Signify Classified - Internal

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: P1045978

Luminaire Tested: **FFX-CLB-70-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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:	P1045978
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-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:	7617.9 lumens
Efficiency:	N/A
Efficacy:	107.0 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):	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

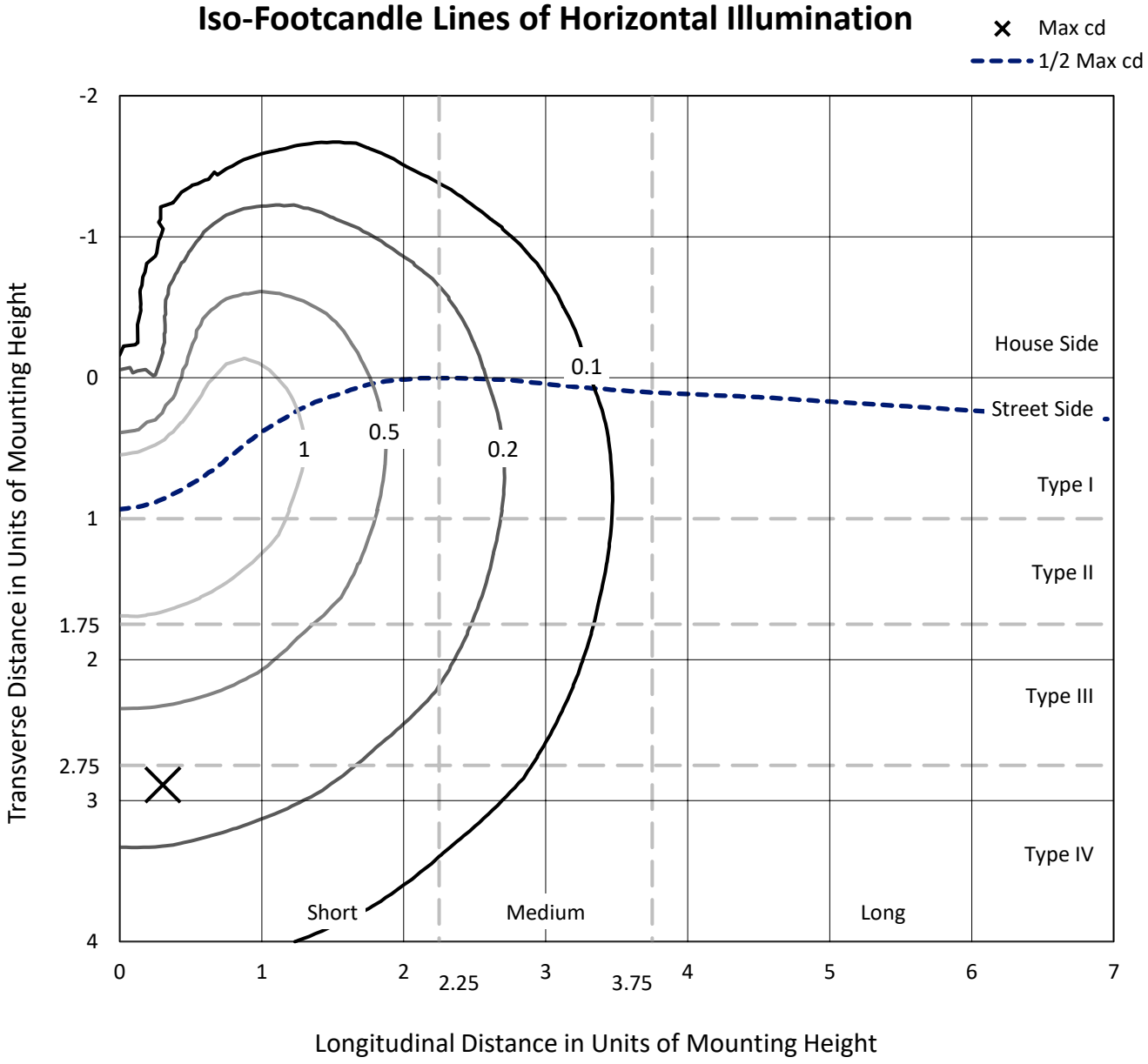


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Iso-Footcandle Lines of Horizontal Illumination



