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: P1045977

Luminaire Tested: **FFX-CLB-80-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045977
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8663.4 lumens
Efficiency:	N/A
Efficacy:	105.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
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

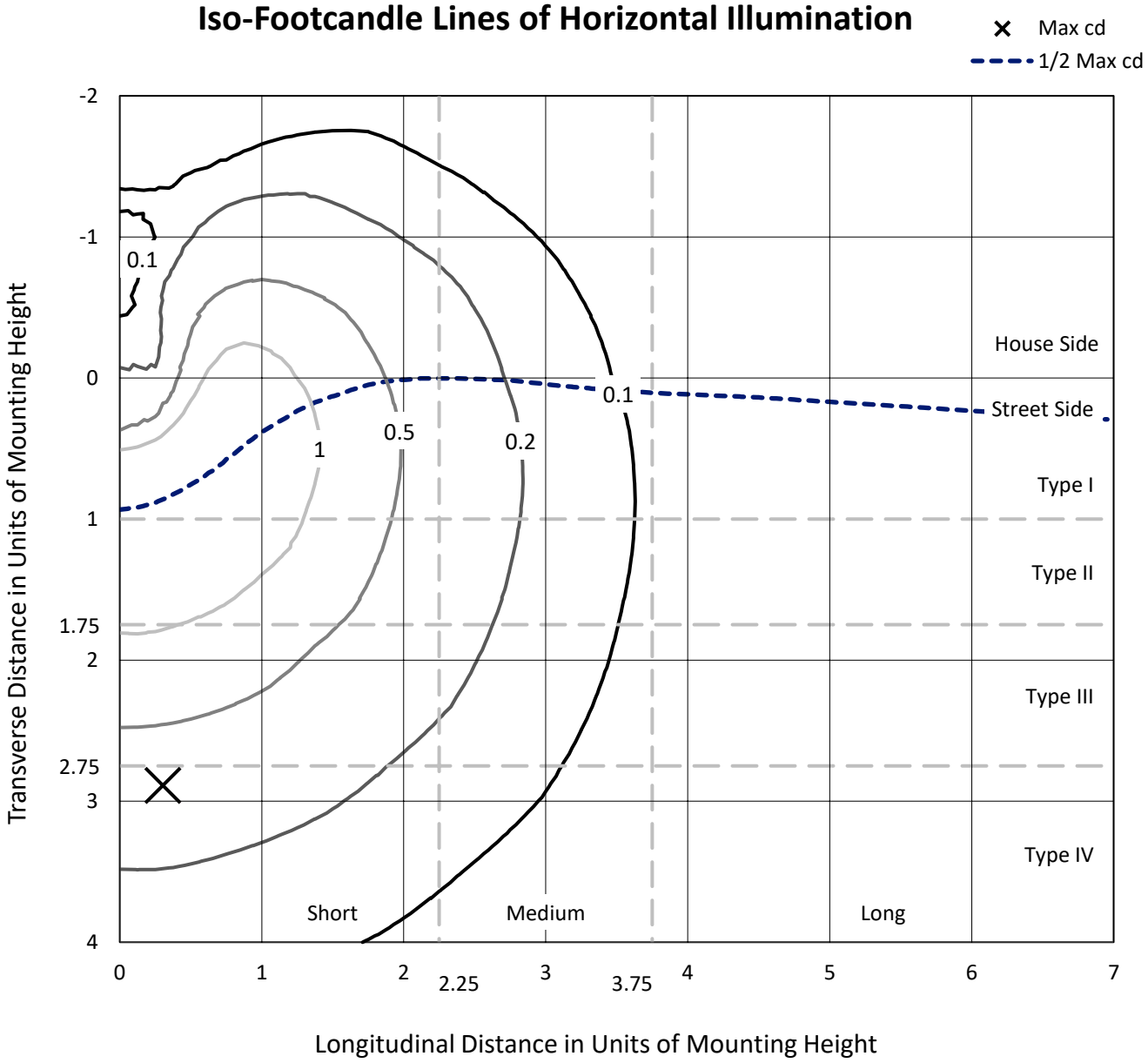


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Iso-Footcandle Lines of Horizontal Illumination



