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: P1224025

Luminaire Tested: **FFX-CLB-70-727-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:	P1224025
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9258.1 lumens
Efficiency:	N/A
Efficacy:	130.0 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

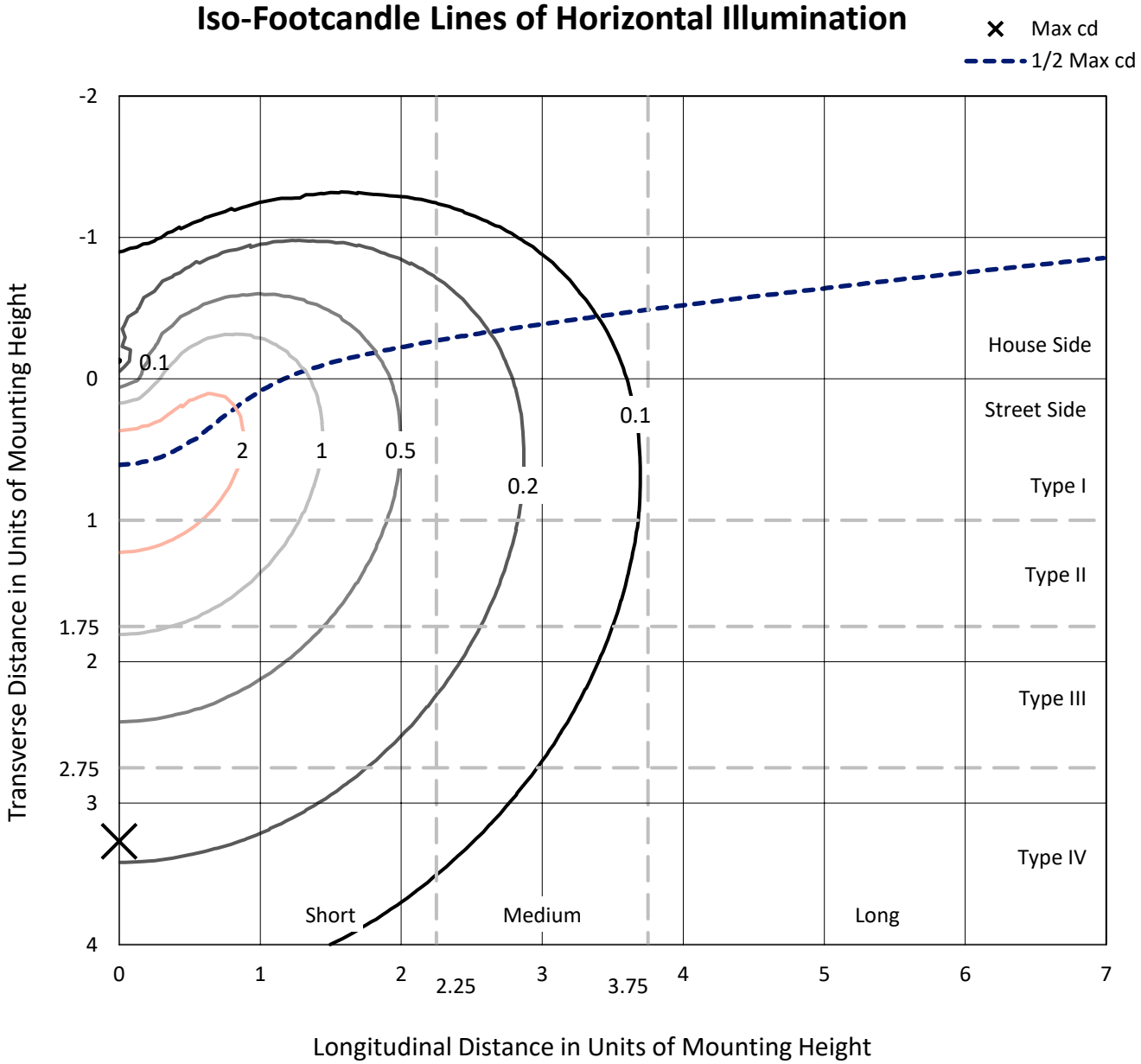


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Iso-Footcandle Lines of Horizontal Illumination



