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: P1223880

Luminaire Tested: **FFX-CLB-80-722-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223880
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10171.6 lumens
Efficiency:	N/A
Efficacy:	124.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G5

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

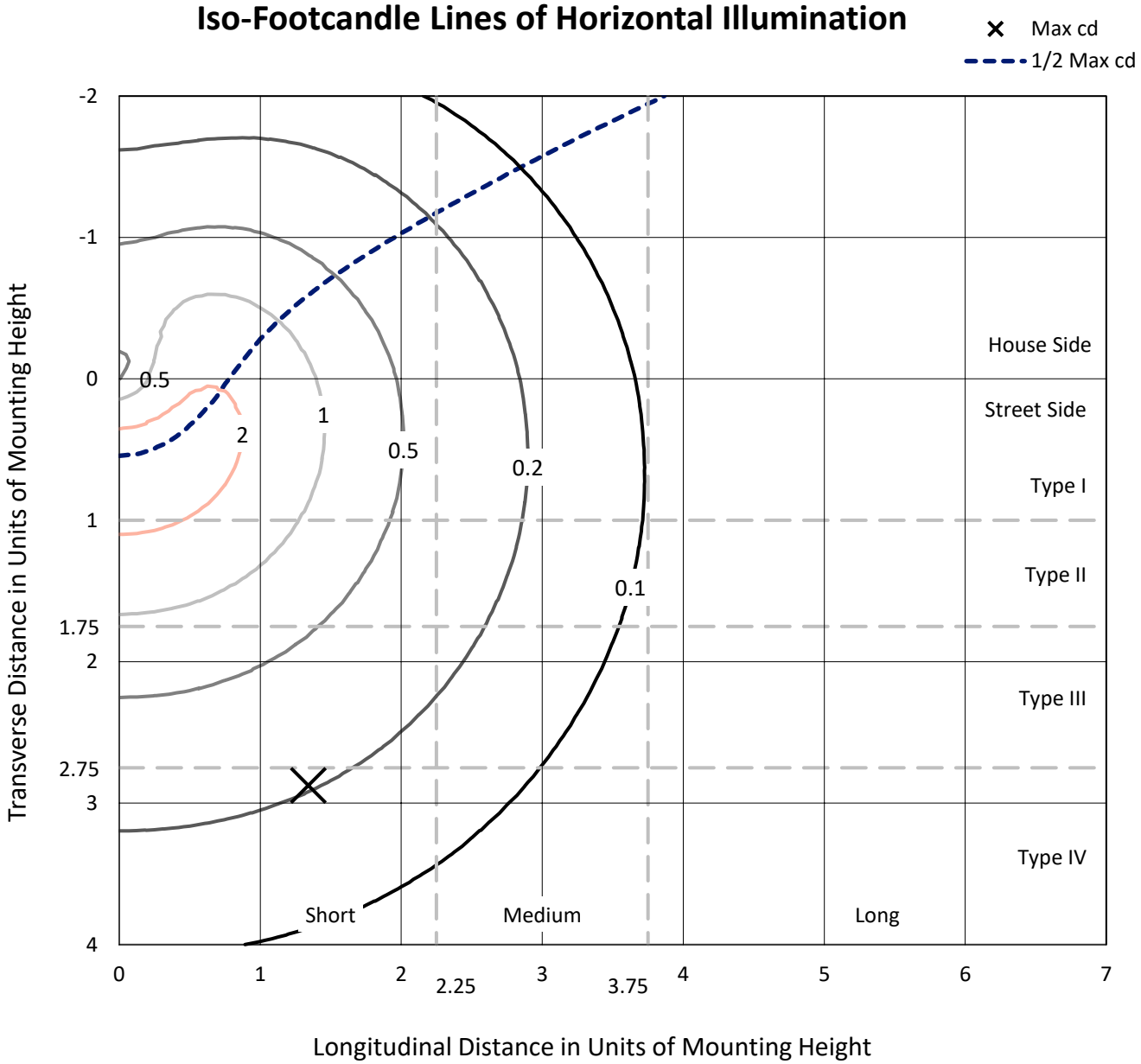


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Iso-Footcandle Lines of Horizontal Illumination



