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: P1223899

Luminaire Tested: **FFX-CLB-70-730-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223899
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10621.3 lumens
Efficiency:	N/A
Efficacy:	149.2 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):	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

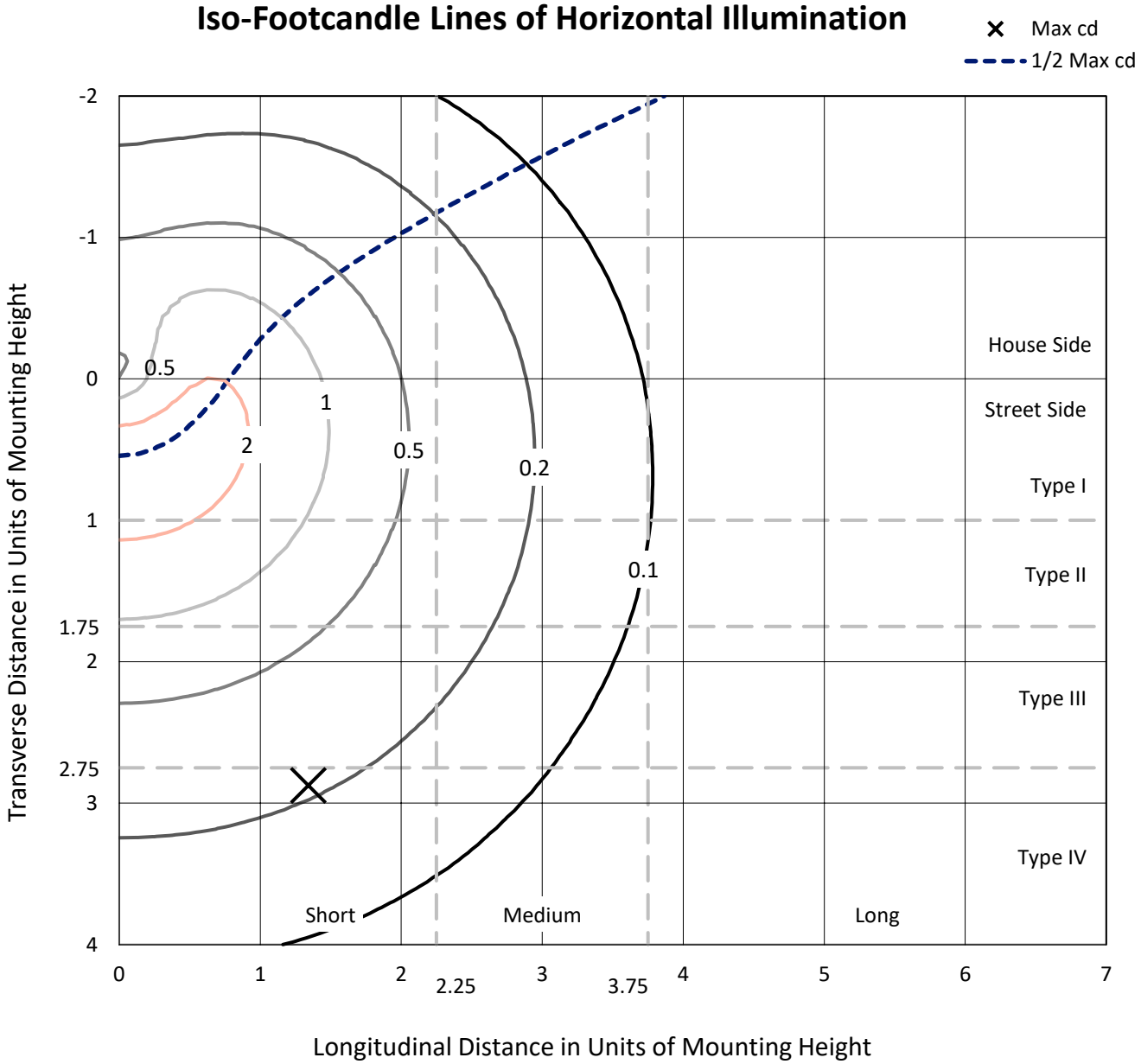


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Iso-Footcandle Lines of Horizontal Illumination



