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: P1224015

Luminaire Tested: **FFX-CLB-80-722-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224015
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-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:	9358.8 lumens
Efficiency:	N/A
Efficacy:	114.4 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):	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

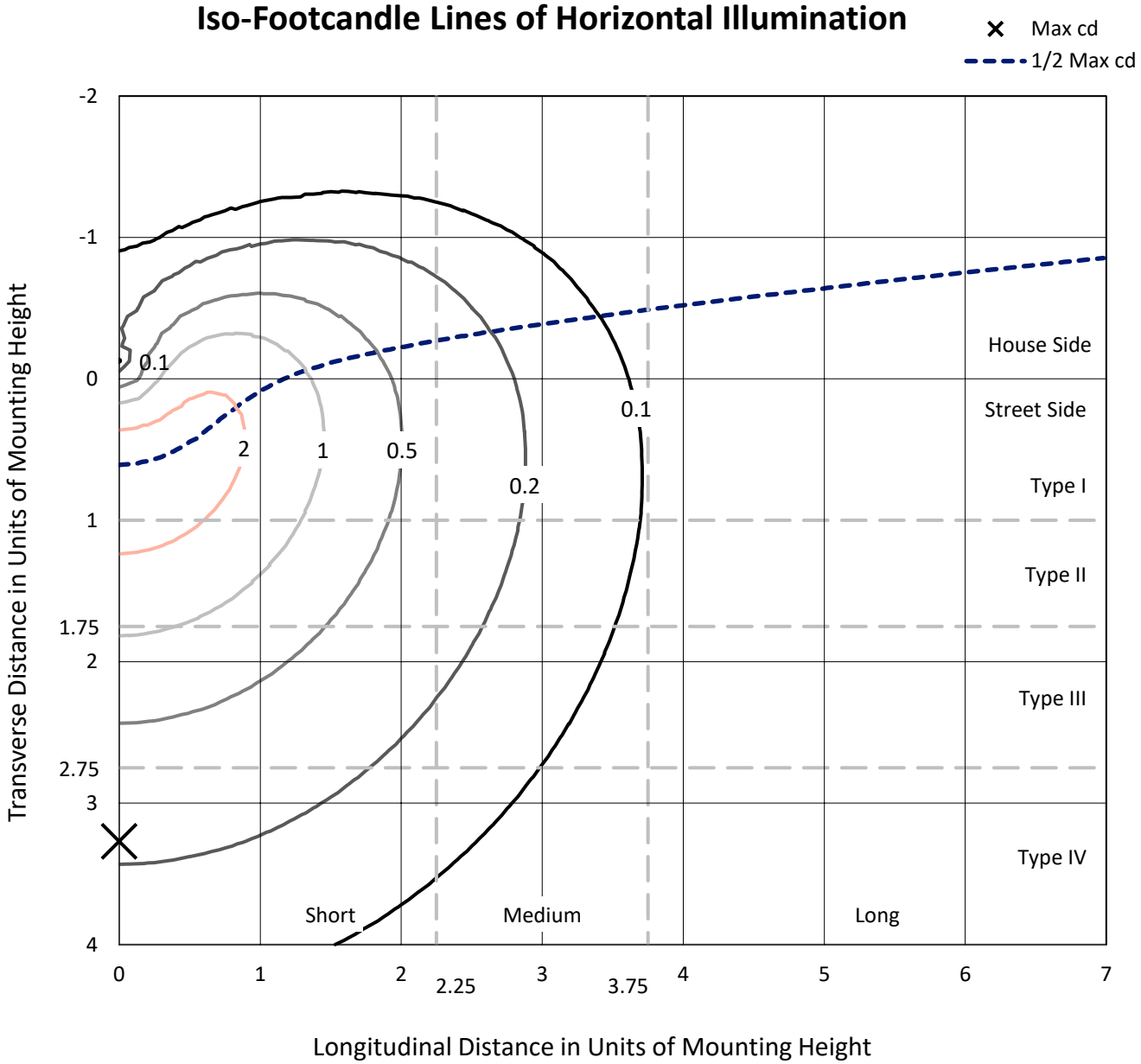


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Iso-Footcandle Lines of Horizontal Illumination