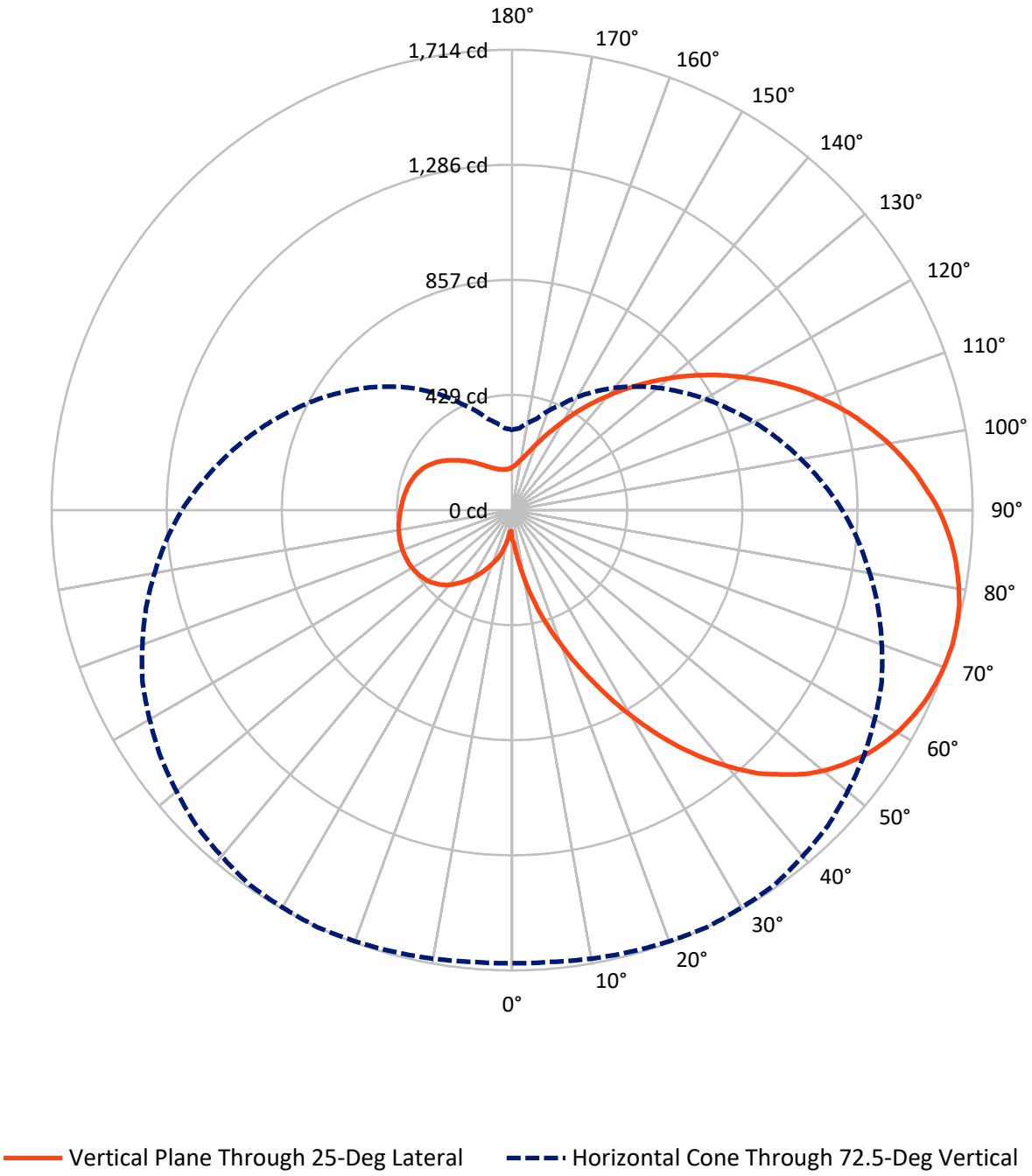
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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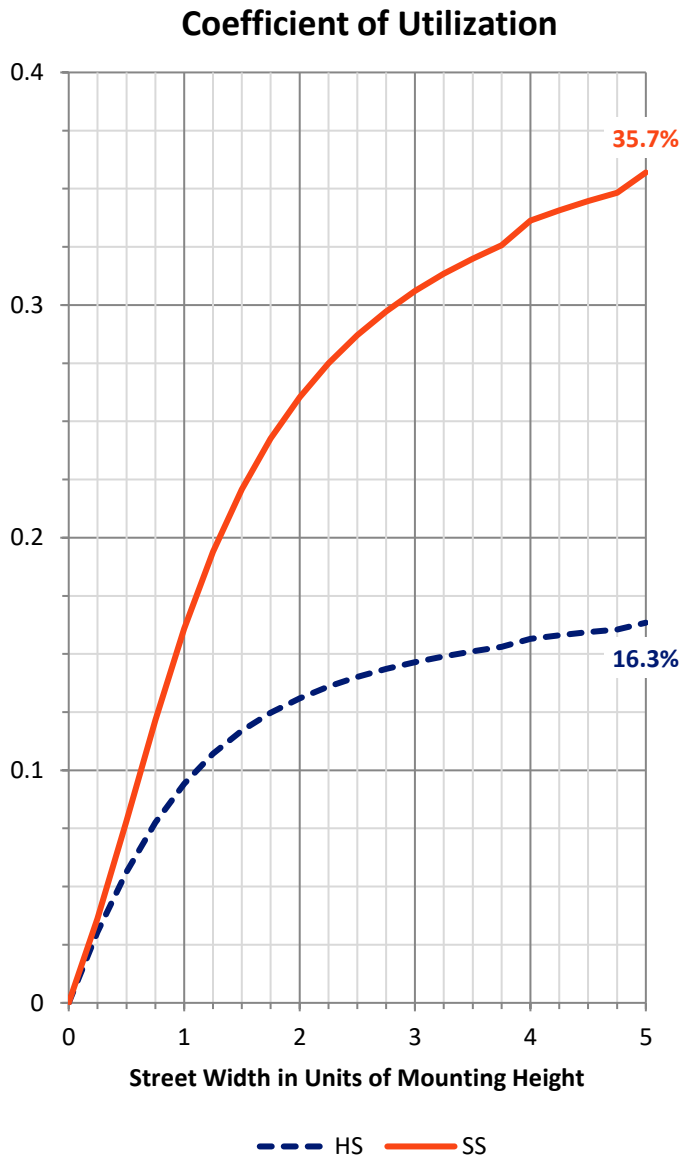
REPORT NUMBER: P1223880
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1832.6	1402.4	3235.1
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	4144.9	2791.7	6936.6
	% Fixture	40.7	27.4	68.2
Total	Lumens	5977.5	4194.1	10171.6
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	86.3	0.8
20°-30°	235.3	2.3
30°-40°	466.2	4.6
40°-50°	727.7	7.2
50°-60°	953.8	9.4
60°-70°	1113.1	10.9
70°-80°	1194.3	11.7
80°-90°	1186.4	11.7
90°-100°	1100.7	10.8
100°-110°	958.5	9.4
110°-120°	775.5	7.6
120°-130°	570.9	5.6
130°-140°	377.6	3.7
140°-150°	223.4	2.2
150°-160°	117.4	1.2
160°-170°	54.4	0.5
170°-180°	15.7	0.2
0°-90°	5977.5	58.8
0°-180°	10171.6	100.0



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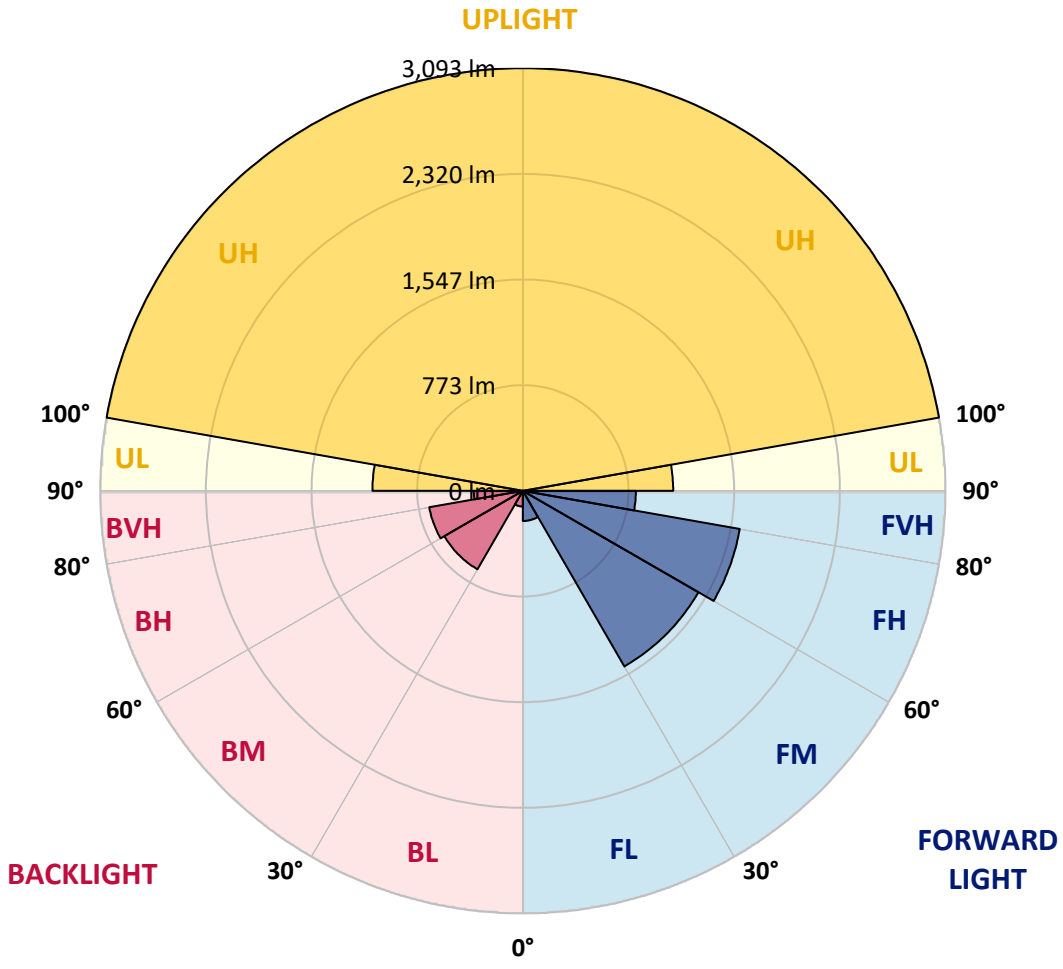
Scaled Data Report

