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: P1045968

Luminaire Tested: **FFX-CLB-80-727-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045968
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8207.4 lumens
Efficiency:	N/A
Efficacy:	100.3 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

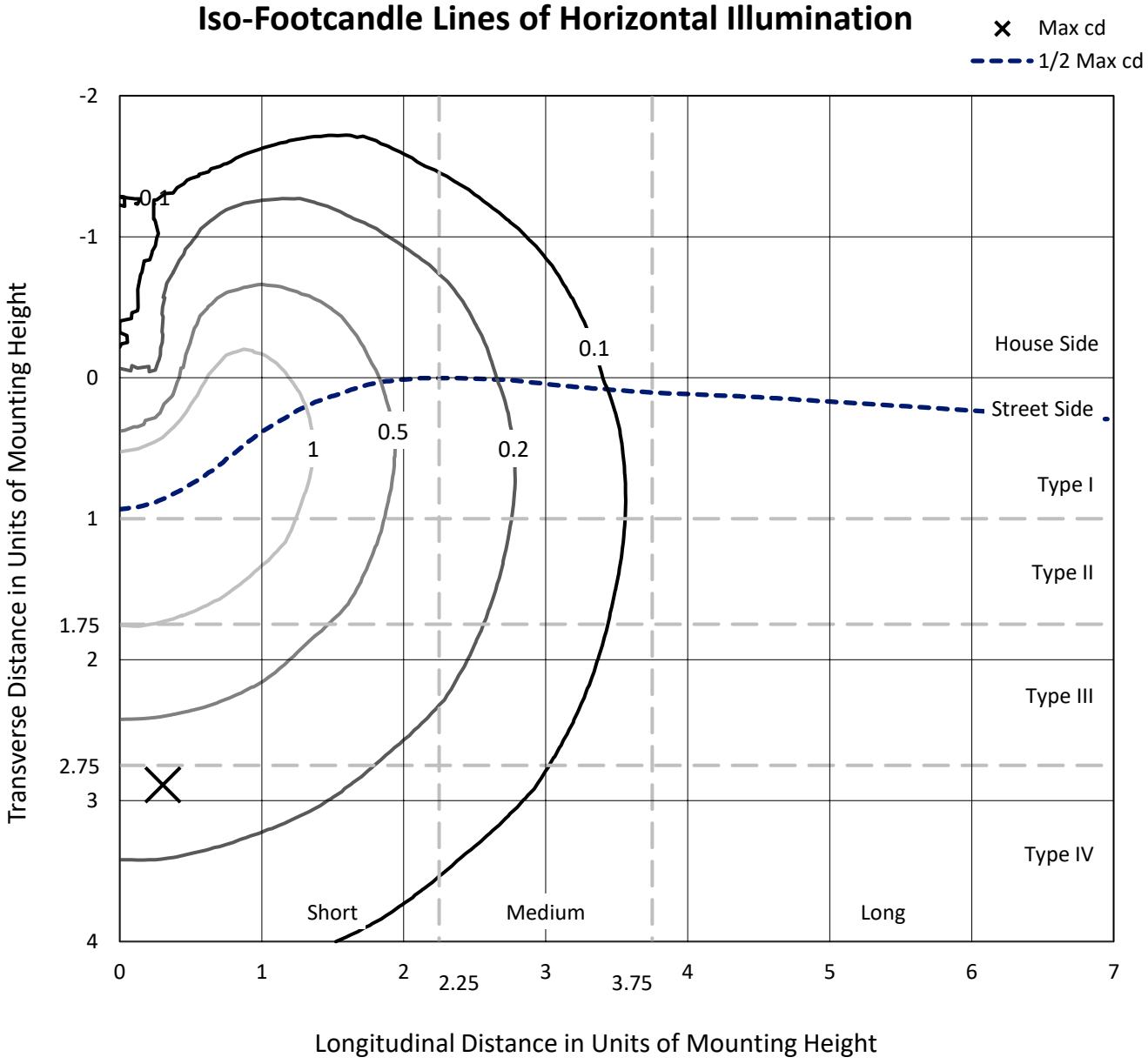


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Iso-Footcandle Lines of Horizontal Illumination



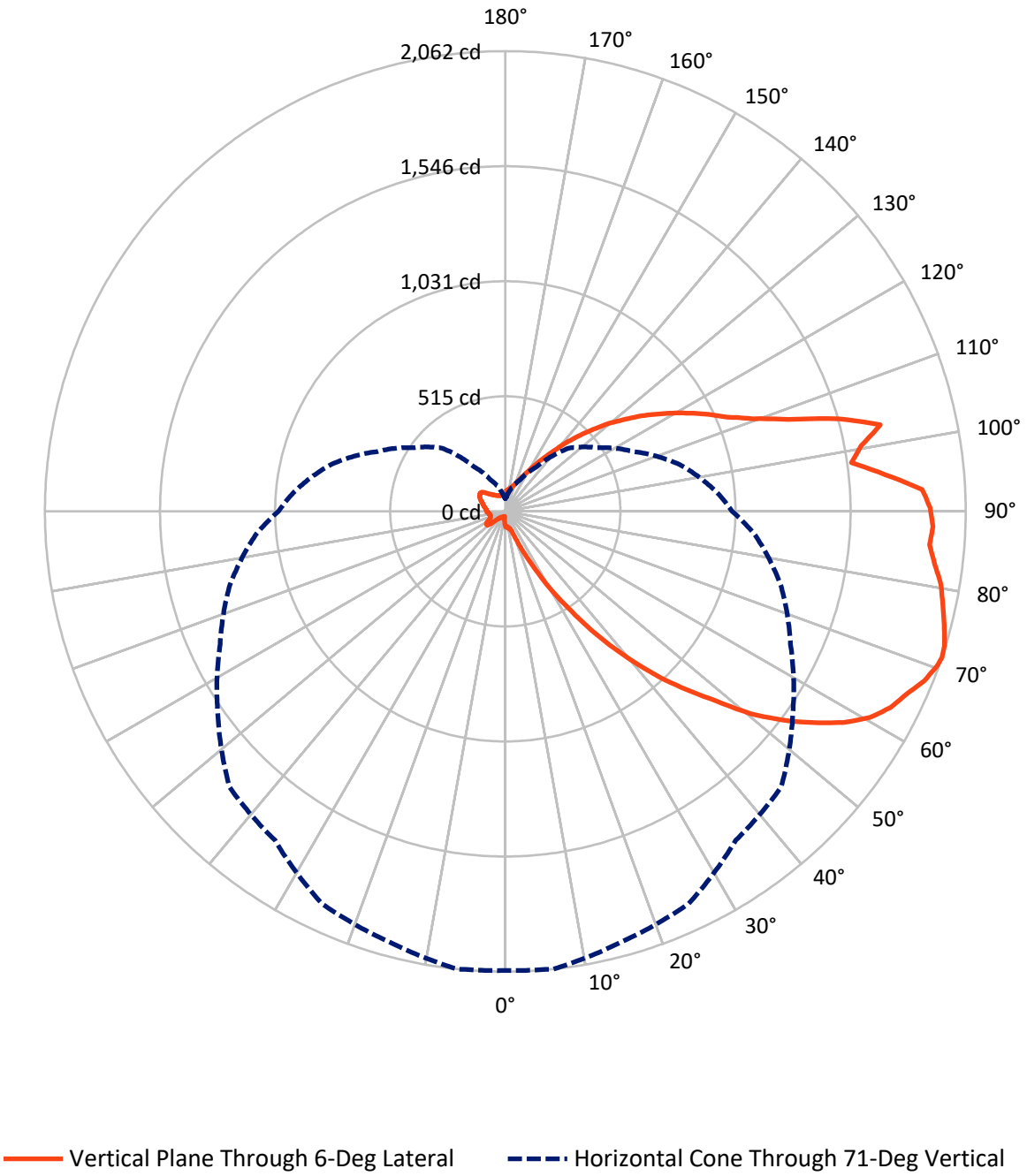
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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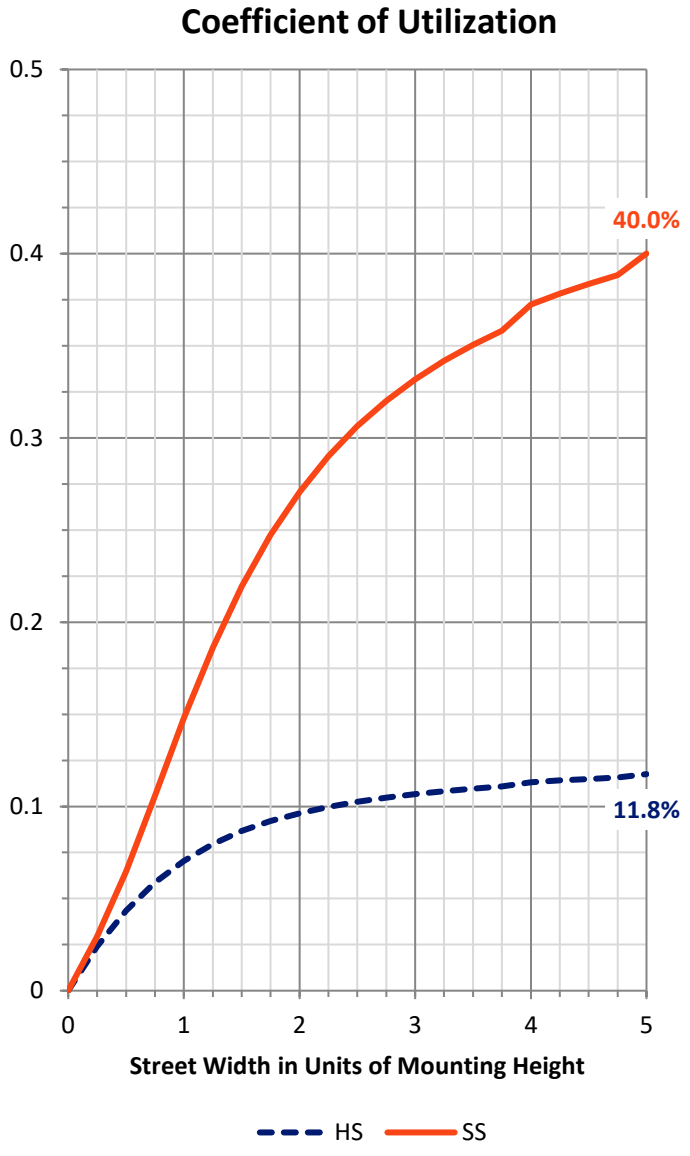
REPORT NUMBER: P1045968
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.9	835.8	1889.7
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3844.6	2473.2	6317.7
	% Fixture	46.8	30.1	77.0
Total	Lumens	4898.5	3308.9	8207.4
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	17.1	0.2
20°-30°	77.9	0.9
30°-40°	260.6	3.2
40°-50°	531.0	6.5
50°-60°	817.0	10.0
60°-70°	1016.7	12.4
70°-80°	1087.3	13.2
80°-90°	1085.4	13.2
90°-100°	980.9	12.0
100°-110°	858.0	10.5
110°-120°	584.8	7.1
120°-130°	413.1	5.0
130°-140°	250.4	3.1
140°-150°	126.9	1.5
150°-160°	59.2	0.7
160°-170°	27.1	0.3
170°-180°	8.4	0.1
0°-90°	4898.5	59.7
0°-180°	8207.4	100.0



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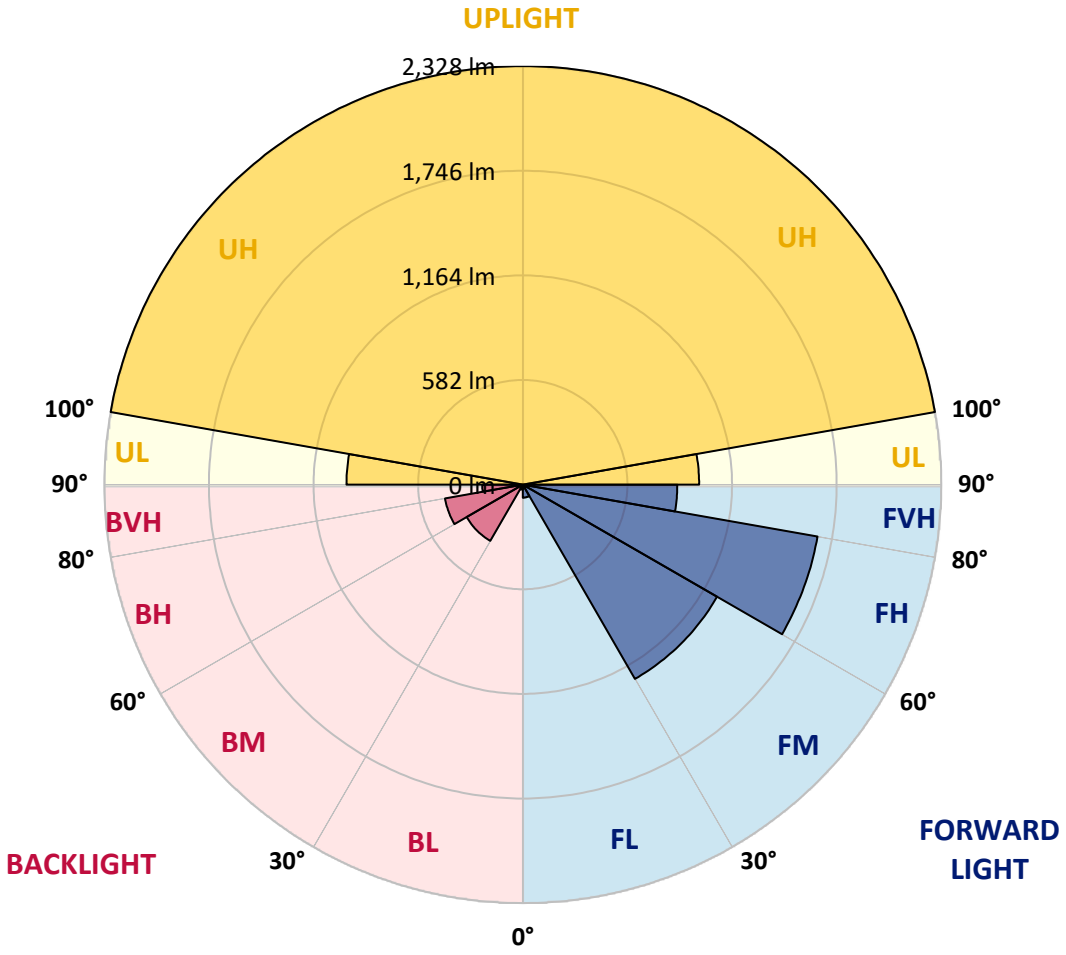
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	72.6	0.9			
FM	(30°-60°)	1247.7	15.2			
FH	(60°-80°)	1664.7	20.3			G1/1800
FVH	(80°-90°)	859.6	10.5			G5
BL	(0°-30°)	27.8	0.3	B0/110		
BM	(30°-60°)	360.9	4.4	B1/1000		