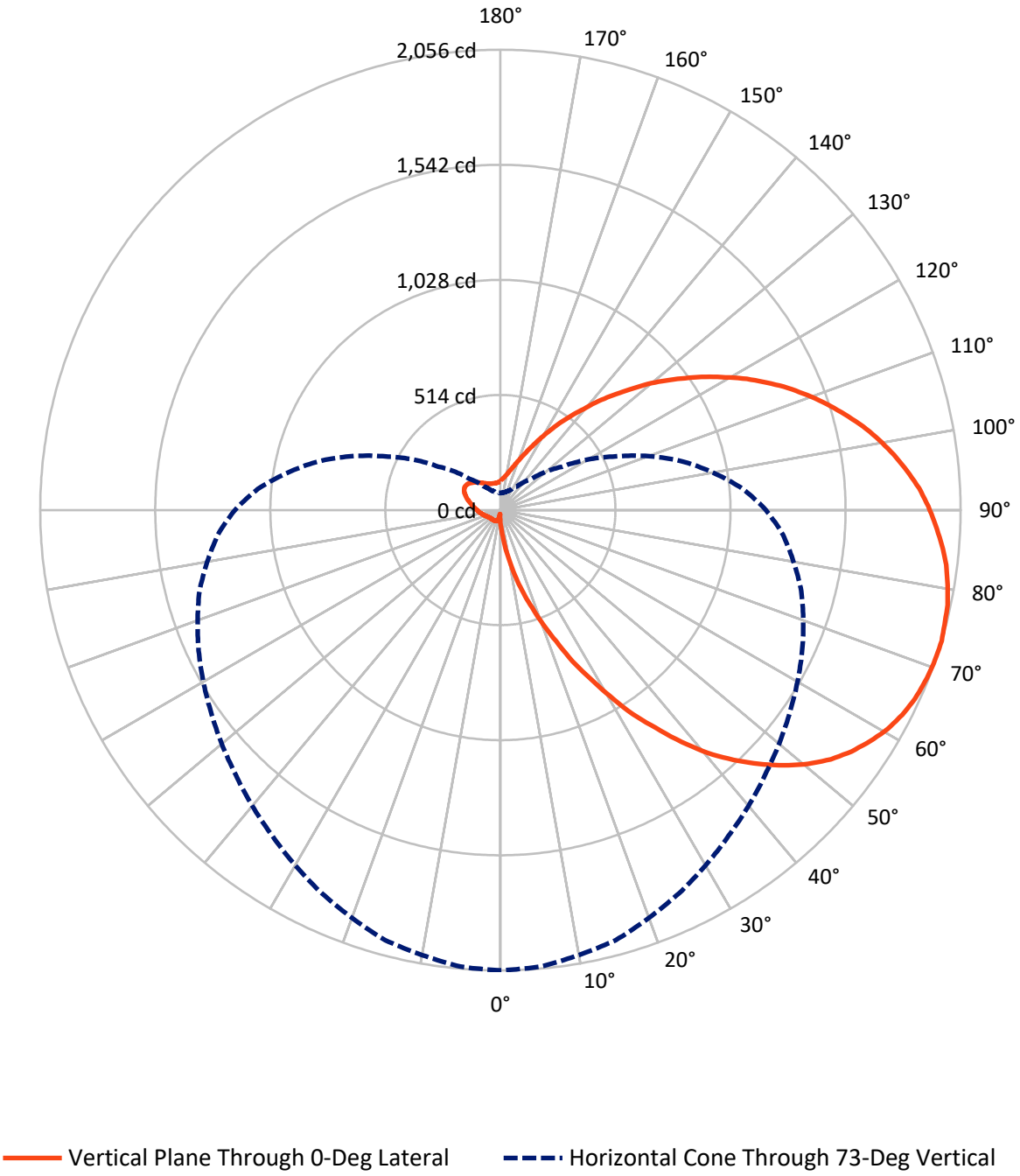
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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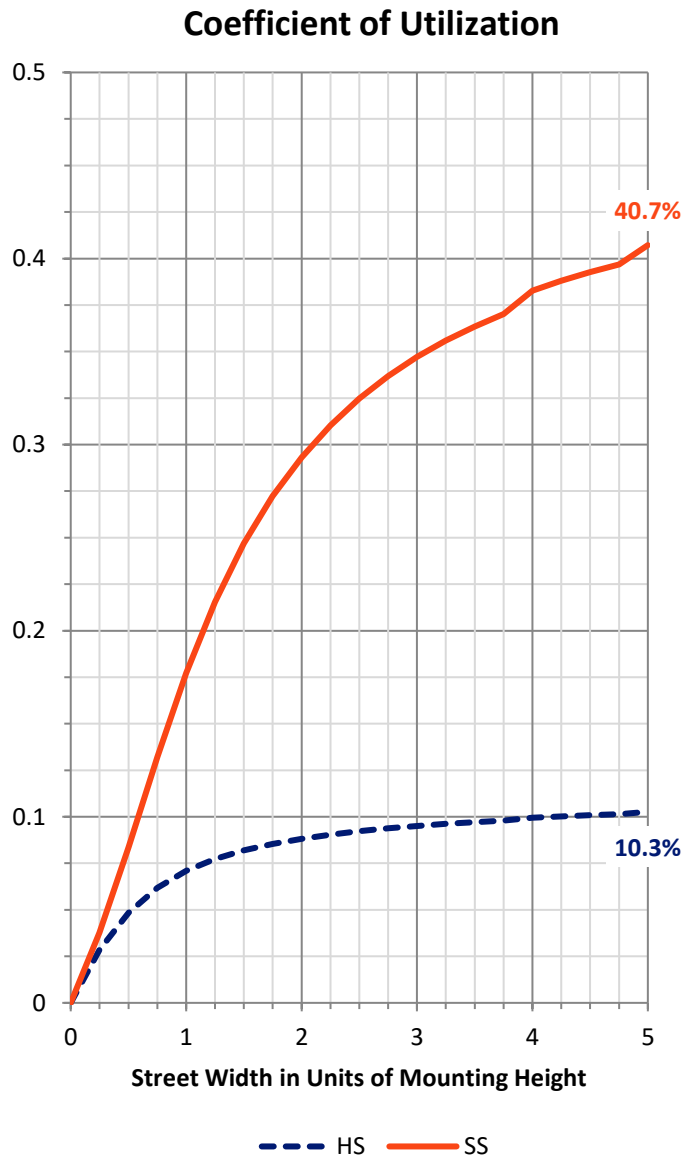
REPORT NUMBER: P1224015
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.6	1018.6	2055.2
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	4370.6	2933.0	7303.6
	% Fixture	46.7	31.3	78.0
Total	Lumens	5407.2	3951.6	9358.8
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	66.4	0.7
20°-30°	200.4	2.1
30°-40°	417.3	4.5
40°-50°	661.5	7.1
50°-60°	868.9	9.3
60°-70°	1012.3	10.8
70°-80°	1085.1	11.6
80°-90°	1085.9	11.6
90°-100°	1018.3	10.9
100°-110°	895.8	9.6
110°-120°	739.7	7.9
120°-130°	556.8	5.9
130°-140°	367.4	3.9
140°-150°	210.7	2.3
150°-160°	104.5	1.1
160°-170°	45.6	0.5
170°-180°	12.8	0.1
0°-90°	5407.2	57.8
0°-180°	9358.8	100.0