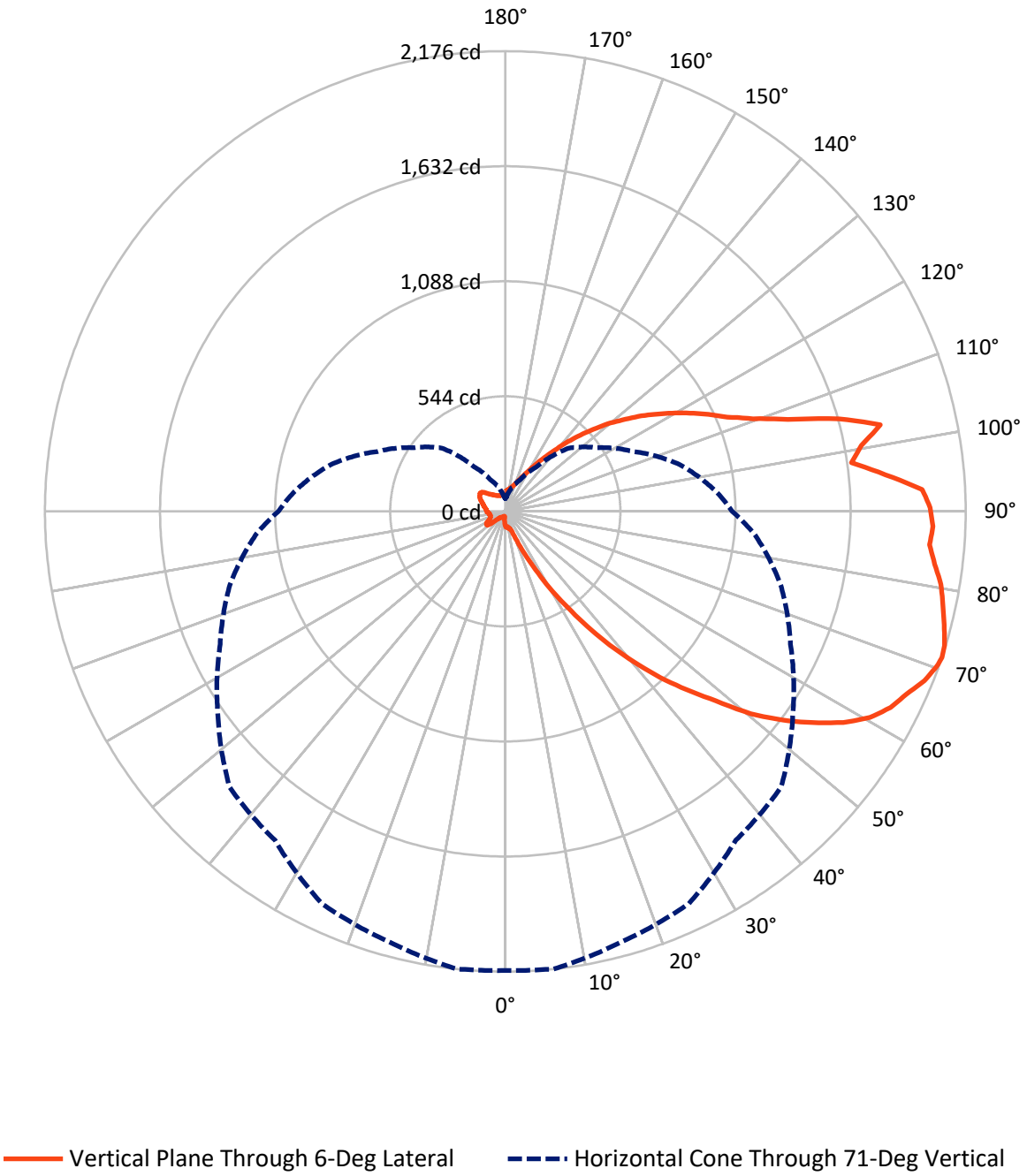
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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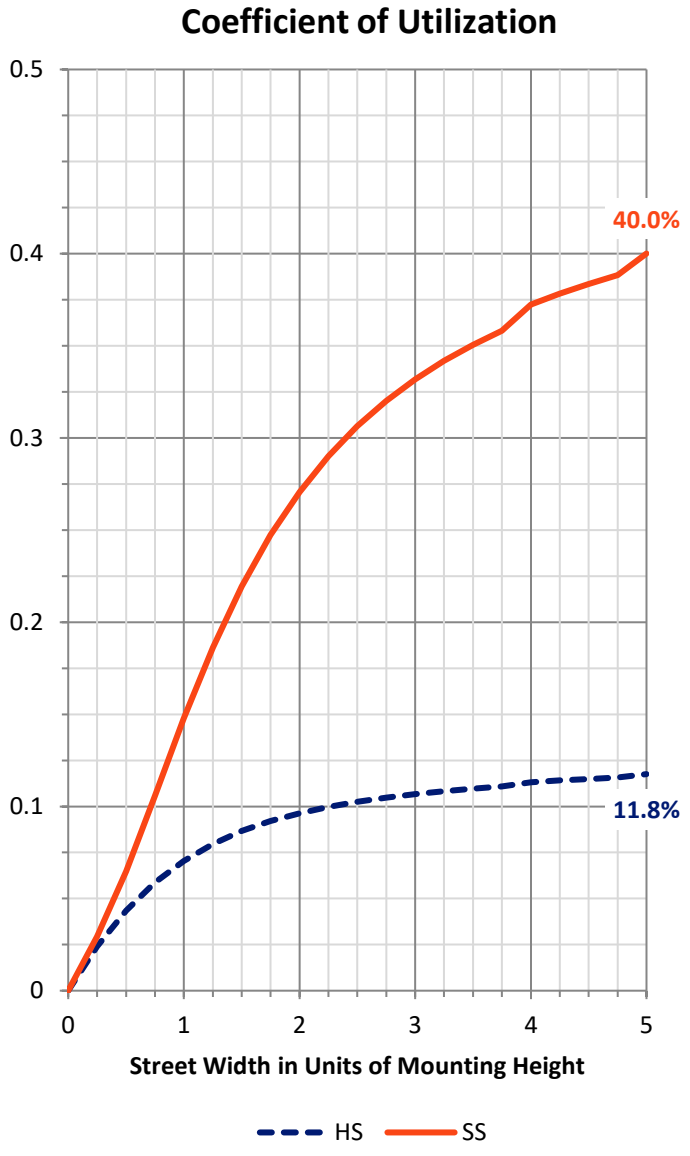
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.4	882.2	1994.7
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	4058.1	2610.6	6668.7
	% Fixture	46.8	30.1	77.0
Total	Lumens	5170.6	3492.8	8663.4
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	18.1	0.2
20°-30°	82.3	0.9
30°-40°	275.1	3.2
40°-50°	560.5	6.5
50°-60°	862.4	10.0
60°-70°	1073.2	12.4
70°-80°	1147.7	13.2
80°-90°	1145.7	13.2
90°-100°	1035.4	12.0
100°-110°	905.7	10.5
110°-120°	617.3	7.1
120°-130°	436.1	5.0
130°-140°	264.3	3.1
140°-150°	134.0	1.5
150°-160°	62.5	0.7
160°-170°	28.6	0.3
170°-180°	8.9	0.1
0°-90°	5170.6	59.7
0°-180°	8663.4	100.0