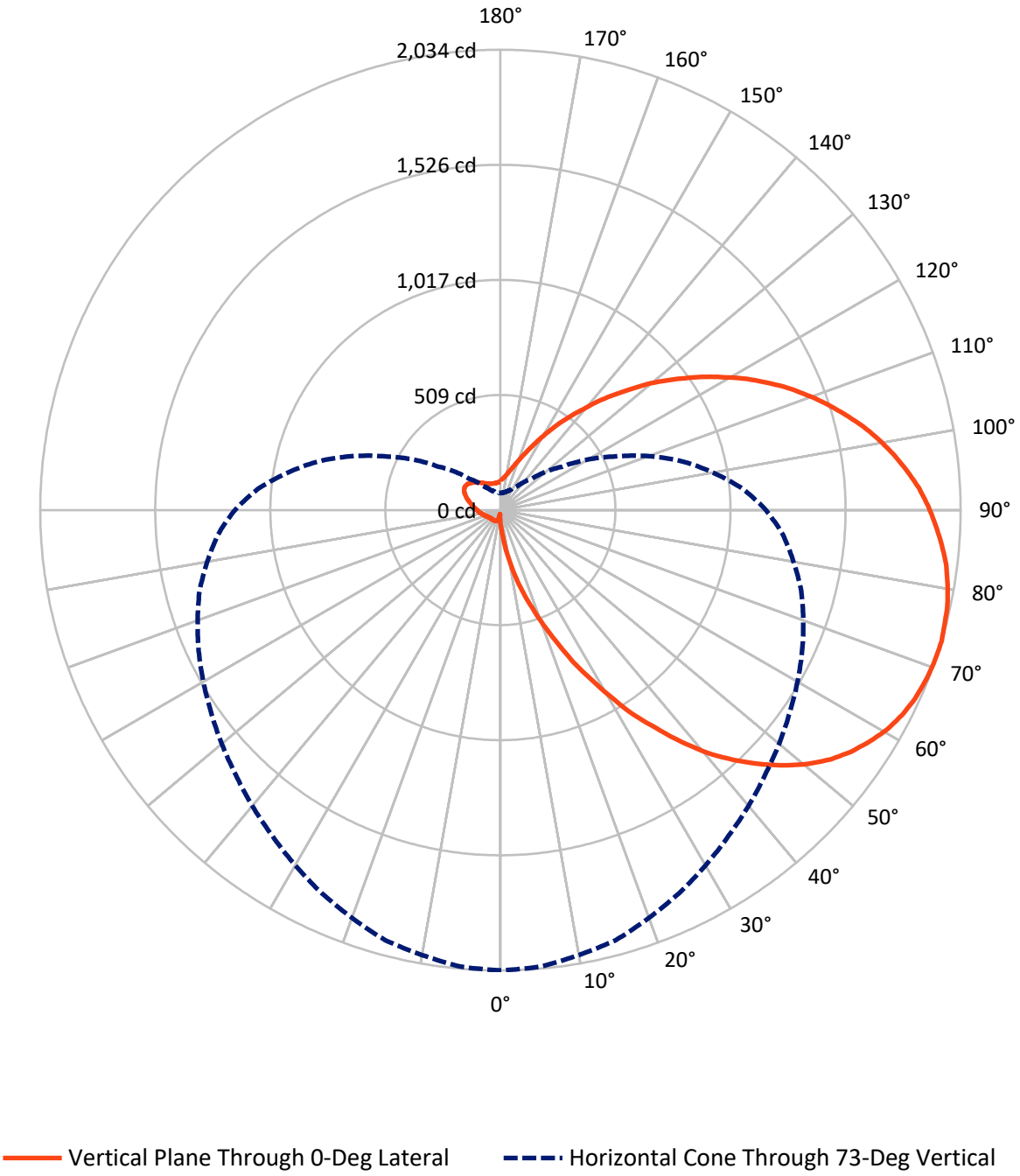
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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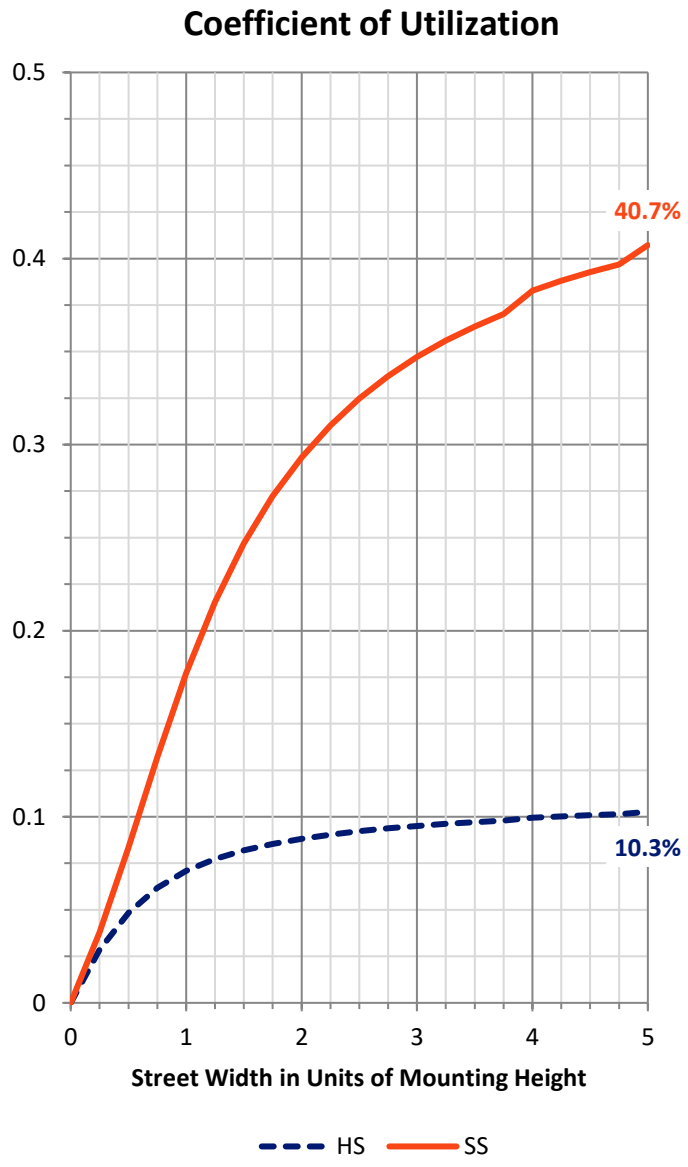
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.5	1007.6	2033.1
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	4323.6	2901.5	7225.0
	% Fixture	46.7	31.3	78.0
Total	Lumens	5349.0	3909.1	9258.1
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	65.6	0.7
20°-30°	198.2	2.1
30°-40°	412.8	4.5
40°-50°	654.3	7.1
50°-60°	859.5	9.3
60°-70°	1001.5	10.8
70°-80°	1073.4	11.6
80°-90°	1074.2	11.6
90°-100°	1007.3	10.9
100°-110°	886.1	9.6
110°-120°	731.8	7.9
120°-130°	550.8	5.9
130°-140°	363.5	3.9
140°-150°	208.4	2.3
150°-160°	103.4	1.1
160°-170°	45.1	0.5
170°-180°	12.6	0.1
0°-90°	5349.0	57.8
0°-180°	9258.1	100.0