BH	(60°-80°)	439.3	5.4	B1/500		G1/500
BVH	(80°-90°)	225.8	2.8			G3/500
UL	(90°-100°)	980.9	12.0		U4/1000	
UH	(100°-180°)	2328.0	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°	66.8	66.8	*66.8*	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
2.5°	72.2	72.2	*72.2*	72.2	72.2	72.2	71.3	69.5	68.6	67.7	66.8
5°	68.6	68.6	*68.6*	68.6	68.6	68.6	68.6	67.7	66.8	65.1	63.3
7.5°	68.6	68.6	*68.6*	68.6	67.7	66.8	66.0	65.1	64.2	60.6	57.0
10°	74.9	75.8	*74.9*	74.9	72.2	69.5	67.7	65.1	63.3	61.5	57.0
12.5°	79.3	79.3	*79.3*	78.4	76.7	74.9	71.3	66.8	63.3	59.7	56.2
15°	82.0	82.0	*82.0*	82.0	80.2	77.5	74.9	71.3	67.7	63.3	58.8
17.5°	92.7	92.7	*92.7*	91.8	90.0	88.2	86.5	84.7	82.0	77.5	73.1
20°	122.1	124.8	*123.9*	121.2	119.4	117.7	118.5	116.8	115.0	108.7	101.6
22.5°	169.3	172.9	*172.0*	172.9	170.2	168.5	167.6	169.3	165.8	156.9	143.5
25°	238.0	238.0	*235.3*	242.4	243.3	234.4	236.2	235.3	232.6	216.6	195.2
27.5°	314.6	312.8	*312.0*	323.5	325.3	321.8	325.3	319.1	310.2	292.3	265.6
30°	403.8	410.9	*414.5*	416.2	421.6	425.1	429.6	424.3	400.2	378.8	341.4
32.5°	516.9	512.5	*511.6*	530.3	540.1	541.0	551.7	536.6	509.8	469.7	420.7
35°	641.7	631.0	*632.8*	644.4	660.4	672.0	680.1	650.6	623.0	570.4	506.3
37.5°	759.4	760.3	*759.4*	763.8	794.1	797.7	799.5	766.5	726.4	672.0	591.8
40°	879.7	881.5	*885.9*	900.2	932.3	926.1	911.8	882.4	830.7	769.2	674.7
42.5°	1003.6	1015.2	*1017.9*	1025.0	1047.3	1045.5	1021.4	988.4	928.7	852.1	746.0
45°	1136.4	1134.6	*1139.1*	1148.9	1166.7	1166.7	1123.9	1075.8	1010.7	924.3	810.2
47.5°	1262.1	1275.4	*1267.4*	1291.5	1282.6	1288.8	1215.7	1156.9	1085.6	983.1	863.7