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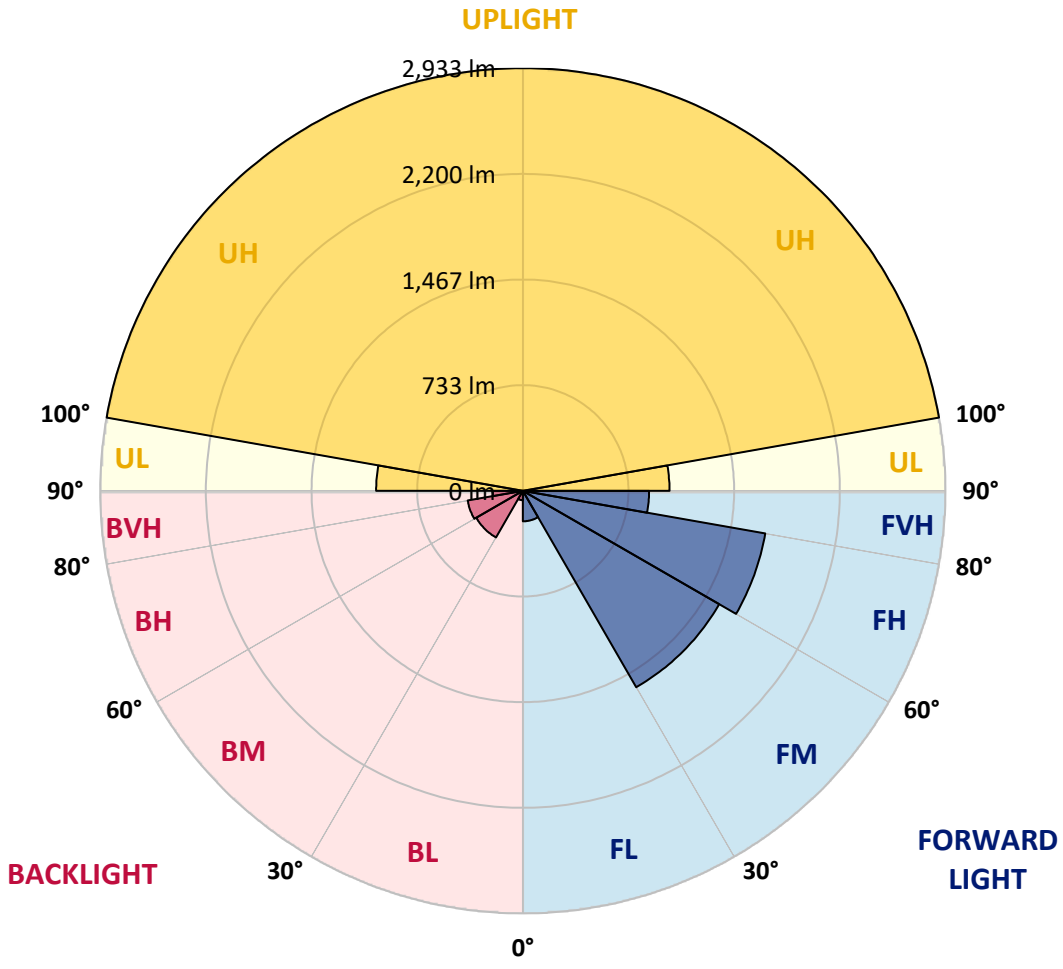
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	211.6	2.3			
FM	(30°-60°)	1574.1	16.8			
FH	(60°-80°)	1708.6	18.3			G1/1800
FVH	(80°-90°)	876.3	9.4			G5
BL	(0°-30°)	64.7	0.7	B0/110		
BM	(30°-60°)	373.5	4.0	B1/1000		
BH	(60°-80°)	388.8	4.2	B1/500		G1/500
BVH	(80°-90°)	209.6	2.2			G2/225
UL	(90°-100°)	1018.3	10.9		U5	
UH	(100°-180°)	2933.3	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°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	84.4	85.1	84.4	85.7	82.5	82.5	80.0	77.4	74.2	70.4	67.8
5°	125.4	124.7	124.7	125.4	123.5	117.7	111.3	102.3	94.7	86.4	81.9
7.5°	180.4	177.8	175.3	174.6	168.2	159.9	151.0	140.7	129.8	118.3	110.0
10°	237.9	239.9	237.3	230.3	222.6	213.0	201.5	187.4	173.3	157.4	147.8
12.5°	312.1	307.0	300.6	293.6	285.9	277.0	258.4	242.4	222.6	202.8	190.0
15°	384.4	379.9	379.9	371.0	358.8	345.4	328.1	308.3	280.8	249.5	237.9
17.5°	458.6	459.3	452.9	442.6	431.8	414.5	395.9	367.8	339.6	307.0	287.2
20°	545.6	543.1	538.6	530.9	511.7	496.4	473.3	442.0	403.6	364.0	339.6
22.5°	635.8	637.1	637.1	624.9	607.0	585.9	559.7	523.9	478.5	427.3	397.9
25°	748.4	747.7	735.6	721.5	707.4	685.7	652.4	608.9	559.0	497.6	463.1
27.5°	850.7	850.1	847.5	834.7	813.6	785.5	746.5	699.1	642.2	568.6	527.7
30°	964.6	967.1	960.1	949.2	921.7	892.9	847.5	791.9	724.7	645.4	599.3
32.5°	1088.0	1082.9	1077.2	1063.1	1033.0	992.7	941.6	884.0	810.4	719.6	669.1
35°	1194.9	1204.4	1195.5	1173.7	1136.6	1093.8	1037.5	972.9	892.9	795.7	738.1
37.5°	1315.1	1313.2	1299.8	1278.6	1242.8	1188.5	1129.0	1054.1	964.6	863.5	799.6
40°	1427.0	1419.4	1411.7	1380.3	1334.9	1280.6	1207.0	1130.9	1038.8	924.9	860.3
42.5°	1526.2	1525.5	1505.1	1473.7	1416.8	1356.7	1280.6	1195.5	1099.5	981.8	908.9
45°	1617.7	1615.7	1595.9	1549.2	1495.5	1423.2	1343.9	1255.6	1154.6	1030.5	960.7
47.5°	1704.0	1698.9	1671.4	1624.1	1556.2	1480.1	1398.3	1305.5	1201.2	1074.0	1001.0
50°	1782.7	1778.2	1746.2	1686.1	1613.8	1532.6	1443.0	1347.1	1245.4	1117.5	1038.8
52.5°	1849.8	1842.2	1805.1	1740.5	1658.0	1572.2	1478.9	1382.9	1279.9	1148.2	1072.0
55°	1903.6	1895.3	1855.6	1783.3	1697.0	1604.2	1509.6	1414.2	1306.8	1175.7	1097.6
57.5°	1948.3	1942.0	1898.5	1819.1	1727.0	1631.7	1535.8	1438.6	1331.7	1201.2	1120.0
60°	1987.4	1979.7	1930.4	1848.6	1751.3	1652.8	1555.0	1457.7	1352.8	1221.1	1140.5
62.5°	2014.9	2009.1	1957.3	1869.7	1768.6	1668.8	1567.8	1473.7	1368.8	1239.0	1155.8
65°	2034.7	2027.7	1975.2	1882.5	1779.5	1676.5	1577.4	1480.8	1379.1	1249.9	1167.3
67.5°	2046.2	2041.1	1986.1	1891.4	1784.0	1680.3	1581.8	1487.8	1387.4	1258.8	1176.3
70°	2053.9	2046.2	1990.6	1893.3	1782.7	1679.7	1581.8	1488.4	1391.9	1265.2	1181.4
72.5°	2055.8	2047.5	1989.9	1890.1	1778.8	1673.3	1578.6	1489.1	1393.1	1268.4	1186.5
73°	2056.4	2047.5	1989.3	1888.9	1776.9	1672.7	1578.0	1487.8	1391.9	1267.8	1186.5
75°	2049.4	2043.7	1984.2	1881.2	1770.5	1666.3	1573.5	1484.6	1391.9	1268.4	1185.9
77.5°	2042.4	2033.4	1971.4	1870.3	1755.8	1654.8	1563.9	1478.2	1387.4	1267.1	1185.3
80°	2025.7	2016.8	1954.7	1849.8	1737.3	1638.1	1550.5	1468.0	1379.1	1260.1	1180.1
82.5°	2006.6	1996.3	1931.7	1826.2	1714.9	1617.0	1533.2	1454.5	1368.2	1251.8	1172.5
85°	1978.4	1970.7	1904.9	1797.4	1689.3	1595.3	1513.4	1438.6	1354.1	1239.0	1160.9
87.5°	1945.8	1939.4	1871.0	1764.8	1656.7	1567.1	1490.4	1417.4	1338.1	1224.9	1148.2
90°	1911.9	1904.2	1835.8	1727.7	1624.7	1536.4	1463.5	1395.1	1318.3	1207.6	1131.5
92.5°	1872.9	1863.9	1794.8	1689.9	1589.5	1505.1	1437.3	1370.1	1295.9	1187.8	1114.3
95°	1825.5	1817.2	1748.8	1643.9	1545.4	1468.6	1402.7	1340.7	1269.7	1164.1	1093.1
97.5°	1775.0	1767.3	1698.2	1597.8	1502.5	1427.0	1365.6	1309.3	1241.5	1141.1	1069.5
100°	1720.6	1710.4	1642.0	1545.4	1451.3	1382.9	1327.9	1277.4	1210.8	1112.3	1043.9
102.5°	1663.1	1653.5	1588.2	1493.6	1405.3	1338.8	1288.9	1239.6	1178.9	1086.1	1018.9
105°	1597.8	1592.7	1526.8	1435.4	1352.8	1291.4	1244.7	1201.9	1144.3	1054.1	992.7
107.5°	1533.2	1523.0	1461.6	1374.0	1296.6	1240.9	1200.6	1160.9	1108.5	1022.1	963.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1464.8*	1454.5	1399.5	1315.7	1244.1	1191.0	1153.9	1118.7	1071.4	990.8	935.8
112.5°	*1395.7*	1384.2	1329.8	1253.1	1183.3	1139.8	1105.9	1076.5	1033.7	959.5	905.1
115°	*1320.9*	1316.4	1263.3	1189.7	1128.3	1087.4	1058.0	1031.1	990.8	925.6	875.7
117.5°	*1247.3*	1239.0	1192.9	1125.1	1068.2	1029.8	1007.4	983.8	947.3	885.9	842.4
120°	*1168.0*	1166.1	1121.9	1058.6	1005.5	975.5	953.7	933.9	901.9	846.2	805.3