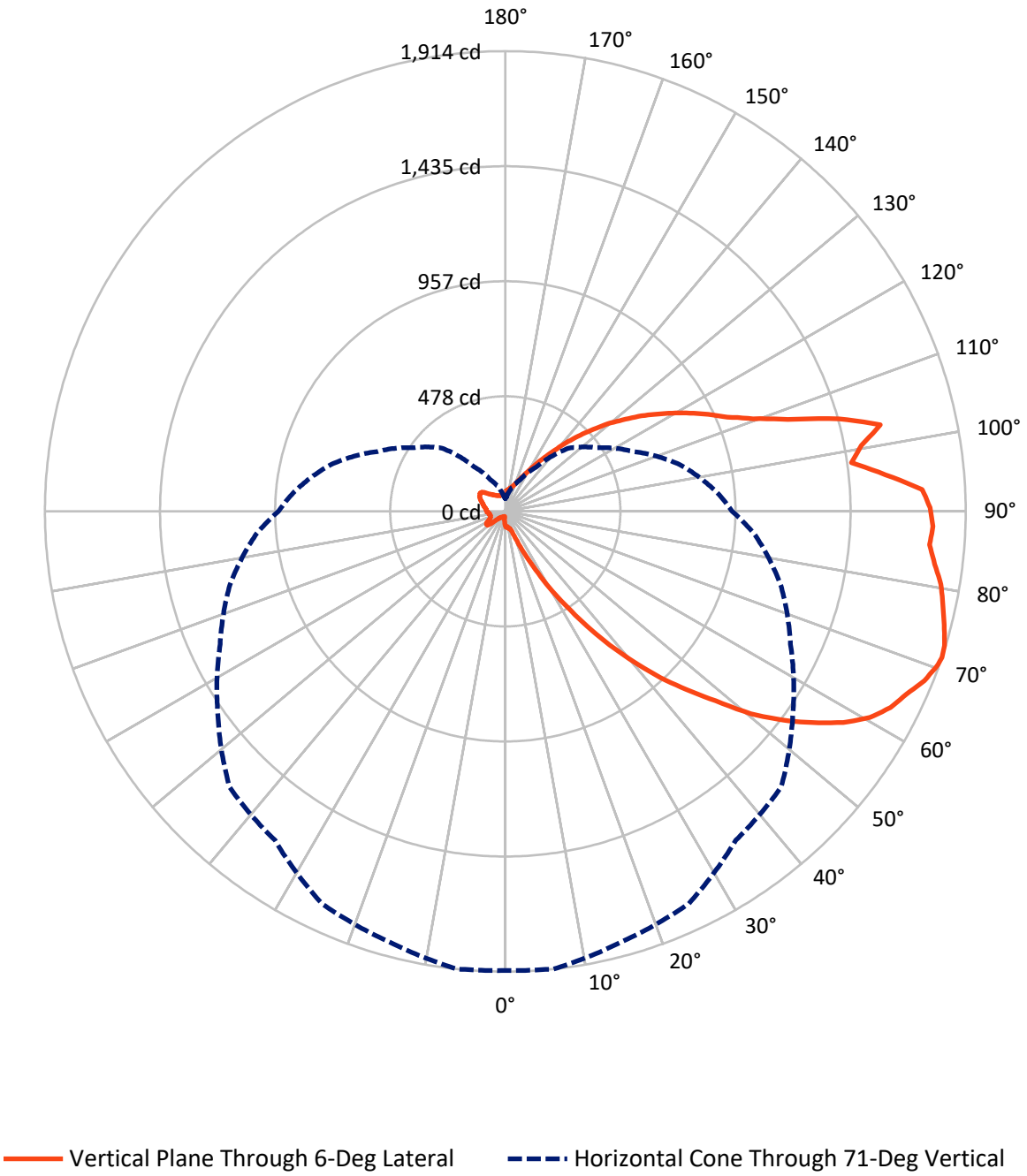
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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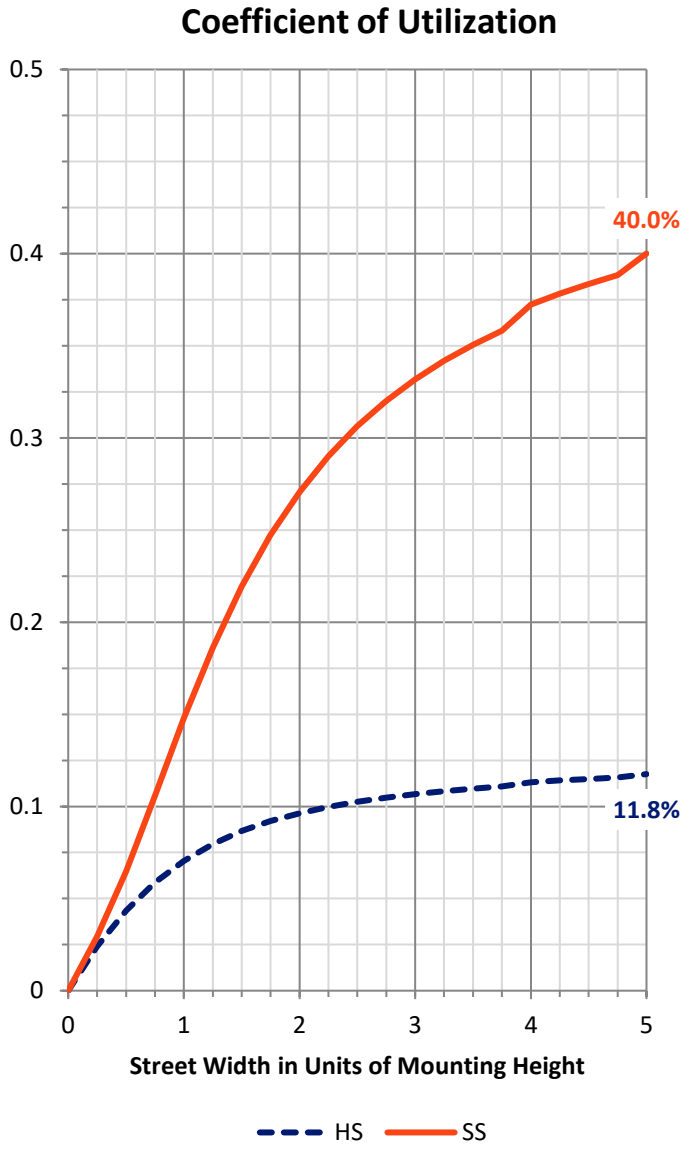
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	978.2	775.7	1754.0
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3568.4	2295.5	5864.0
	% Fixture	46.8	30.1	77.0
Total	Lumens	4546.6	3071.3	7617.9
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	15.9	0.2
20°-30°	72.3	0.9
30°-40°	241.9	3.2
40°-50°	492.9	6.5
50°-60°	758.3	10.0
60°-70°	943.7	12.4
70°-80°	1009.2	13.2
80°-90°	1007.4	13.2
90°-100°	910.5	12.0
100°-110°	796.4	10.5
110°-120°	542.8	7.1
120°-130°	383.4	5.0
130°-140°	232.4	3.1
140°-150°	117.8	1.5
150°-160°	55.0	0.7
160°-170°	25.2	0.3
170°-180°	7.8	0.1
0°-90°	4546.6	59.7
0°-180°	7617.9	100.0