50°	1420.7	1427.8	*1425.2*	1422.5	1395.8	1395.8	1320.9	1241.6	1161.4	1040.1	917.1
52.5°	1555.3	1558.0	*1553.5*	1542.8	1505.4	1492.9	1404.7	1312.9	1228.2	1107.0	968.8
55°	1680.1	1662.3	*1670.3*	1653.3	1594.5	1581.2	1497.4	1367.2	1287.0	1155.1	1013.4
57.5°	1771.9	1781.7	*1784.4*	1747.8	1689.0	1634.6	1578.5	1432.3	1331.6	1200.6	1042.8
60°	1850.3	1877.1	*1875.3*	1820.0	1768.3	1671.2	1640.0	1489.3	1361.0	1240.7	1074.9
62.5°	1909.1	1937.7	*1935.9*	1891.3	1845.0	1708.6	1673.8	1523.2	1378.8	1261.2	1099.0
65°	1967.1	1980.4	*1974.2*	1956.4	1901.1	1743.4	1705.9	1538.4	1394.0	1270.1	1107.9
67.5°	2025.9	2025.0	*2024.1*	1999.2	1939.4	1775.5	1731.8	1560.7	1409.1	1279.9	1114.1
70°	2055.3	2057.1	*2056.2*	2003.6	1948.4	1796.8	1746.0	1572.2	1412.7	1279.9	1119.5
71°	*2057.1*	*2059.8*	*2061.6*	*1998.3*	*1940.3*	*1798.6*	*1746.9*	*1572.2*	*1409.1*	*1277.2*	*1116.8*
72.5°	2044.6	2058.0	*2056.2*	1984.9	1928.8	1796.0	1740.7	1565.1	1403.8	1266.5	1108.8
75°	2017.0	2041.1	*2030.4*	1958.2	1899.3	1778.1	1723.8	1558.0	1390.4	1252.3	1101.6
77.5°	1992.9	2020.6	*2002.7*	1935.9	1883.3	1765.6	1714.8	1559.8	1380.6	1243.4	1099.0
80°	1976.9	1992.0	*1977.8*	1922.5	1869.9	1751.4	1708.6	1560.7	1377.9	1238.9	1090.9
82.5°	1952.8	1946.6	*1936.8*	1893.1	1839.6	1725.5	1683.6	1546.4	1371.7	1230.0	1082.0
85°	1931.4	1905.6	*1905.6*	1866.4	1812.0	1705.0	1654.2	1529.5	1361.0	1221.1	1071.3
87.5°	1943.9	1909.1	*1916.3*	1878.8	1819.1	1707.7	1648.9	1527.7	1365.5	1222.9	1065.1
90°	1931.4	1898.5	*1902.0*	1862.8	1793.3	1680.1	1608.8	1492.0	1336.9	1197.9	1042.8
92.5°	1910.0	1875.3	*1869.9*	1829.8	1759.4	1652.5	1577.6	1468.8	1314.7	1178.3	1034.8