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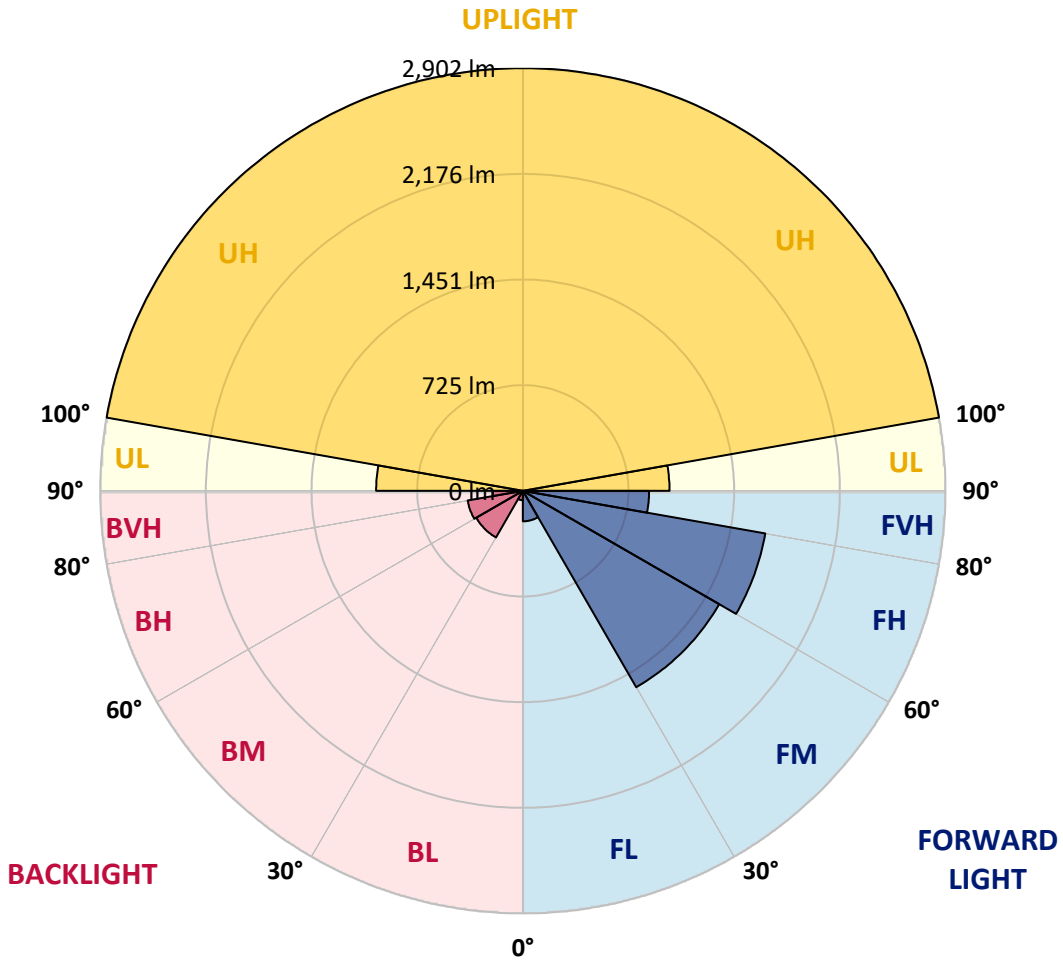
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	209.3	2.3			
FM	(30°-60°)	1557.2	16.8			
FH	(60°-80°)	1690.2	18.3			G1/1800
FVH	(80°-90°)	866.9	9.4			G5
BL	(0°-30°)	64.0	0.7	B0/110		
BM	(30°-60°)	369.5	4.0	B1/1000		
BH	(60°-80°)	384.6	4.2	B1/500		G1/500
BVH	(80°-90°)	207.4	2.2			G2/225
UL	(90°-100°)	1007.3	10.9		U5	
UH	(100°-180°)	2901.8	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°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2.5°	83.5	84.2	83.5	84.8	81.6	81.6	79.1	76.6	73.4	69.6	67.1
5°	124.0	123.4	123.4	124.0	122.1	116.4	110.1	101.2	93.6	85.4	81.0
7.5°	178.4	175.9	173.4	172.7	166.4	158.2	149.3	139.2	128.5	117.1	108.8
10°	235.4	237.3	234.8	227.8	220.2	210.7	199.3	185.4	171.5	155.7	146.2
12.5°	308.8	303.7	297.4	290.4	282.8	274.0	255.6	239.8	220.2	200.6	187.9
15°	380.3	375.9	375.9	367.0	355.0	341.7	324.6	305.0	277.8	246.8	235.4
17.5°	453.7	454.3	448.0	437.9	427.1	410.0	391.7	363.8	336.0	303.7	284.1
20°	539.7	537.2	532.8	525.2	506.2	491.0	468.2	437.2	399.3	360.0	336.0
22.5°	629.0	630.2	630.2	618.2	600.5	579.6	553.7	518.2	473.3	422.7	393.6
25°	740.3	739.7	727.7	713.8	699.8	678.3	645.4	602.4	553.0	492.3	458.1
27.5°	841.6	840.9	838.4	825.8	804.9	777.0	738.4	691.6	635.3	562.5	522.0
30°	954.2	956.7	949.8	939.0	911.8	883.3	838.4	783.4	716.9	638.5	592.9
32.5°	1076.3	1071.3	1065.6	1051.6	1021.9	982.0	931.4	874.5	801.7	711.9	661.9
35°	1182.0	1191.5	1182.6	1161.1	1124.4	1082.0	1026.3	962.4	883.3	787.2	730.2
37.5°	1301.0	1299.1	1285.8	1264.9	1229.5	1175.7	1116.8	1042.8	954.2	854.2	791.0
40°	1411.7	1404.1	1396.5	1365.5	1320.6	1266.8	1194.0	1118.7	1027.6	915.0	851.1
42.5°	1509.8	1509.1	1488.9	1457.9	1401.6	1342.1	1266.8	1182.6	1087.7	971.3	899.2
45°	1600.3	1598.4	1578.7	1532.5	1479.4	1407.9	1329.4	1242.1	1142.1	1019.4	950.4
47.5°	1685.7	1680.6	1653.4	1606.6	1539.5	1464.2	1383.2	1291.5	1188.3	1062.4	990.3
50°	1763.5	1759.1	1727.4	1668.0	1596.5	1516.1	1427.5	1332.6	1232.0	1105.4	1027.6
52.5°	1829.9	1822.4	1785.7	1721.7	1640.1	1555.3	1462.9	1368.0	1266.2	1135.8	1060.5
55°	1883.1	1874.9	1835.6	1764.1	1678.7	1587.0	1493.3	1399.0	1292.7	1163.0	1085.8
57.5°	1927.4	1921.1	1878.0	1799.6	1708.5	1614.2	1519.3	1423.1	1317.4	1188.3	1108.0
60°	1966.0	1958.4	1909.7	1828.7	1732.5	1635.1	1538.2	1442.1	1338.3	1207.9	1128.2
62.5°	1993.2	1987.5	1936.2	1849.6	1749.6	1650.9	1550.9	1457.9	1354.1	1225.7	1143.4
65°	2012.8	2005.9	1954.0	1862.2	1760.3	1658.5	1560.4	1464.8	1364.2	1236.4	1154.8
67.5°	2024.2	2019.1	1964.7	1871.1	1764.8	1662.3	1564.8	1471.8	1372.5	1245.3	1163.6
70°	2031.8	2024.2	1969.2	1873.0	1763.5	1661.6	1564.8	1472.4	1376.9	1251.6	1168.7
72.5°	2033.7	2025.5	1968.5	1869.8	1759.7	1655.3	1561.7	1473.1	1378.2	1254.8	1173.8
73°	2034.3	2025.5	1967.9	1868.5	1757.8	1654.7	1561.0	1471.8	1376.9	1254.1	1173.8
75°	2027.4	2021.7	1962.8	1861.0	1751.5	1648.3	1556.6	1468.6	1376.9	1254.8	1173.1
77.5°	2020.4	2011.5	1950.2	1850.2	1736.9	1637.0	1547.1	1462.3	1372.5	1253.5	1172.5
80°	2004.0	1995.1	1933.7	1829.9	1718.6	1620.5	1533.8	1452.2	1364.2	1246.5	1167.4
82.5°	1985.0	1974.8	1910.9	1806.5	1696.4	1599.6	1516.7	1438.9	1353.5	1238.3	1159.9
85°	1957.1	1949.5	1884.4	1778.1	1671.1	1578.1	1497.1	1423.1	1339.6	1225.7	1148.5
87.5°	1924.9	1918.5	1850.8	1745.8	1638.9	1550.3	1474.3	1402.2	1323.7	1211.7	1135.8
90°	1891.3	1883.7	1816.0	1709.1	1607.2	1519.9	1447.8	1380.1	1304.1	1194.7	1119.4
92.5°	1852.7	1843.9	1775.5	1671.8	1572.4	1488.9	1421.8	1355.4	1282.0	1175.0	1102.3
95°	1805.9	1797.7	1730.0	1626.2	1528.8	1452.8	1387.6	1326.3	1256.0	1151.6	1081.4
97.5°	1755.9	1748.3	1680.0	1580.6	1486.4	1411.7	1350.9	1295.3	1228.2	1128.8	1058.0
100°	1702.1	1692.0	1624.3	1528.8	1435.7	1368.0	1313.6	1263.6	1197.8	1100.4	1032.7
102.5°	1645.2	1635.7	1571.1	1477.5	1390.2	1324.4	1275.0	1226.3	1166.2	1074.4	1008.0
105°	1580.6	1575.6	1510.4	1419.9	1338.3	1277.5	1231.4	1189.0	1132.0	1042.8	982.0
107.5°	1516.7	1506.6	1445.9	1359.2	1282.6	1227.6	1187.7	1148.5	1096.6	1011.2	953.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1449.0*	1438.9	1384.5	1301.6	1230.7	1178.2	1141.5	1106.7	1059.9	980.1	925.7
112.5°	*1380.7*	1369.3	1315.5	1239.6	1170.6	1127.6	1094.0	1064.9	1022.5	949.1	895.4
115°	*1306.7*	1302.2	1249.7	1176.9	1116.2	1075.7	1046.6	1020.0	980.1	915.6	866.3
117.5°	*1233.9*	1225.7	1180.1	1113.0	1056.7	1018.7	996.6	973.2	937.1	876.4	833.3
120°	*1155.4*	1153.5	1109.9	1047.2	994.7	965.0	943.4	923.8	892.2	837.1	796.6