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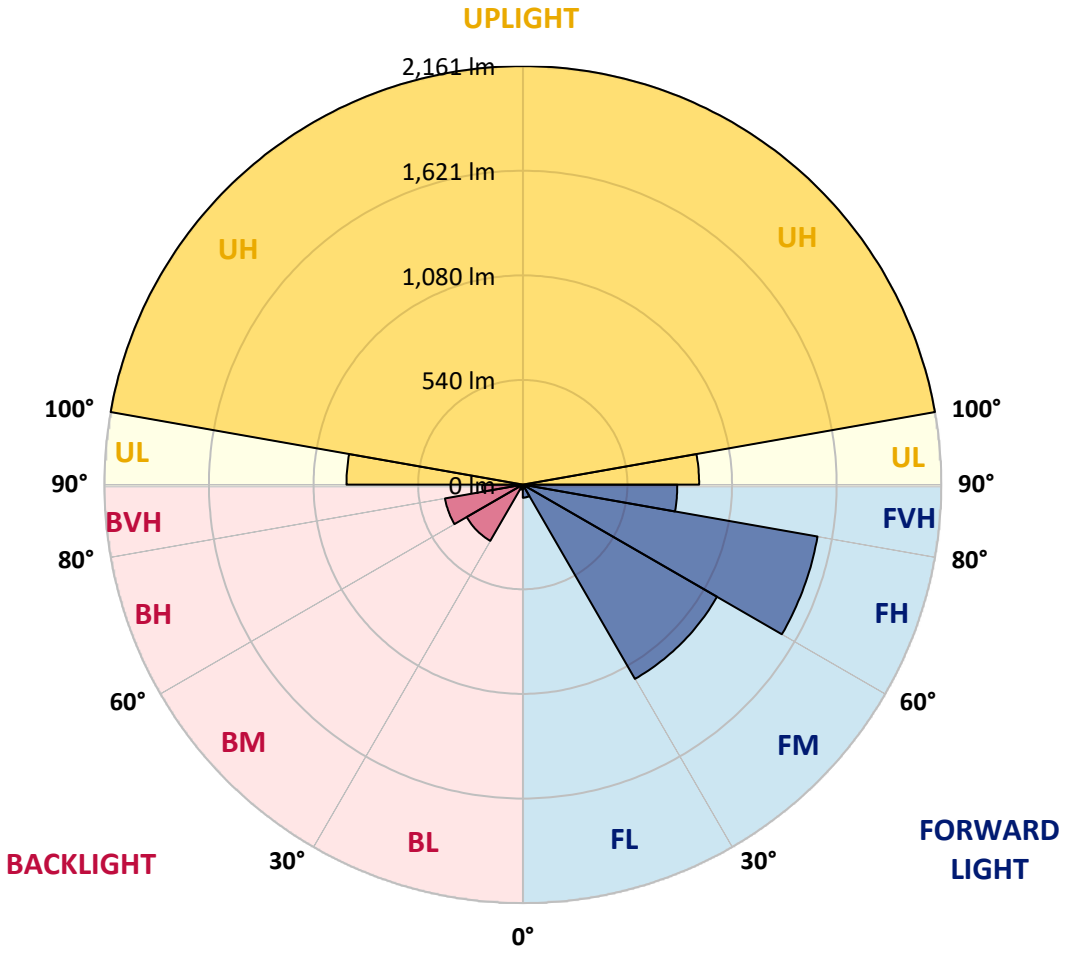
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	67.4	0.9			
FM	(30°-60°)	1158.1	15.2			
FH	(60°-80°)	1545.1	20.3			G1/1800
FVH	(80°-90°)	797.8	10.5			G5
BL	(0°-30°)	25.8	0.3	B0/110		
BM	(30°-60°)	335.0	4.4	B1/1000		
BH	(60°-80°)	407.8	5.4	B1/500		G1/500
BVH	(80°-90°)	209.6	2.8			G2/225
UL	(90°-100°)	910.5	12.0		U4/1000	
UH	(100°-180°)	2160.8	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°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2.5°	67.0	67.0	67.0	67.0	67.0	67.0	66.2	64.5	63.7	62.9	62.0
5°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	62.9	62.0	60.4	58.7
7.5°	63.7	63.7	63.7	63.7	62.9	62.0	61.2	60.4	59.6	56.3	52.9
10°	69.5	70.3	69.5	69.5	67.0	64.5	62.9	60.4	58.7	57.1	52.9
12.5°	73.6	73.6	73.6	72.8	71.1	69.5	66.2	62.0	58.7	55.4	52.1
15°	76.1	76.1	76.1	76.1	74.5	72.0	69.5	66.2	62.9	58.7	54.6
17.5°	86.0	86.0	86.0	85.2	83.6	81.9	80.2	78.6	76.1	72.0	67.8
20°	113.3	115.8	115.0	112.5	110.9	109.2	110.0	108.4	106.7	100.9	94.3
22.5°	157.2	160.5	159.7	160.5	158.0	156.4	155.5	157.2	153.9	145.6	133.2
25°	220.9	220.9	218.4	225.0	225.8	217.6	219.2	218.4	215.9	201.0	181.2
27.5°	292.0	290.4	289.5	300.3	302.0	298.6	302.0	296.2	287.9	271.3	246.5
30°	374.8	381.4	384.7	386.3	391.3	394.6	398.7	393.8	371.4	351.6	316.8
32.5°	479.8	475.7	474.9	492.2	501.3	502.2	512.1	498.0	473.2	436.0	390.5
35°	595.6	585.7	587.4	598.1	613.0	623.8	631.2	603.9	578.3	529.5	469.9
37.5°	704.8	705.7	704.8	709.0	737.1	740.4	742.1	711.5	674.2	623.8	549.3
40°	816.5	818.2	822.3	835.6	865.3	859.5	846.3	819.0	771.0	713.9	626.2
42.5°	931.5	942.3	944.8	951.4	972.1	970.4	948.1	917.5	862.0	790.9	692.4
45°	1054.8	1053.1	1057.3	1066.4	1082.9	1082.9	1043.2	998.5	938.1	857.9	752.0
47.5°	1171.4	1183.8	1176.4	1198.7	1190.5	1196.2	1128.4	1073.8	1007.6	912.5	801.6
50°	1318.7	1325.3	1322.8	1320.3	1295.5	1295.5	1226.0	1152.4	1077.9	965.4	851.3
52.5°	1443.6	1446.1	1441.9	1432.0	1397.3	1385.7	1303.8	1218.6	1140.0	1027.5	899.3
55°	1559.4	1542.9	1550.3	1534.6	1480.0	1467.6	1389.8	1269.0	1194.6	1072.2	940.6
57.5°	1644.6	1653.7	1656.2	1622.3	1567.7	1517.2	1465.1	1329.4	1236.0	1114.3	967.9
60°	1717.4	1742.2	1740.6	1689.3	1641.3	1551.1	1522.2	1382.4	1263.3	1151.6	997.7
62.5°	1772.0	1798.5	1796.8	1755.5	1712.5	1585.9	1553.6	1413.8	1279.8	1170.6	1020.0
65°	1825.8	1838.2	1832.4	1815.9	1764.6	1618.2	1583.4	1427.9	1293.9	1178.9	1028.3
67.5°	1880.4	1879.6	1878.7	1855.6	1800.2	1647.9	1607.4	1448.6	1307.9	1188.0	1034.1
70°	1907.7	1909.4	1908.5	1859.7	1808.4	1667.8	1620.6	1459.3	1311.2	1188.0	1039.1
71°	1909.4	1911.8	1913.5	1854.8	1801.0	1669.4	1621.5	1459.3	1307.9	1185.5	1036.6
72.5°	1897.8	1910.2	1908.5	1842.3	1790.2	1667.0	1615.7	1452.7	1303.0	1175.6	1029.1
75°	1872.1	1894.5	1884.5	1817.5	1762.9	1650.4	1600.0	1446.1	1290.6	1162.3	1022.5
77.5°	1849.8	1875.4	1858.9	1796.8	1748.0	1638.8	1591.7	1447.7	1281.5	1154.1	1020.0
80°	1834.9	1849.0	1835.7	1784.4	1735.6	1625.6	1585.9	1448.6	1279.0	1149.9	1012.6
82.5°	1812.6	1806.8	1797.7	1757.1	1707.5	1601.6	1562.7	1435.3	1273.2	1141.6	1004.3
85°	1792.7	1768.7	1768.7	1732.3	1681.9	1582.6	1535.4	1419.6	1263.3	1133.4	994.4
87.5°	1804.3	1772.0	1778.6	1743.9	1688.5	1585.1	1530.5	1418.0	1267.4	1135.0	988.6
90°	1792.7	1762.1	1765.4	1729.0	1664.5	1559.4	1493.2	1384.9	1240.9	1111.9	967.9
92.5°	1772.9	1740.6	1735.6	1698.4	1633.0	1533.8	1464.3	1363.4	1220.2	1093.7	960.5
95°	1619.8	1596.6	1586.7	1560.2	1509.8	1422.9	1368.3	1271.5	1129.2	1013.4	898.4
97.5°	1462.6	1466.8	1452.7	1421.3	1365.8	1298.0	1237.6	1145.0	1025.0	924.9	813.2
100°	1524.7	1518.9	1504.8	1462.6	1404.7	1328.6	1257.5	1168.1	1051.5	961.3	838.0
102.5°	1592.5	1605.7	1600.0	1547.0	1481.7	1420.4	1366.7	1277.3	1149.1	1054.0	922.4
105°	1407.2	1433.7	1439.5	1398.1	1350.1	1298.8	1251.7	1188.8	1077.9	980.3	876.9
107.5°	1226.9	1231.0	1235.1	1203.7	1179.7	1134.2	1087.0	1030.0	945.6	871.1	770.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1101.9	1106.1	*1099.5*	1086.2	1061.4	1026.7	974.5	934.8	861.2	798.3	706.5
112.5°	1002.7	1006.8	*1001.8*	985.3	963.0	935.7	881.1	848.0	785.1	726.4	643.6
115°	939.0	943.9	*935.7*	918.3	899.3	884.4	837.2	788.4	731.3	679.2	608.0
117.5°	878.6	888.5	*869.5*	864.5	850.4	835.6	781.8	738.8	689.1	642.0	584.9
120°	812.4	820.7	*804.9*	799.2	790.9	776.0	725.5	686.6	646.9	604.7	550.1
122.5°	759.4	747.9	*740.4*	740.4	730.5	720.6	668.4	636.2	604.7	569.2	512.9
125°	699.0	683.3	*680.0*	685.8	673.4	660.2	618.8	589.8	565.9	530.3	474.9