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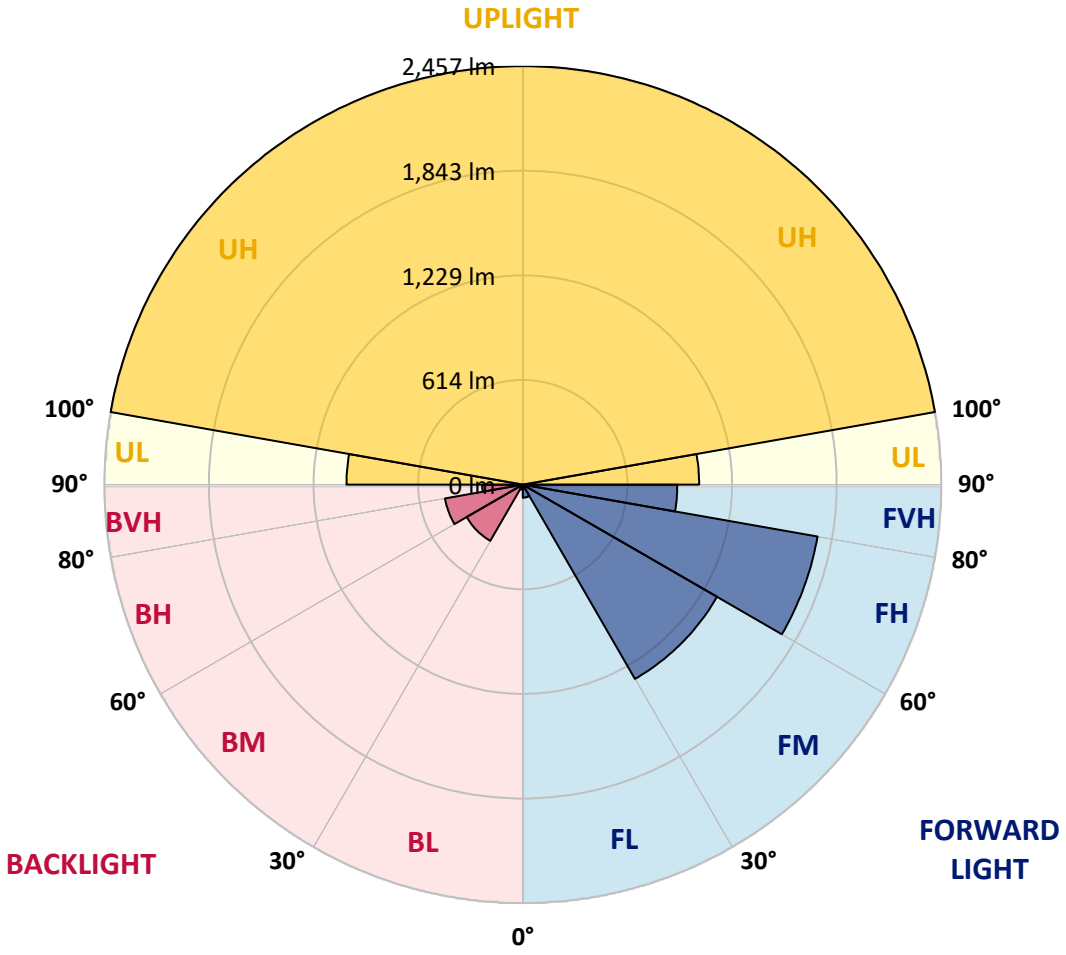
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	76.6	0.9			
FM	(30°-60°)	1317.1	15.2			
FH	(60°-80°)	1757.1	20.3			G1/1800
FVH	(80°-90°)	907.3	10.5			G5
BL	(0°-30°)	29.4	0.3	B0/110		
BM	(30°-60°)	381.0	4.4	B1/1000		
BH	(60°-80°)	463.7	5.4	B1/500		G1/500
BVH	(80°-90°)	238.4	2.8			G3/500
UL	(90°-100°)	1035.4	12.0		U5	
UH	(100°-180°)	2457.4	28.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2.5°	76.2	76.2	76.2	76.2	76.2	76.2	75.3	73.4	72.4	71.5	70.6
5°	72.4	72.4	72.4	72.4	72.4	72.4	72.4	71.5	70.6	68.7	66.8
7.5°	72.4	72.4	72.4	72.4	71.5	70.6	69.6	68.7	67.7	64.0	60.2
10°	79.0	80.0	79.0	79.0	76.2	73.4	71.5	68.7	66.8	64.9	60.2
12.5°	83.7	83.7	83.7	82.8	80.9	79.0	75.3	70.6	66.8	63.0	59.3
15°	86.6	86.6	86.6	86.6	84.7	81.9	79.0	75.3	71.5	66.8	62.1
17.5°	97.8	97.8	97.8	96.9	95.0	93.1	91.3	89.4	86.6	81.9	77.1
20°	128.9	131.7	130.8	127.9	126.1	124.2	125.1	123.2	121.4	114.8	107.3
22.5°	178.8	182.5	181.6	182.5	179.7	177.8	176.9	178.8	175.0	165.6	151.5
25°	251.2	251.2	248.4	255.9	256.8	247.4	249.3	248.4	245.6	228.6	206.0
27.5°	332.1	330.2	329.3	341.5	343.4	339.6	343.4	336.8	327.4	308.6	280.4
30°	426.2	433.7	437.5	439.4	445.0	448.8	453.5	447.8	422.4	399.8	360.3
32.5°	545.7	541.0	540.0	559.8	570.1	571.1	582.4	566.4	538.1	495.8	444.1
35°	677.4	666.1	668.0	680.2	697.1	709.4	717.8	686.8	657.6	602.1	534.4
37.5°	801.6	802.5	801.6	806.3	838.3	842.0	843.9	809.1	766.8	709.4	624.7
40°	928.6	930.5	935.2	950.2	984.1	977.5	962.4	931.4	876.8	811.9	712.2
42.5°	1059.3	1071.6	1074.4	1081.9	1105.4	1103.6	1078.2	1043.4	980.3	899.4	787.5
45°	1199.5	1197.6	1202.4	1212.7	1231.5	1231.5	1186.4	1135.6	1066.9	975.6	855.2
47.5°	1332.2	1346.3	1337.8	1363.2	1353.8	1360.4	1283.3	1221.2	1145.9	1037.7	911.6
50°	1499.6	1507.2	1504.4	1501.5	1473.3	1473.3	1394.3	1310.5	1225.9	1097.9	968.1
52.5°	1641.7	1644.5	1639.8	1628.5	1589.0	1575.9	1482.7	1385.8	1296.4	1168.5	1022.7
55°	1773.4	1754.6	1763.1	1745.2	1683.1	1669.0	1580.6	1443.2	1358.5	1219.3	1069.7
57.5°	1870.3	1880.7	1883.5	1844.9	1782.8	1725.4	1666.2	1511.9	1405.6	1267.3	1100.7
60°	1953.1	1981.3	1979.5	1921.1	1866.6	1764.0	1731.1	1572.1	1436.6	1309.6	1134.6
62.5°	2015.2	2045.3	2043.4	1996.4	1947.5	1803.5	1766.8	1607.8	1455.4	1331.2	1160.0
65°	2076.4	2090.5	2083.9	2065.1	2006.7	1840.2	1800.7	1623.8	1471.4	1340.7	1169.4
67.5°	2138.5	2137.5	2136.6	2110.2	2047.2	1874.1	1828.0	1647.4	1487.4	1351.0	1176.0
70°	2169.5	2171.4	2170.4	2114.9	2056.6	1896.7	1843.0	1659.6	1491.2	1351.0	1181.7
71°	2171.4	2174.2	2176.1	2109.3	2048.1	1898.5	1844.0	1659.6	1487.4	1348.2	1178.8
72.5°	2158.2	2172.3	2170.4	2095.2	2035.9	1895.7	1837.4	1652.1	1481.8	1336.9	1170.4
75°	2129.0	2154.4	2143.2	2067.0	2004.9	1876.9	1819.5	1644.5	1467.7	1321.8	1162.8
77.5°	2103.6	2132.8	2114.0	2043.4	1987.9	1863.7	1810.1	1646.4	1457.3	1312.4	1160.0
80°	2086.7	2102.7	2087.7	2029.3	1973.8	1848.7	1803.5	1647.4	1454.5	1307.7	1151.5
82.5°	2061.3	2054.7	2044.4	1998.3	1941.8	1821.4	1777.2	1632.3	1447.9	1298.3	1142.1
85°	2038.7	2011.4	2011.4	1970.1	1912.7	1799.8	1746.1	1614.4	1436.6	1288.9	1130.9
87.5°	2051.9	2015.2	2022.7	1983.2	1920.2	1802.6	1740.5	1612.5	1441.3	1290.8	1124.3
90°	2038.7	2003.9	2007.7	1966.3	1892.9	1773.4	1698.2	1574.9	1411.2	1264.4	1100.7
92.5°	2016.2	1979.5	1973.8	1931.5	1857.2	1744.3	1665.2	1550.5	1387.7	1243.7	1092.3
95°	1842.1	1815.8	1804.5	1774.4	1717.0	1618.2	1556.1	1446.0	1284.2	1152.5	1021.7
97.5°	1663.3	1668.1	1652.1	1616.3	1553.3	1476.1	1407.4	1302.1	1165.7	1051.8	924.8
100°	1733.9	1727.3	1711.3	1663.3	1597.5	1510.9	1430.0	1328.4	1195.8	1093.2	953.0
102.5°	1811.1	1826.1	1819.5	1759.3	1685.0	1615.4	1554.2	1452.6	1306.8	1198.6	1049.0
105°	1600.3	1630.4	1637.0	1590.0	1535.4	1477.1	1423.4	1351.9	1225.9	1114.9	997.3
107.5°	1395.2	1399.9	1404.6	1368.9	1341.6	1289.8	1236.2	1171.3	1075.3	990.7	875.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1253.2	1257.9	*1250.3*	1235.3	1207.1	1167.5	1108.3	1063.1	979.4	907.9	803.4
112.5°	1140.3	1145.0	*1139.3*	1120.5	1095.1	1064.1	1002.0	964.3	892.8	826.0	731.9
115°	1067.8	1073.5	*1064.1*	1044.3	1022.7	1005.7	952.1	896.6	831.7	772.4	691.5
117.5°	999.1	1010.4	*988.8*	983.1	967.2	950.2	889.1	840.1	783.7	730.1	665.2
120°	923.9	933.3	*915.4*	908.8	899.4	882.5	825.1	780.9	735.7	687.7	625.6
122.5°	863.7	850.5	*842.0*	842.0	830.7	819.4	760.2	723.5	687.7	647.3	583.3
125°	795.0	777.1	*773.3*	779.9	765.8	750.8	703.7	670.8	643.5	603.1	540.0
127.5°	717.8	700.9	*700.9*	703.7	695.3	680.2	649.2	621.9	604.9	561.7	498.6