122.5°	*1093.1*	1089.3	1047.1	990.2	946.0	917.9	900.6	883.3	855.8	804.0	765.7
125°	*1013.8*	1009.4	976.1	929.4	887.2	860.3	843.7	830.3	805.3	758.6	722.8
127.5°	*940.3*	935.8	905.7	861.0	827.7	803.4	788.0	775.9	750.9	710.6	679.3
130°	*867.4*	859.7	833.5	797.6	764.4	747.7	732.4	723.4	697.8	660.1	632.6
132.5°	*789.3*	785.5	766.9	733.7	706.8	689.5	676.1	664.6	644.8	610.2	585.3
135°	*720.2*	716.4	699.1	671.0	652.4	636.4	624.3	612.1	591.7	558.4	537.3
137.5°	*654.4*	651.2	635.8	616.6	592.9	583.4	575.0	560.3	542.4	512.4	493.2
140°	*585.3*	586.6	574.4	557.1	542.4	530.9	522.6	510.4	492.5	466.9	447.7
142.5°	*528.3*	530.3	515.6	503.4	490.0	481.0	472.7	462.5	445.2	422.2	407.5
145°	*474.6*	470.1	464.4	452.9	440.1	434.3	426.0	417.0	403.6	380.6	368.4
147.5°	*420.2*	419.0	413.2	405.5	395.3	386.3	379.9	374.8	361.4	342.2	331.3
150°	*371.0*	369.7	366.5	360.8	351.8	346.0	340.9	333.9	321.1	306.4	296.8
152.5°	*327.5*	327.5	325.6	317.9	314.1	307.7	301.3	297.4	284.6	272.5	264.2
155°	*289.8*	289.8	287.2	283.4	276.3	272.5	268.6	262.9	253.9	244.3	236.7
157.5°	*257.1*	257.8	254.6	251.4	246.3	243.1	239.2	233.5	227.7	218.8	213.0
160°	*228.4*	229.0	227.7	225.2	220.0	216.8	213.6	209.2	204.0	197.0	191.9
162.5°	*205.3*	204.7	203.4	200.8	197.6	195.7	191.9	188.7	184.2	179.1	174.6
165°	*187.4*	185.5	184.9	182.9	179.7	177.8	174.6	172.1	168.9	163.7	161.8
167.5°	*171.4*	171.4	170.1	168.9	166.3	163.7	161.2	159.3	156.7	153.5	151.0
170°	*158.6*	158.6	157.4	156.1	153.5	152.2	150.3	148.4	146.5	143.9	142.6
172.5°	*148.4*	148.4	147.8	145.8	144.6	142.6	142.0	140.1	138.2	136.9	135.6
175°	*140.7*	140.7	139.4	138.2	136.9	135.6	134.3	133.7	133.0	131.8	131.1
177.5°	*135.0*	134.3	133.7	132.4	131.1	130.5	129.8	129.2	129.2	128.6	127.9
180°	*127.3*	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	65.2	59.5	53.1	47.3	44.1	39.7	37.1	35.8	37.1	35.2
5°	77.4	67.2	56.9	49.3	40.9	34.5	28.8	23.0	19.2	18.5
7.5°	103.0	91.5	77.4	64.6	53.1	42.9	33.9	26.9	21.7	21.1
10°	136.2	119.0	101.1	83.2	66.5	53.1	42.2	34.5	32.0	31.3
12.5°	177.8	152.9	127.9	104.3	83.8	65.9	53.7	45.4	41.6	40.9
15°	221.3	190.0	158.0	127.3	99.8	78.0	62.7	53.7	49.3	48.6
17.5°	268.0	227.1	183.6	147.8	115.1	88.9	69.7	57.6	52.5	51.2
20°	315.3	264.2	214.3	167.6	127.9	95.9	73.6	59.5	53.1	51.8
22.5°	368.4	307.0	245.0	186.8	139.4	103.0	76.8	60.8	53.7	52.5
25°	428.6	350.5	277.0	209.2	152.2	109.4	80.0	62.7	54.4	53.1
27.5°	490.0	399.1	309.6	229.0	163.1	113.9	82.5	63.3	55.0	53.7
30°	552.0	447.7	342.8	248.2	172.7	119.0	83.8	64.0	55.0	54.4
32.5°	616.6	493.2	374.8	266.1	181.0	122.2	85.1	64.6	55.6	54.4
35°	674.8	541.1	404.9	283.4	188.7	124.7	85.7	64.6	55.6	54.4
37.5°	730.5	582.1	432.4	297.4	194.5	126.6	86.4	64.6	55.6	54.4
40°	788.7	625.6	457.3	310.2	198.9	127.9	86.4	64.6	55.6	55.0
42.5°	836.0	662.0	478.5	319.2	202.1	127.9	86.4	64.6	56.3	55.0
45°	878.9	692.1	498.9	327.5	204.0	127.9	85.7	65.2	56.3	55.6
47.5°	916.0	722.2	514.3	333.3	204.7	127.9	85.7	65.2	56.9	56.3
50°	950.5	746.5	527.7	337.7	205.3	127.3	85.7	65.9	57.6	56.3
52.5°	979.9	766.3	538.6	340.3	204.0	126.0	85.7	66.5	58.8	57.6
55°	1004.9	784.8	546.3	341.6	202.8	125.4	85.7	67.2	59.5	58.8
57.5°	1025.3	799.6	553.3	342.2	201.5	124.7	86.4	68.4	61.4	60.8
60°	1043.9	811.7	558.4	342.2	200.2	124.1	87.0	69.7	62.7	62.0
62.5°	1058.6	821.3	562.2	341.6	199.6	124.1	88.3	71.6	64.6	64.0
65°	1068.8	828.3	564.2	340.3	198.3	124.7	89.5	73.6	67.2	66.5
67.5°	1078.4	834.7	565.4	339.6	197.6	125.4	91.5	76.1	69.7	69.1
70°	1084.2	838.6	566.1	339.0	197.0	126.6	93.4	78.7	72.9	72.3
72.5°	1086.8	841.1	566.7	337.7	197.6	127.9	95.9	81.2	76.1	75.5
73°	*1087.4*	*841.1*	*566.1*	*337.7*	*197.6*	*128.6*	*96.6*	*82.5*	*76.8*	*76.1*
75°	1088.7	841.1	565.4	337.1	198.3	129.8	98.5	85.1	79.3	79.3
77.5°	1086.8	839.8	564.2	336.5	198.9	132.4	101.7	88.3	83.2	82.5
80°	1082.9	836.7	562.2	336.5	200.2	135.0	105.5	92.1	87.0	86.4
82.5°	1074.6	830.9	559.7	335.8	202.1	138.2	109.4	95.9	91.5	90.8
85°	1066.3	823.9	555.8	335.8	204.7	142.0	113.2	100.4	95.9	95.3
87.5°	1053.5	815.5	552.0	335.2	207.2	145.2	117.1	104.9	99.8	99.8
90°	1038.8	806.6	548.2	335.8	209.8	149.7	122.2	110.0	104.9	104.3
92.5°	1024.1	796.4	543.7	337.1	214.3	154.2	127.3	115.1	110.0	108.7
95°	1004.2	782.3	538.6	337.7	218.1	159.3	132.4	120.3	115.1	115.1
97.5°	983.8	769.5	532.8	339.6	223.2	165.7	139.4	126.6	121.5	121.5
100°	962.0	756.1	529.0	341.6	228.4	172.7	145.8	133.0	127.9	127.9
102.5°	939.0	741.3	525.1	345.4	236.0	179.7	153.5	140.7	135.0	135.0
105°	915.3	727.3	521.3	349.9	243.7	188.7	161.8	149.0	143.3	143.3
107.5°	892.3	713.8	518.1	355.6	252.0	197.6	170.1	157.4	151.6	150.3