127.5°	631.2	616.3	*616.3*	618.8	611.4	598.1	570.8	546.8	531.9	493.9	438.5
130°	567.5	559.2	*560.9*	555.1	547.7	536.9	517.0	499.7	487.3	449.2	409.5
132.5°	491.4	500.5	*500.5*	490.6	488.9	480.6	464.9	456.7	437.6	406.2	373.1
135°	437.6	445.1	*444.2*	435.1	434.3	429.4	417.8	410.3	392.1	365.7	338.4
137.5°	392.1	392.1	*390.5*	384.7	381.4	380.5	369.8	362.3	345.0	326.8	304.4
140°	347.5	340.0	*337.5*	338.4	333.4	332.6	323.5	314.4	306.1	288.7	270.5
142.5°	301.1	296.2	*293.7*	290.4	288.7	286.2	280.4	273.0	264.7	253.1	236.6
145°	257.3	257.3	*255.6*	252.3	252.3	249.0	243.2	239.1	231.6	219.2	206.0
147.5°	223.4	220.9	*220.9*	220.1	217.6	215.9	211.0	205.2	200.2	190.3	177.9
150°	191.9	191.9	*190.3*	191.9	190.3	187.8	184.5	179.5	173.7	166.3	156.4
152.5°	167.1	167.9	*166.3*	168.8	167.1	165.5	161.3	158.0	151.4	144.8	138.2
155°	148.9	149.7	*148.9*	148.1	148.1	145.6	143.9	139.0	134.8	129.1	123.3
157.5°	132.4	133.2	*133.2*	133.2	133.2	130.7	127.4	124.1	120.8	115.8	110.9
160°	121.6	120.8	*120.8*	120.0	119.1	118.3	115.8	112.5	110.0	105.9	101.8
162.5°	110.9	110.9	*110.9*	110.0	109.2	108.4	106.7	103.4	100.9	97.6	94.3
165°	103.4	103.4	*103.4*	103.4	101.8	100.9	99.3	96.8	95.1	91.8	88.5
167.5°	98.4	98.4	*98.4*	97.6	96.8	96.0	95.1	92.7	91.0	88.5	86.0
170°	94.3	94.3	*94.3*	94.3	93.5	91.8	91.0	89.3	87.7	86.0	83.6
172.5°	90.2	90.2	*90.2*	90.2	89.3	89.3	88.5	86.9	86.0	83.6	82.7
175°	86.9	86.9	*86.9*	86.9	86.0	86.0	85.2	84.4	83.6	82.7	81.1
177.5°	84.4	84.4	*84.4*	84.4	83.6	83.6	83.6	82.7	81.9	81.1	81.1
180°	81.1	81.1	*81.1*	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2.5°	62.0	62.0	60.4	59.6	58.7	57.1	55.4	52.9	52.9	52.9	52.1
5°	57.9	57.1	55.4	52.9	52.1	51.3	49.6	46.3	42.2	38.9	38.9
7.5°	53.8	49.6	45.5	43.8	41.4	37.2	33.1	28.1	22.3	21.5	21.5
10°	50.5	48.0	43.0	38.9	34.7	33.9	30.6	25.6	23.2	20.7	20.7
12.5°	49.6	48.0	42.2	37.2	32.3	29.8	27.3	24.8	22.3	20.7	20.7
15°	52.1	50.5	44.7	38.9	33.1	29.8	26.5	24.0	23.2	22.3	22.3
17.5°	65.4	62.9	54.6	45.5	38.1	33.1	29.0	26.5	25.6	24.8	24.8
20°	88.5	84.4	72.8	60.4	48.8	38.1	32.3	28.1	27.3	26.5	26.5
22.5°	125.7	118.3	98.4	79.4	62.0	48.0	37.2	29.8	27.3	26.5	26.5
25°	171.2	161.3	132.4	104.2	78.6	61.2	45.5	33.9	27.3	25.6	25.6
27.5°	231.6	214.3	175.4	139.8	105.1	77.8	57.1	40.5	29.8	25.6	24.8
30°	295.3	273.8	224.2	177.0	133.2	97.6	70.3	48.8	33.9	25.6	24.8
32.5°	364.8	335.9	281.3	222.5	165.5	120.8	86.0	57.1	38.9	27.3	25.6
35°	436.0	403.7	335.9	270.5	198.5	143.9	102.6	66.2	42.2	29.0	27.3
37.5°	507.9	471.5	397.9	313.5	230.8	167.9	119.1	76.1	45.5	30.6	29.0
40°	579.9	536.1	455.0	354.1	262.2	191.9	134.8	84.4	48.0	33.1	32.3
42.5°	636.2	591.5	502.2	388.0	295.3	213.4	150.6	91.0	50.5	37.2	35.6
45°	687.5	640.3	541.9	418.6	321.0	239.1	168.8	101.8	55.4	42.2	40.5
47.5°	739.6	693.3	583.2	448.4	345.8	264.7	190.3	113.3	68.7	54.6	53.8
50°	785.1	733.8	627.9	488.9	377.2	288.7	212.6	127.4	81.1	79.4	80.2
52.5°	828.9	777.6	666.0	518.7	398.7	317.7	234.1	133.2	91.8	93.5	95.1
55°	877.7	818.2	696.6	541.9	411.2	336.7	246.5	138.2	101.8	95.1	93.5
57.5°	910.8	842.2	721.4	567.5	424.4	348.3	247.4	143.9	110.0	91.8	89.3
60°	933.2	855.4	734.6	581.6	442.6	359.0	244.9	144.8	115.0	84.4	76.9
62.5°	948.1	872.8	746.2	584.9	456.7	367.3	244.0	141.5	113.3	75.3	69.5
65°	954.7	887.7	757.0	586.5	459.1	373.1	244.0	139.8	110.9	66.2	59.6
67.5°	954.7	892.6	761.1	589.8	457.5	374.8	236.6	144.8	107.5	62.9	54.6
70°	949.7	890.2	755.3	589.0	460.8	373.1	228.3	144.8	102.6	62.9	52.1
71°	*943.1*	*885.2*	*751.2*	*588.2*	*461.6*	*371.4*	*225.0*	*143.9*	*100.1*	*61.2*	*52.9*
72.5°	934.0	877.7	743.7	586.5	459.1	366.5	218.4	144.8	97.6	60.4	53.8
75°	924.1	872.0	737.9	579.9	458.3	359.0	206.8	142.3	96.8	61.2	55.4
77.5°	920.8	872.8	734.6	578.3	458.3	354.9	198.5	140.6	95.1	62.0	58.7
80°	913.3	871.1	728.0	574.1	456.7	347.5	196.1	140.6	93.5	62.9	60.4
82.5°	905.9	867.0	722.2	570.0	454.2	337.5	193.6	139.8	91.8	65.4	63.7
85°	899.3	866.2	722.2	567.5	453.3	331.7	192.8	139.0	91.0	67.8	66.2
87.5°	899.3	870.3	729.7	574.1	460.8	331.7	196.1	140.6	91.8	71.1	70.3
90°	882.7	852.1	718.1	570.0	463.3	332.6	199.4	144.8	95.1	74.5	72.8
92.5°	877.7	843.8	714.8	574.1	466.6	332.6	203.5	148.9	97.6	76.1	74.5
95°	823.1	785.1	672.6	545.2	445.9	323.5	205.2	148.1	99.3	76.9	76.1
97.5°	747.0	705.7	599.8	484.8	394.6	290.4	187.0	139.0	98.4	79.4	77.8
100°	772.7	723.9	613.0	493.1	388.0	284.6	183.7	134.8	100.9	82.7	81.1
102.5°	843.8	790.9	674.2	546.0	422.7	314.4	205.2	143.1	105.9	86.9	84.4
105°	801.6	742.9	651.1	528.6	412.0	314.4	206.0	145.6	110.9	90.2	88.5
107.5°	708.1	653.5	573.3	470.7	377.2	290.4	195.2	141.5	115.0	94.3	91.8

