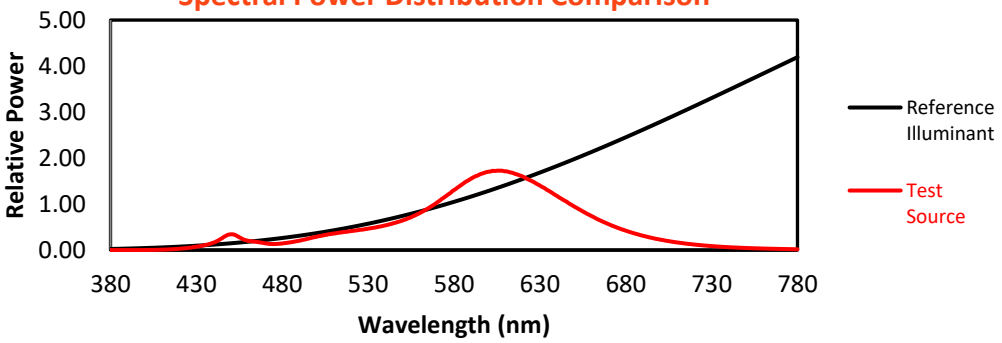
REPORT NUMBER: SP1-2501-332-2

TM-30-18

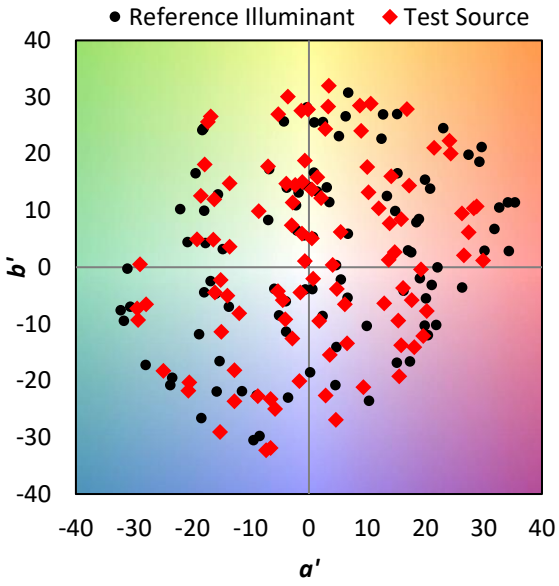
Summary

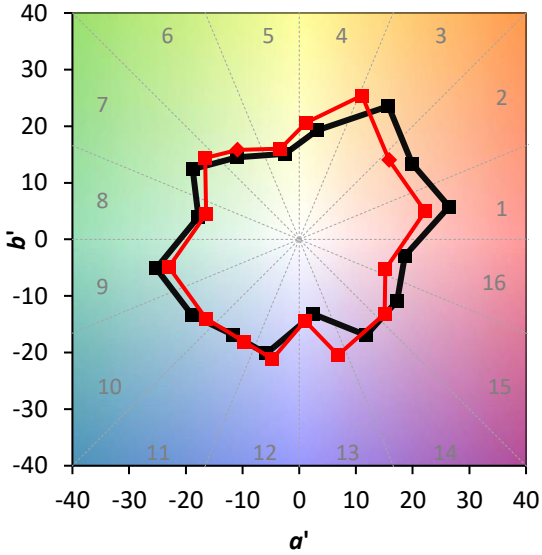
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