95°	1745.1	1720.2	*1709.5*	1681.0	1626.6	1533.0	1474.2	1369.9	1216.6	1091.8	967.9
97.5°	1575.8	1580.3	*1565.1*	1531.2	1471.5	1398.4	1333.4	1233.5	1104.3	996.5	876.1
100°	1642.6	1636.4	*1621.3*	1575.8	1513.4	1431.4	1354.8	1258.5	1132.8	1035.7	902.9
102.5°	1715.7	1730.0	*1723.8*	1666.7	1596.3	1530.3	1472.4	1376.2	1238.0	1135.5	993.8
105°	1516.1	1544.6	*1550.8*	1506.3	1454.6	1399.3	1348.5	1280.8	1161.4	1056.2	944.8
107.5°	1321.8	1326.2	*1330.7*	1296.8	1271.0	1222.0	1171.2	1109.7	1018.7	938.5	829.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1187.2	1191.7	*1184.5*	1170.3	1143.5	1106.1	1049.9	1007.2	927.8	860.1	761.2
112.5°	1080.2	1084.7	*1079.4*	1061.5	1037.5	1008.1	949.2	913.6	845.8	782.6	693.4
115°	1011.6	1017.0	*1008.1*	989.3	968.8	952.8	902.0	849.4	787.9	731.8	655.1
117.5°	946.6	957.2	*936.7*	931.4	916.2	900.2	842.3	795.9	742.4	691.6	630.1
120°	875.2	884.2	*867.2*	861.0	852.1	836.0	781.7	739.8	697.0	651.5	592.7
122.5°	818.2	805.7	*797.7*	797.7	787.0	776.3	720.2	685.4	651.5	613.2	552.6
125°	753.1	736.2	*732.6*	738.9	725.5	711.3	666.7	635.5	609.6	571.3	511.6
127.5°	680.1	664.0	*664.0*	666.7	658.7	644.4	615.0	589.1	573.1	532.1	472.4
130°	611.4	602.5	*604.3*	598.1	590.0	578.4	557.1	538.3	525.0	484.0	441.2
132.5°	529.4	539.2	*539.2*	528.5	526.8	517.8	500.9	492.0	471.5	437.6	402.0
135°	471.5	479.5	*478.6*	468.8	467.9	462.6	450.1	442.1	422.5	394.0	364.5
137.5°	422.5	422.5	*420.7*	414.5	410.9	410.0	398.4	390.4	371.7	352.1	328.0
140°	374.3	366.3	*363.6*	364.5	359.2	358.3	348.5	338.7	329.8	311.1	291.5
142.5°	324.4	319.1	*316.4*	312.8	311.1	308.4	302.1	294.1	285.2	272.7	254.9