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

Scaled Data Report

REPORT NUMBER: P1045978
CATALOG NUMBER: FFX-CLB-70-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	654.4	595.6	522.0	429.4	350.8	269.7	187.8	139.0	117.5	99.3	96.0
112.5°	597.3	546.8	475.7	394.6	326.8	249.0	182.8	138.2	119.1	104.2	100.9
115°	565.0	512.9	451.7	373.1	311.1	242.4	181.2	142.3	124.9	110.9	107.5
117.5°	536.9	493.9	439.3	356.6	300.3	239.9	184.5	147.3	129.1	116.6	112.5
120°	507.9	468.2	418.6	343.3	291.2	231.6	185.3	149.7	132.4	121.6	119.1
122.5°	490.6	445.9	397.1	331.7	280.4	225.8	184.5	153.0	133.2	124.1	124.1
125°	458.3	422.7	373.9	316.8	264.7	222.5	184.5	151.4	135.7	127.4	125.7
127.5°	422.7	399.6	350.8	300.3	254.0	214.3	179.5	151.4	134.8	127.4	127.4
130°	389.6	369.0	329.3	278.0	244.0	202.7	172.1	143.9	129.9	124.9	124.9
132.5°	352.4	339.2	302.0	256.5	224.2	188.6	162.1	133.2	121.6	117.5	117.5
135°	318.5	306.1	271.3	233.3	204.3	175.4	150.6	125.7	111.7	106.7	106.7
137.5°	287.1	275.5	244.9	212.6	186.1	162.1	139.0	118.3	104.2	98.4	99.3
140°	254.8	240.7	220.1	192.8	168.8	149.7	127.4	110.9	97.6	92.7	91.8
142.5°	225.8	215.1	196.1	172.9	152.2	137.3	117.5	103.4	92.7	87.7	86.9
145°	199.4	190.3	173.7	154.7	138.2	124.1	108.4	96.8	87.7	83.6	82.7
147.5°	171.2	165.5	153.0	138.2	124.1	111.7	100.9	90.2	84.4	79.4	78.6
150°	150.6	146.4	136.5	124.1	113.3	103.4	95.1	85.2	80.2	76.9	76.1
152.5°	134.0	129.9	121.6	112.5	103.4	96.0	88.5	81.9	76.9	74.5	73.6
155°	120.0	116.6	110.0	102.6	95.1	88.5	82.7	77.8	74.5	72.0	72.0
157.5°	109.2	105.9	100.9	94.3	88.5	82.7	78.6	74.5	72.8	70.3	70.3
160°	100.1	97.6	93.5	87.7	82.7	78.6	75.3	72.0	71.1	69.5	69.5
162.5°	92.7	91.0	86.9	82.7	79.4	76.1	73.6	71.1	69.5	68.7	68.7
165°	87.7	86.0	83.6	80.2	76.9	74.5	72.8	70.3	69.5	69.5	68.7
167.5°	85.2	83.6	81.1	77.8	75.3	74.5	72.8	71.1	70.3	70.3	69.5
170°	82.7	81.9	80.2	77.8	75.3	74.5	73.6	72.0	72.0	71.1	71.1
172.5°	81.9	81.1	79.4	77.8	76.1	75.3	74.5	73.6	73.6	73.6	72.8
175°	81.1	81.1	79.4	77.8	76.9	76.9	76.1	75.3	75.3	75.3	75.3
177.5°	81.1	80.2	80.2	79.4	78.6	78.6	78.6	77.8	77.8	77.8	77.8
180°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1

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

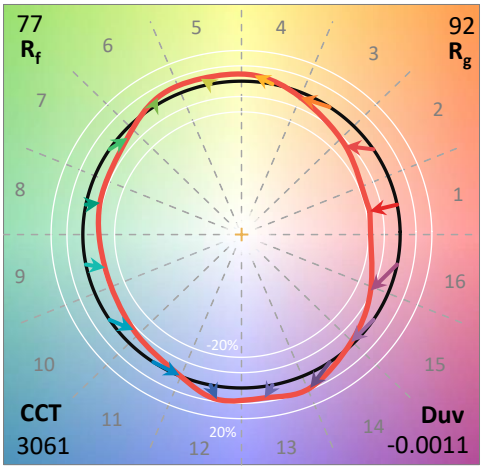
Test Information

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

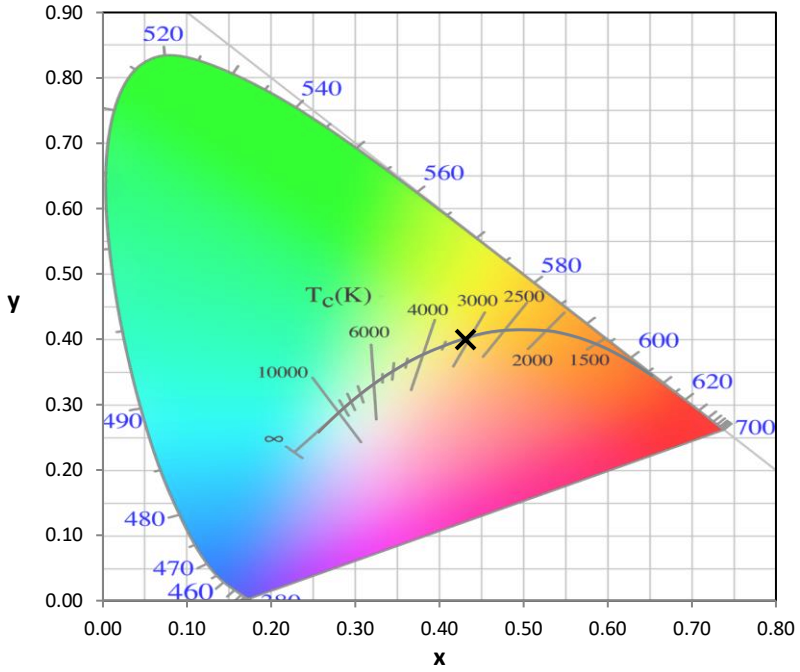
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

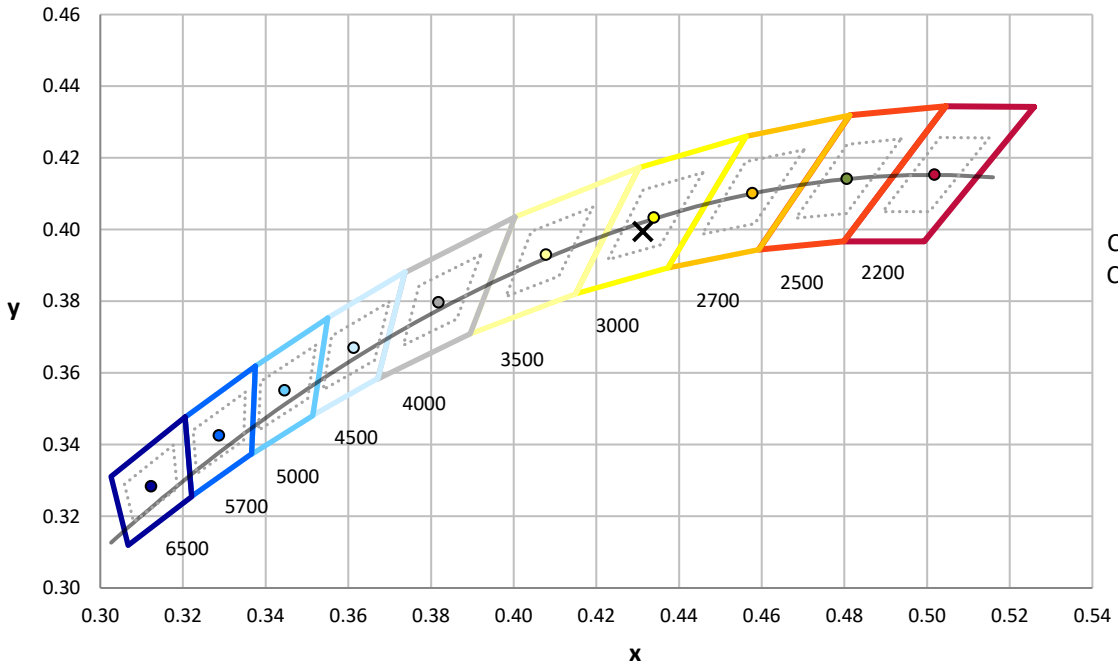
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