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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°)	220.9	2.2			
FM	(30°-60°)	1484.5	14.6			
FH	(60°-80°)	1612.3	15.9			G1/1800
FVH	(80°-90°)	827.1	8.1			G5
BL	(0°-30°)	115.1	1.1	B1/500		
BM	(30°-60°)	663.2	6.5	B1/1000		
BH	(60°-80°)	695.1	6.8	B2/1000		G2/1000
BVH	(80°-90°)	359.3	3.5			G3/500
UL	(90°-100°)	1100.7	10.8		U5	
UH	(100°-180°)	3093.4	30.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	110.5	110.5	110.5	*110.5*	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	118.7	118.7	120.8	*121.5*	122.2	122.2	122.8	122.2	119.4	116.0	113.9
5°	162.0	160.6	159.9	*160.6*	160.6	157.8	153.7	146.2	140.7	131.8	128.3
7.5°	216.9	215.5	213.4	*211.4*	211.4	204.5	197.7	191.5	181.9	169.5	165.4
10°	280.7	277.9	275.2	*271.1*	266.3	260.1	251.2	240.9	227.8	214.8	206.6
12.5°	343.1	342.5	341.1	*334.9*	326.0	320.5	310.9	296.5	280.0	262.2	255.3
15°	415.2	411.8	409.7	*404.9*	399.4	388.4	372.7	358.9	339.7	315.0	306.8
17.5°	481.8	480.4	476.3	*474.9*	466.0	454.3	436.5	415.9	392.6	369.9	357.6
20°	554.5	558.0	553.1	*549.0*	533.2	521.6	505.1	485.2	457.1	424.8	411.8
22.5°	635.5	638.9	631.4	*631.4*	618.3	599.1	575.8	552.5	517.5	483.8	467.4
25°	729.5	730.9	719.2	*714.4*	704.8	685.6	657.5	630.0	589.5	547.0	527.8
27.5°	818.7	821.5	814.6	*808.4*	792.7	774.1	743.3	711.0	665.0	614.2	593.0
30°	919.6	914.1	911.4	*900.4*	883.9	864.7	830.4	794.7	741.9	682.2	656.1
32.5°	1008.8	1004.7	1006.8	*997.9*	973.8	952.6	920.3	877.1	815.3	752.9	723.3
35°	1100.8	1102.9	1100.1	*1090.5*	1076.1	1048.0	1004.0	955.3	893.5	820.1	788.5
37.5°	1194.8	1190.0	1186.6	*1178.4*	1163.9	1132.4	1089.1	1034.2	962.9	885.3	850.3
40°	1275.8	1279.2	1275.1	*1261.4*	1248.4	1213.4	1166.0	1103.6	1030.1	947.1	906.6
42.5°	1352.7	1351.3	1347.9	*1340.3*	1322.5	1285.4	1238.8	1174.9	1091.9	999.9	957.4
45°	1414.4	1415.8	1415.8	*1404.8*	1388.4	1354.7	1301.2	1236.0	1147.5	1050.7	1006.1
47.5°	1473.5	1475.5	1474.1	*1469.3*	1451.5	1411.7	1357.5	1290.2	1196.2	1096.7	1046.6
50°	1525.6	1525.6	1524.9	*1520.8*	1503.7	1465.2	1409.6	1337.6	1240.1	1135.1	1085.7
52.5°	1568.9	1568.2	1568.9	*1564.1*	1546.2	1511.2	1453.6	1376.7	1279.2	1167.4	1119.3
55°	1603.2	1601.1	1605.9	*1603.9*	1588.1	1549.0	1487.9	1413.1	1312.2	1198.3	1147.5
57.5°	1630.6	1629.9	1636.1	*1634.1*	1618.3	1579.1	1518.8	1442.6	1339.6	1223.7	1168.1
60°	1653.3	1651.9	1660.1	*1660.1*	1644.3	1605.2	1545.5	1465.2	1361.6	1243.6	1187.3
62.5°	1669.1	1669.7	1677.3	*1680.0*	1666.3	1626.5	1564.1	1485.1	1379.4	1259.3	1202.4
65°	1680.0	1681.4	1690.3	*1695.8*	1682.1	1643.0	1578.5	1499.5	1393.9	1272.4	1214.0
67.5°	1686.9	1687.6	1699.9	*1705.4*	1694.4	1653.3	1590.8	1509.8	1403.5	1280.6	1223.0
70°	1689.6	1690.3	1704.1	*1712.3*	1701.3	1659.4	1596.3	1515.3	1409.6	1286.1	1227.8
72.5°	*1687.6*	*1689.0*	*1703.4*	*1714.3*	*1703.4*	*1662.2*	*1598.4*	*1518.1*	*1411.0*	*1292.3*	*1229.1*
75°	1680.7	1682.1	1698.6	*1709.5*	1701.3	1658.8	1594.9	1515.3	1409.0	1286.8	1227.1
77.5°	1669.1	1671.1	1688.3	*1702.0*	1692.4	1651.9	1588.1	1507.8	1401.4	1279.9	1219.5
80°	1651.9	1652.6	1671.8	*1685.5*	1678.7	1638.2	1574.3	1494.7	1389.0	1268.3	1209.2
82.5°	1629.9	1632.7	1651.2	*1666.3*	1660.1	1618.3	1556.5	1478.3	1373.3	1253.8	1194.1
85°	1606.6	1609.3	1626.5	*1643.0*	1635.4	1596.3	1534.5	1457.0	1352.0	1233.9	1177.0
87.5°	1578.5	1580.5	1597.0	*1614.2*	1607.3	1568.2	1508.5	1432.3	1330.0	1215.4	1157.1
90°	1547.6	1549.6	1565.4	*1581.9*	1573.0	1535.9	1477.6	1402.8	1303.3	1190.7	1134.4
92.5°	1514.6	1515.3	1533.2	*1542.1*	1537.3	1504.3	1446.7	1374.6	1275.1	1165.3	1112.5
95°	1477.6	1477.6	1494.7	*1504.3*	1496.1	1465.2	1411.0	1338.9	1242.2	1139.2	1085.0
97.5°	1437.1	1438.5	1451.5	*1461.1*	1458.4	1426.1	1374.6	1306.0	1213.4	1111.1	1059.6
100°	1395.2	1395.2	1406.9	*1415.1*	1409.0	1382.9	1334.1	1271.0	1177.0	1080.9	1030.8
102.5°	1351.3	1350.6	1360.2	*1366.4*	1362.3	1338.3	1293.0	1230.5	1142.7	1049.3	1002.0
105°	1302.6	1300.5	1310.1	*1317.0*	1312.9	1291.6	1253.2	1192.8	1107.7	1018.5	973.2
107.5°	1250.4	1253.8	1259.3	*1263.5*	1260.0	1241.5	1205.1	1151.6	1071.3	986.2	942.3
110°	1201.0	1203.1	1203.7	*1208.6*	1207.9	1192.8	1161.9	1108.4	1032.2	951.9	909.3