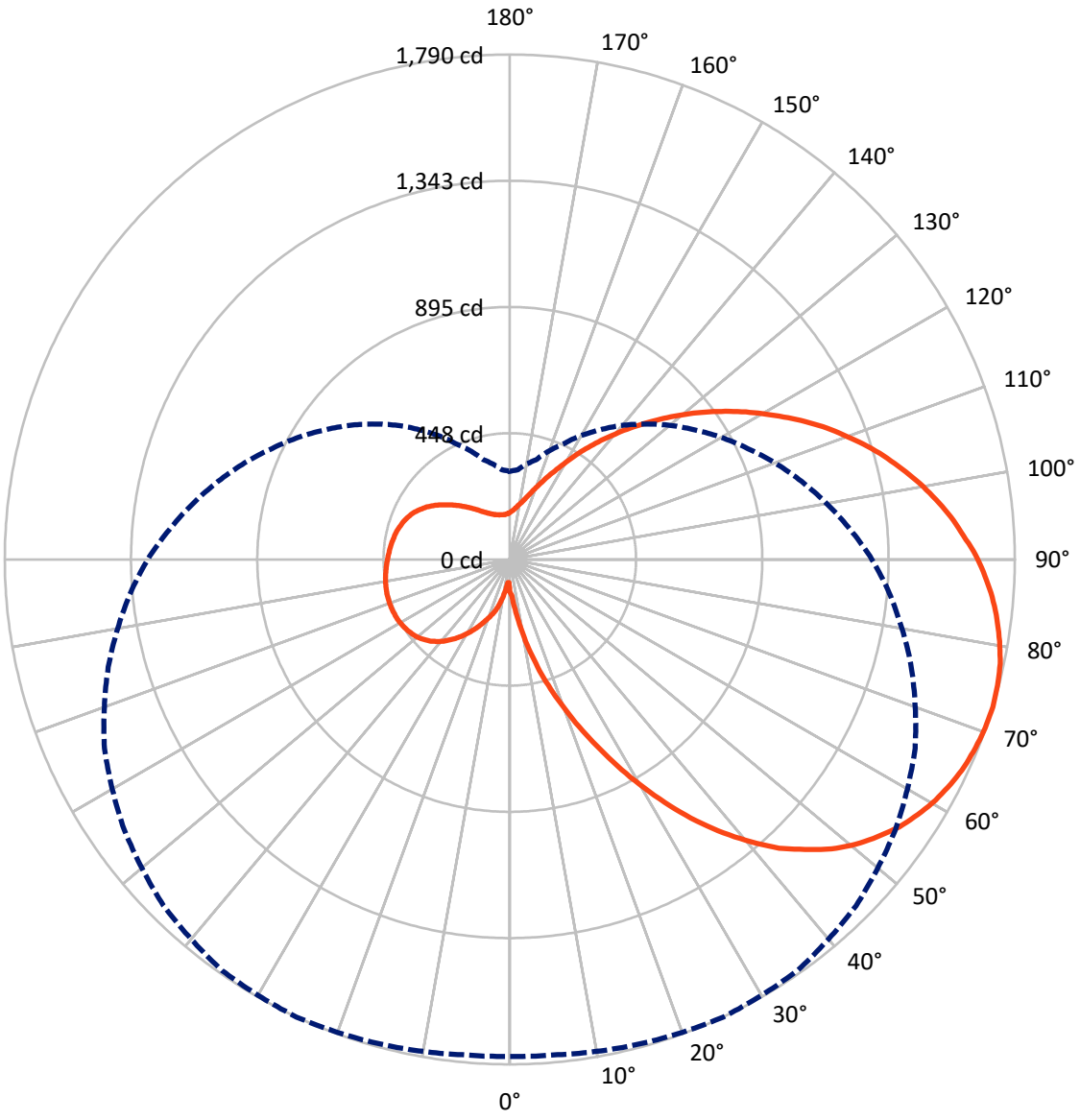
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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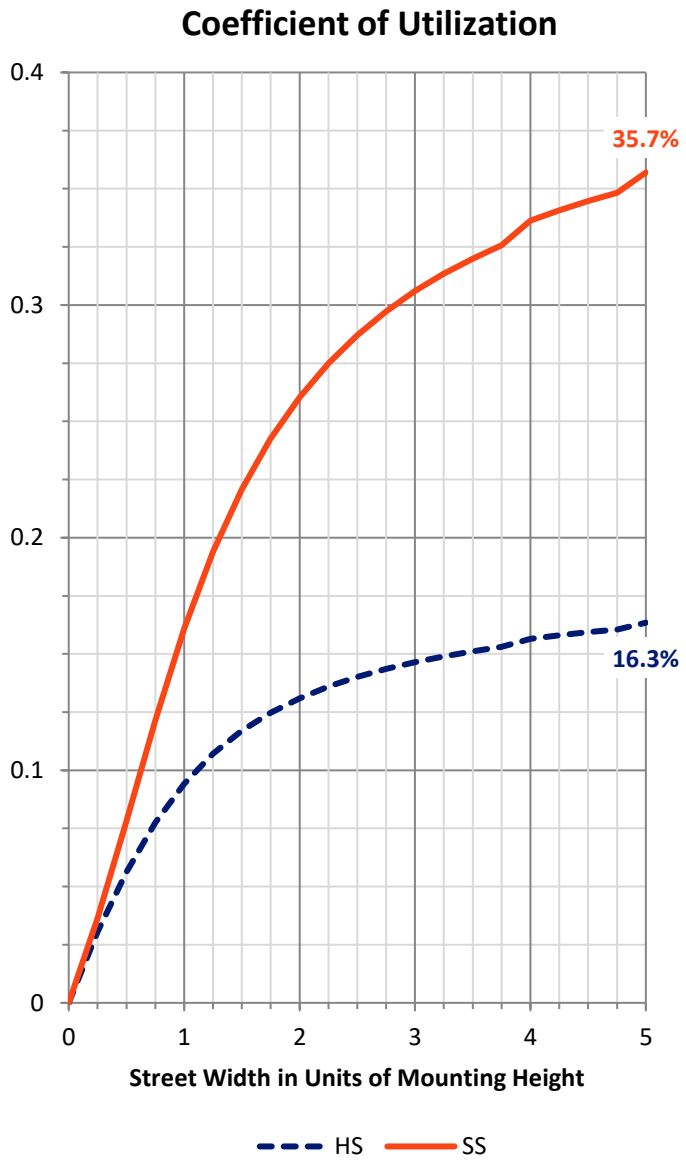
REPORT NUMBER: P1223899
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.7	1464.4	3378.1
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	4328.1	2915.1	7243.2
	% Fixture	40.7	27.4	68.2
Total	Lumens	6241.7	4379.5	10621.3
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.1
10°-20°	90.1	0.8
20°-30°	245.7	2.3
30°-40°	486.8	4.6
40°-50°	759.9	7.2
50°-60°	996.0	9.4
60°-70°	1162.3	10.9
70°-80°	1247.1	11.7
80°-90°	1238.9	11.7
90°-100°	1149.4	10.8
100°-110°	1000.9	9.4
110°-120°	809.8	7.6
120°-130°	596.1	5.6
130°-140°	394.3	3.7
140°-150°	233.2	2.2
150°-160°	122.6	1.2
160°-170°	56.8	0.5
170°-180°	16.4	0.2
0°-90°	6241.7	58.8
0°-180°	10621.3	100.0