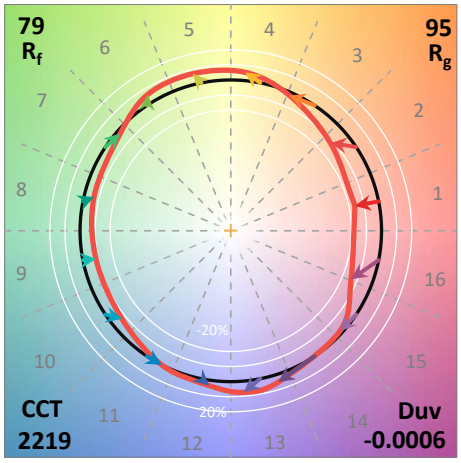
Spectral Power Distribution Comparison

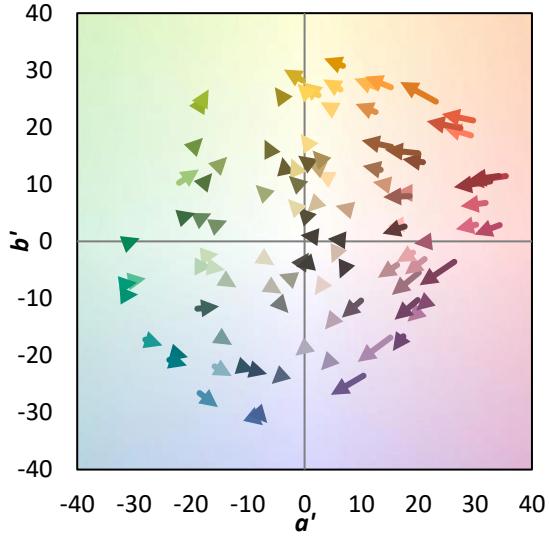


Color Vector Graphics







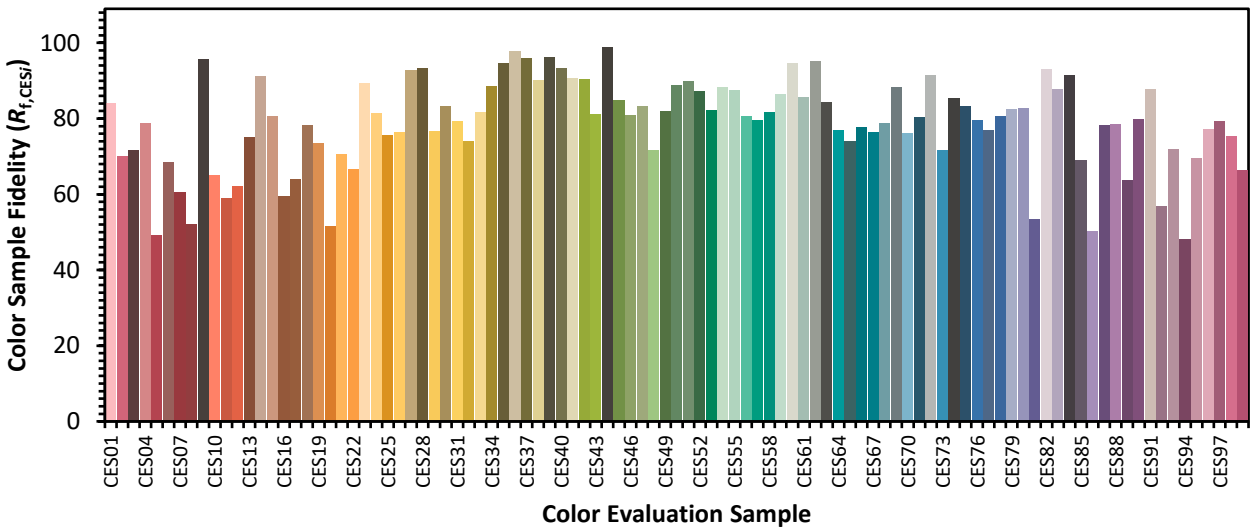


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

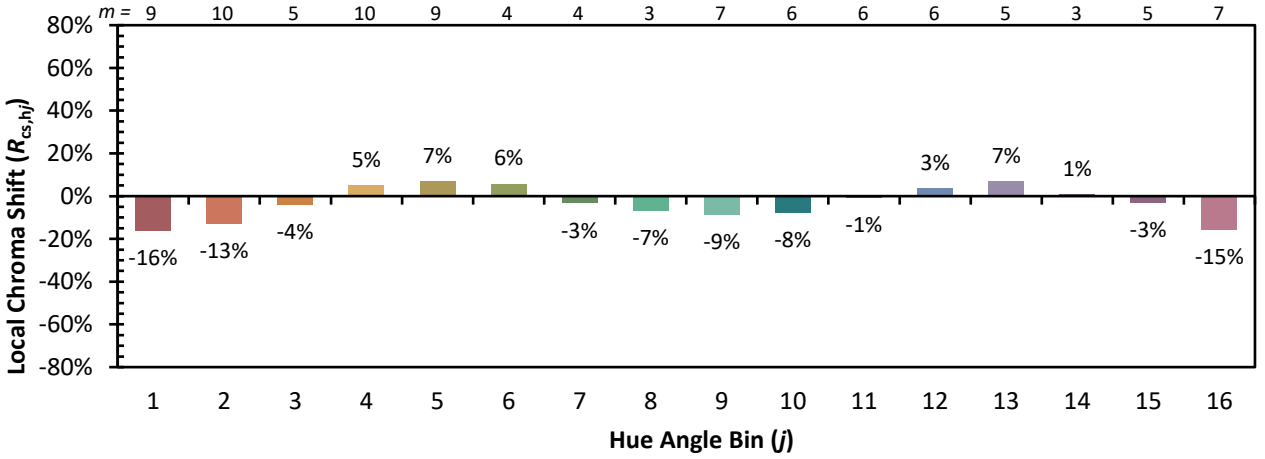
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