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REPORT NUMBER: P1223880
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1150.9	1150.2	1150.9	*1154.3*	1154.3	1139.2	1109.7	1063.1	993.7	915.5	876.4
115°	1096.7	1093.9	1094.6	*1095.3*	1098.1	1086.4	1061.0	1017.1	949.1	879.8	841.4
117.5°	1040.4	1039.7	1038.4	*1036.3*	1036.3	1031.5	1009.5	970.4	905.9	837.3	805.0
120°	986.9	984.1	980.7	*978.6*	980.0	974.5	956.7	917.6	860.6	798.8	766.6
122.5°	925.1	927.2	925.1	*922.4*	923.1	917.6	902.5	869.5	812.6	753.5	724.7
125°	872.3	871.6	868.8	*864.7*	864.7	862.7	846.2	817.4	766.6	710.3	683.5
127.5°	813.3	813.9	811.2	*809.1*	810.5	806.4	795.4	762.5	717.9	667.8	641.7
130°	757.7	757.0	756.3	*752.2*	755.6	748.1	738.4	711.0	668.4	625.9	601.9
132.5°	705.5	701.4	698.6	*698.0*	697.3	696.6	684.9	660.9	625.2	582.7	559.3
135°	653.3	649.9	646.5	*645.1*	646.5	643.1	632.8	612.9	579.9	538.7	520.9
137.5°	599.8	598.4	598.4	*595.0*	595.0	592.3	583.3	566.9	536.0	500.3	482.5
140°	551.8	549.0	547.7	*545.6*	547.7	544.9	535.3	519.5	493.4	462.6	445.4
142.5°	502.4	499.6	501.7	*499.6*	497.6	496.2	488.0	475.6	453.0	424.8	410.4
145°	456.4	456.4	455.0	*455.7*	454.3	453.0	444.7	433.0	413.8	387.8	377.5
147.5°	413.1	414.5	413.1	*414.5*	414.5	409.0	403.5	393.9	376.1	355.5	344.5
150°	372.7	374.7	373.3	*372.7*	373.3	370.6	363.0	357.6	341.8	323.9	312.9
152.5°	338.3	339.7	339.7	*338.3*	337.7	336.3	328.7	321.2	308.8	295.1	287.6
155°	306.1	306.1	306.8	*307.5*	305.4	301.3	298.5	292.4	281.4	269.0	261.5
157.5°	279.3	278.6	279.3	*278.6*	277.9	273.8	269.7	264.9	256.0	245.0	240.9
160°	253.9	253.9	254.6	*253.9*	251.2	249.1	245.7	241.6	234.0	226.5	221.0
162.5°	233.3	233.3	233.3	*232.7*	229.9	229.2	225.1	221.0	214.8	208.6	204.5
165°	215.5	215.5	214.8	*214.8*	213.4	211.4	207.9	204.5	199.0	194.2	191.5
167.5°	201.1	200.4	199.7	*199.0*	198.3	196.3	192.8	190.8	186.7	182.6	180.5
170°	188.7	188.7	188.0	*188.0*	186.7	184.6	182.6	179.8	177.1	172.9	171.6
172.5°	177.7	177.7	177.7	*177.7*	175.7	175.0	172.9	170.9	168.8	166.1	164.7
175°	169.5	169.5	169.5	*169.5*	168.1	166.8	166.1	164.0	162.7	160.6	159.9
177.5°	163.3	163.3	163.3	*163.3*	162.7	161.3	160.6	159.2	157.8	157.2	156.5
180°	157.8	157.8	157.8	*157.8*	157.8	157.8	157.8	157.8	157.8	157.8	157.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	111.9	107.7	102.3	96.1	91.3	85.1	78.9	75.5	73.4	72.1
5°	124.9	116.0	107.7	98.8	92.0	85.8	78.9	73.4	70.7	70.0
7.5°	159.2	146.9	134.5	123.5	113.9	104.3	97.5	92.0	88.5	88.5
10°	200.4	183.2	168.8	154.4	141.4	129.7	120.1	114.6	110.5	109.1
12.5°	247.1	226.5	206.6	190.1	170.9	157.8	146.2	138.6	133.8	133.1
15°	295.8	274.5	249.1	226.5	205.2	184.6	170.9	159.9	155.8	155.8
17.5°	342.5	315.0	286.9	259.4	233.3	209.3	190.1	177.7	171.6	170.2
20°	392.6	359.6	323.2	291.0	258.7	230.6	207.9	192.2	183.9	183.2
22.5°	444.0	405.6	366.5	323.9	286.9	253.2	226.5	207.9	197.7	196.3
25°	503.0	456.4	409.7	363.0	318.4	278.6	247.1	224.4	212.7	211.4
27.5°	568.2	509.9	454.3	400.8	348.6	304.7	267.0	240.9	226.5	225.8
30°	628.0	563.4	500.3	438.5	381.6	328.7	286.9	256.7	240.9	238.8
32.5°	687.7	616.3	544.9	477.0	411.1	354.1	306.8	271.8	253.2	251.9
35°	749.4	668.4	590.9	512.7	444.0	379.5	325.3	286.9	267.0	264.2
37.5°	807.1	719.9	634.8	551.8	472.9	402.9	343.1	301.3	278.6	275.2
40°	859.9	765.9	674.6	585.4	500.3	424.8	360.3	313.6	288.2	285.5
42.5°	908.6	809.1	711.0	614.9	525.7	444.0	374.7	323.9	295.8	293.0
45°	954.6	849.6	744.6	642.4	547.7	461.9	388.4	333.5	303.3	299.2
47.5°	993.7	883.9	771.4	665.7	567.6	477.0	398.7	340.4	308.8	304.7
50°	1028.7	912.8	796.8	688.3	584.7	490.7	408.3	345.9	311.6	307.5
52.5°	1056.9	939.5	818.7	706.2	600.5	501.7	415.2	350.7	314.3	310.2
55°	1084.3	961.5	838.0	722.0	612.2	512.0	420.7	353.4	315.7	310.9
57.5°	1107.0	980.0	853.7	734.3	623.8	518.8	425.5	354.8	315.7	310.2
60°	1123.5	994.4	866.1	744.6	631.4	525.0	428.9	355.5	315.0	309.5
62.5°	1137.9	1006.1	875.0	753.5	638.9	529.8	432.4	356.2	313.6	308.1
65°	1148.8	1015.7	882.6	759.0	643.7	533.9	433.0	355.5	311.6	306.1
67.5°	1157.8	1021.9	887.4	763.8	647.2	536.0	434.4	354.8	310.2	304.0
70°	1161.2	1024.6	890.1	765.9	649.2	537.4	434.4	353.4	307.5	301.3
72.5°	*1160.5*	*1024.6*	*890.8*	*766.6*	*649.9*	*538.1*	*433.7*	*351.4*	*305.4*	*299.2*
75°	1158.5	1022.6	889.4	765.9	649.2	537.4	433.0	350.0	303.3	297.8
77.5°	1153.0	1017.1	884.6	763.2	647.9	535.3	431.0	348.6	302.0	295.1
80°	1143.4	1008.8	877.8	757.0	643.1	533.2	428.9	345.9	299.2	293.7
82.5°	1129.6	998.5	869.5	751.5	638.9	529.1	426.2	344.5	297.8	292.4
85°	1113.8	985.5	858.5	743.3	632.8	525.0	422.8	341.8	296.5	291.0
87.5°	1094.6	968.4	847.6	733.6	625.2	519.5	419.3	339.7	295.8	290.3
90°	1074.7	952.6	833.8	724.7	619.0	514.0	415.9	338.3	295.1	290.3
92.5°	1052.8	935.4	820.8	713.1	610.8	508.5	412.5	337.0	295.1	290.3
95°	1030.8	917.6	807.8	702.8	602.6	503.0	409.0	336.3	296.5	291.7
97.5°	1004.7	897.0	792.0	691.8	593.0	496.9	406.3	335.6	297.2	293.0
100°	980.0	876.4	775.5	679.4	584.0	490.0	402.2	334.9	298.5	293.7
102.5°	953.3	856.5	759.0	666.4	574.4	482.5	398.7	334.2	299.9	295.8
105°	926.5	832.5	741.2	651.3	562.8	474.9	394.6	333.5	300.6	296.5
107.5°	897.0	809.8	721.3	636.9	551.1	466.7	389.1	332.2	301.3	297.2
110°	866.8	783.1	700.7	620.4	537.4	456.4	383.6	328.7	300.6	297.2