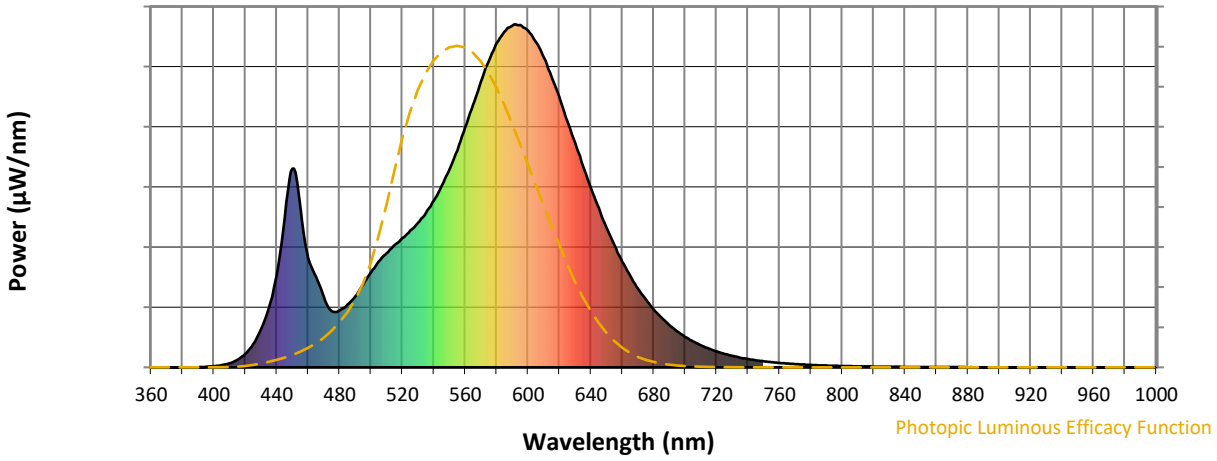


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

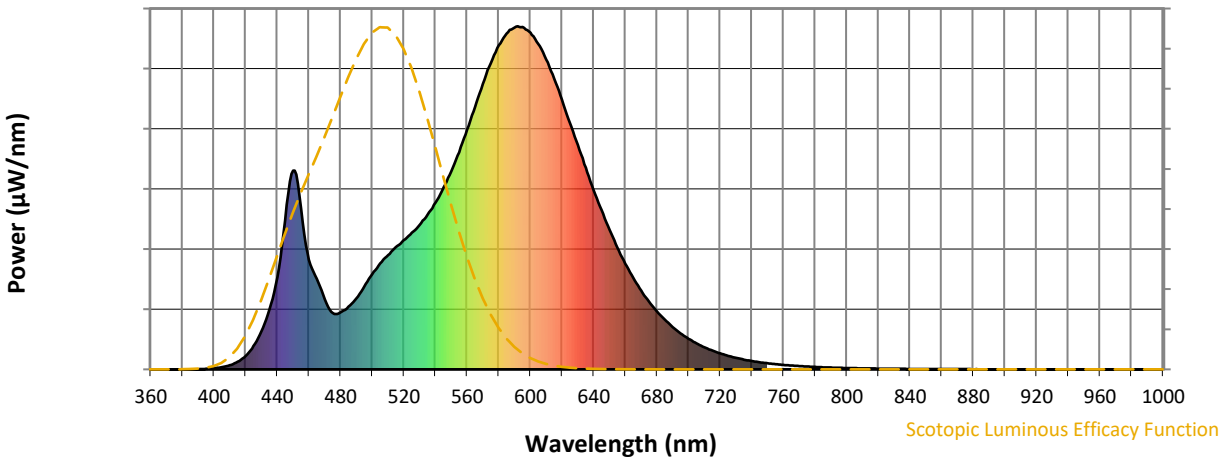


Photopic Lumens: NR

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

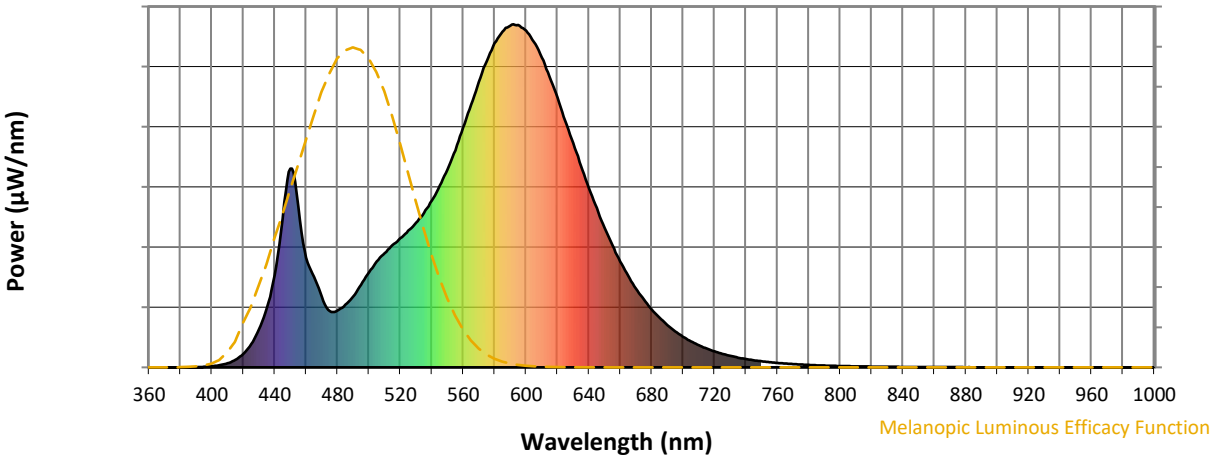


Scotopic Lumens: NR **S/P: 1.29**

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			

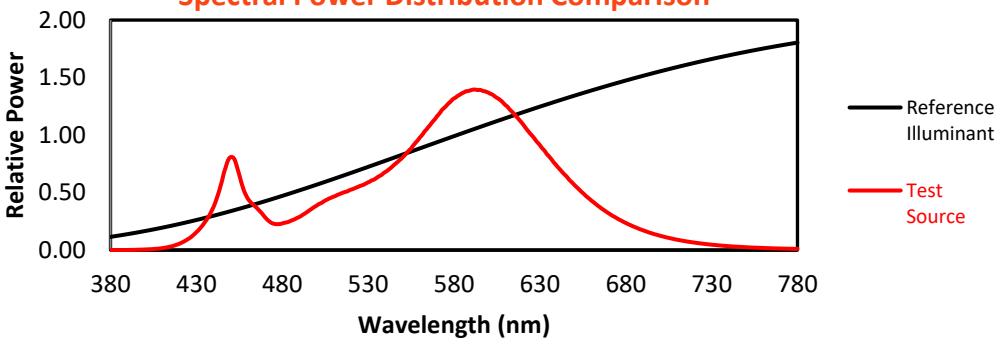
REPORT NUMBER: SP1-2501-332-4

TM-30-18

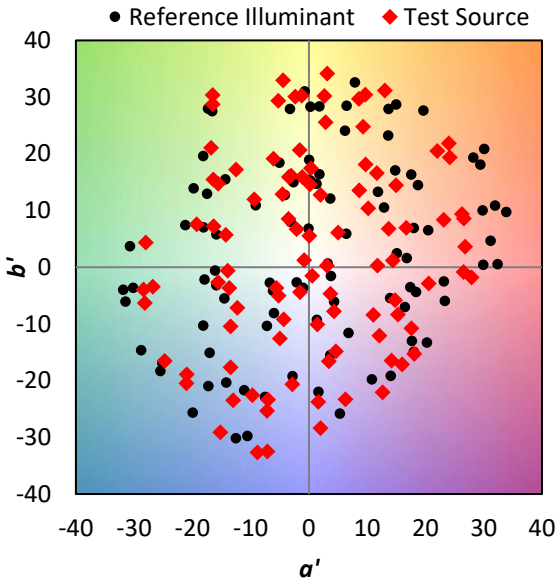