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

Scaled Data Report

REPORT NUMBER: P1224015
CATALOG NUMBER: FFX-CLB-80-722-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	868.0	699.8	515.6	361.4	261.6	207.9	180.4	165.7	159.3	159.3
112.5°	841.8	685.1	513.6	367.2	271.8	218.1	189.3	174.6	168.2	166.9
115°	814.3	670.3	509.8	373.6	280.8	228.4	198.9	182.3	175.3	174.6
117.5°	787.4	653.1	505.3	378.0	289.1	236.7	206.6	190.0	182.3	181.7
120°	756.1	633.9	497.6	379.3	295.5	243.1	213.0	195.1	187.4	186.1
122.5°	721.5	608.9	486.8	378.0	298.7	247.5	216.8	198.9	190.0	189.3
125°	682.5	581.4	472.7	373.6	299.4	249.5	218.1	199.6	191.3	190.0
127.5°	641.6	553.9	454.1	364.6	295.5	248.2	216.8	198.3	189.3	188.7
130°	599.3	521.3	432.4	353.1	289.1	243.7	213.6	195.1	186.1	185.5
132.5°	557.1	486.8	408.7	337.7	280.2	236.7	207.9	190.0	181.7	180.4
135°	511.7	452.9	384.4	321.7	268.0	229.0	200.8	183.6	175.3	174.6
137.5°	470.1	417.7	359.5	303.8	256.5	218.8	193.2	177.2	170.1	168.9
140°	429.2	383.8	332.6	284.6	241.8	208.5	184.2	170.1	163.1	162.5
142.5°	391.5	352.4	308.9	266.1	228.4	198.3	176.5	163.1	157.4	156.1
145°	352.4	319.8	284.0	246.9	213.6	187.4	168.2	156.1	151.0	149.7
147.5°	318.5	289.8	259.1	227.7	200.2	176.5	159.9	149.7	145.2	144.6
150°	286.6	262.3	235.4	209.8	185.5	166.3	152.2	143.3	139.4	138.8
152.5°	257.8	236.7	214.9	193.2	172.7	157.4	145.2	137.5	134.3	134.3
155°	230.9	213.6	196.4	178.5	162.5	149.7	140.1	133.7	131.1	130.5
157.5°	207.9	194.5	180.4	165.7	153.5	142.6	135.0	130.5	127.9	127.9
160°	188.1	177.8	166.3	155.4	145.8	136.9	131.1	127.3	125.4	125.4
162.5°	172.1	163.7	154.8	146.5	138.2	132.4	127.9	125.4	124.1	124.1
165°	158.6	152.9	146.5	139.4	133.7	129.2	126.0	124.1	123.5	123.5
167.5°	149.0	143.9	138.8	134.3	130.5	126.6	124.7	123.5	123.5	122.8
170°	140.7	137.5	133.0	129.8	126.6	124.7	123.5	122.8	122.8	122.2
172.5°	134.3	131.8	129.2	126.6	124.7	123.5	122.8	122.8	122.8	122.8
175°	130.5	128.6	126.6	125.4	124.1	122.8	122.8	123.5	123.5	123.5
177.5°	127.3	126.6	125.4	124.7	124.1	124.1	124.1	124.7	125.4	125.4
180°	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3

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

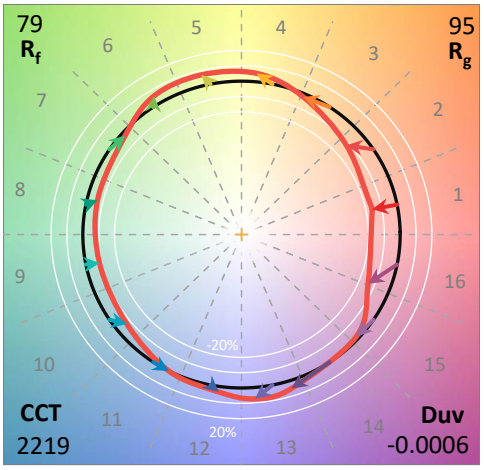
Test Information

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

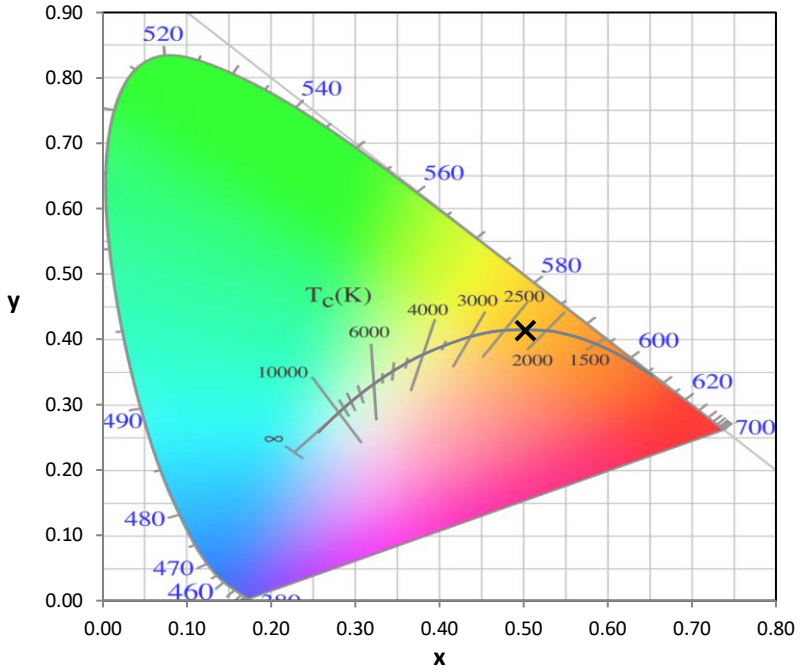
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

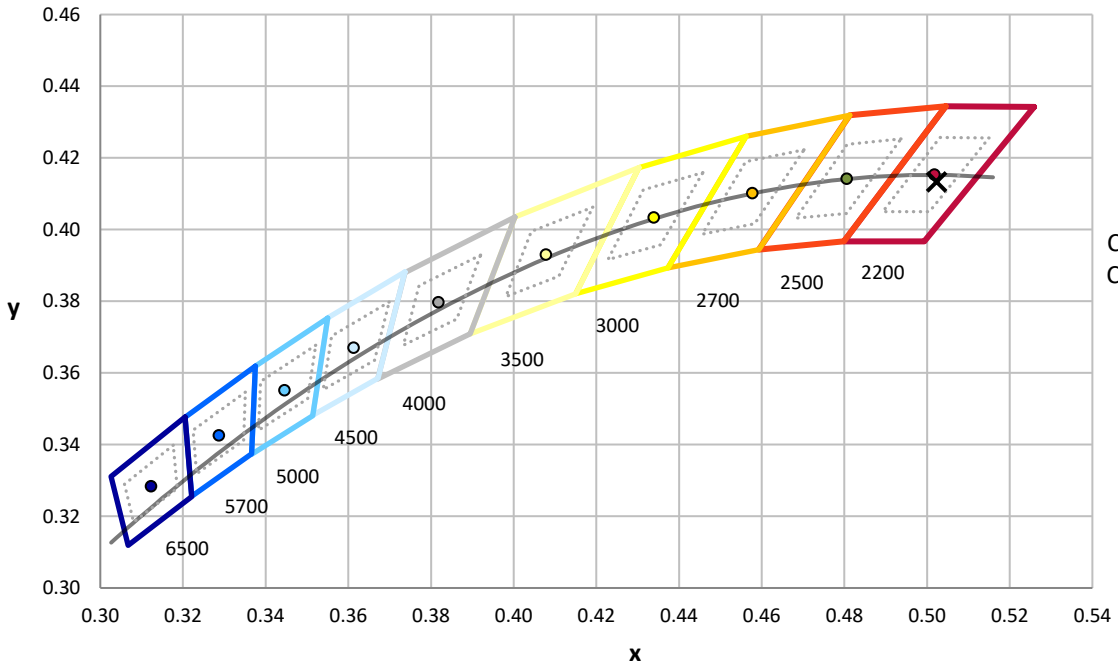
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