130°	645.4	636.0	*637.9*	631.3	622.8	610.6	588.0	568.2	554.1	510.9	465.7
132.5°	558.8	569.2	*569.2*	557.9	556.0	546.6	528.7	519.3	497.7	461.9	424.3
135°	497.7	506.2	*505.2*	494.9	493.9	488.3	475.1	466.6	445.9	415.8	384.8
137.5°	445.9	445.9	*444.1*	437.5	433.7	432.8	420.5	412.1	392.3	371.6	346.2
140°	395.1	386.7	*383.8*	384.8	379.1	378.2	367.9	357.5	348.1	328.3	307.6
142.5°	342.5	336.8	*334.0*	330.2	328.3	325.5	318.9	310.5	301.1	287.9	269.1
145°	292.6	292.6	*290.7*	286.9	286.9	283.2	276.6	271.9	263.4	249.3	234.3
147.5°	254.0	251.2	*251.2*	250.3	247.4	245.6	239.9	233.3	227.7	216.4	202.3
150°	218.3	218.3	*216.4*	218.3	216.4	213.6	209.8	204.2	197.6	189.1	177.8
152.5°	190.0	191.0	*189.1*	191.9	190.0	188.2	183.5	179.7	172.2	164.6	157.1
155°	169.3	170.3	*169.3*	168.4	168.4	165.6	163.7	158.1	153.4	146.8	140.2
157.5°	150.5	151.5	*151.5*	151.5	151.5	148.6	144.9	141.1	137.4	131.7	126.1
160°	138.3	137.4	*137.4*	136.4	135.5	134.5	131.7	127.9	125.1	120.4	115.7
162.5°	126.1	126.1	*126.1*	125.1	124.2	123.2	121.4	117.6	114.8	111.0	107.3
165°	117.6	117.6	*117.6*	117.6	115.7	114.8	112.9	110.1	108.2	104.4	100.7
167.5°	112.0	112.0	*112.0*	111.0	110.1	109.1	108.2	105.4	103.5	100.7	97.8
170°	107.3	107.3	*107.3*	107.3	106.3	104.4	103.5	101.6	99.7	97.8	95.0
172.5°	102.5	102.5	*102.5*	102.5	101.6	101.6	100.7	98.8	97.8	95.0	94.1
175°	98.8	98.8	*98.8*	98.8	97.8	97.8	96.9	96.0	95.0	94.1	92.2
177.5°	96.0	96.0	*96.0*	96.0	95.0	95.0	95.0	94.1	93.1	92.2	92.2
180°	92.2	92.2	*92.2*	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2.5°	70.6	70.6	68.7	67.7	66.8	64.9	63.0	60.2	60.2	60.2	59.3
5°	65.9	64.9	63.0	60.2	59.3	58.3	56.4	52.7	48.0	44.2	44.2
7.5°	61.2	56.4	51.7	49.9	47.0	42.3	37.6	32.0	25.4	24.5	24.5
10°	57.4	54.6	48.9	44.2	39.5	38.6	34.8	29.2	26.3	23.5	23.5
12.5°	56.4	54.6	48.0	42.3	36.7	33.9	31.0	28.2	25.4	23.5	23.5
15°	59.3	57.4	50.8	44.2	37.6	33.9	30.1	27.3	26.3	25.4	25.4
17.5°	74.3	71.5	62.1	51.7	43.3	37.6	32.9	30.1	29.2	28.2	28.2
20°	100.7	96.0	82.8	68.7	55.5	43.3	36.7	32.0	31.0	30.1	30.1
22.5°	143.0	134.5	112.0	90.3	70.6	54.6	42.3	33.9	31.0	30.1	30.1
25°	194.7	183.5	150.5	118.5	89.4	69.6	51.7	38.6	31.0	29.2	29.2
27.5°	263.4	243.7	199.5	159.0	119.5	88.4	64.9	46.1	33.9	29.2	28.2
30°	335.9	311.4	255.0	201.3	151.5	111.0	80.0	55.5	38.6	29.2	28.2
32.5°	414.9	382.0	319.9	253.1	188.2	137.4	97.8	64.9	44.2	31.0	29.2
35°	495.8	459.1	382.0	307.6	225.8	163.7	116.7	75.3	48.0	32.9	31.0
37.5°	577.7	536.3	452.5	356.6	262.5	191.0	135.5	86.6	51.7	34.8	32.9
40°	659.5	609.6	517.4	402.7	298.2	218.3	153.4	96.0	54.6	37.6	36.7
42.5°	723.5	672.7	571.1	441.2	335.9	242.7	171.2	103.5	57.4	42.3	40.5
45°	781.8	728.2	616.2	476.0	365.0	271.9	191.9	115.7	63.0	48.0	46.1
47.5°	841.1	788.4	663.3	509.9	393.3	301.1	216.4	128.9	78.1	62.1	61.2
50°	892.8	834.5	714.1	556.0	429.0	328.3	241.8	144.9	92.2	90.3	91.3
52.5°	942.7	884.4	757.3	589.9	453.5	361.3	266.2	151.5	104.4	106.3	108.2
55°	998.2	930.5	792.2	616.2	467.6	382.9	280.4	157.1	115.7	108.2	106.3
57.5°	1035.8	957.7	820.4	645.4	482.6	396.1	281.3	163.7	125.1	104.4	101.6
60°	1061.2	972.8	835.4	661.4	503.3	408.3	278.5	164.6	130.8	96.0	87.5
62.5°	1078.2	992.6	848.6	665.2	519.3	417.7	277.5	160.9	128.9	85.6	79.0
65°	1085.7	1009.5	860.8	667.0	522.1	424.3	277.5	159.0	126.1	75.3	67.7
67.5°	1085.7	1015.1	865.5	670.8	520.3	426.2	269.1	164.6	122.3	71.5	62.1
70°	1080.0	1012.3	859.0	669.9	524.0	424.3	259.7	164.6	116.7	71.5	59.3
71°	*1072.5*	*1006.7*	*854.3*	*668.9*	*525.0*	*422.4*	*255.9*	*163.7*	*113.8*	*69.6*	*60.2*
72.5°	1062.2	998.2	845.8	667.0	522.1	416.8	248.4	164.6	111.0	68.7	61.2
75°	1050.9	991.6	839.2	659.5	521.2	408.3	235.2	161.8	110.1	69.6	63.0
77.5°	1047.1	992.6	835.4	657.6	521.2	403.6	225.8	159.9	108.2	70.6	66.8
80°	1038.7	990.7	827.9	652.9	519.3	395.1	223.0	159.9	106.3	71.5	68.7
82.5°	1030.2	986.0	821.3	648.2	516.5	383.8	220.1	159.0	104.4	74.3	72.4
85°	1022.7	985.0	821.3	645.4	515.6	377.3	219.2	158.1	103.5	77.1	75.3
87.5°	1022.7	989.7	829.8	652.9	524.0	377.3	223.0	159.9	104.4	80.9	80.0
90°	1003.8	969.0	816.6	648.2	526.9	378.2	226.7	164.6	108.2	84.7	82.8
92.5°	998.2	959.6	812.9	652.9	530.6	378.2	231.4	169.3	111.0	86.6	84.7
95°	936.1	892.8	764.9	620.0	507.1	367.9	233.3	168.4	112.9	87.5	86.6
97.5°	849.5	802.5	682.1	551.3	448.8	330.2	212.6	158.1	112.0	90.3	88.4
100°	878.7	823.2	697.1	560.7	441.2	323.6	208.9	153.4	114.8	94.1	92.2
102.5°	959.6	899.4	766.8	620.9	480.8	357.5	233.3	162.8	120.4	98.8	96.0
105°	911.6	844.8	740.4	601.2	468.5	357.5	234.3	165.6	126.1	102.5	100.7
107.5°	805.3	743.2	652.0	535.3	429.0	330.2	222.0	160.9	130.8	107.3	104.4