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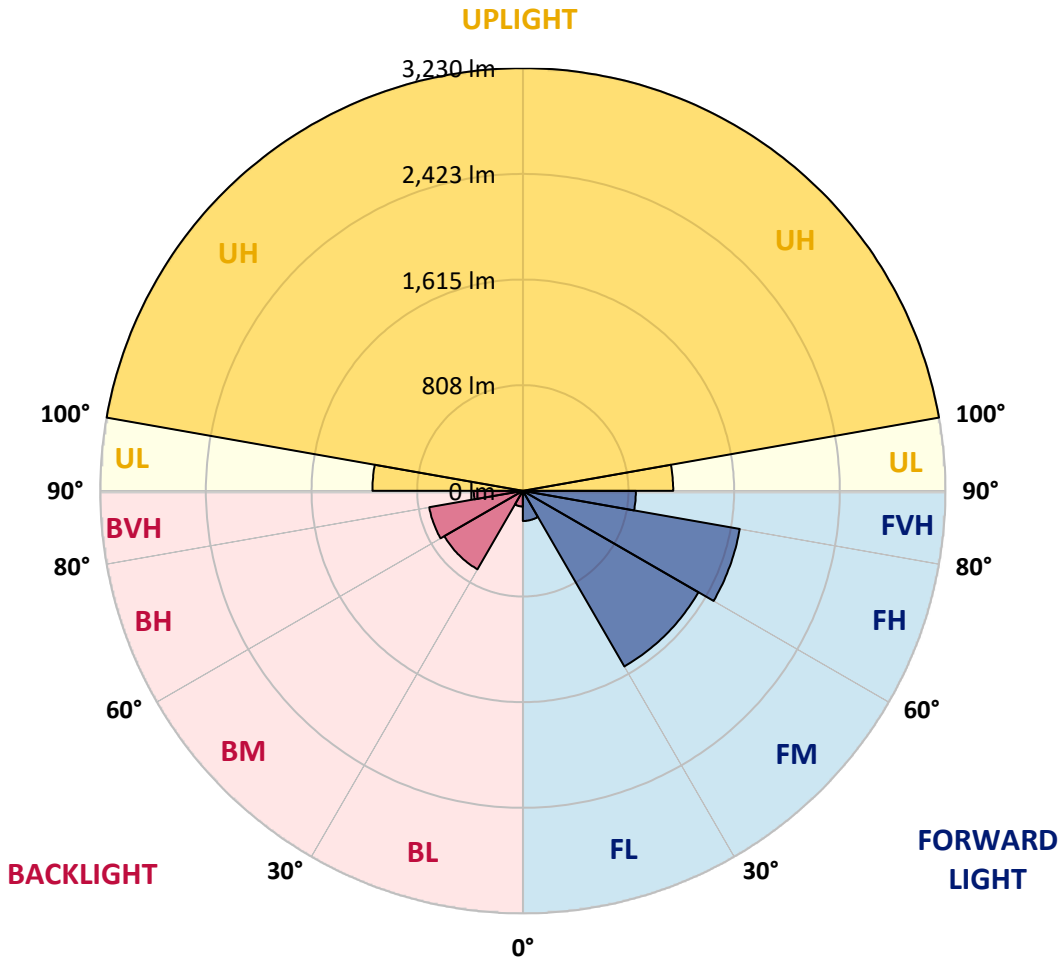
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	230.7	2.2			
FM	(30°-60°)	1550.1	14.6			
FH	(60°-80°)	1683.5	15.9			G1/1800
FVH	(80°-90°)	863.7	8.1			G5
BL	(0°-30°)	120.2	1.1	B1/500		
BM	(30°-60°)	692.5	6.5	B1/1000		
BH	(60°-80°)	725.8	6.8	B2/1000		G2/1000
BVH	(80°-90°)	375.2	3.5			G3/500
UL	(90°-100°)	1149.4	10.8		U5	
UH	(100°-180°)	3230.2	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°	115.4	115.4	115.4	*115.4*	115.4	115.4	115.4	115.4	115.4	115.4	115.4
2.5°	124.0	124.0	126.1	*126.8*	127.6	127.6	128.3	127.6	124.7	121.1	119.0
5°	169.1	167.7	167.0	*167.7*	167.7	164.8	160.5	152.6	146.9	137.6	134.0
7.5°	226.5	225.0	222.9	*220.7*	220.7	213.6	206.4	199.9	189.9	177.0	172.7
10°	293.1	290.2	287.4	*283.1*	278.0	271.6	262.3	251.5	237.9	224.3	215.7
12.5°	358.3	357.6	356.2	*349.7*	340.4	334.7	324.6	309.6	292.4	273.8	266.6
15°	433.6	430.0	427.8	*422.8*	417.1	405.6	389.1	374.8	354.7	328.9	320.3
17.5°	503.1	501.6	497.3	*495.9*	486.6	474.4	455.8	434.3	409.9	386.3	373.4
20°	579.0	582.6	577.6	*573.3*	556.8	544.6	527.4	506.7	477.3	443.6	430.0
22.5°	663.6	667.2	659.3	*659.3*	645.7	625.6	601.2	576.9	540.3	505.2	488.0
25°	761.8	763.2	751.0	*746.0*	736.0	715.9	686.5	657.9	615.6	571.1	551.1
27.5°	854.9	857.8	850.6	*844.2*	827.7	808.4	776.1	742.4	694.4	641.4	619.2
30°	960.3	954.5	951.7	*940.2*	923.0	902.9	867.1	829.8	774.7	712.3	685.1
32.5°	1053.4	1049.1	1051.3	*1042.0*	1016.9	994.7	961.0	915.8	851.3	786.1	755.3
35°	1149.5	1151.6	1148.7	*1138.7*	1123.7	1094.3	1048.4	997.5	933.0	856.4	823.4
37.5°	1247.6	1242.6	1239.0	*1230.4*	1215.4	1182.4	1137.3	1080.0	1005.4	924.4	887.9
40°	1332.2	1335.8	1331.5	*1317.2*	1303.5	1267.0	1217.5	1152.3	1075.7	988.9	946.7
42.5°	1412.5	1411.0	1407.4	*1399.6*	1380.9	1342.2	1293.5	1226.9	1140.1	1044.1	999.7
45°	1477.0	1478.4	1478.4	*1466.9*	1449.7	1414.6	1358.7	1290.6	1198.2	1097.2	1050.6
47.5°	1538.6	1540.7	1539.3	*1534.3*	1515.7	1474.1	1417.5	1347.3	1249.1	1145.2	1092.9
50°	1593.1	1593.1	1592.3	*1588.0*	1570.1	1530.0	1471.9	1396.7	1294.9	1185.3	1133.7
52.5°	1638.2	1637.5	1638.2	*1633.2*	1614.6	1578.0	1517.8	1437.5	1335.8	1219.0	1168.8
55°	1674.0	1671.9	1676.9	*1674.7*	1658.3	1617.4	1553.6	1475.5	1370.2	1251.2	1198.2
57.5°	1702.7	1702.0	1708.4	*1706.3*	1689.8	1649.0	1585.9	1506.3	1398.8	1277.7	1219.7
60°	1726.3	1724.9	1733.5	*1733.5*	1717.0	1676.2	1613.8	1530.0	1421.8	1298.5	1239.8
62.5°	1742.8	1743.5	1751.4	*1754.3*	1740.0	1698.4	1633.2	1550.8	1440.4	1315.0	1255.5
65°	1754.3	1755.7	1765.0	*1770.8*	1756.4	1715.6	1648.2	1565.8	1455.5	1328.6	1267.7
67.5°	1761.5	1762.2	1775.1	*1780.8*	1769.3	1726.3	1661.1	1576.6	1465.5	1337.2	1277.0
70°	1764.3	1765.0	1779.4	*1788.0*	1776.5	1732.8	1666.9	1582.3	1471.9	1343.0	1282.0
72.5°	*1762.2*	*1763.6*	*1778.7*	*1790.1*	*1778.7*	*1735.7*	*1669.0*	*1585.2*	*1473.4*	*1349.4*	*1283.5*
75°	1755.0	1756.4	1773.6	*1785.1*	1776.5	1732.1	1665.4	1582.3	1471.2	1343.7	1281.3
77.5°	1742.8	1745.0	1762.9	*1777.2*	1767.2	1724.9	1658.3	1574.4	1463.3	1336.5	1273.4
80°	1724.9	1725.6	1745.7	*1760.0*	1752.9	1710.6	1643.9	1560.8	1450.4	1324.3	1262.7
82.5°	1702.0	1704.8	1724.2	*1740.0*	1733.5	1689.8	1625.3	1543.6	1434.0	1309.3	1246.9
85°	1677.6	1680.5	1698.4	*1715.6*	1707.7	1666.9	1602.4	1521.4	1411.7	1288.5	1229.0
87.5°	1648.2	1650.4	1667.6	*1685.5*	1678.3	1637.5	1575.1	1495.6	1388.8	1269.1	1208.2
90°	1616.0	1618.1	1634.6	*1651.8*	1642.5	1603.8	1542.9	1464.8	1360.9	1243.3	1184.6
92.5°	1581.6	1582.3	1600.9	*1610.3*	1605.2	1570.8	1510.6	1435.4	1331.5	1216.8	1161.6
95°	1542.9	1542.9	1560.8	*1570.8*	1562.2	1530.0	1473.4	1398.1	1297.1	1189.6	1133.0
97.5°	1500.6	1502.0	1515.7	*1525.7*	1522.8	1489.1	1435.4	1363.7	1267.0	1160.2	1106.5
100°	1456.9	1456.9	1469.1	*1477.7*	1471.2	1444.0	1393.1	1327.2	1229.0	1128.7	1076.4
102.5°	1411.0	1410.3	1420.3	*1426.8*	1422.5	1397.4	1350.1	1284.9	1193.2	1095.7	1046.3
105°	1360.2	1358.0	1368.0	*1375.2*	1370.9	1348.7	1308.6	1245.5	1156.6	1063.5	1016.2
107.5°	1305.7	1309.3	1315.0	*1319.3*	1315.7	1296.4	1258.4	1202.5	1118.6	1029.8	983.9
110°	1254.1	1256.2	1257.0	*1262.0*	1261.3	1245.5	1213.2	1157.3	1077.8	994.0	949.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1201.8	1201.1	1201.8	*1205.4*	1205.4	1189.6	1158.8	1110.0	1037.7	956.0	915.1
115°	1145.2	1142.3	1143.0	*1143.7*	1146.6	1134.4	1107.9	1062.0	991.1	918.7	878.6
117.5°	1086.4	1085.7	1084.3	*1082.1*	1082.1	1077.1	1054.2	1013.3	945.9	874.3	840.6
120°	1030.5	1027.6	1024.1	*1021.9*	1023.3	1017.6	999.0	958.1	898.6	834.1	800.5
122.5°	966.0	968.2	966.0	*963.1*	963.9	958.1	942.4	908.0	848.5	786.9	756.8
125°	910.8	910.1	907.2	*902.9*	902.9	900.8	883.6	853.5	800.5	741.7	713.8