122.5°	*1081.4*	1077.6	1035.8	979.5	935.9	908.0	890.9	873.8	846.6	795.4	757.4
125°	*1002.9*	998.5	965.6	919.4	877.6	851.1	834.6	821.3	796.6	750.5	715.0
127.5°	*930.2*	925.7	896.0	851.7	818.8	794.7	779.6	767.5	742.9	703.0	672.0
130°	*858.0*	850.4	824.5	789.1	756.1	739.7	724.5	715.7	690.3	653.0	625.8
132.5°	*780.8*	777.0	758.7	725.8	699.2	682.1	668.8	657.4	637.8	603.7	579.0
135°	*712.5*	708.7	691.6	663.8	645.4	629.6	617.6	605.6	585.3	552.4	531.5
137.5°	*647.3*	644.2	629.0	610.0	586.6	577.1	568.9	554.3	536.6	506.8	487.9
140°	*579.0*	580.2	568.2	551.1	536.6	525.2	517.0	504.9	487.2	461.9	442.9
142.5°	*522.7*	524.6	510.0	498.0	484.7	475.8	467.6	457.5	440.4	417.6	403.1
145°	*469.5*	465.1	459.4	448.0	435.3	429.6	421.4	412.6	399.3	376.5	364.5
147.5°	*415.7*	414.5	408.8	401.2	391.0	382.2	375.9	370.8	357.5	338.5	327.8
150°	*367.0*	365.7	362.6	356.9	348.0	342.3	337.3	330.3	317.6	303.1	293.6
152.5°	*324.0*	324.0	322.1	314.5	310.7	304.4	298.0	294.2	281.6	269.6	261.3
155°	*286.6*	286.6	284.1	280.3	273.4	269.6	265.8	260.1	251.2	241.7	234.1
157.5°	*254.4*	255.0	251.8	248.7	243.6	240.4	236.7	231.0	225.3	216.4	210.7
160°	*225.9*	226.5	225.3	222.7	217.7	214.5	211.3	206.9	201.9	194.9	189.8
162.5°	*203.1*	202.5	201.2	198.7	195.5	193.6	189.8	186.7	182.2	177.2	172.7
165°	*185.4*	183.5	182.9	181.0	177.8	175.9	172.7	170.2	167.0	162.0	160.1
167.5°	*169.6*	169.6	168.3	167.0	164.5	162.0	159.5	157.6	155.0	151.9	149.3
170°	*156.9*	156.9	155.7	154.4	151.9	150.6	148.7	146.8	144.9	142.4	141.1
172.5°	*146.8*	146.8	146.2	144.3	143.0	141.1	140.5	138.6	136.7	135.4	134.1
175°	*139.2*	139.2	137.9	136.7	135.4	134.1	132.9	132.2	131.6	130.3	129.7
177.5°	*133.5*	132.9	132.2	131.0	129.7	129.1	128.5	127.8	127.8	127.2	126.6
180°	*125.9*	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2.5°	64.5	58.8	52.5	46.8	43.7	39.2	36.7	35.4	36.7	34.8
5°	76.6	66.4	56.3	48.7	40.5	34.2	28.5	22.8	19.0	18.4
7.5°	101.9	90.5	76.6	63.9	52.5	42.4	33.5	26.6	21.5	20.9
10°	134.8	117.7	100.0	82.3	65.8	52.5	41.8	34.2	31.6	31.0
12.5°	175.9	151.2	126.6	103.1	82.9	65.2	53.2	44.9	41.1	40.5
15°	218.9	187.9	156.3	125.9	98.7	77.2	62.0	53.2	48.7	48.1
17.5°	265.1	224.6	181.6	146.2	113.9	88.0	69.0	56.9	51.9	50.6
20°	312.0	261.3	212.0	165.8	126.6	94.9	72.8	58.8	52.5	51.3
22.5°	364.5	303.7	242.3	184.8	137.9	101.9	75.9	60.1	53.2	51.9
25°	424.0	346.8	274.0	206.9	150.6	108.2	79.1	62.0	53.8	52.5
27.5°	484.7	394.8	306.3	226.5	161.4	112.6	81.6	62.6	54.4	53.2
30°	546.1	442.9	339.2	245.5	170.8	117.7	82.9	63.3	54.4	53.8
32.5°	610.0	487.9	370.8	263.2	179.1	120.9	84.2	63.9	55.1	53.8
35°	667.6	535.3	400.5	280.3	186.7	123.4	84.8	63.9	55.1	53.8
37.5°	722.6	575.8	427.7	294.2	192.4	125.3	85.4	63.9	55.1	53.8
40°	780.2	618.8	452.4	306.9	196.8	126.6	85.4	63.9	55.1	54.4
42.5°	827.0	654.9	473.3	315.7	200.0	126.6	85.4	63.9	55.7	54.4
45°	869.4	684.6	493.6	324.0	201.9	126.6	84.8	64.5	55.7	55.1
47.5°	906.1	714.4	508.7	329.7	202.5	126.6	84.8	64.5	56.3	55.7
50°	940.3	738.4	522.0	334.1	203.1	125.9	84.8	65.2	56.9	55.7
52.5°	969.4	758.0	532.8	336.6	201.9	124.7	84.8	65.8	58.2	56.9
55°	994.1	776.4	540.4	337.9	200.6	124.0	84.8	66.4	58.8	58.2
57.5°	1014.3	791.0	547.3	338.5	199.3	123.4	85.4	67.7	60.7	60.1
60°	1032.7	803.0	552.4	338.5	198.1	122.8	86.1	69.0	62.0	61.4
62.5°	1047.2	812.5	556.2	337.9	197.4	122.8	87.3	70.9	63.9	63.3
65°	1057.3	819.4	558.1	336.6	196.2	123.4	88.6	72.8	66.4	65.8
67.5°	1066.8	825.8	559.4	336.0	195.5	124.0	90.5	75.3	69.0	68.3
70°	1072.5	829.6	560.0	335.4	194.9	125.3	92.4	77.8	72.1	71.5
72.5°	1075.1	832.1	560.6	334.1	195.5	126.6	94.9	80.4	75.3	74.7
73°	*1075.7*	*832.1*	*560.0*	*334.1*	*195.5*	*127.2*	*95.5*	*81.6*	*75.9*	*75.3*
75°	1077.0	832.1	559.4	333.5	196.2	128.5	97.4	84.2	78.5	78.5
77.5°	1075.1	830.8	558.1	332.8	196.8	131.0	100.6	87.3	82.3	81.6
80°	1071.3	827.7	556.2	332.8	198.1	133.5	104.4	91.1	86.1	85.4
82.5°	1063.0	822.0	553.7	332.2	200.0	136.7	108.2	94.9	90.5	89.9
85°	1054.8	815.0	549.9	332.2	202.5	140.5	112.0	99.3	94.9	94.3
87.5°	1042.2	806.8	546.1	331.6	205.0	143.6	115.8	103.8	98.7	98.7
90°	1027.6	797.9	542.3	332.2	207.5	148.1	120.9	108.8	103.8	103.1
92.5°	1013.1	787.8	537.8	333.5	212.0	152.5	125.9	113.9	108.8	107.6
95°	993.4	773.9	532.8	334.1	215.8	157.6	131.0	119.0	113.9	113.9
97.5°	973.2	761.2	527.1	336.0	220.8	163.9	137.9	125.3	120.2	120.2
100°	951.7	747.9	523.3	337.9	225.9	170.8	144.3	131.6	126.6	126.6
102.5°	928.9	733.4	519.5	341.7	233.5	177.8	151.9	139.2	133.5	133.5
105°	905.5	719.4	515.7	346.1	241.1	186.7	160.1	147.4	141.7	141.7
107.5°	882.7	706.2	512.5	351.8	249.3	195.5	168.3	155.7	150.0	148.7