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

Scaled Data Report

REPORT NUMBER: P1223880
CATALOG NUMBER: FFX-CLB-80-722-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	838.0	757.7	678.1	601.9	523.0	446.1	376.1	325.3	298.5	295.8
115°	802.3	728.8	654.0	582.0	506.5	433.0	367.9	320.5	295.8	292.4
117.5°	769.3	698.6	628.6	560.7	489.3	420.0	358.2	314.3	291.0	288.2
120°	732.3	666.4	601.2	536.7	470.1	404.9	346.6	306.8	284.8	282.8
122.5°	695.9	634.8	573.1	512.0	449.5	387.8	334.9	297.2	277.9	275.9
125°	657.5	601.2	543.5	485.9	426.9	369.9	321.2	286.2	269.0	267.0
127.5°	618.3	566.2	512.0	458.4	404.9	352.1	306.8	275.2	258.7	258.0
130°	577.2	530.5	481.1	431.7	382.3	333.5	291.7	263.5	248.4	247.1
132.5°	540.1	496.9	450.9	404.2	357.6	315.0	277.3	251.2	238.1	236.8
135°	503.7	460.5	420.7	379.5	336.3	296.5	262.8	239.5	227.8	226.5
137.5°	466.7	428.9	391.9	353.4	314.3	278.6	249.1	228.5	218.2	216.9
140°	429.6	398.0	364.4	328.0	294.4	262.2	235.4	218.2	208.6	207.3
142.5°	396.0	365.8	335.6	304.0	273.8	246.4	223.0	206.6	198.3	197.7
145°	363.0	337.0	309.5	281.4	255.3	232.7	211.4	197.7	190.8	190.1
147.5°	333.5	310.2	285.5	261.5	238.8	217.6	200.4	188.7	181.9	181.2
150°	304.0	283.4	262.8	242.3	223.0	205.2	190.1	180.5	175.7	174.3
152.5°	277.9	261.5	242.9	225.8	208.6	193.5	181.9	172.9	168.8	168.1
155°	254.6	240.9	225.8	210.7	197.0	184.6	174.3	167.5	164.0	164.0
157.5°	234.7	223.0	210.7	198.3	187.4	177.1	168.8	163.3	160.6	159.9
160°	216.9	206.6	197.0	188.0	177.7	170.2	164.0	159.2	157.2	156.5
162.5°	200.4	193.5	186.0	178.4	170.9	164.7	159.9	156.5	155.1	155.1
165°	188.7	182.6	176.4	170.9	165.4	161.3	157.2	155.1	153.7	153.0
167.5°	178.4	173.6	169.5	165.4	161.3	157.8	155.1	153.7	152.4	152.4
170°	170.2	166.8	164.0	161.3	158.5	155.8	154.4	153.0	152.4	152.4
172.5°	163.3	161.3	159.2	157.8	155.8	154.4	153.0	152.4	152.4	152.4
175°	159.2	157.8	156.5	155.8	155.1	154.4	153.7	153.0	153.0	153.0
177.5°	156.5	155.8	155.8	155.1	155.1	155.1	155.1	155.1	155.1	155.1
180°	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8

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: SP1-2501-332-2

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

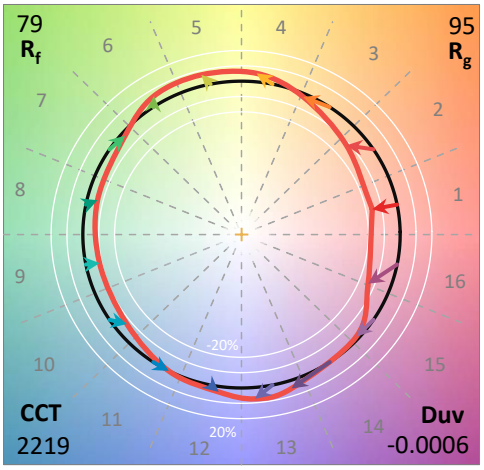
Test Information

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

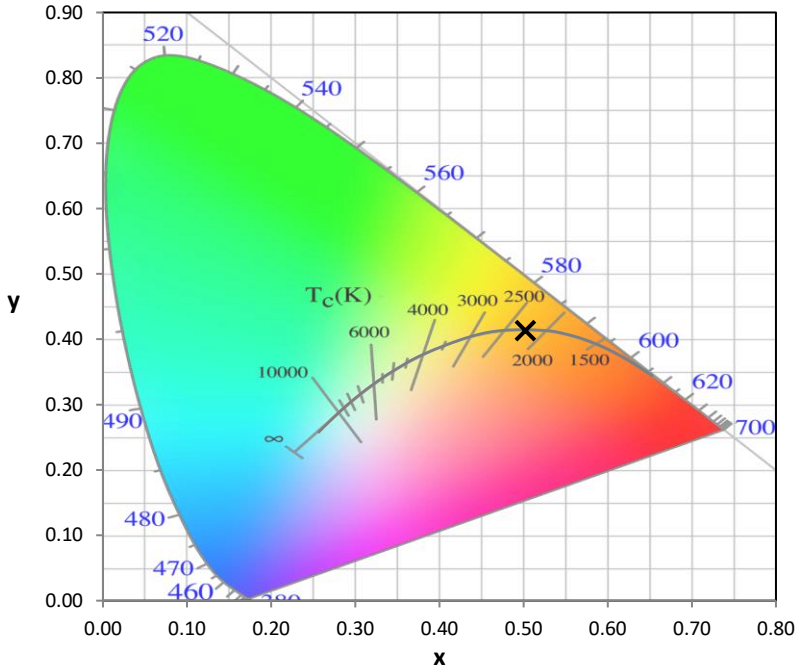
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

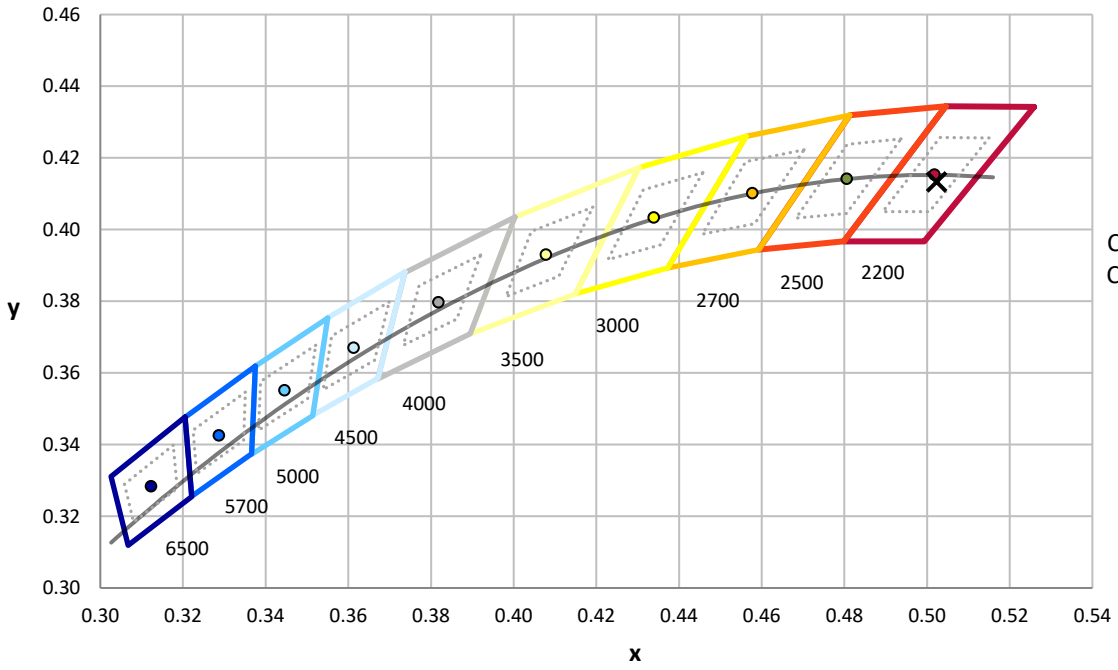
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