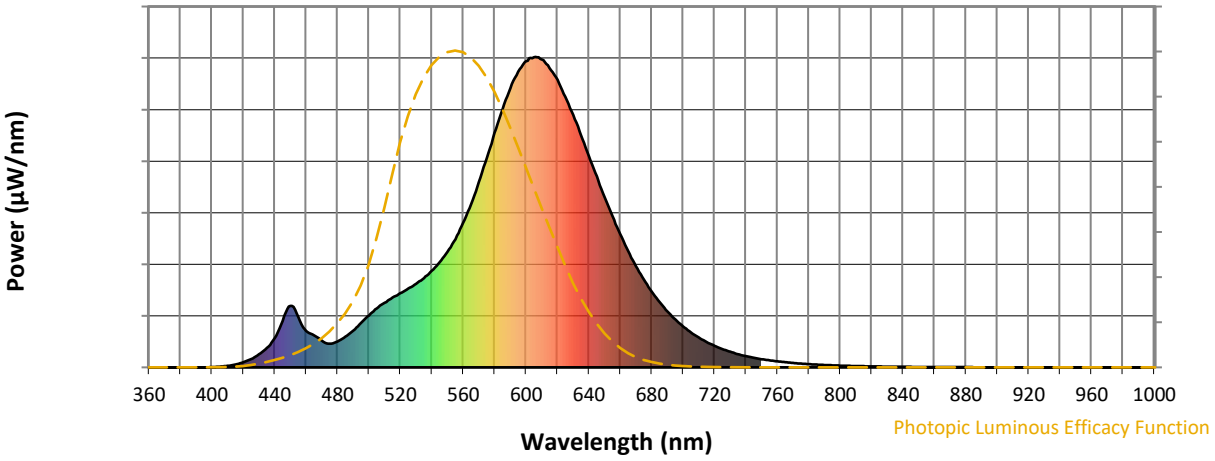


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

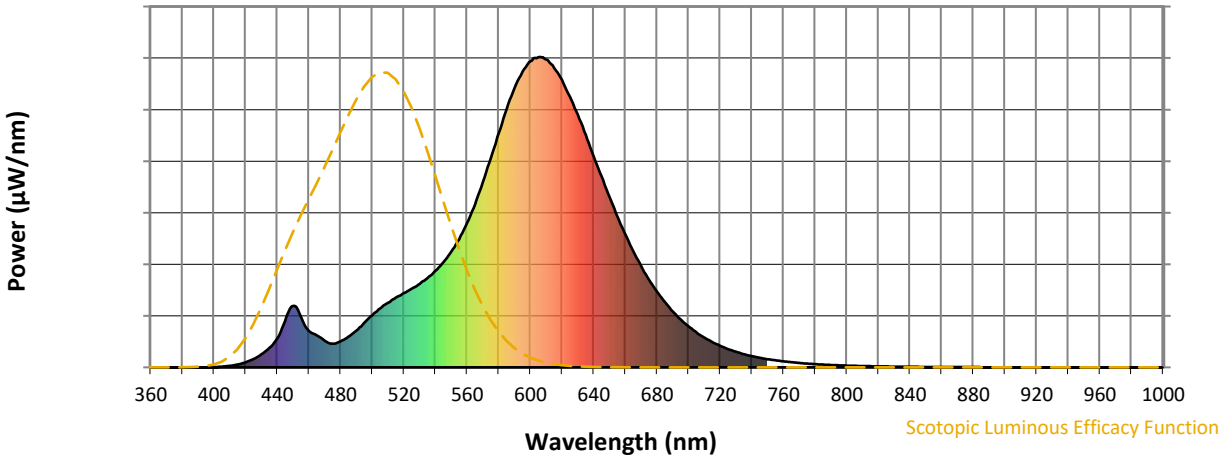


Photopic Lumens: NR

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

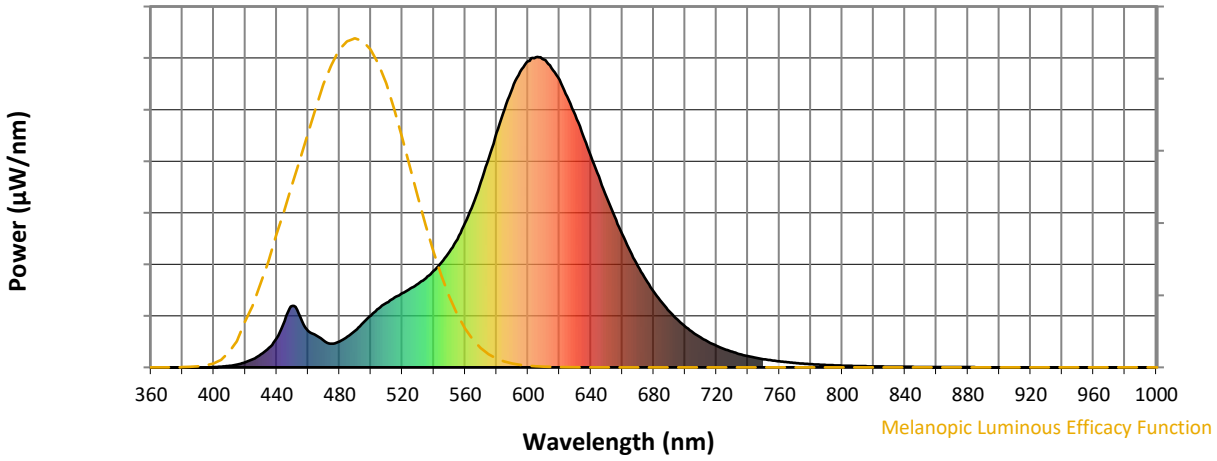


Scotopic Lumens: NR **S/P: 0.94**

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			

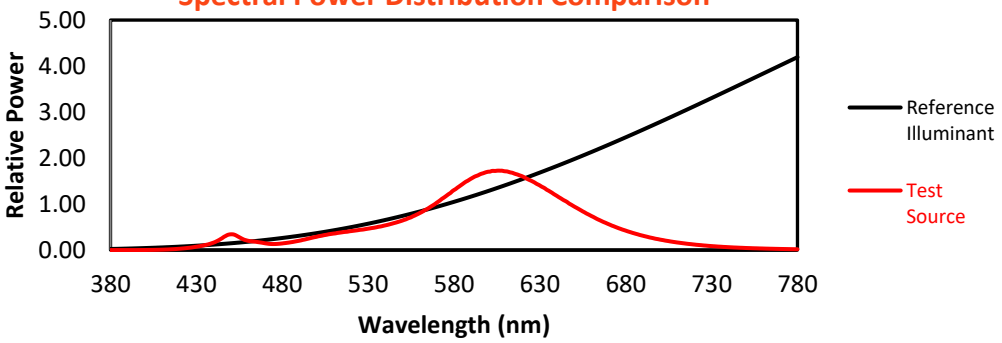
REPORT NUMBER: SP1-2501-332-2

TM-30-18

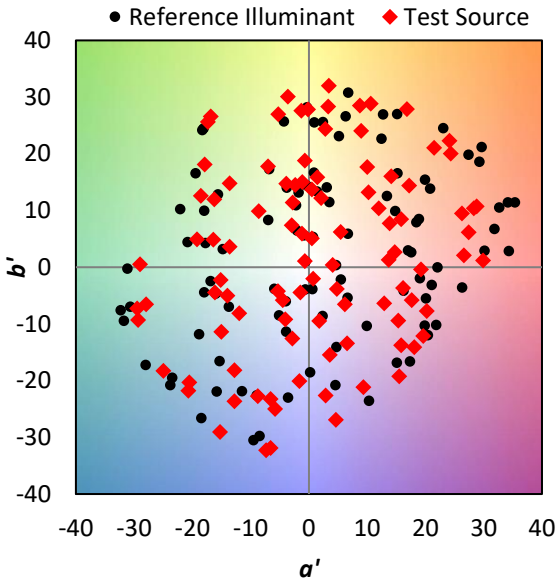
Summary