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

Scaled Data Report

REPORT NUMBER: P1224025
CATALOG NUMBER: FFX-CLB-70-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	858.7	692.2	510.0	357.5	258.8	205.6	178.4	163.9	157.6	157.6
112.5°	832.7	677.7	508.1	363.2	268.9	215.8	187.3	172.7	166.4	165.2
115°	805.5	663.1	504.3	369.5	277.8	225.9	196.8	180.3	173.4	172.7
117.5°	778.9	646.0	499.9	374.0	286.0	234.1	204.4	187.9	180.3	179.7
120°	747.9	627.1	492.3	375.2	292.3	240.4	210.7	193.0	185.4	184.1
122.5°	713.8	602.4	481.5	374.0	295.5	244.9	214.5	196.8	187.9	187.3
125°	675.2	575.2	467.6	369.5	296.1	246.8	215.8	197.4	189.2	187.9
127.5°	634.7	548.0	449.3	360.7	292.3	245.5	214.5	196.2	187.3	186.7
130°	592.9	515.7	427.7	349.3	286.0	241.1	211.3	193.0	184.1	183.5
132.5°	551.1	481.5	404.3	334.1	277.1	234.1	205.6	187.9	179.7	178.4
135°	506.2	448.0	380.3	318.3	265.1	226.5	198.7	181.6	173.4	172.7
137.5°	465.1	413.2	355.6	300.6	253.7	216.4	191.1	175.3	168.3	167.0
140°	424.6	379.7	329.0	281.6	239.2	206.3	182.2	168.3	161.4	160.7
142.5°	387.2	348.7	305.6	263.2	225.9	196.2	174.6	161.4	155.7	154.4
145°	348.7	316.4	280.9	244.2	211.3	185.4	166.4	154.4	149.3	148.1
147.5°	315.1	286.6	256.3	225.3	198.1	174.6	158.2	148.1	143.6	143.0
150°	283.5	259.4	232.9	207.5	183.5	164.5	150.6	141.7	137.9	137.3
152.5°	255.0	234.1	212.6	191.1	170.8	155.7	143.6	136.0	132.9	132.9
155°	228.4	211.3	194.3	176.5	160.7	148.1	138.6	132.2	129.7	129.1
157.5°	205.6	192.4	178.4	163.9	151.9	141.1	133.5	129.1	126.6	126.6
160°	186.0	175.9	164.5	153.8	144.3	135.4	129.7	125.9	124.0	124.0
162.5°	170.2	162.0	153.1	144.9	136.7	131.0	126.6	124.0	122.8	122.8
165°	156.9	151.2	144.9	137.9	132.2	127.8	124.7	122.8	122.1	122.1
167.5°	147.4	142.4	137.3	132.9	129.1	125.3	123.4	122.1	122.1	121.5
170°	139.2	136.0	131.6	128.5	125.3	123.4	122.1	121.5	121.5	120.9
172.5°	132.9	130.3	127.8	125.3	123.4	122.1	121.5	121.5	121.5	121.5
175°	129.1	127.2	125.3	124.0	122.8	121.5	121.5	122.1	122.1	122.1
177.5°	125.9	125.3	124.0	123.4	122.8	122.8	122.8	123.4	124.0	124.0
180°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

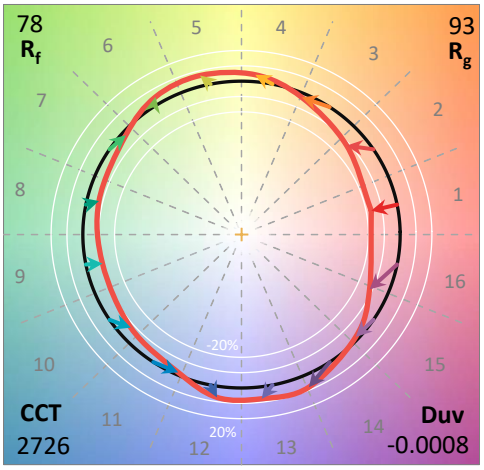
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

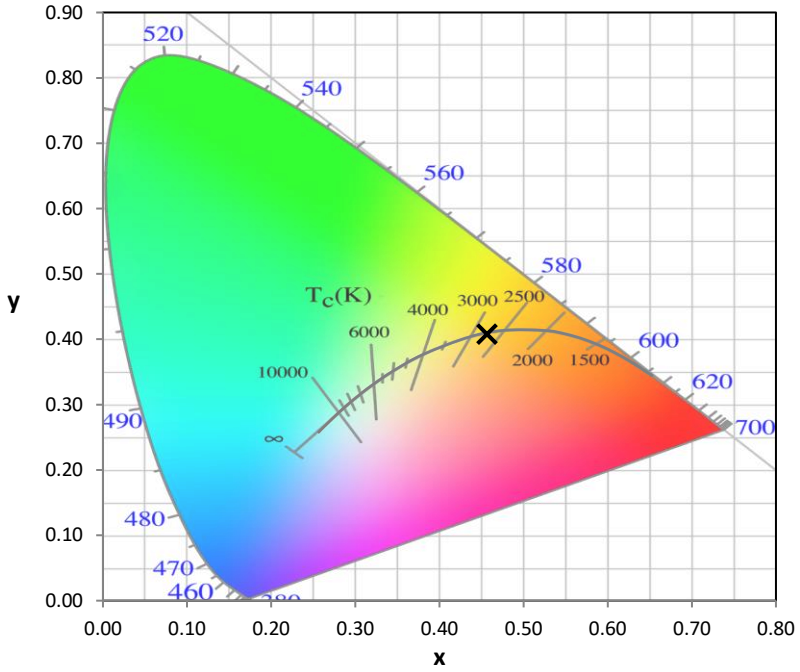
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

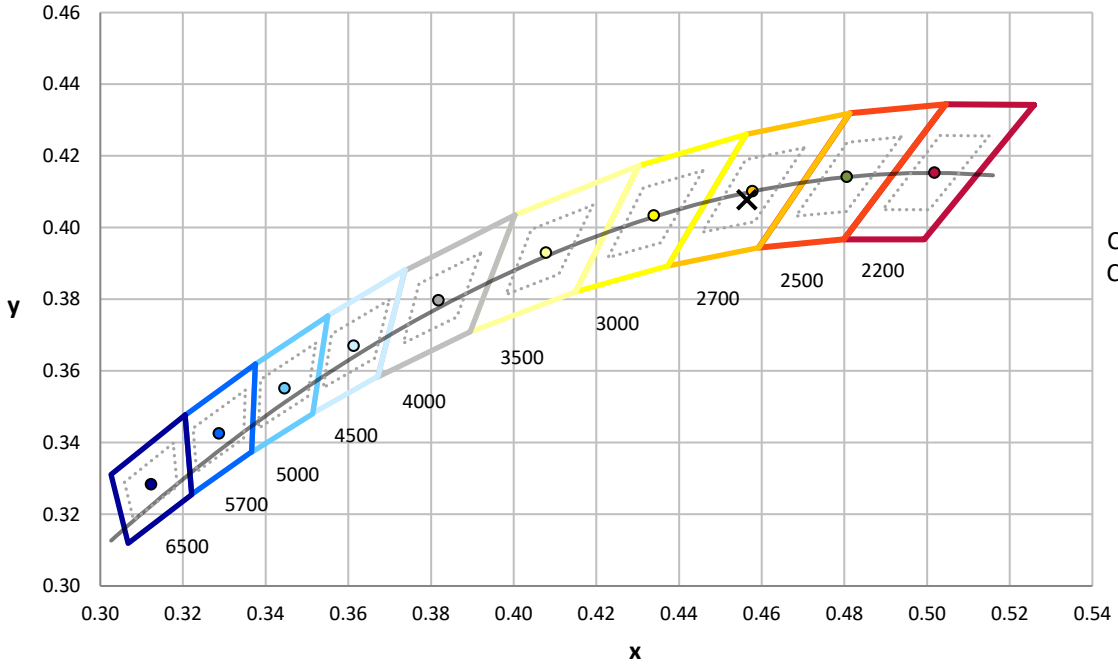
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