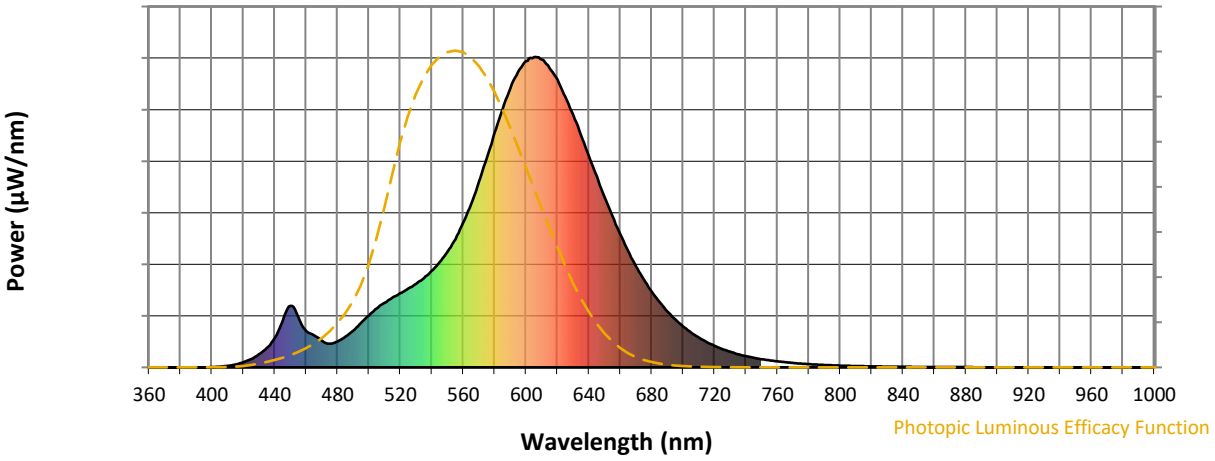


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

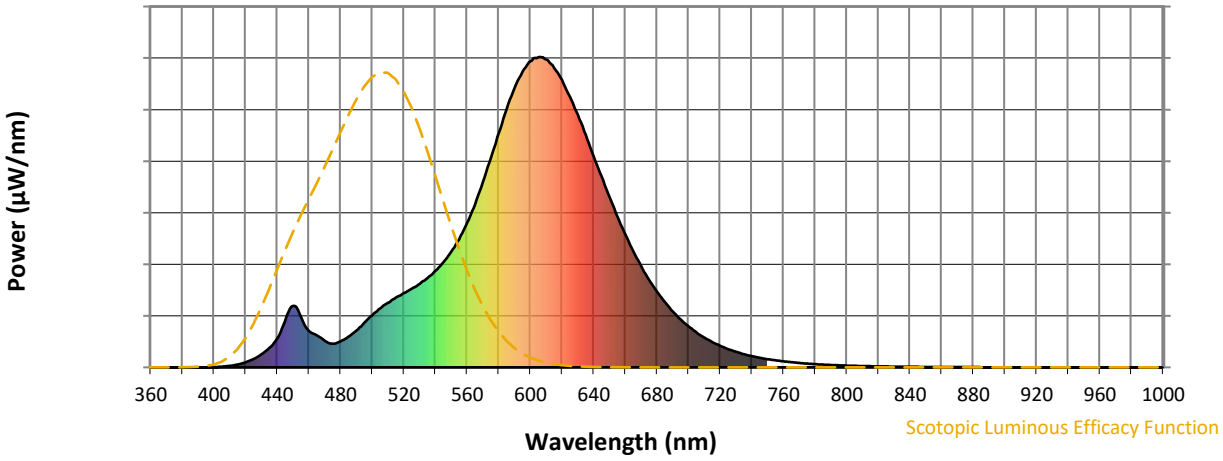


Photopic Lumens: NR

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

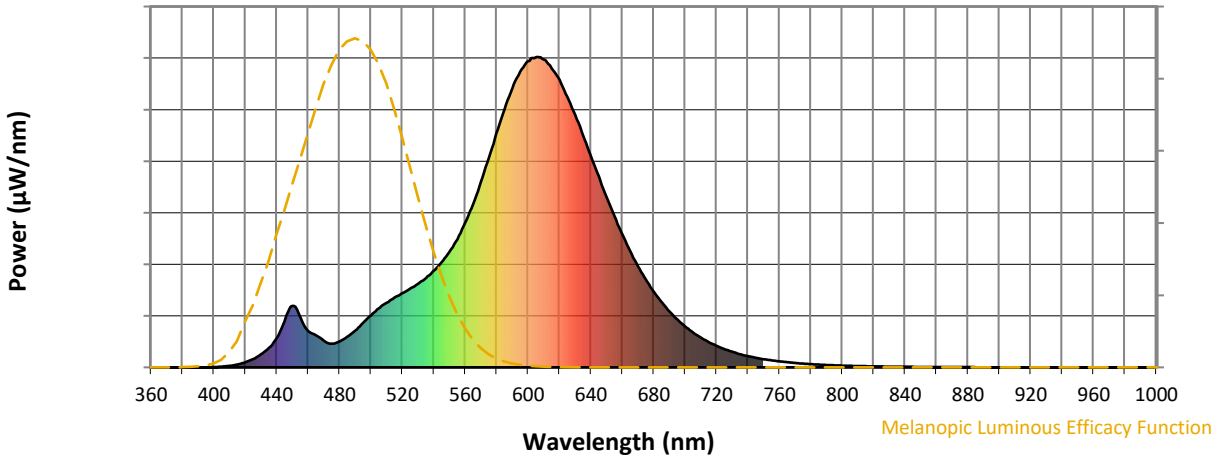


Scotopic Lumens: NR **S/P: 0.94**

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			

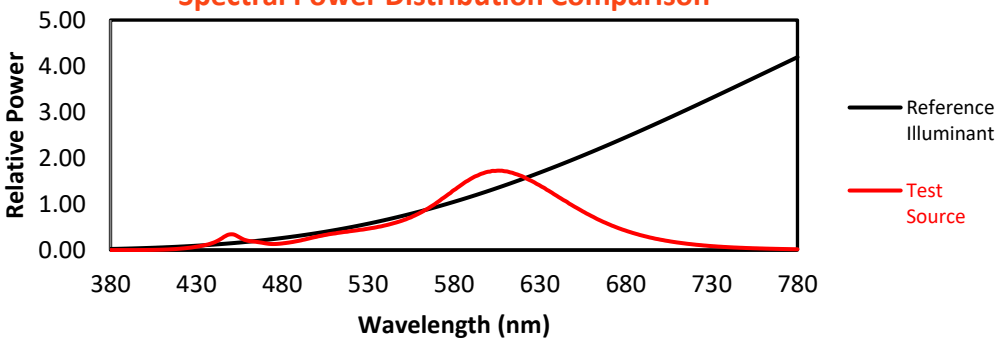
REPORT NUMBER: SP1-2501-332-2

TM-30-18

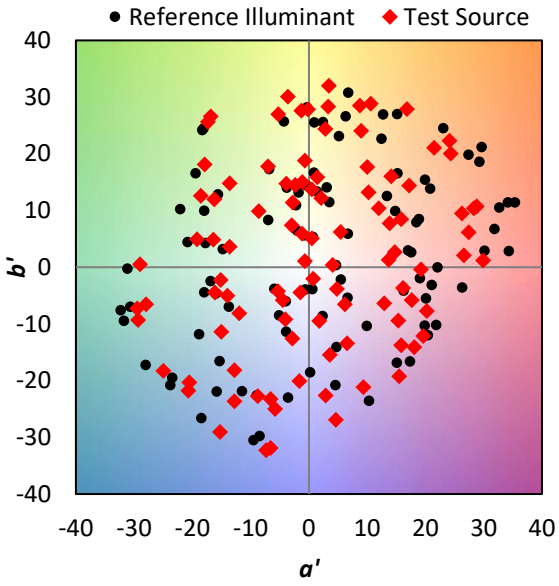