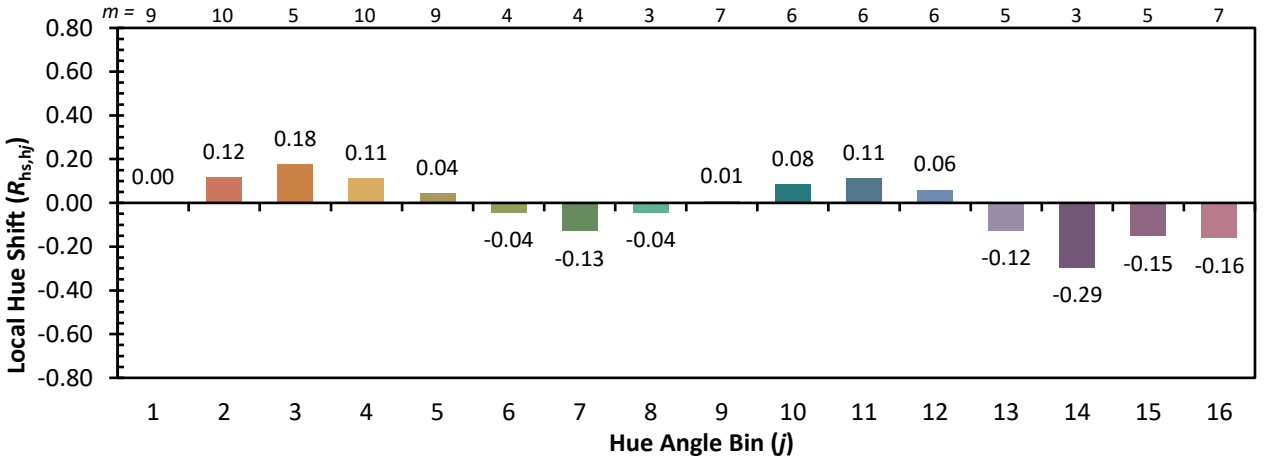


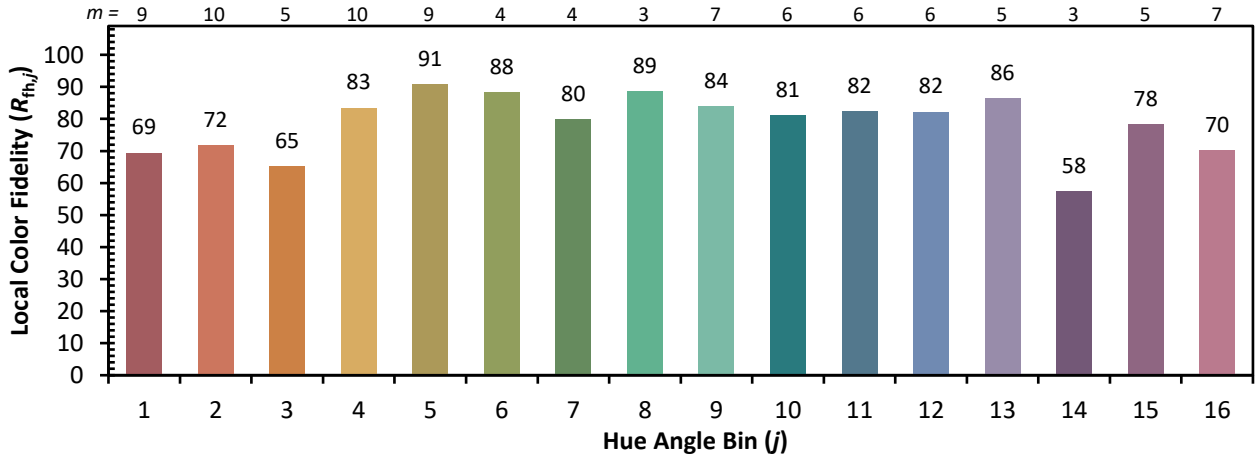
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Color Rendition by Hue-Angle Bin