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

Scaled Data Report

REPORT NUMBER: P1045977
CATALOG NUMBER: FFX-CLB-80-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	744.2	677.4	593.6	488.3	398.9	306.7	213.6	158.1	133.6	112.9	109.1
112.5°	679.3	621.9	541.0	448.8	371.6	283.2	207.9	157.1	135.5	118.5	114.8
115°	642.6	583.3	513.7	424.3	353.7	275.7	206.0	161.8	142.1	126.1	122.3
117.5°	610.6	561.7	499.6	405.5	341.5	272.8	209.8	167.5	146.8	132.7	127.9
120°	577.7	532.5	476.0	390.4	331.2	263.4	210.7	170.3	150.5	138.3	135.5
122.5°	557.9	507.1	451.6	377.3	318.9	256.8	209.8	174.0	151.5	141.1	141.1
125°	521.2	480.8	425.2	360.3	301.1	253.1	209.8	172.2	154.3	144.9	143.0
127.5°	480.8	454.4	398.9	341.5	288.8	243.7	204.2	172.2	153.4	144.9	144.9
130°	443.1	419.6	374.4	316.1	277.5	230.5	195.7	163.7	147.7	142.1	142.1
132.5°	400.8	385.7	343.4	291.7	255.0	214.5	184.4	151.5	138.3	133.6	133.6
135°	362.2	348.1	308.6	265.3	232.4	199.5	171.2	143.0	127.0	121.4	121.4
137.5°	326.5	313.3	278.5	241.8	211.7	184.4	158.1	134.5	118.5	112.0	112.9
140°	289.8	273.8	250.3	219.2	191.9	170.3	144.9	126.1	111.0	105.4	104.4
142.5°	256.8	244.6	223.0	196.6	173.1	156.2	133.6	117.6	105.4	99.7	98.8
145°	226.7	216.4	197.6	175.9	157.1	141.1	123.2	110.1	99.7	95.0	94.1
147.5°	194.7	188.2	174.0	157.1	141.1	127.0	114.8	102.5	96.0	90.3	89.4
150°	171.2	166.5	155.2	141.1	128.9	117.6	108.2	96.9	91.3	87.5	86.6
152.5°	152.4	147.7	138.3	127.9	117.6	109.1	100.7	93.1	87.5	84.7	83.7
155°	136.4	132.7	125.1	116.7	108.2	100.7	94.1	88.4	84.7	81.9	81.9
157.5°	124.2	120.4	114.8	107.3	100.7	94.1	89.4	84.7	82.8	80.0	80.0
160°	113.8	111.0	106.3	99.7	94.1	89.4	85.6	81.9	80.9	79.0	79.0
162.5°	105.4	103.5	98.8	94.1	90.3	86.6	83.7	80.9	79.0	78.1	78.1
165°	99.7	97.8	95.0	91.3	87.5	84.7	82.8	80.0	79.0	79.0	78.1
167.5°	96.9	95.0	92.2	88.4	85.6	84.7	82.8	80.9	80.0	80.0	79.0
170°	94.1	93.1	91.3	88.4	85.6	84.7	83.7	81.9	81.9	80.9	80.9
172.5°	93.1	92.2	90.3	88.4	86.6	85.6	84.7	83.7	83.7	83.7	82.8
175°	92.2	92.2	90.3	88.4	87.5	87.5	86.6	85.6	85.6	85.6	85.6
177.5°	92.2	91.3	91.3	90.3	89.4	89.4	89.4	88.4	88.4	88.4	88.4
180°	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

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

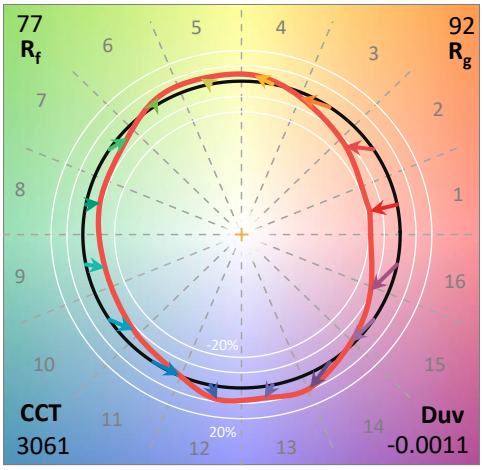
Test Information

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

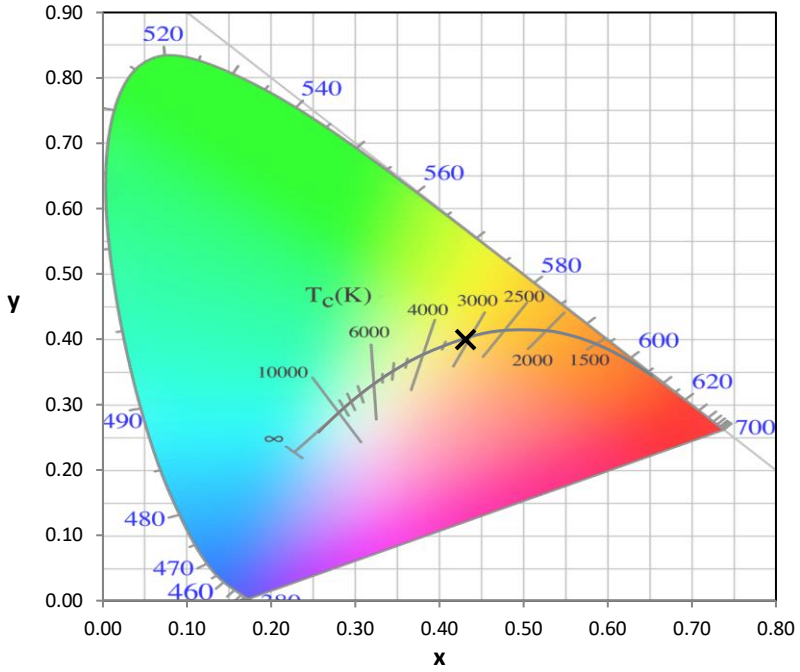
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

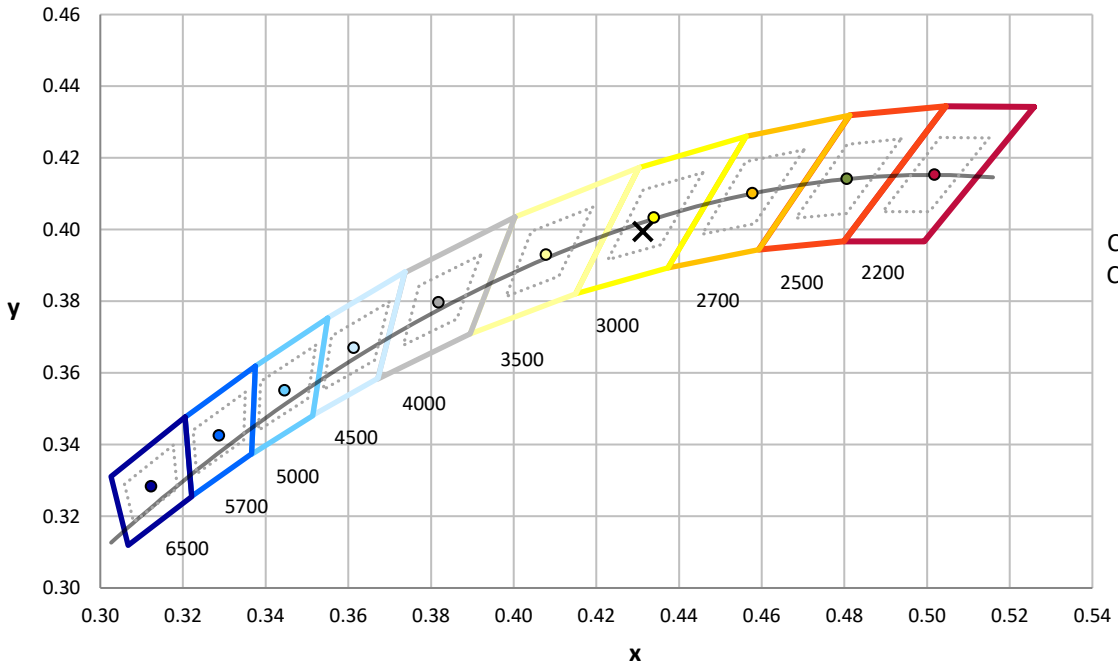
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