127.5°	849.2	849.9	847.0	*844.9*	846.3	842.0	830.6	796.2	749.6	697.3	670.0
130°	791.2	790.4	789.7	*785.4*	789.0	781.1	771.1	742.4	698.0	653.6	628.5
132.5°	736.7	732.4	729.5	*728.8*	728.1	727.4	715.2	690.1	652.8	608.4	584.0
135°	682.2	678.6	675.1	*673.6*	675.1	671.5	660.7	639.9	605.5	562.5	543.9
137.5°	626.3	624.9	624.9	*621.3*	621.3	618.4	609.1	591.9	559.7	522.4	503.8
140°	576.2	573.3	571.9	*569.7*	571.9	569.0	559.0	542.5	515.3	483.0	465.1
142.5°	524.6	521.7	523.9	*521.7*	519.6	518.1	509.5	496.6	473.0	443.6	428.5
145°	476.6	476.6	475.1	*475.8*	474.4	473.0	464.4	452.2	432.1	404.9	394.1
147.5°	431.4	432.8	431.4	*432.8*	432.8	427.1	421.4	411.3	392.7	371.2	359.7
150°	389.1	391.3	389.8	*389.1*	389.8	387.0	379.1	373.4	356.9	338.2	326.8
152.5°	353.3	354.7	354.7	*353.3*	352.6	351.1	343.3	335.4	322.5	308.1	300.3
155°	319.6	319.6	320.3	*321.0*	318.9	314.6	311.7	305.3	293.8	280.9	273.0
157.5°	291.7	290.9	291.7	*290.9*	290.2	285.9	281.6	276.6	267.3	255.8	251.5
160°	265.2	265.2	265.9	*265.2*	262.3	260.1	256.6	252.3	244.4	236.5	230.8
162.5°	243.7	243.7	243.7	*242.9*	240.1	239.4	235.1	230.8	224.3	217.9	213.6
165°	225.0	225.0	224.3	*224.3*	222.9	220.7	217.1	213.6	207.8	202.8	199.9
167.5°	210.0	209.3	208.5	*207.8*	207.1	205.0	201.4	199.2	194.9	190.6	188.5
170°	197.1	197.1	196.4	*196.4*	194.9	192.8	190.6	187.8	184.9	180.6	179.2
172.5°	185.6	185.6	185.6	*185.6*	183.5	182.7	180.6	178.4	176.3	173.4	172.0
175°	177.0	177.0	177.0	*177.0*	175.6	174.1	173.4	171.3	169.8	167.7	167.0
177.5°	170.6	170.6	170.6	*170.6*	169.8	168.4	167.7	166.3	164.8	164.1	163.4
180°	164.8	164.8	164.8	*164.8*	164.8	164.8	164.8	164.8	164.8	164.8	164.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
2.5°	116.8	112.5	106.8	100.3	95.3	88.9	82.4	78.8	76.7	75.2
5°	130.4	121.1	112.5	103.2	96.0	89.6	82.4	76.7	73.8	73.1
7.5°	166.3	153.4	140.5	129.0	119.0	108.9	101.8	96.0	92.4	92.4
10°	209.3	191.3	176.3	161.2	147.6	135.4	125.4	119.7	115.4	113.9
12.5°	258.0	236.5	215.7	198.5	178.4	164.8	152.6	144.8	139.7	139.0
15°	308.9	286.6	260.1	236.5	214.3	192.8	178.4	167.0	162.7	162.7
17.5°	357.6	328.9	299.5	270.9	243.7	218.6	198.5	185.6	179.2	177.7
20°	409.9	375.5	337.5	303.8	270.2	240.8	217.1	200.7	192.1	191.3
22.5°	463.7	423.5	382.7	338.2	299.5	264.4	236.5	217.1	206.4	205.0
25°	525.3	476.6	427.8	379.1	332.5	290.9	258.0	234.3	222.2	220.7
27.5°	593.4	532.5	474.4	418.5	364.0	318.2	278.8	251.5	236.5	235.8
30°	655.7	588.3	522.4	457.9	398.4	343.3	299.5	268.0	251.5	249.4
32.5°	718.1	643.5	569.0	498.1	429.3	369.8	320.3	283.8	264.4	263.0
35°	782.6	698.0	617.0	535.3	463.7	396.3	339.7	299.5	278.8	275.9
37.5°	842.7	751.7	662.9	576.2	493.8	420.7	358.3	314.6	290.9	287.4
40°	897.9	799.8	704.4	611.3	522.4	443.6	376.2	327.5	301.0	298.1
42.5°	948.8	844.9	742.4	642.1	548.9	463.7	391.3	338.2	308.9	306.0
45°	996.8	887.2	777.5	670.8	571.9	482.3	405.6	348.3	316.7	312.4
47.5°	1037.7	923.0	805.5	695.1	592.6	498.1	416.4	355.4	322.5	318.2
50°	1074.2	953.1	832.0	718.8	610.6	512.4	426.4	361.2	325.3	321.0
52.5°	1103.6	981.1	854.9	737.4	627.0	523.9	433.6	366.2	328.2	323.9
55°	1132.3	1004.0	875.0	753.9	639.2	534.6	439.3	369.1	329.6	324.6
57.5°	1155.9	1023.3	891.5	766.8	651.4	541.8	444.3	370.5	329.6	323.9
60°	1173.1	1038.4	904.4	777.5	659.3	548.2	447.9	371.2	328.9	323.2
62.5°	1188.2	1050.6	913.7	786.9	667.2	553.2	451.5	371.9	327.5	321.8
65°	1199.6	1060.6	921.6	792.6	672.2	557.5	452.2	371.2	325.3	319.6
67.5°	1208.9	1067.1	926.6	797.6	675.8	559.7	453.6	370.5	323.9	317.5
70°	1212.5	1069.9	929.5	799.8	677.9	561.1	453.6	369.1	321.0	314.6
72.5°	*1211.8*	*1069.9*	*930.2*	*800.5*	*678.6*	*561.8*	*452.9*	*366.9*	*318.9*	*312.4*
75°	1209.7	1067.8	928.7	799.8	677.9	561.1	452.2	365.5	316.7	311.0
77.5°	1203.9	1062.0	923.7	796.9	676.5	559.0	450.0	364.0	315.3	308.1
80°	1193.9	1053.4	916.6	790.4	671.5	556.8	447.9	361.2	312.4	306.7
82.5°	1179.6	1042.7	908.0	784.7	667.2	552.5	445.0	359.7	311.0	305.3
85°	1163.1	1029.1	896.5	776.1	660.7	548.2	441.4	356.9	309.6	303.8
87.5°	1143.0	1011.2	885.0	766.1	652.8	542.5	437.9	354.7	308.9	303.1
90°	1122.2	994.7	870.7	756.8	646.4	536.8	434.3	353.3	308.1	303.1
92.5°	1099.3	976.8	857.1	744.6	637.8	531.0	430.7	351.9	308.1	303.1
95°	1076.4	958.1	843.5	733.8	629.2	525.3	427.1	351.1	309.6	304.6
97.5°	1049.1	936.6	827.0	722.4	619.2	518.8	424.2	350.4	310.3	306.0
100°	1023.3	915.1	809.8	709.5	609.8	511.7	419.9	349.7	311.7	306.7
102.5°	995.4	894.3	792.6	695.8	599.8	503.8	416.4	349.0	313.2	308.9
105°	967.4	869.3	774.0	680.1	587.6	495.9	412.1	348.3	313.9	309.6
107.5°	936.6	845.6	753.2	665.0	575.4	487.3	406.3	346.8	314.6	310.3
110°	905.1	817.7	731.7	647.8	561.1	476.6	400.6	343.3	313.9	310.3