Summary

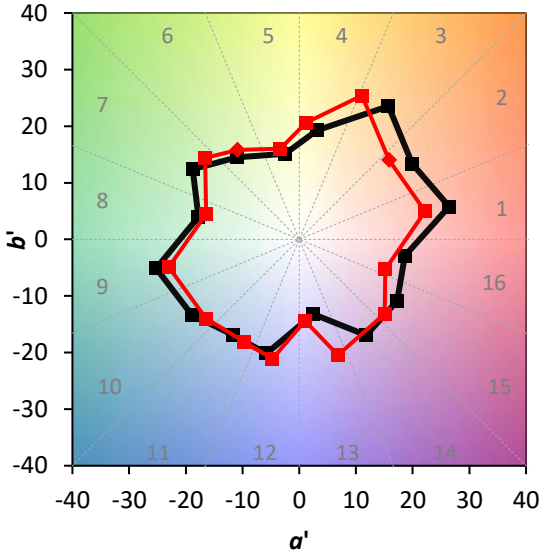
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

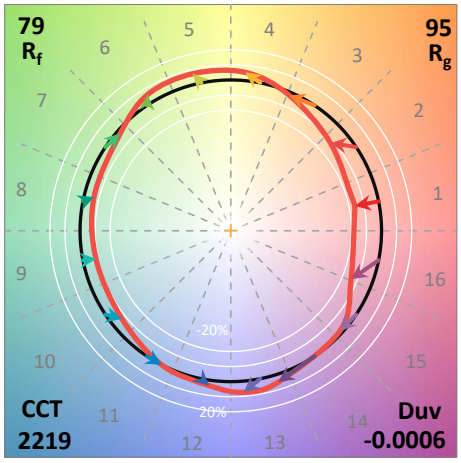
Spectral Power Distribution Comparison

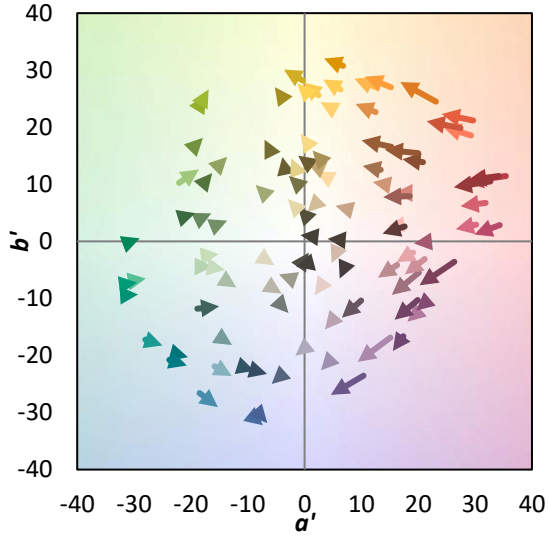


Color Vector Graphics







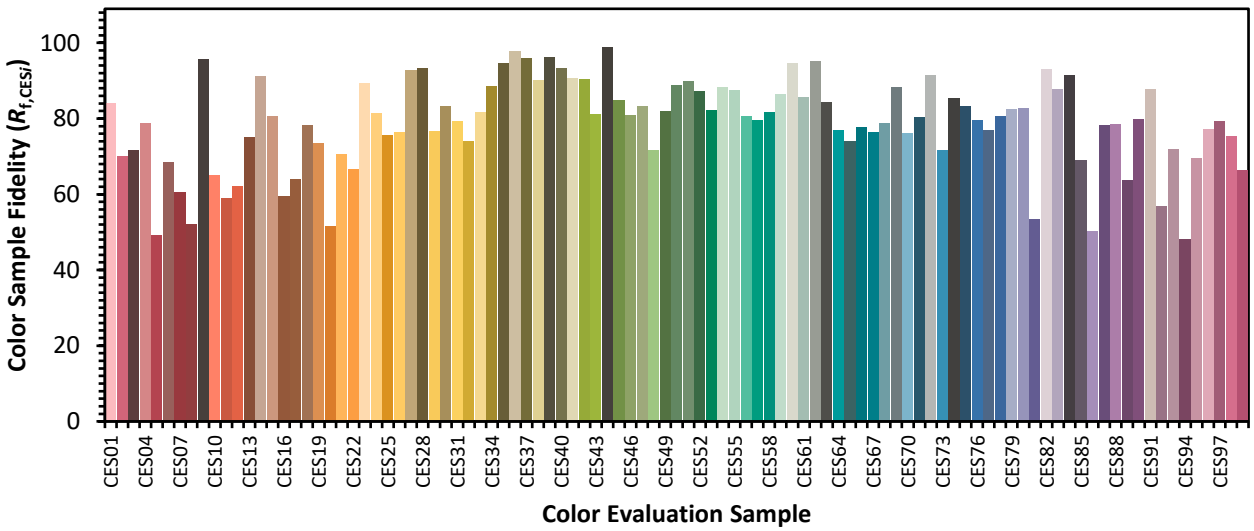


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

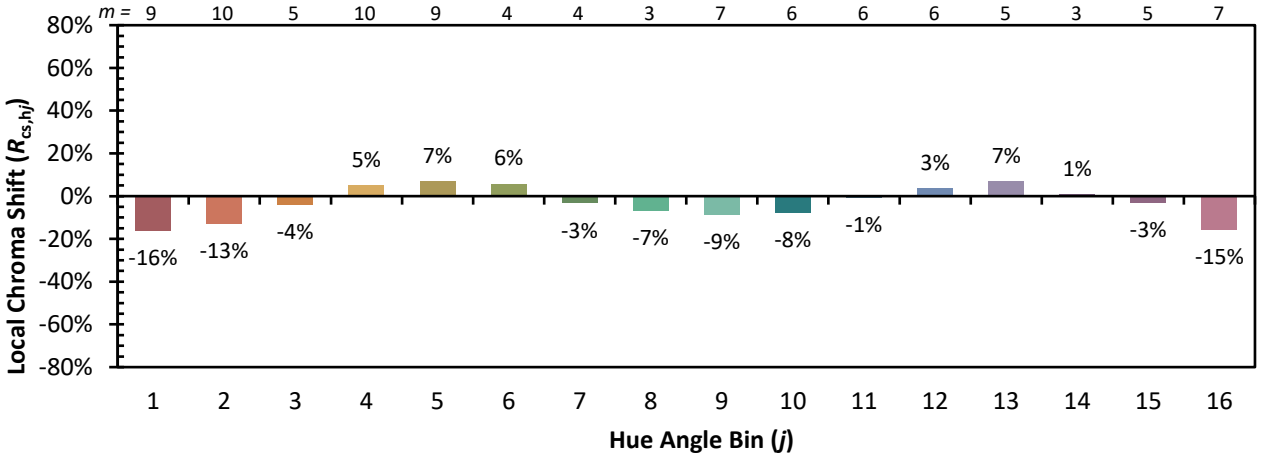
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