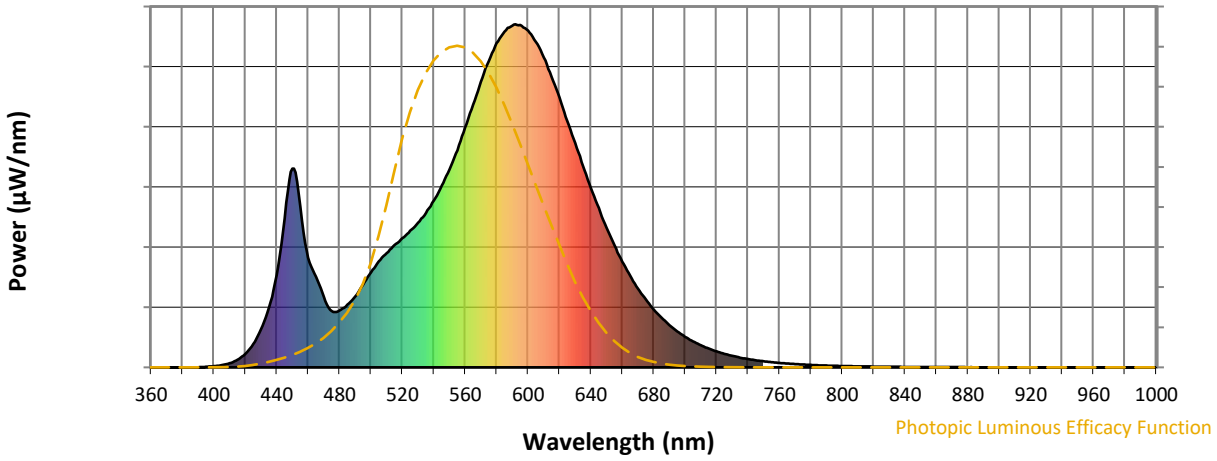


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

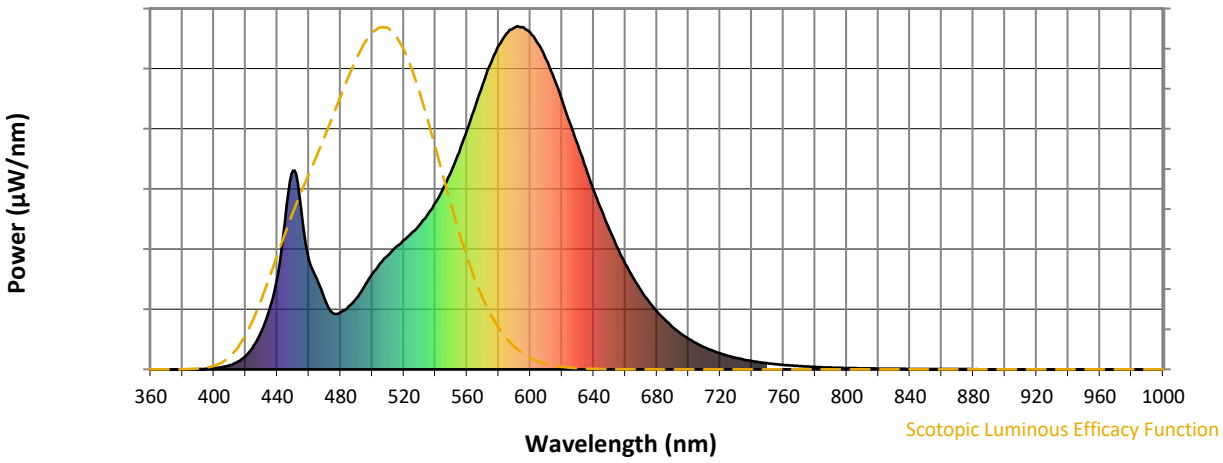


Photopic Lumens: NR

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

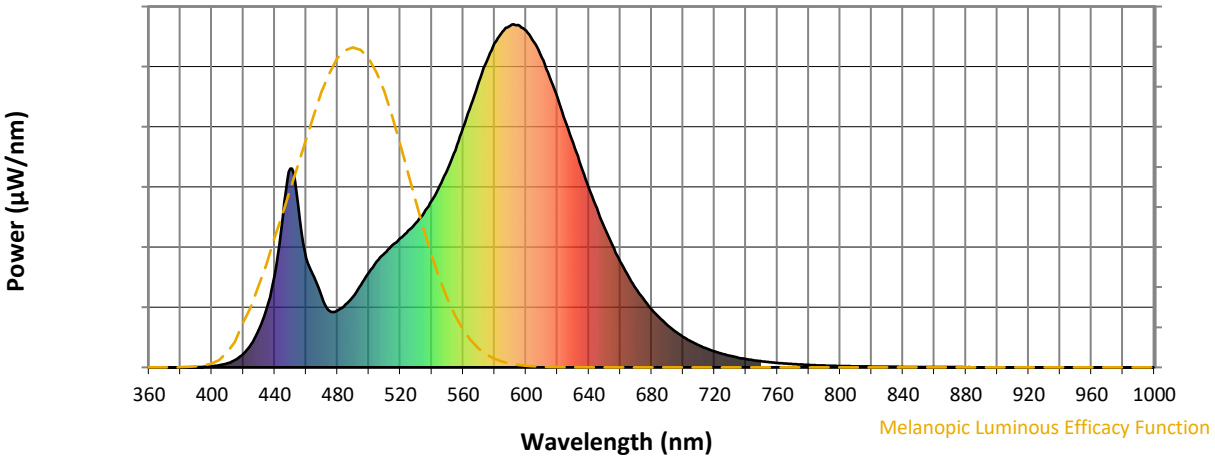


Scotopic Lumens: NR **S/P: 1.29**

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			

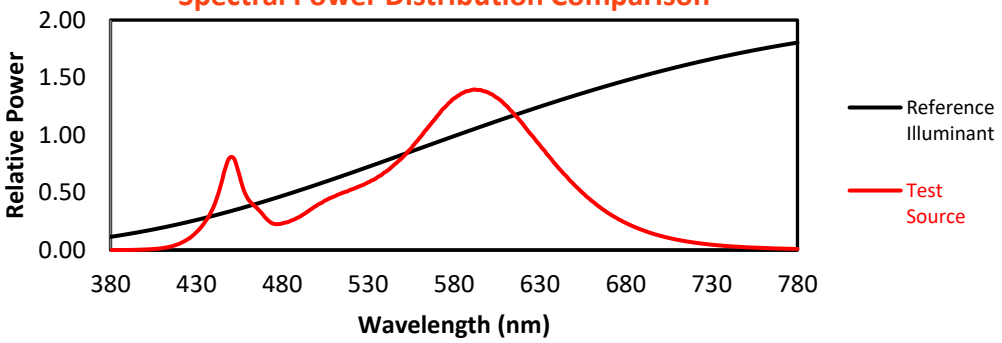
REPORT NUMBER: SP1-2501-332-4

TM-30-18

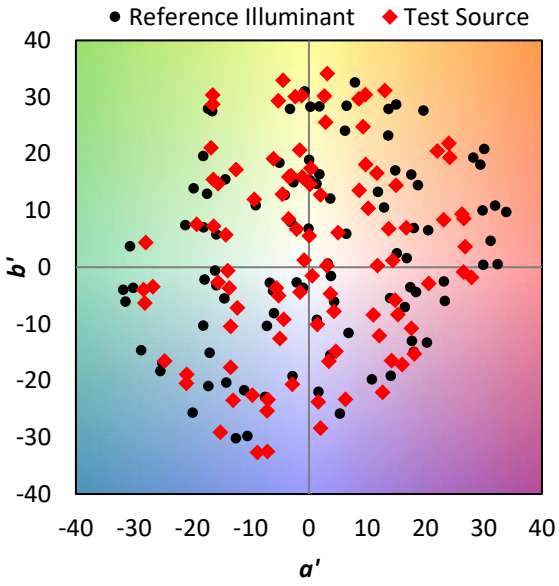
Summary

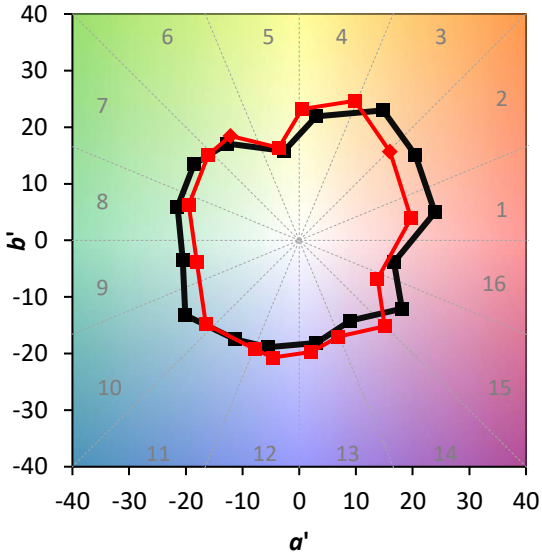
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