145°	277.2	277.2	*275.4*	271.8	271.8	268.3	262.0	257.6	249.6	236.2	221.9
147.5°	240.6	238.0	*238.0*	237.1	234.4	232.6	227.3	221.0	215.7	205.0	191.6
150°	206.8	206.8	*205.0*	206.8	205.0	202.3	198.8	193.4	187.2	179.1	168.5
152.5°	180.0	180.9	*179.1*	181.8	180.0	178.3	173.8	170.2	163.1	156.0	148.8
155°	160.4	161.3	*160.4*	159.5	159.5	156.9	155.1	149.7	145.3	139.0	132.8
157.5°	142.6	143.5	*143.5*	143.5	143.5	140.8	137.3	133.7	130.1	124.8	119.4
160°	131.0	130.1	*130.1*	129.2	128.3	127.5	124.8	121.2	118.5	114.1	109.6
162.5°	119.4	119.4	*119.4*	118.5	117.7	116.8	115.0	111.4	108.7	105.2	101.6
165°	111.4	111.4	*111.4*	111.4	109.6	108.7	107.0	104.3	102.5	98.9	95.4
167.5°	106.1	106.1	*106.1*	105.2	104.3	103.4	102.5	99.8	98.0	95.4	92.7
170°	101.6	101.6	*101.6*	101.6	100.7	98.9	98.0	96.3	94.5	92.7	90.0
172.5°	97.2	97.2	*97.2*	97.2	96.3	96.3	95.4	93.6	92.7	90.0	89.1
175°	93.6	93.6	*93.6*	93.6	92.7	92.7	91.8	90.9	90.0	89.1	87.3
177.5°	90.9	90.9	*90.9*	90.9	90.0	90.0	90.0	89.1	88.2	87.3	87.3
180°	87.3	87.3	*87.3*	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
2.5°	66.8	66.8	65.1	64.2	63.3	61.5	59.7	57.0	57.0	57.0	56.2
5°	62.4	61.5	59.7	57.0	56.2	55.3	53.5	49.9	45.5	41.9	41.9
7.5°	57.9	53.5	49.0	47.2	44.6	40.1	35.7	30.3	24.1	23.2	23.2
10°	54.4	51.7	46.3	41.9	37.4	36.5	33.0	27.6	25.0	22.3	22.3
12.5°	53.5	51.7	45.5	40.1	34.8	32.1	29.4	26.7	24.1	22.3	22.3
15°	56.2	54.4	48.1	41.9	35.7	32.1	28.5	25.8	25.0	24.1	24.1
17.5°	70.4	67.7	58.8	49.0	41.0	35.7	31.2	28.5	27.6	26.7	26.7
20°	95.4	90.9	78.4	65.1	52.6	41.0	34.8	30.3	29.4	28.5	28.5