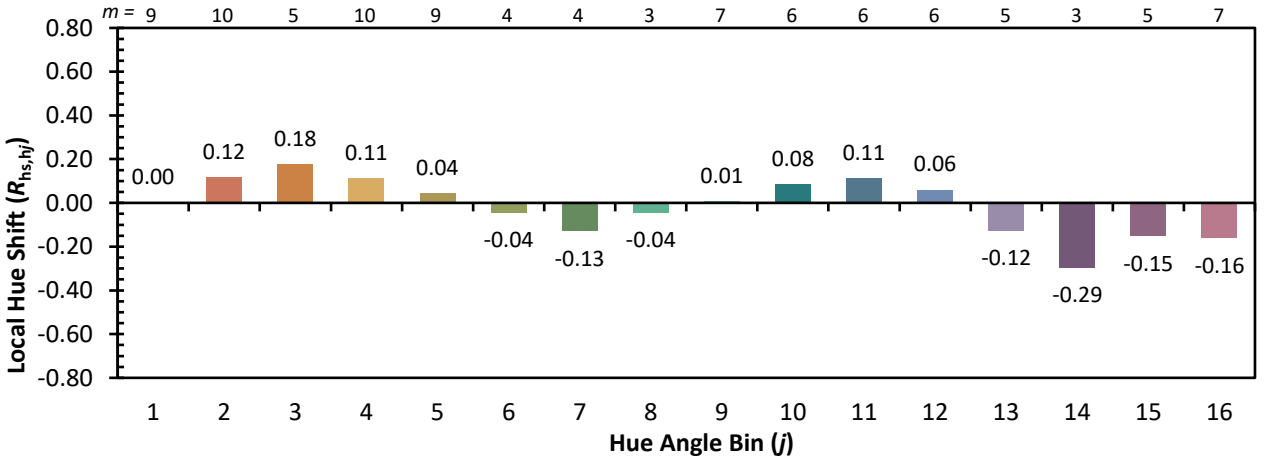


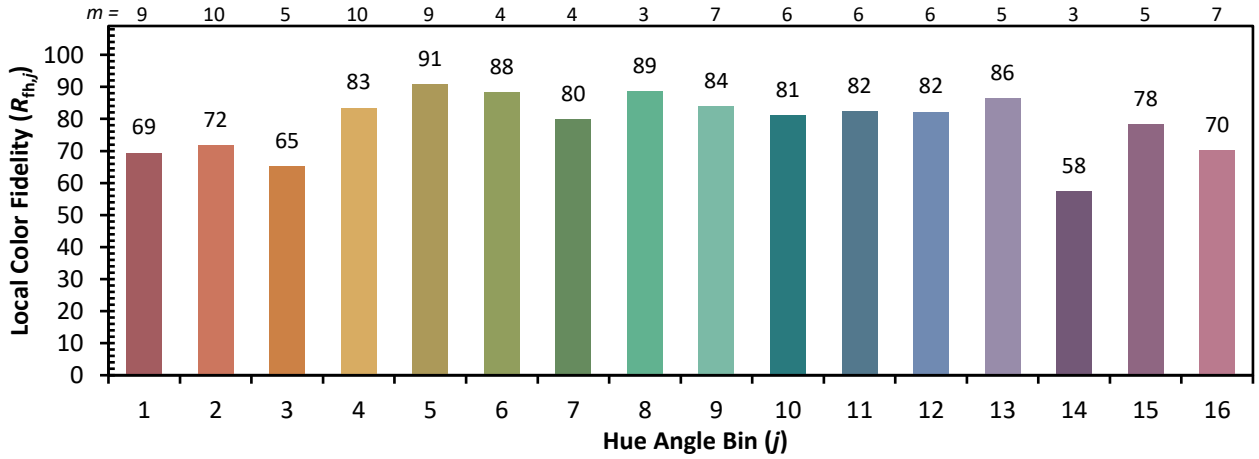
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Color Rendition by Hue-Angle Bin



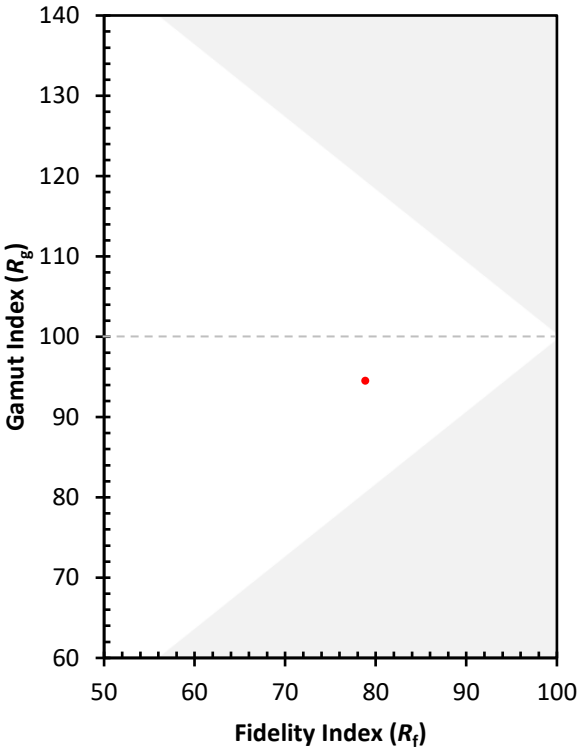


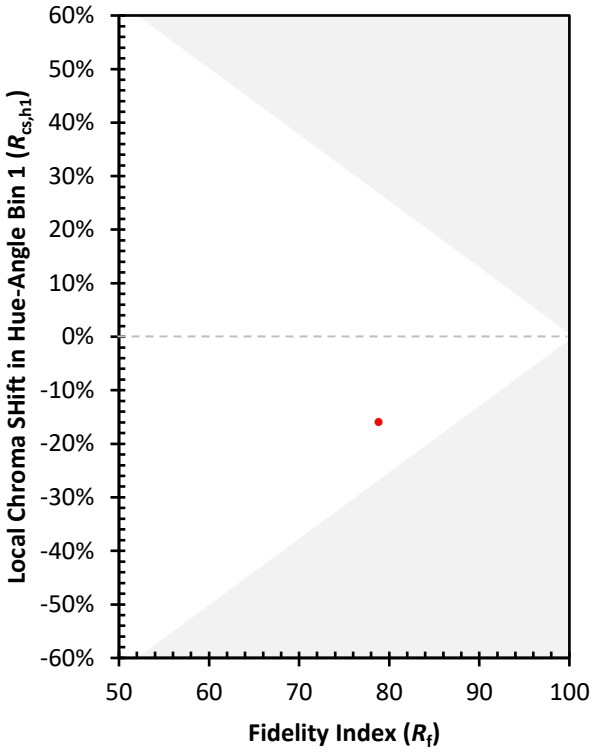


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Measure Comparisons





(END OF REPORT)