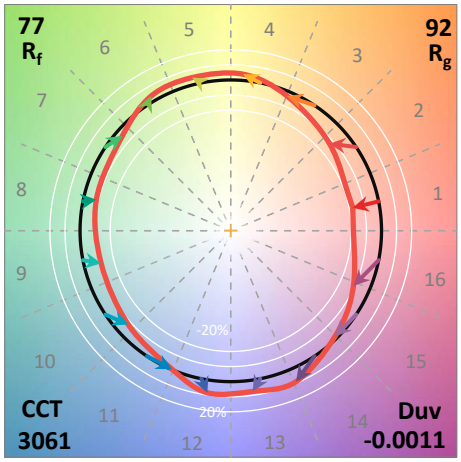
Spectral Power Distribution Comparison

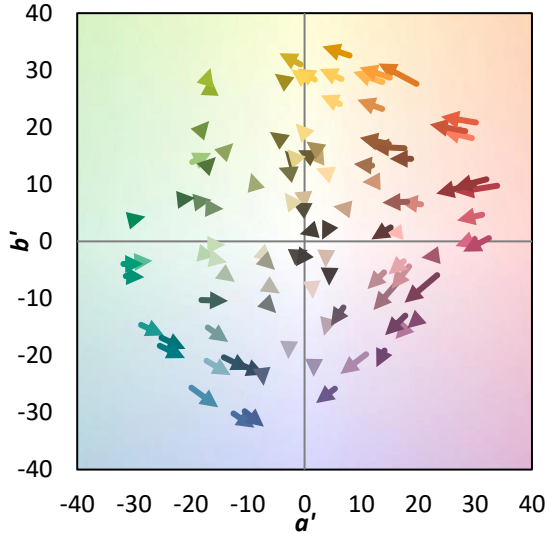


Color Vector Graphics







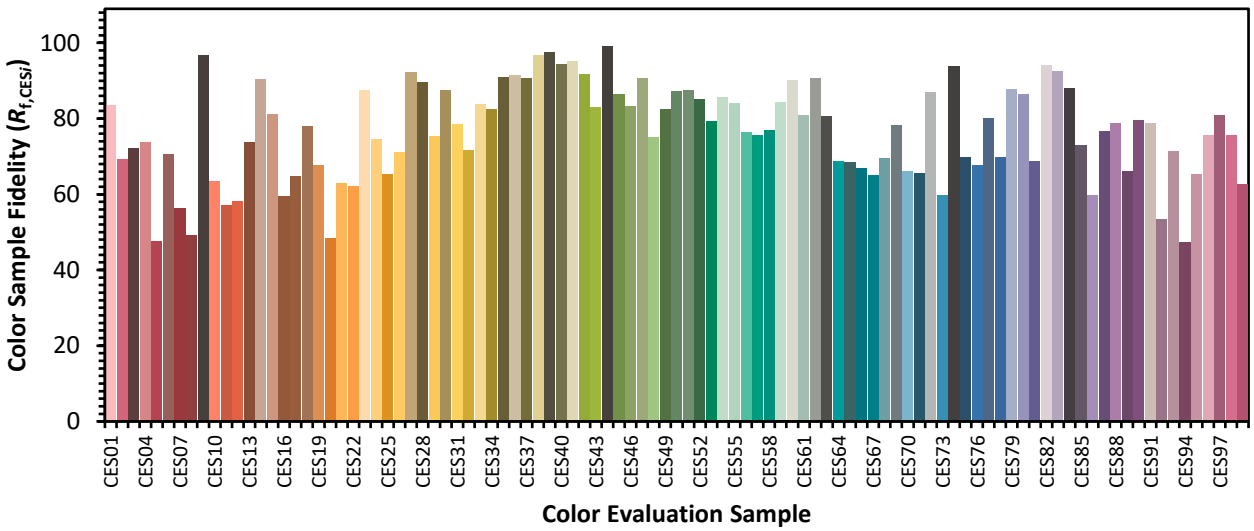


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

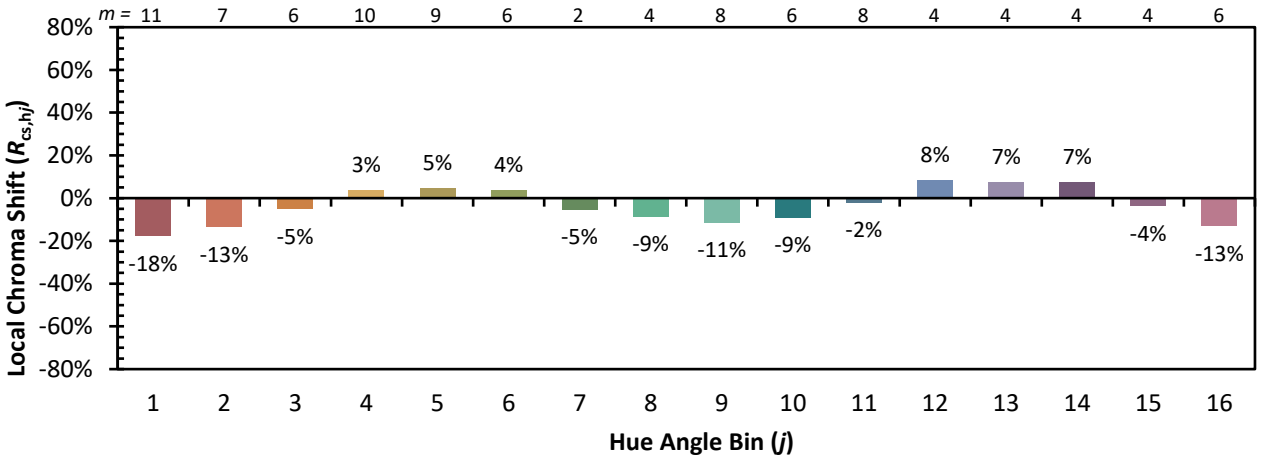
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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