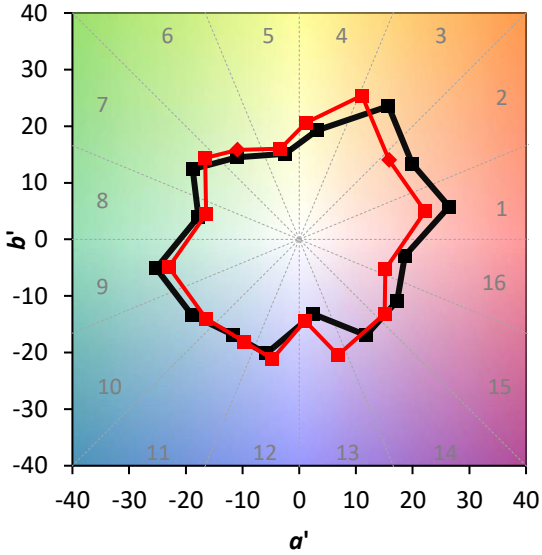
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

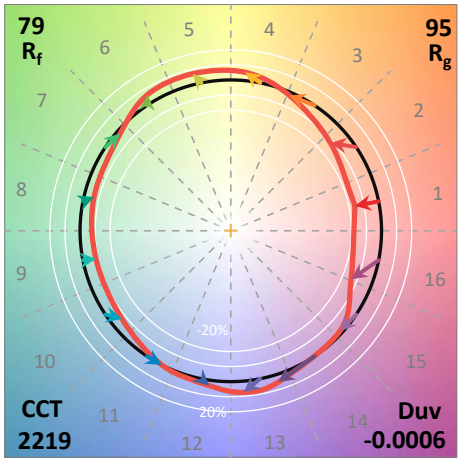
Spectral Power Distribution Comparison

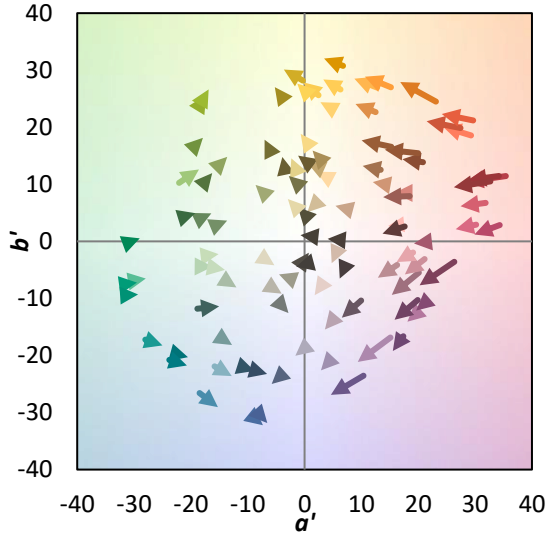


Color Vector Graphics







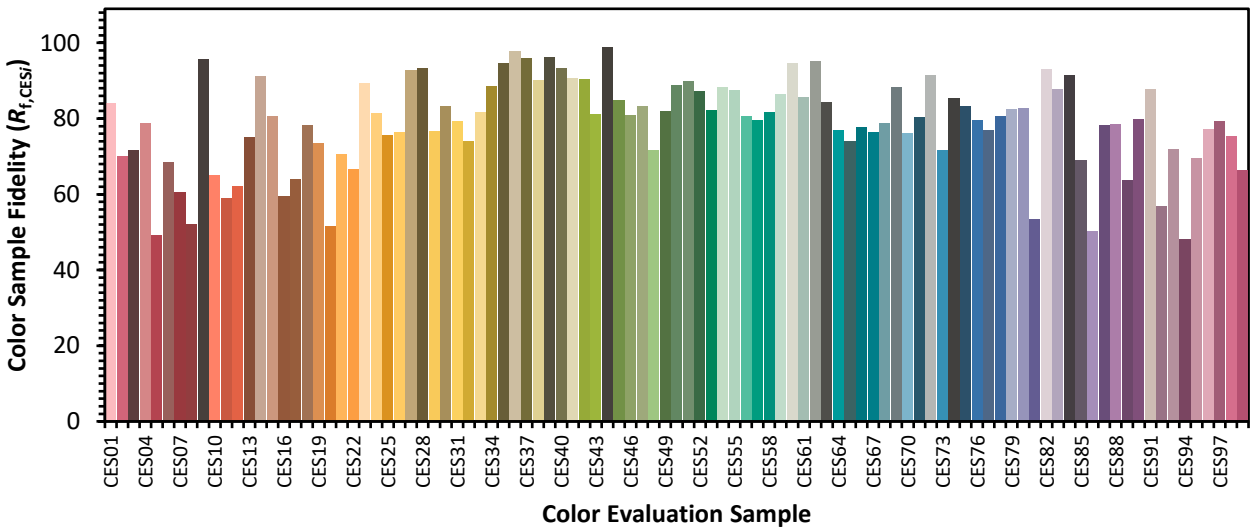


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

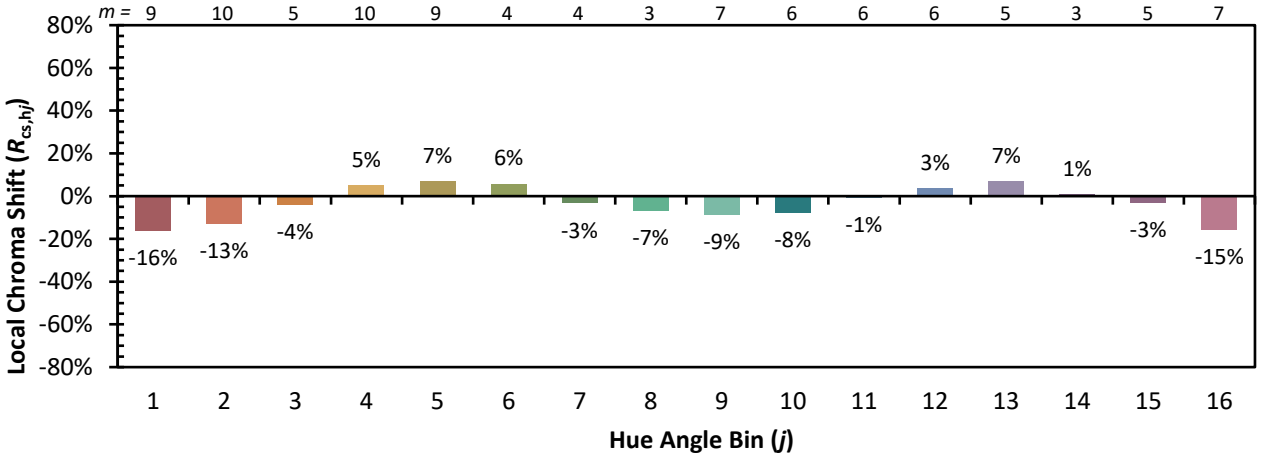
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57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