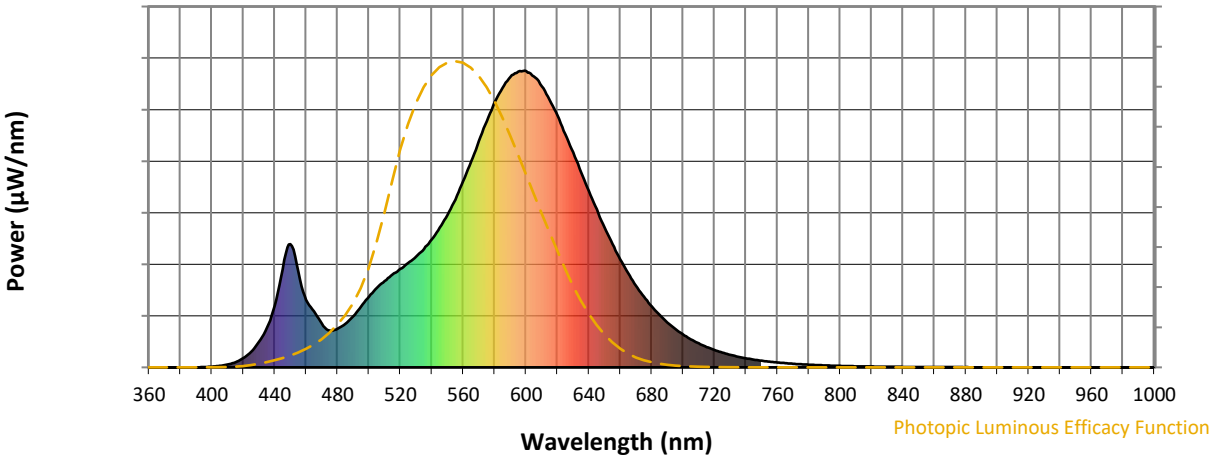


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

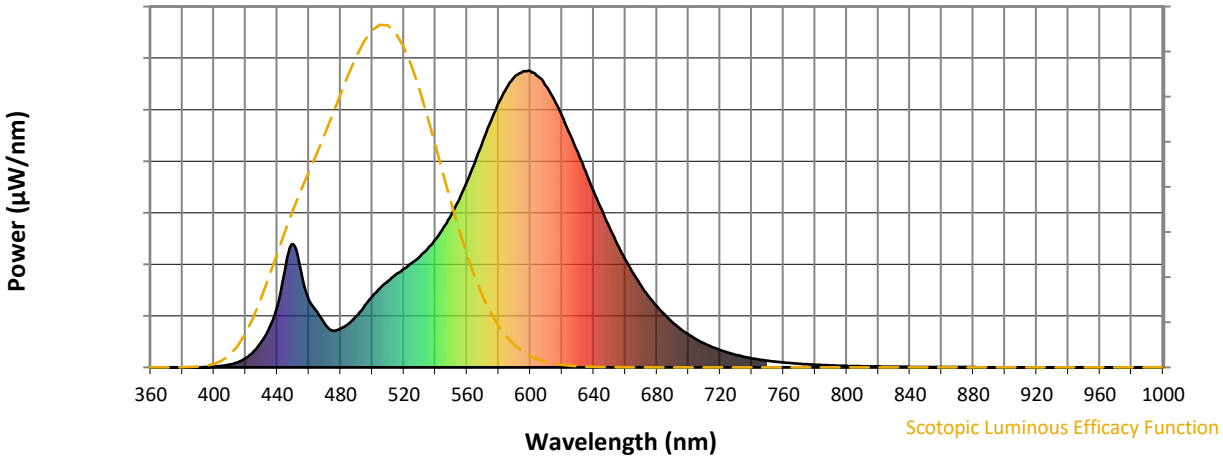


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

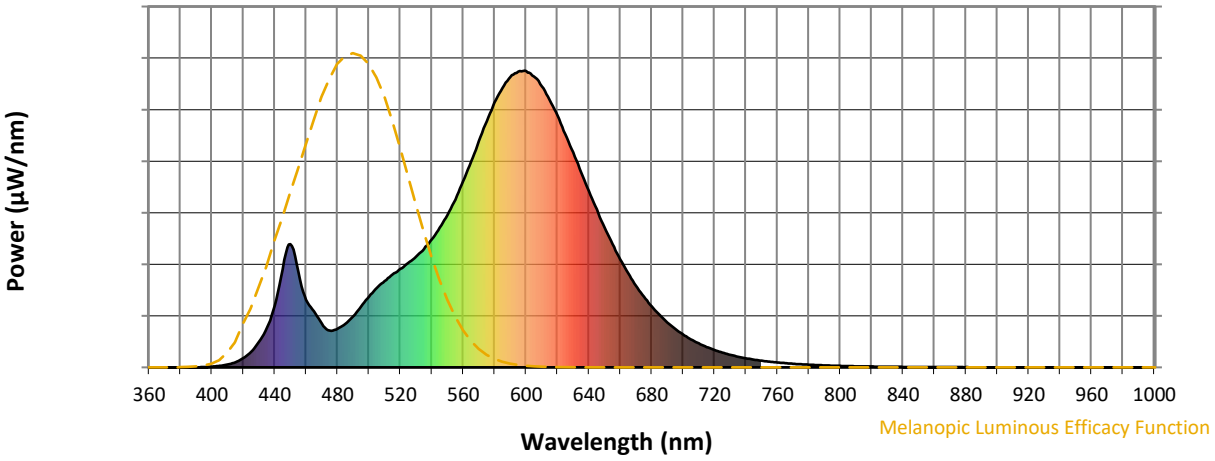


Scotopic Lumens: NR **S/P: 1.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