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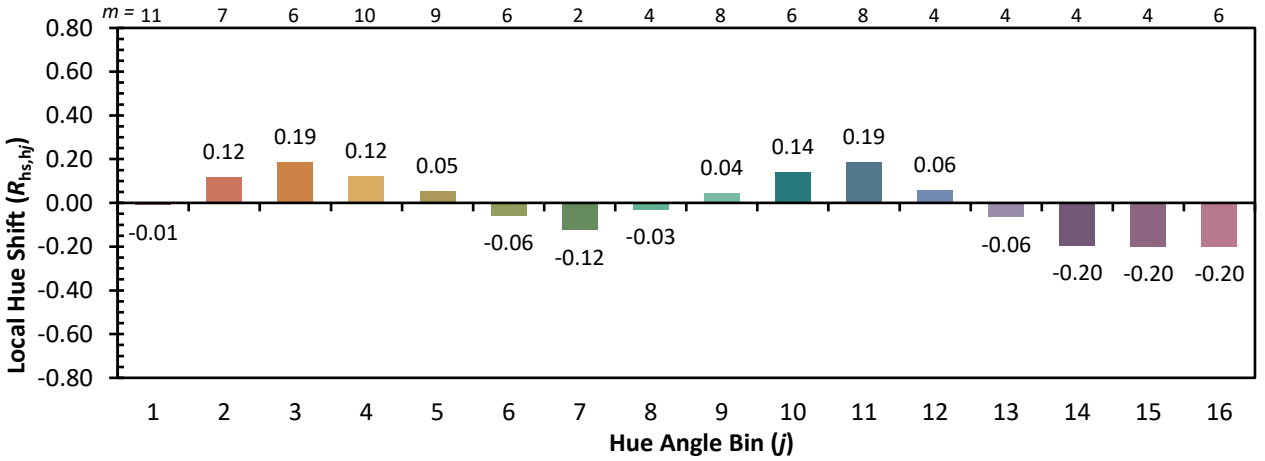


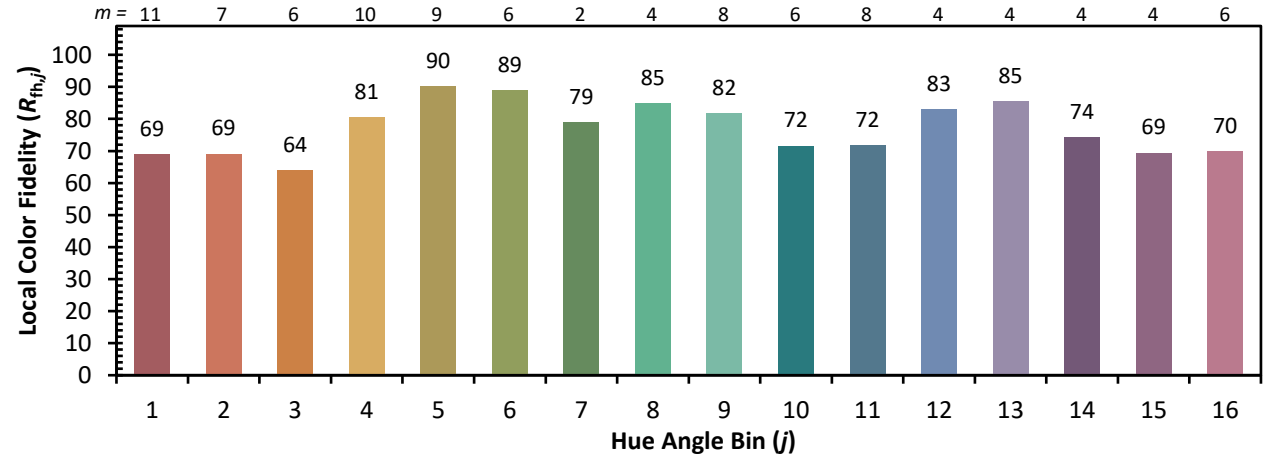
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Color Rendition by Hue-Angle Bin



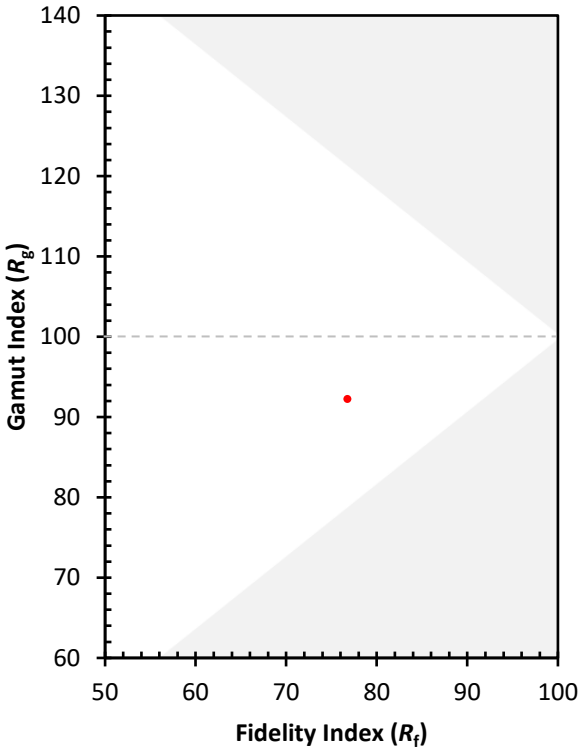


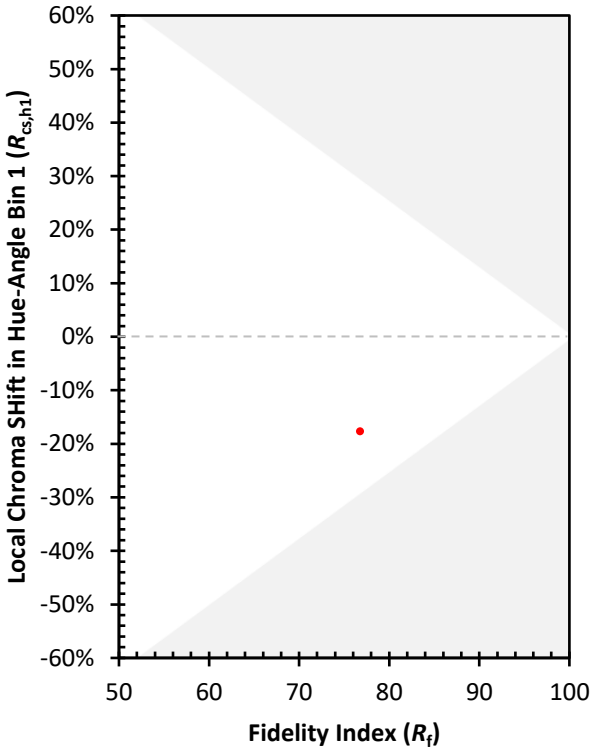


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Measure Comparisons





(END OF REPORT)