22.5°	135.5	127.5	106.1	85.6	66.8	51.7	40.1	32.1	29.4	28.5	28.5
25°	184.5	173.8	142.6	112.3	84.7	66.0	49.0	36.5	29.4	27.6	27.6
27.5°	249.6	230.8	189.0	150.6	113.2	83.8	61.5	43.7	32.1	27.6	26.7
30°	318.2	295.0	241.5	190.7	143.5	105.2	75.8	52.6	36.5	27.6	26.7
32.5°	393.1	361.9	303.0	239.8	178.3	130.1	92.7	61.5	41.9	29.4	27.6
35°	469.7	435.0	361.9	291.5	213.9	155.1	110.5	71.3	45.5	31.2	29.4
37.5°	547.3	508.0	428.7	337.8	248.7	180.9	128.3	82.0	49.0	33.0	31.2
40°	624.8	577.6	490.2	381.5	282.5	206.8	145.3	90.9	51.7	35.7	34.8
42.5°	685.4	637.3	541.0	418.0	318.2	230.0	162.2	98.0	54.4	40.1	38.3
45°	740.7	689.9	583.8	451.0	345.8	257.6	181.8	109.6	59.7	45.5	43.7
47.5°	796.8	746.9	628.4	483.1	372.6	285.2	205.0	122.1	74.0	58.8	57.9
50°	845.8	790.6	676.5	526.8	406.4	311.1	229.1	137.3	87.3	85.6	86.5
52.5°	893.1	837.8	717.5	558.8	429.6	342.3	252.2	143.5	98.9	100.7	102.5
55°	945.7	881.5	750.5	583.8	443.0	362.8	265.6	148.8	109.6	102.5	100.7
57.5°	981.3	907.3	777.2	611.4	457.2	375.2	266.5	155.1	118.5	98.9	96.3
60°	1005.4	921.6	791.5	626.6	476.8	386.8	263.8	156.0	123.9	90.9	82.9
62.5°	1021.4	940.3	803.9	630.1	492.0	395.7	262.9	152.4	122.1	81.1	74.9
65°	1028.6	956.4	815.5	631.9	494.7	402.0	262.9	150.6	119.4	71.3	64.2
67.5°	1028.6	961.7	820.0	635.5	492.9	403.8	254.9	156.0	115.9	67.7	58.8
70°	1023.2	959.0	813.7	634.6	496.4	402.0	246.0	156.0	110.5	67.7	56.2
71°	*1016.1*	*953.7*	*809.3*	*633.7*	*497.3*	*400.2*	*242.4*	*155.1*	*107.8*	*66.0*	*57.0*
72.5°	1006.3	945.7	801.3	631.9	494.7	394.8	235.3	156.0	105.2	65.1	57.9
75°	995.6	939.4	795.0	624.8	493.8	386.8	222.8	153.3	104.3	66.0	59.7