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

Scaled Data Report

REPORT NUMBER: P1223899
CATALOG NUMBER: FFX-CLB-70-730-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	875.0	791.2	708.0	628.5	546.1	465.8	392.7	339.7	311.7	308.9
115°	837.7	761.1	682.9	607.7	528.9	452.2	384.1	334.7	308.9	305.3
117.5°	803.3	729.5	656.4	585.5	511.0	438.6	374.1	328.2	303.8	301.0
120°	764.6	695.8	627.8	560.4	490.9	422.8	361.9	320.3	297.4	295.2
122.5°	726.7	662.9	598.4	534.6	469.4	404.9	349.7	310.3	290.2	288.1
125°	686.5	627.8	567.6	507.4	445.7	386.3	335.4	298.8	280.9	278.8
127.5°	645.7	591.2	534.6	478.7	422.8	367.6	320.3	287.4	270.2	269.5
130°	602.7	553.9	502.4	450.8	399.2	348.3	304.6	275.2	259.4	258.0
132.5°	564.0	518.8	470.8	422.1	373.4	328.9	289.5	262.3	248.7	247.2
135°	526.0	480.9	439.3	396.3	351.1	309.6	274.5	250.1	237.9	236.5
137.5°	487.3	447.9	409.2	369.1	328.2	290.9	260.1	238.6	227.9	226.5
140°	448.6	415.6	380.5	342.5	307.4	273.8	245.8	227.9	217.9	216.4
142.5°	413.5	382.0	350.4	317.5	285.9	257.3	232.9	215.7	207.1	206.4
145°	379.1	351.9	323.2	293.8	266.6	242.9	220.7	206.4	199.2	198.5
147.5°	348.3	323.9	298.1	273.0	249.4	227.2	209.3	197.1	189.9	189.2
150°	317.5	296.0	274.5	253.0	232.9	214.3	198.5	188.5	183.5	182.0
152.5°	290.2	273.0	253.7	235.8	217.9	202.1	189.9	180.6	176.3	175.6
155°	265.9	251.5	235.8	220.0	205.7	192.8	182.0	174.9	171.3	171.3
157.5°	245.1	232.9	220.0	207.1	195.6	184.9	176.3	170.6	167.7	167.0
160°	226.5	215.7	205.7	196.4	185.6	177.7	171.3	166.3	164.1	163.4
162.5°	209.3	202.1	194.2	186.3	178.4	172.0	167.0	163.4	162.0	162.0
165°	197.1	190.6	184.2	178.4	172.7	168.4	164.1	162.0	160.5	159.8
167.5°	186.3	181.3	177.0	172.7	168.4	164.8	162.0	160.5	159.1	159.1
170°	177.7	174.1	171.3	168.4	165.5	162.7	161.2	159.8	159.1	159.1
172.5°	170.6	168.4	166.3	164.8	162.7	161.2	159.8	159.1	159.1	159.1
175°	166.3	164.8	163.4	162.7	162.0	161.2	160.5	159.8	159.8	159.8
177.5°	163.4	162.7	162.7	162.0	162.0	162.0	162.0	162.0	162.0	162.0
180°	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

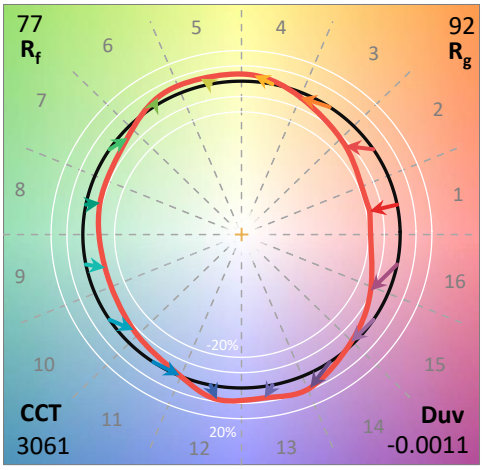
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

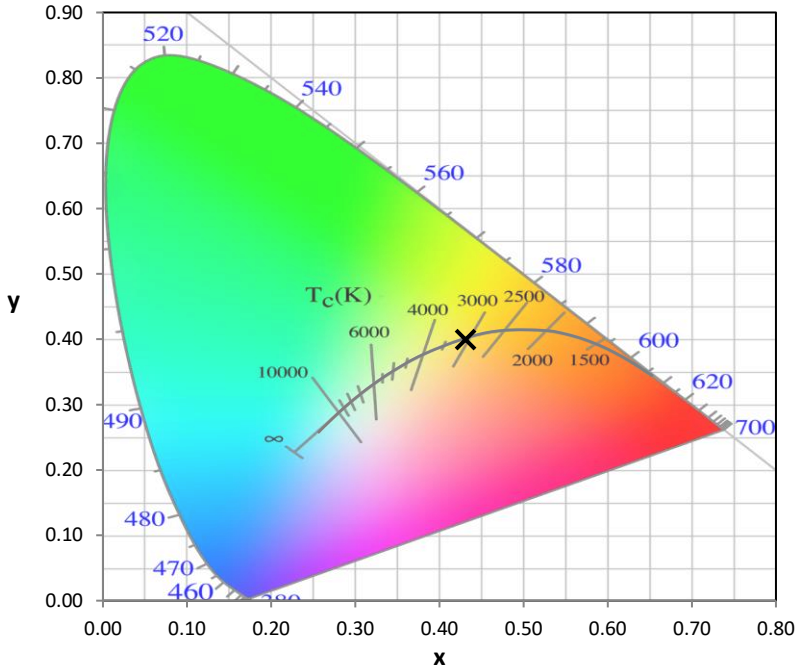
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

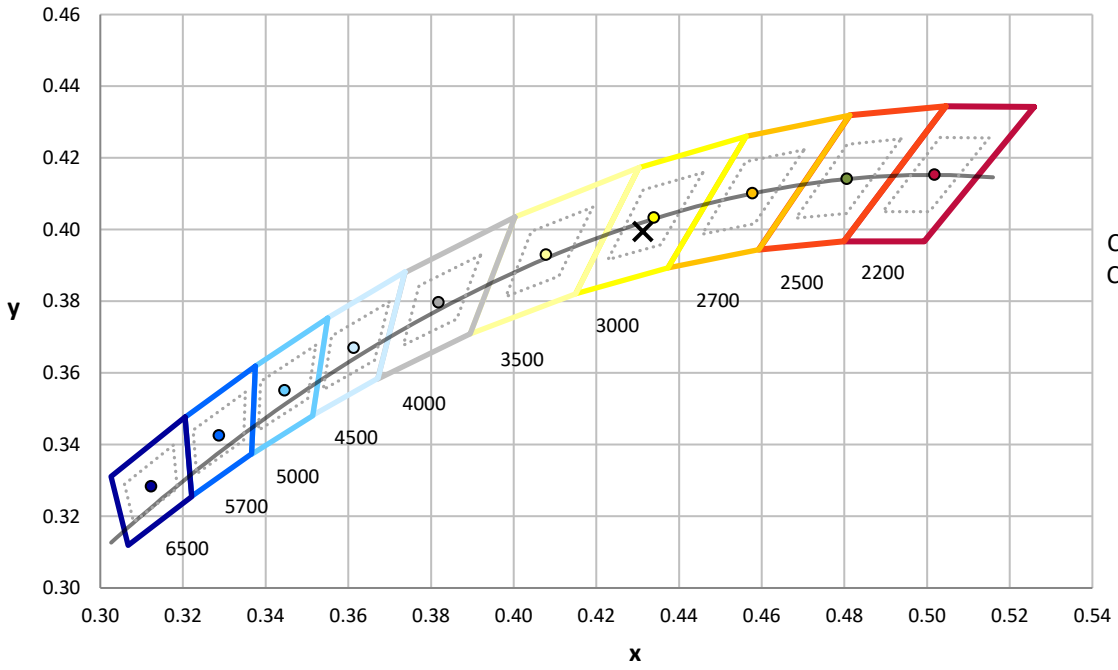
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