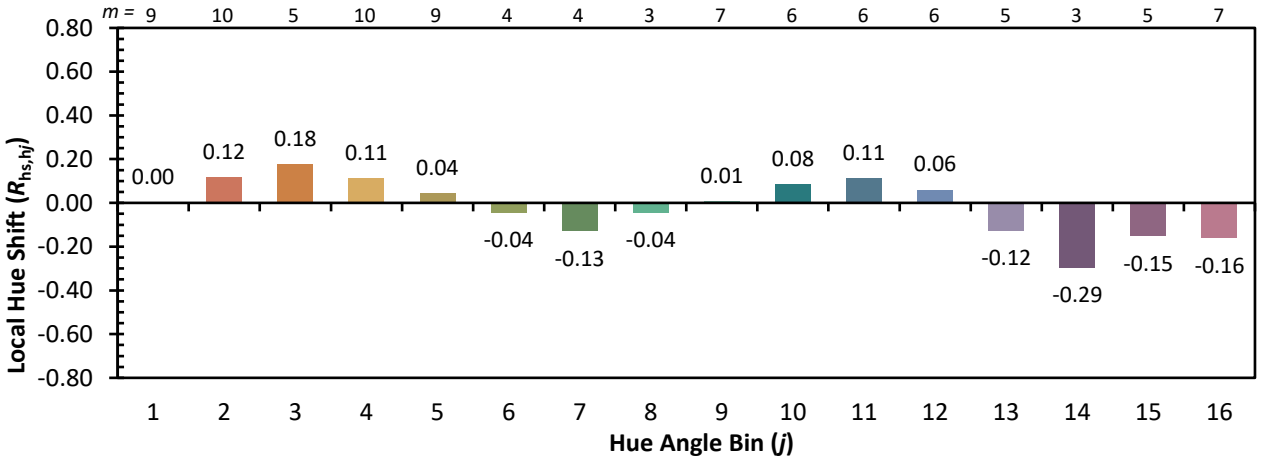


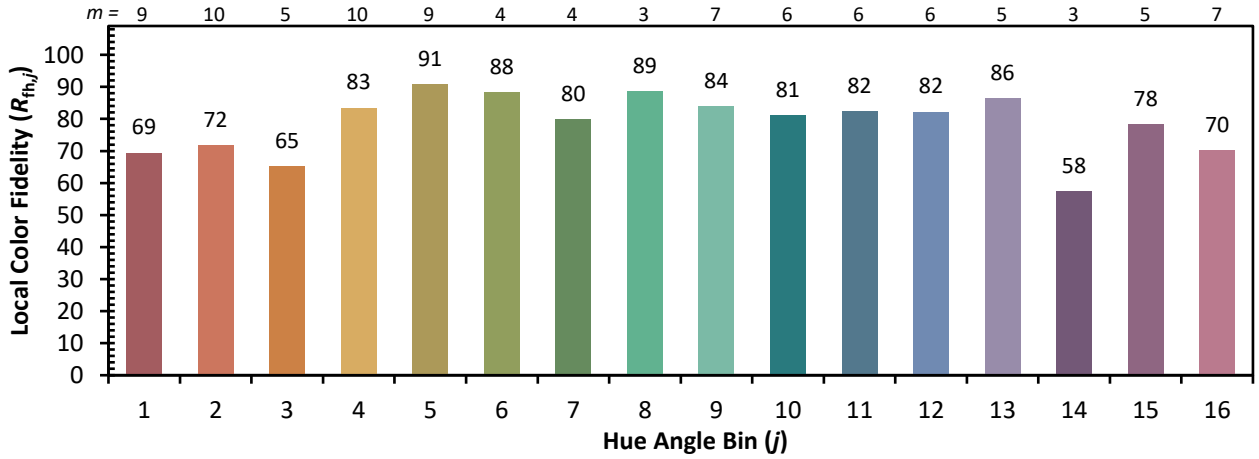
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Color Rendition by Hue-Angle Bin



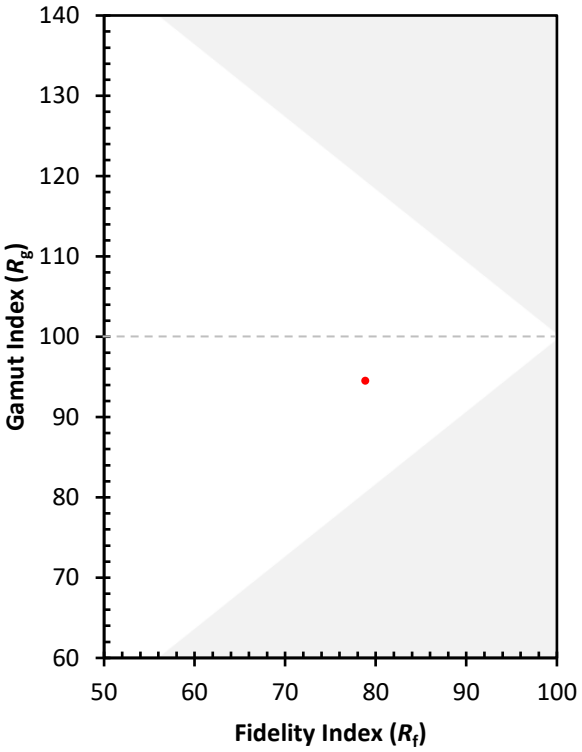


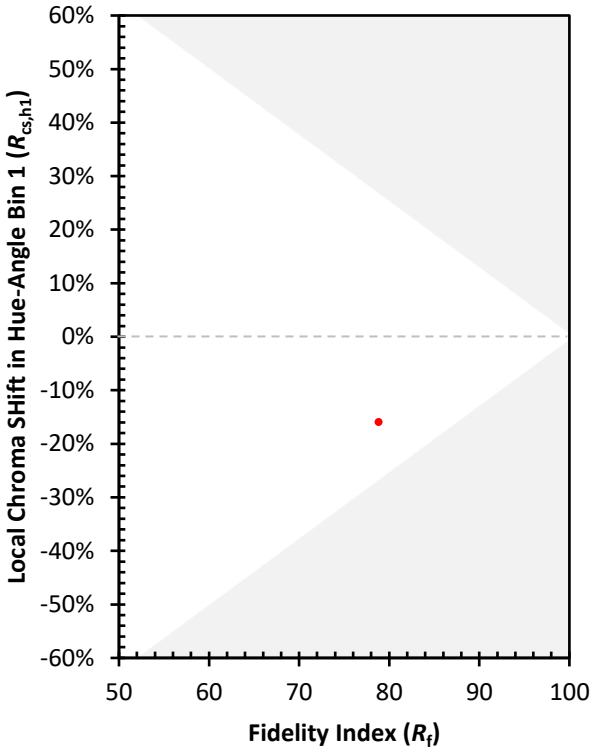


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Measure Comparisons





(END OF REPORT)