Summary

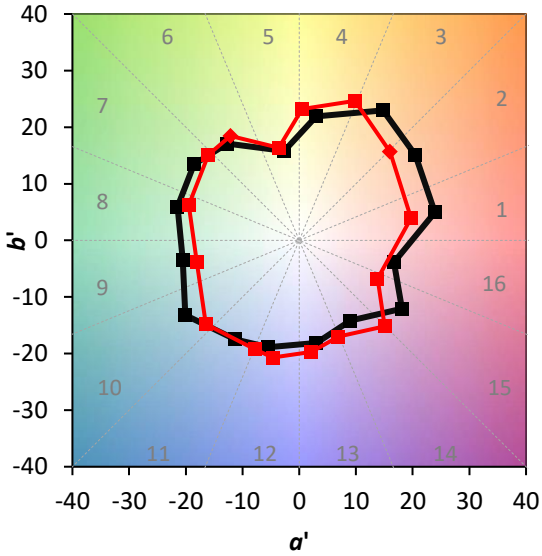
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

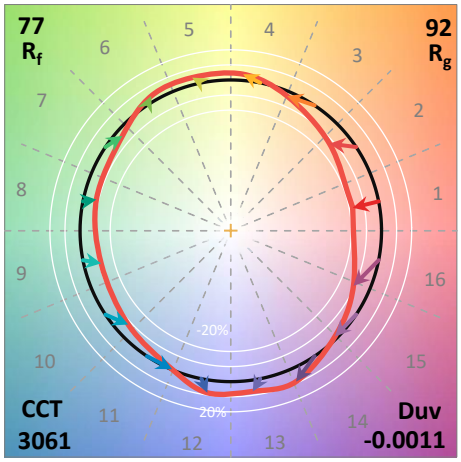
Spectral Power Distribution Comparison

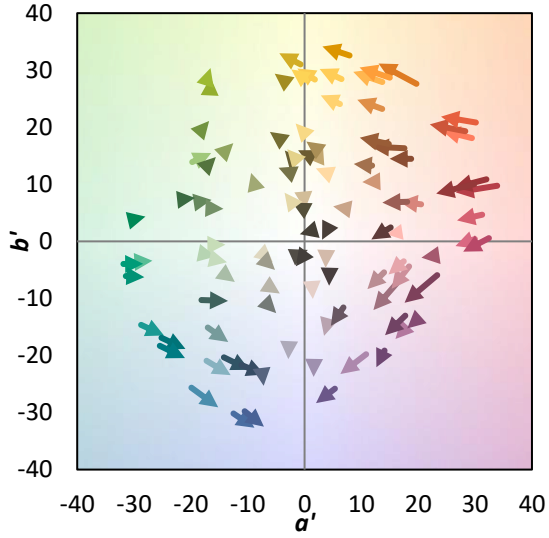


Color Vector Graphics







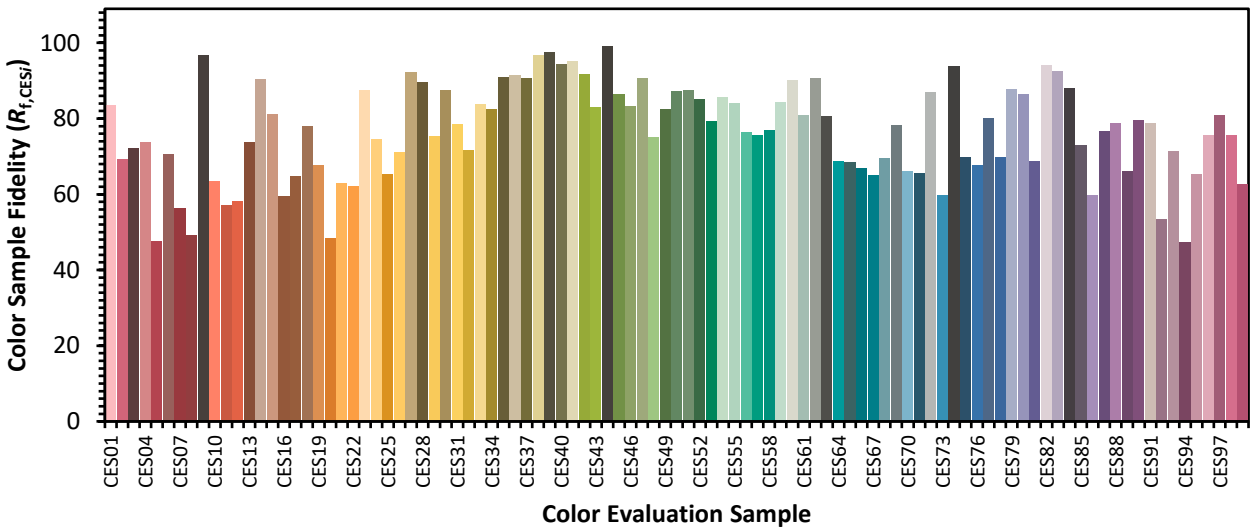


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

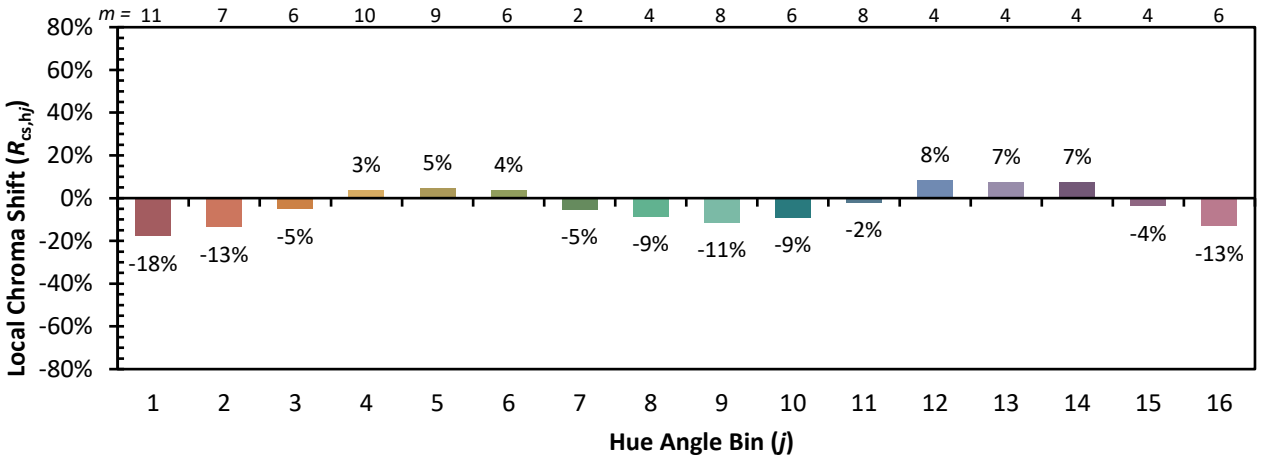
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 87	CES75 = 70	