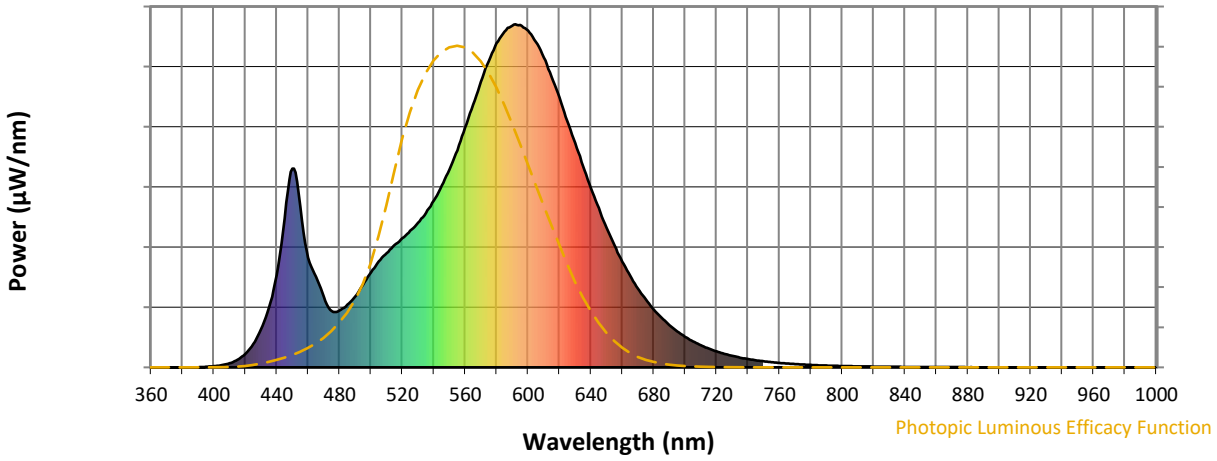


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

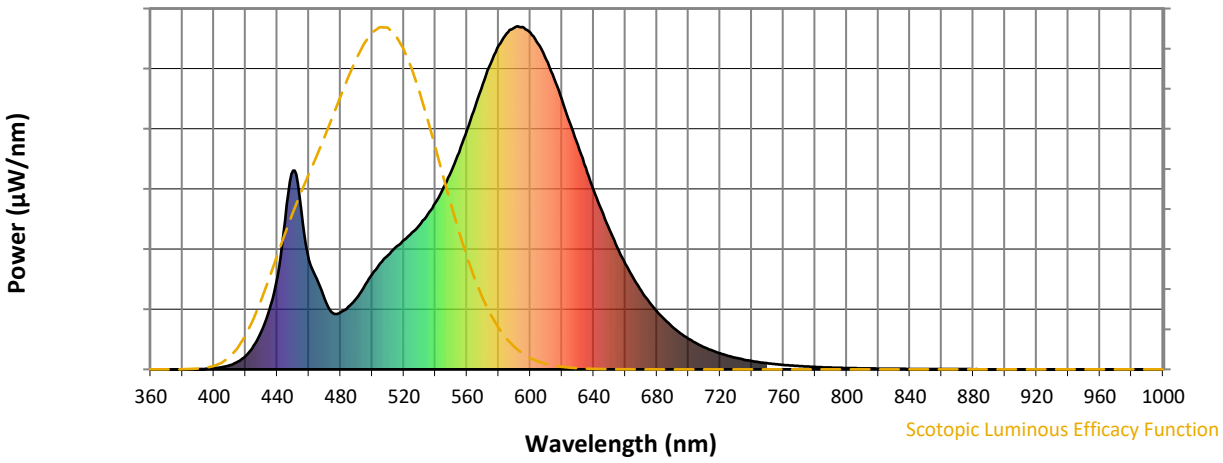


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

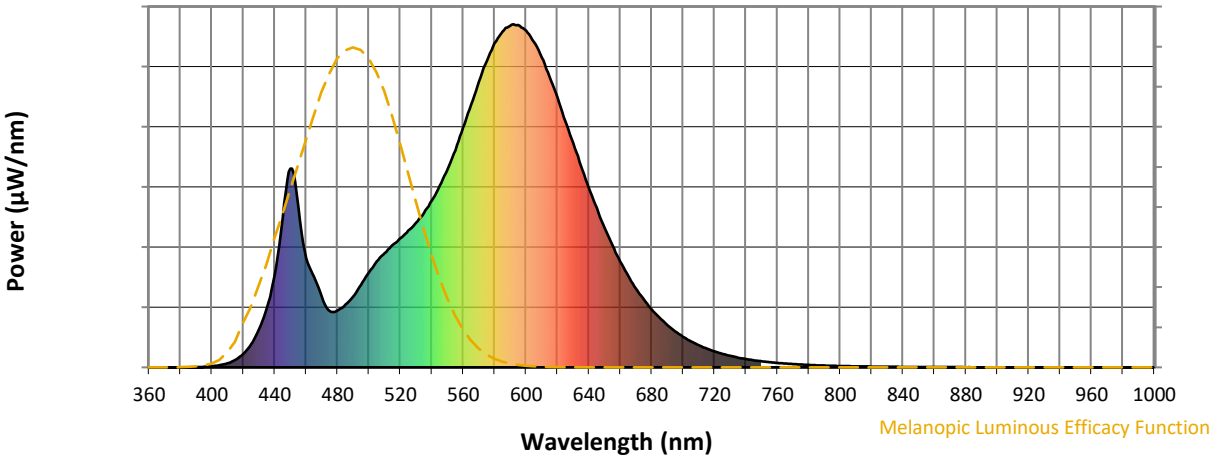


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

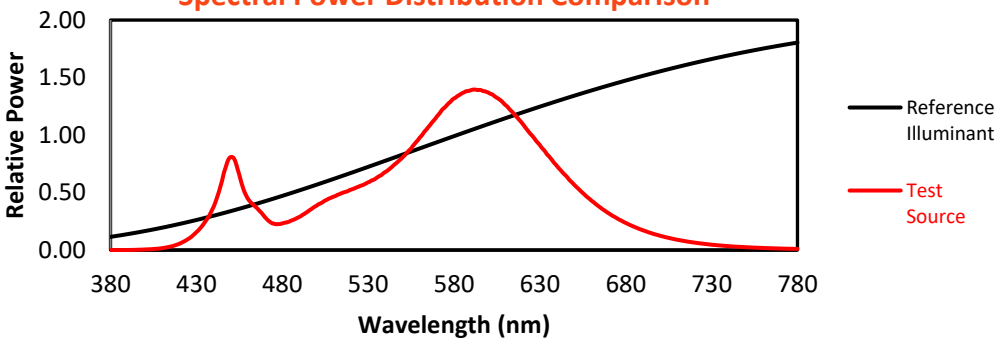
REPORT NUMBER: SP1-2501-332-4

TM-30-18

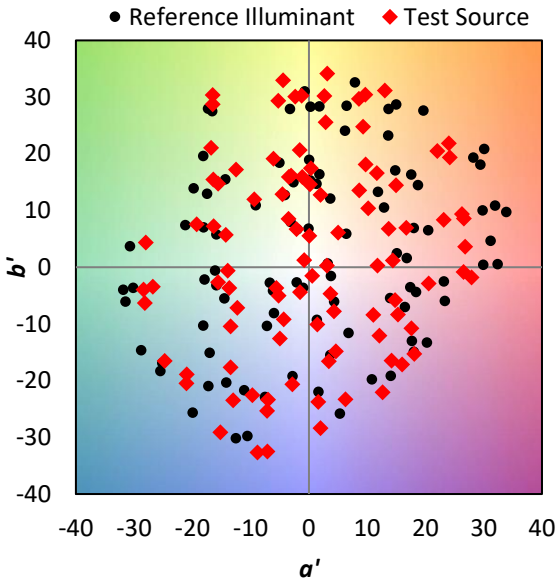
Summary

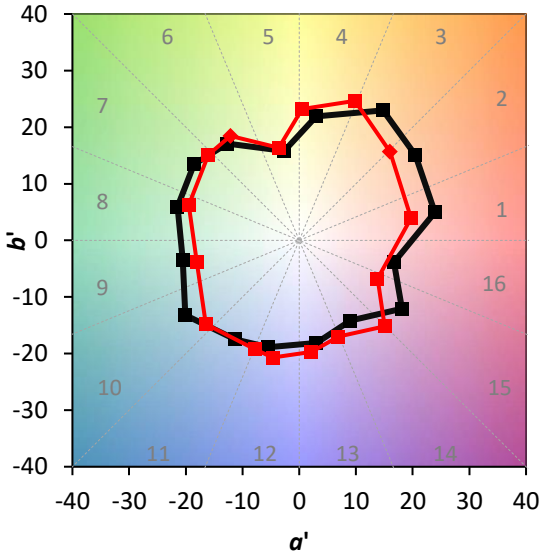
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