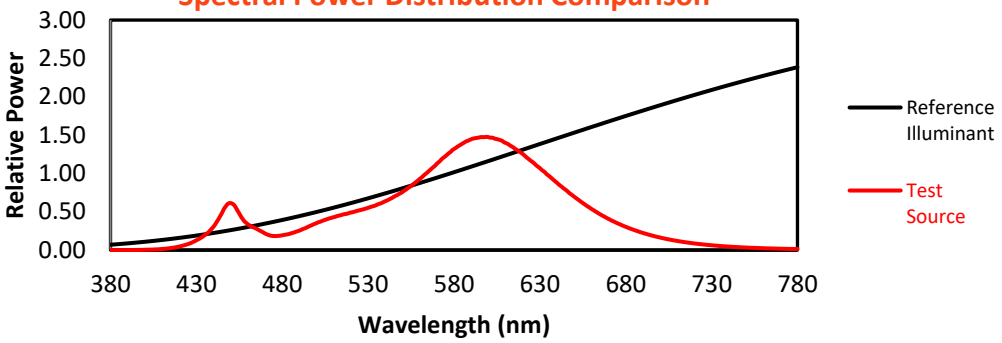
REPORT NUMBER: SP1-2501-332-3

TM-30-18

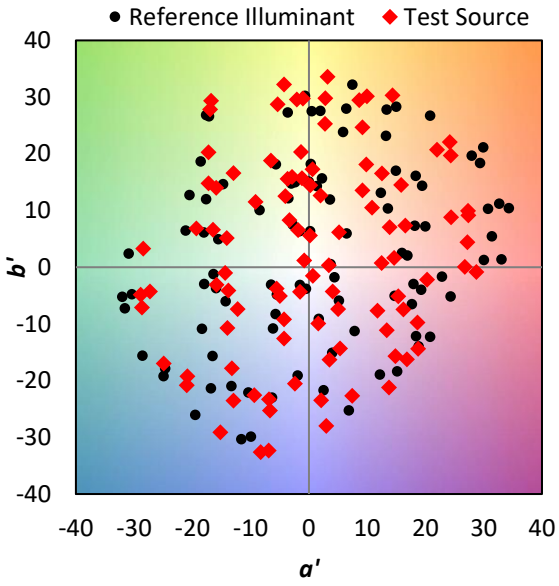
Summary

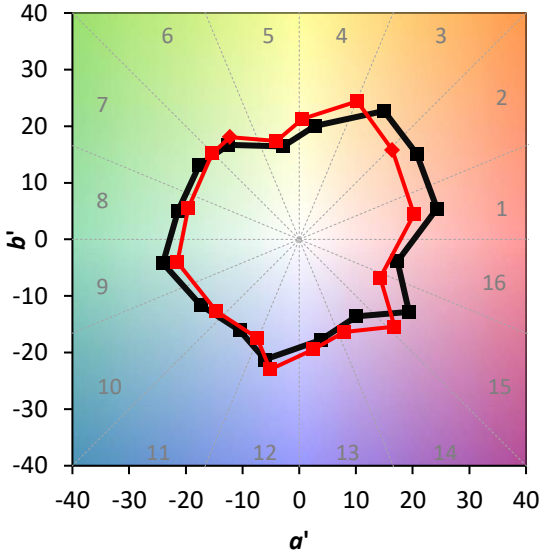
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

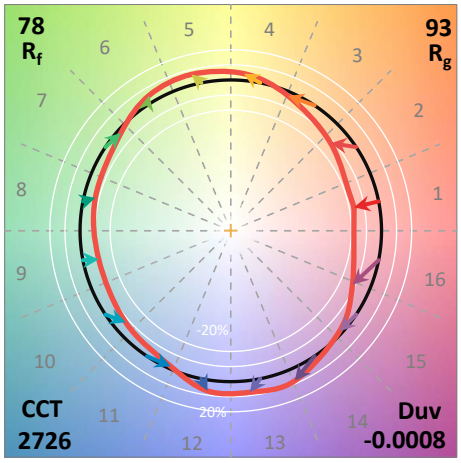
Spectral Power Distribution Comparison

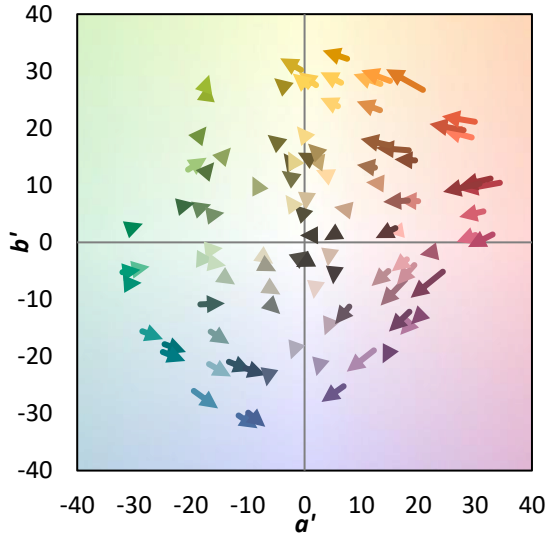


Color Vector Graphics







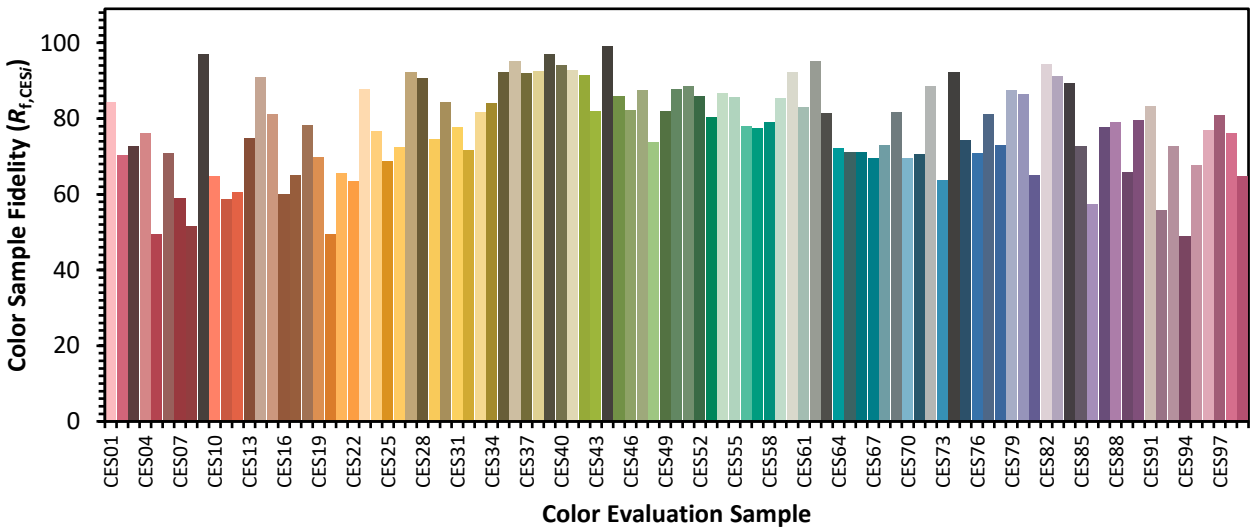


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

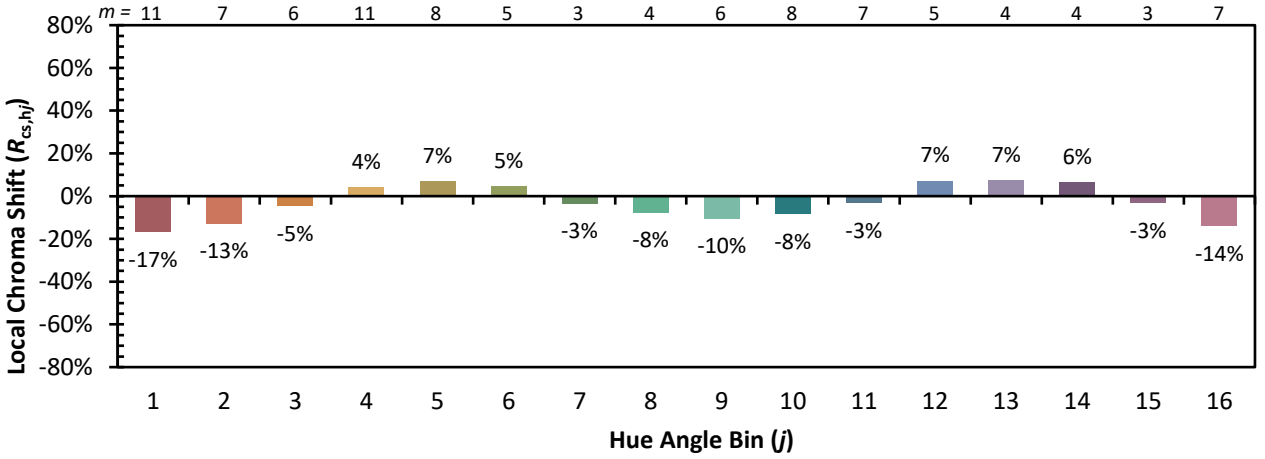
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