77.5°	992.0	940.3	791.5	623.0	493.8	382.4	213.9	151.5	102.5	66.8	63.3
80°	984.0	938.5	784.3	618.6	492.0	374.3	211.2	151.5	100.7	67.7	65.1
82.5°	976.0	934.1	778.1	614.1	489.3	363.6	208.6	150.6	98.9	70.4	68.6
85°	968.8	933.2	778.1	611.4	488.4	357.4	207.7	149.7	98.0	73.1	71.3
87.5°	968.8	937.6	786.1	618.6	496.4	357.4	211.2	151.5	98.9	76.7	75.8
90°	951.0	918.0	773.6	614.1	499.1	358.3	214.8	156.0	102.5	80.2	78.4
92.5°	945.7	909.1	770.1	618.6	502.7	358.3	219.3	160.4	105.2	82.0	80.2
95°	886.8	845.8	724.6	587.4	480.4	348.5	221.0	159.5	107.0	82.9	82.0
97.5°	804.8	760.3	646.2	522.3	425.1	312.8	201.4	149.7	106.1	85.6	83.8
100°	832.5	779.9	660.4	531.2	418.0	306.6	197.9	145.3	108.7	89.1	87.3
102.5°	909.1	852.1	726.4	588.3	455.4	338.7	221.0	154.2	114.1	93.6	90.9
105°	863.7	800.4	701.4	569.5	443.9	338.7	221.9	156.9	119.4	97.2	95.4
107.5°	762.9	704.1	617.7	507.1	406.4	312.8	210.3	152.4	123.9	101.6	98.9

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

Scaled Data Report

REPORT NUMBER: P1045968
CATALOG NUMBER: FFX-CLB-80-727-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	705.0	641.7	562.4	462.6	377.9	290.6	202.3	149.7	126.6	107.0	103.4
112.5°	643.5	589.1	512.5	425.1	352.1	268.3	197.0	148.8	128.3	112.3	108.7
115°	608.8	552.6	486.6	402.0	335.1	261.1	195.2	153.3	134.6	119.4	115.9
117.5°	578.4	532.1	473.3	384.1	323.5	258.5	198.8	158.6	139.0	125.7	121.2
120°	547.3	504.5	451.0	369.9	313.7	249.6	199.6	161.3	142.6	131.0	128.3
122.5°	528.5	480.4	427.8	357.4	302.1	243.3	198.8	164.9	143.5	133.7	133.7
125°	493.8	455.4	402.9	341.4	285.2	239.8	198.8	163.1	146.2	137.3	135.5