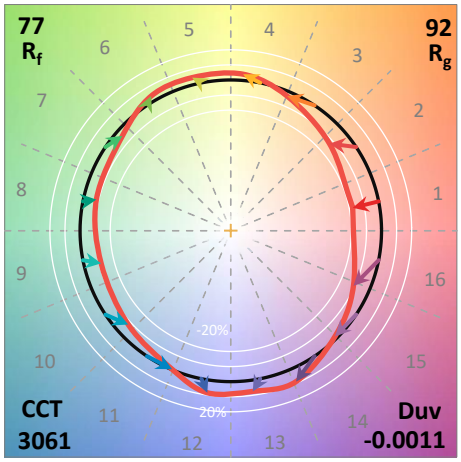
Spectral Power Distribution Comparison

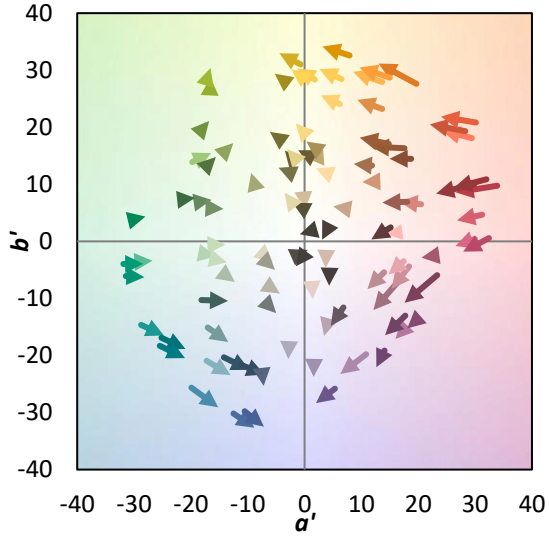


Color Vector Graphics







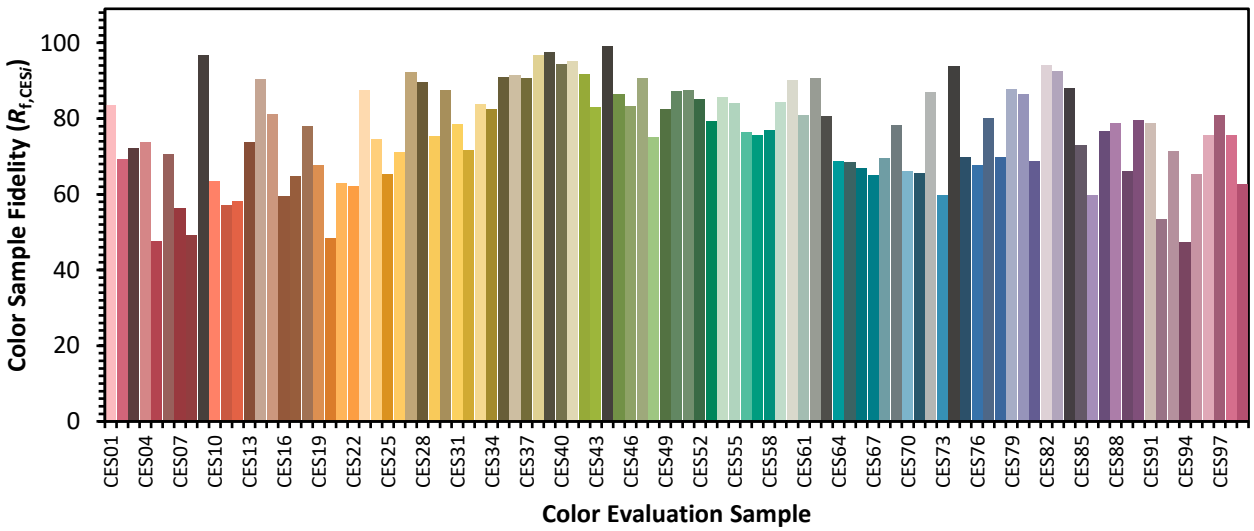


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

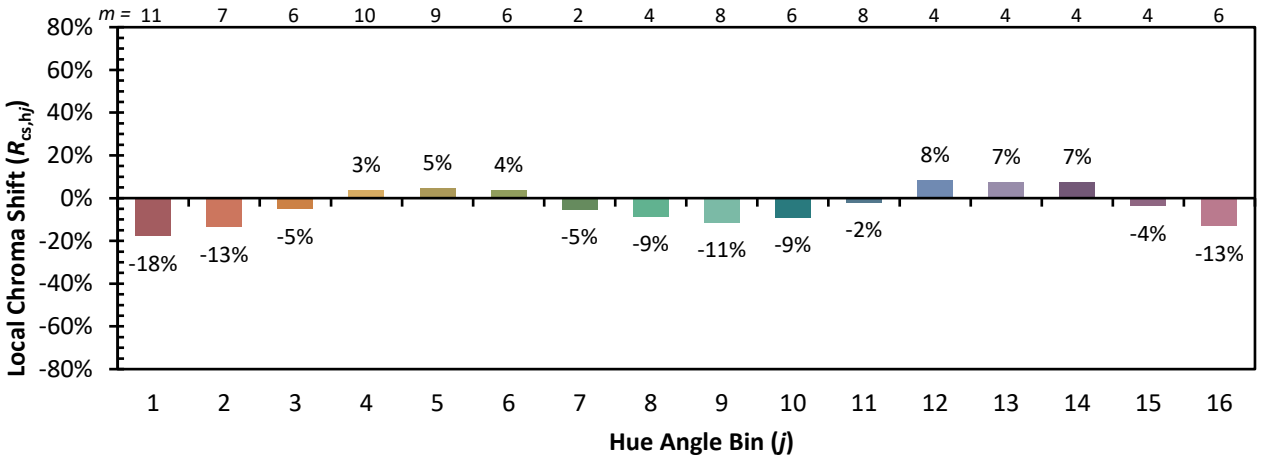
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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