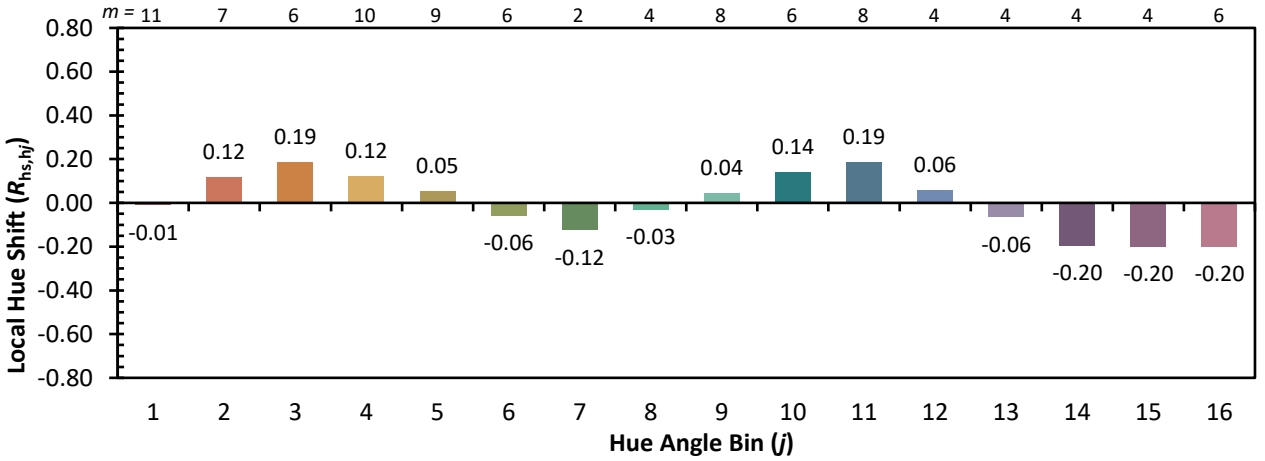


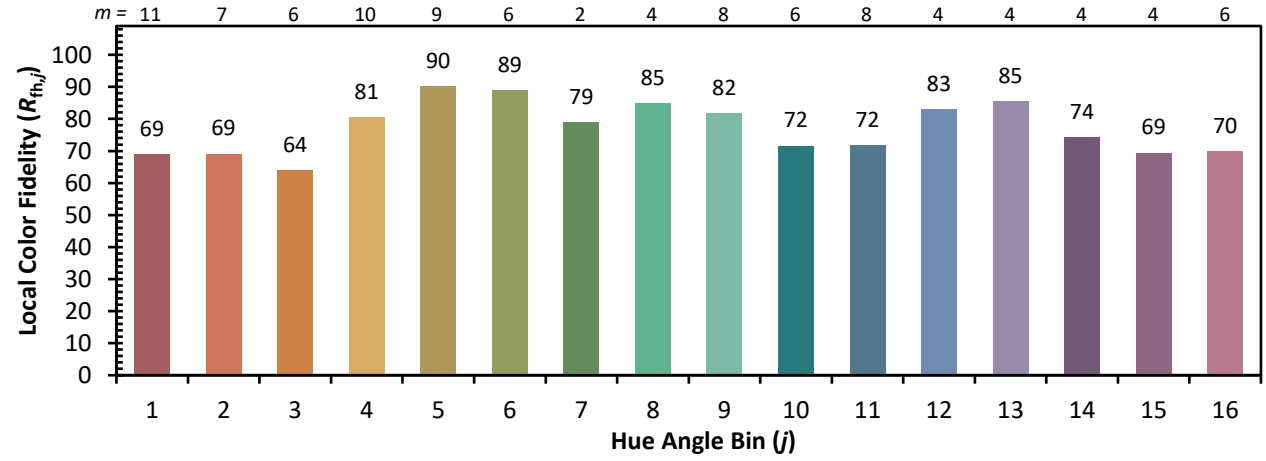
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Color Rendition by Hue-Angle Bin



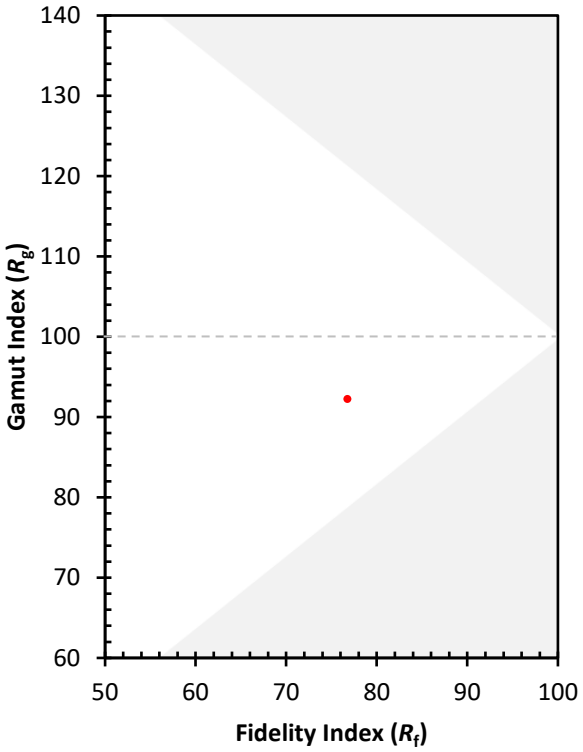


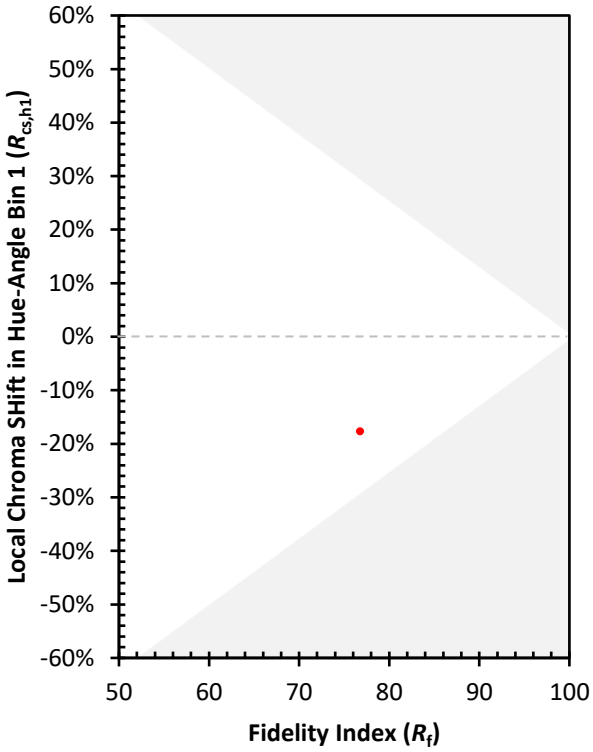


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Measure Comparisons





(END OF REPORT)