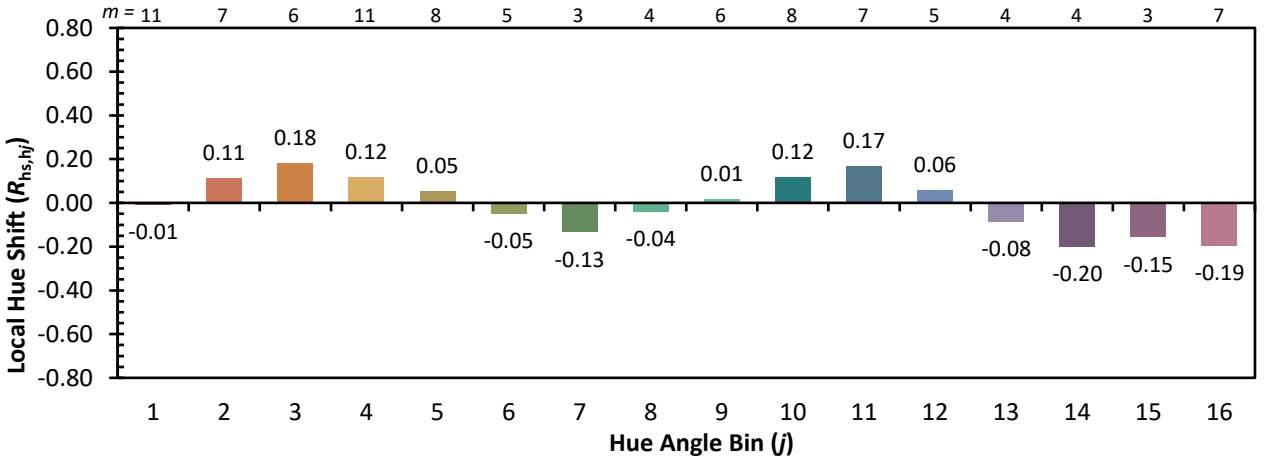


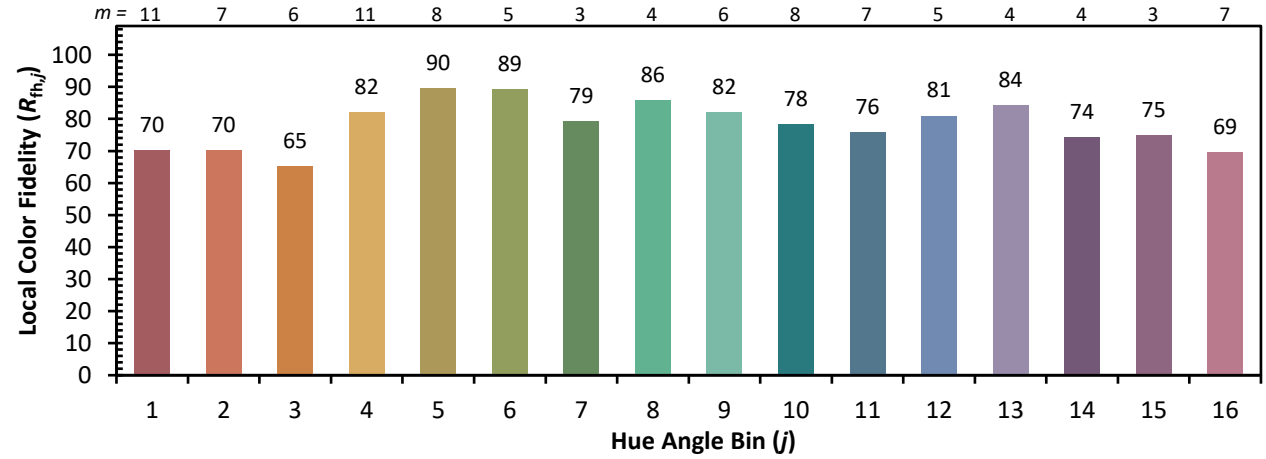
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Color Rendition by Hue-Angle Bin



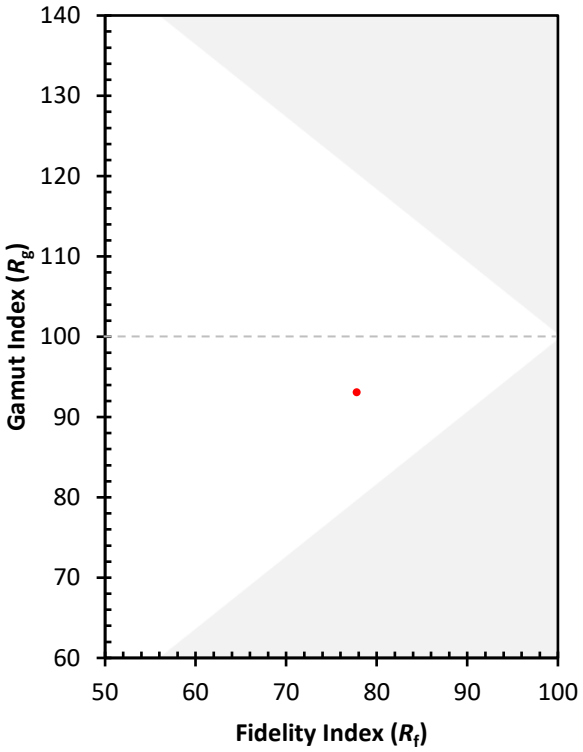


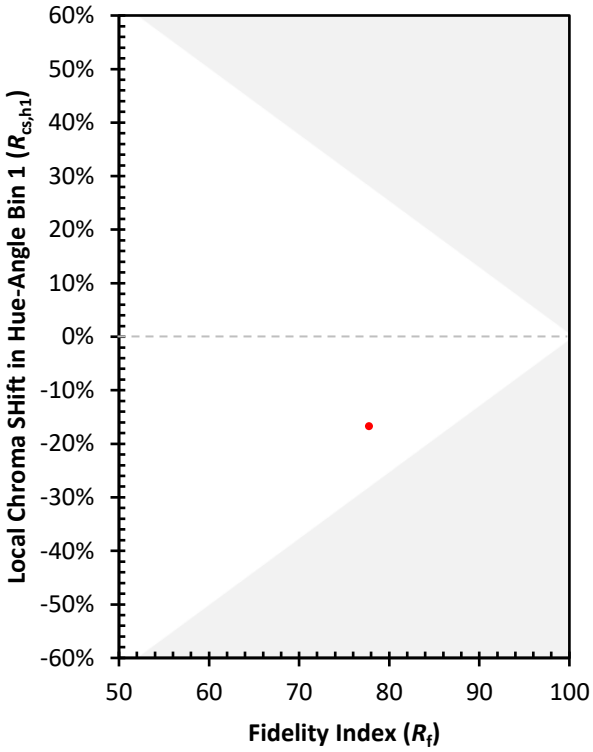


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Measure Comparisons





(END OF REPORT)