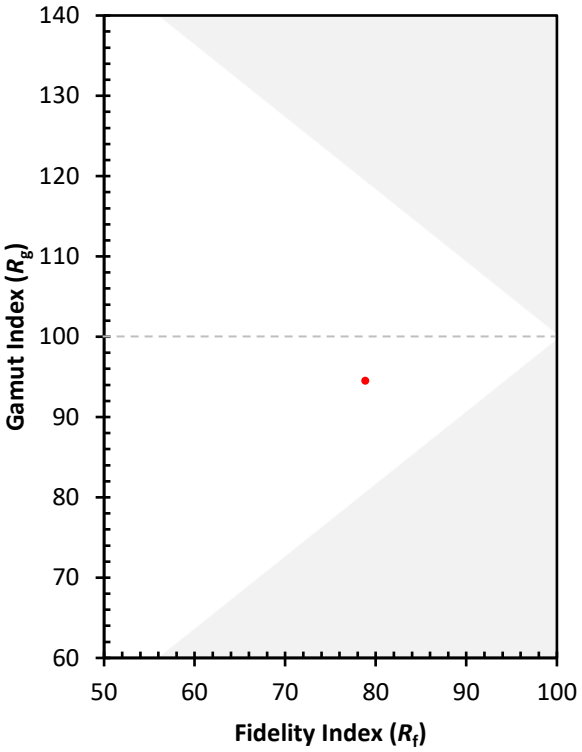


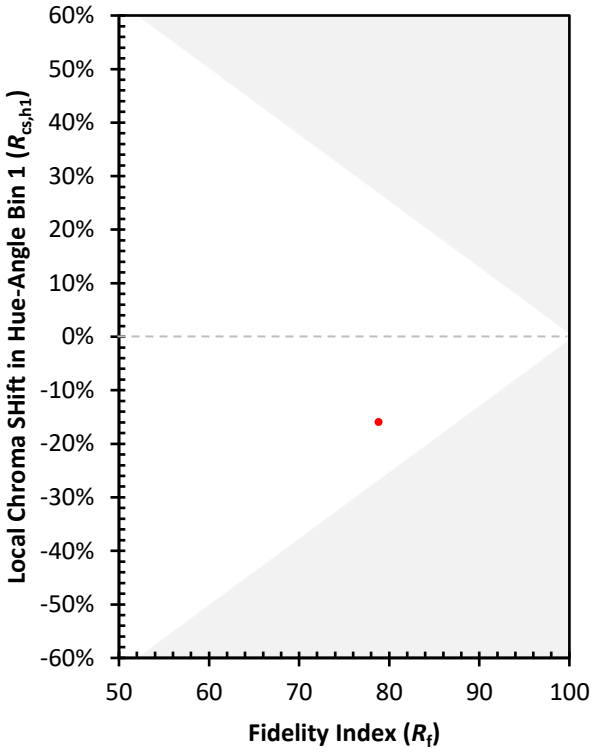


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Measure Comparisons





(END OF REPORT)