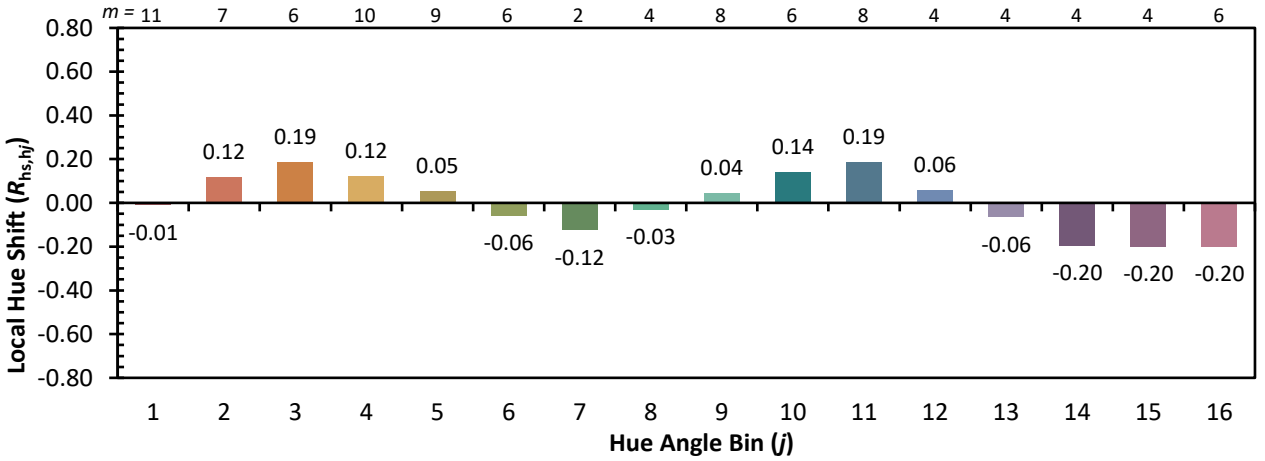


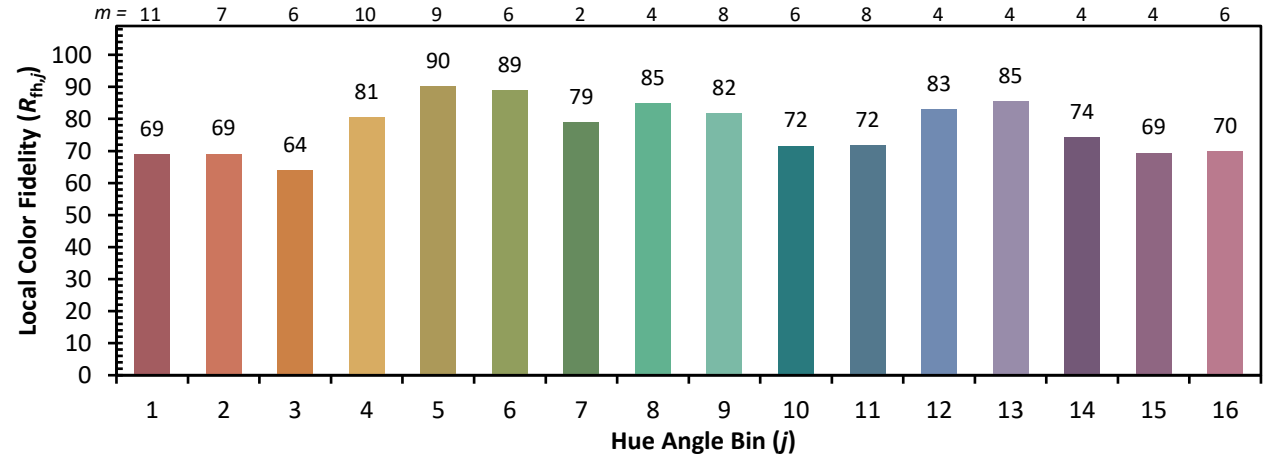
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Color Rendition by Hue-Angle Bin



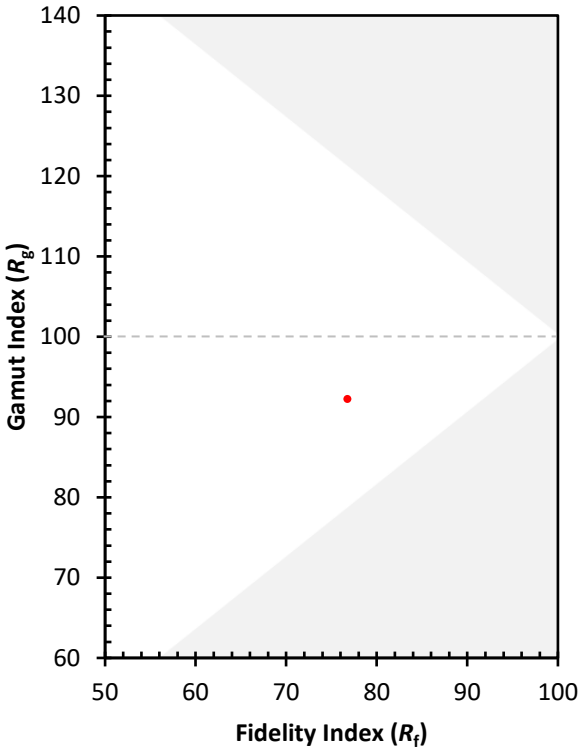


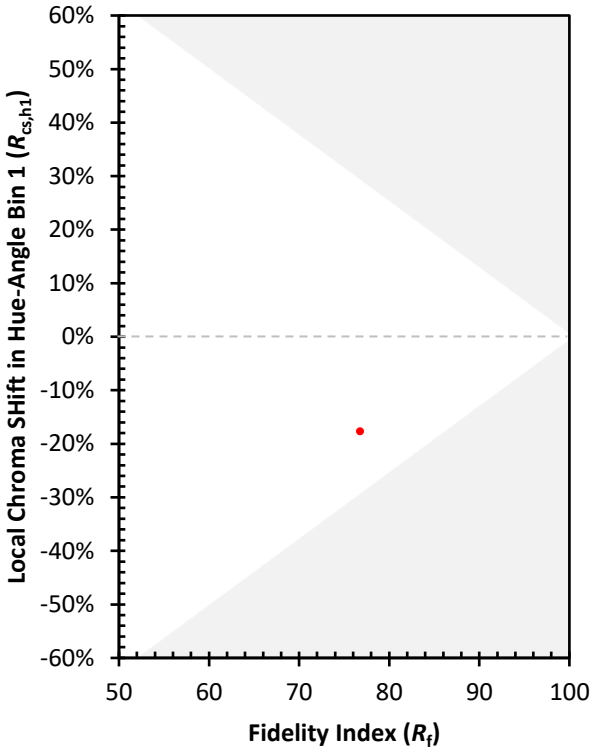


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Measure Comparisons





(END OF REPORT)