127.5°	455.4	430.5	377.9	323.5	273.6	230.8	193.4	163.1	145.3	137.3	137.3
130°	419.8	397.5	354.7	299.5	262.9	218.4	185.4	155.1	139.9	134.6	134.6
132.5°	379.7	365.4	325.3	276.3	241.5	203.2	174.7	143.5	131.0	126.6	126.6
135°	343.1	329.8	292.3	251.3	220.1	189.0	162.2	135.5	120.3	115.0	115.0
137.5°	309.3	296.8	263.8	229.1	200.5	174.7	149.7	127.5	112.3	106.1	107.0
140°	274.5	259.4	237.1	207.7	181.8	161.3	137.3	119.4	105.2	99.8	98.9
142.5°	243.3	231.7	211.2	186.3	164.0	148.0	126.6	111.4	99.8	94.5	93.6
145°	214.8	205.0	187.2	166.7	148.8	133.7	116.8	104.3	94.5	90.0	89.1
147.5°	184.5	178.3	164.9	148.8	133.7	120.3	108.7	97.2	90.9	85.6	84.7
150°	162.2	157.8	147.1	133.7	122.1	111.4	102.5	91.8	86.5	82.9	82.0
152.5°	144.4	139.9	131.0	121.2	111.4	103.4	95.4	88.2	82.9	80.2	79.3
155°	129.2	125.7	118.5	110.5	102.5	95.4	89.1	83.8	80.2	77.5	77.5
157.5°	117.7	114.1	108.7	101.6	95.4	89.1	84.7	80.2	78.4	75.8	75.8
160°	107.8	105.2	100.7	94.5	89.1	84.7	81.1	77.5	76.7	74.9	74.9
162.5°	99.8	98.0	93.6	89.1	85.6	82.0	79.3	76.7	74.9	74.0	74.0
165°	94.5	92.7	90.0	86.5	82.9	80.2	78.4	75.8	74.9	74.9	74.0
167.5°	91.8	90.0	87.3	83.8	81.1	80.2	78.4	76.7	75.8	75.8	74.9
170°	89.1	88.2	86.5	83.8	81.1	80.2	79.3	77.5	77.5	76.7	76.7
172.5°	88.2	87.3	85.6	83.8	82.0	81.1	80.2	79.3	79.3	79.3	78.4
175°	87.3	87.3	85.6	83.8	82.9	82.9	82.0	81.1	81.1	81.1	81.1
177.5°	87.3	86.5	86.5	85.6	84.7	84.7	84.7	83.8	83.8	83.8	83.8
180°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

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

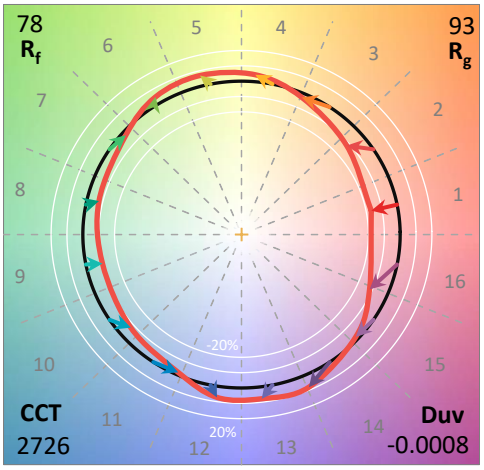
Test Information

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

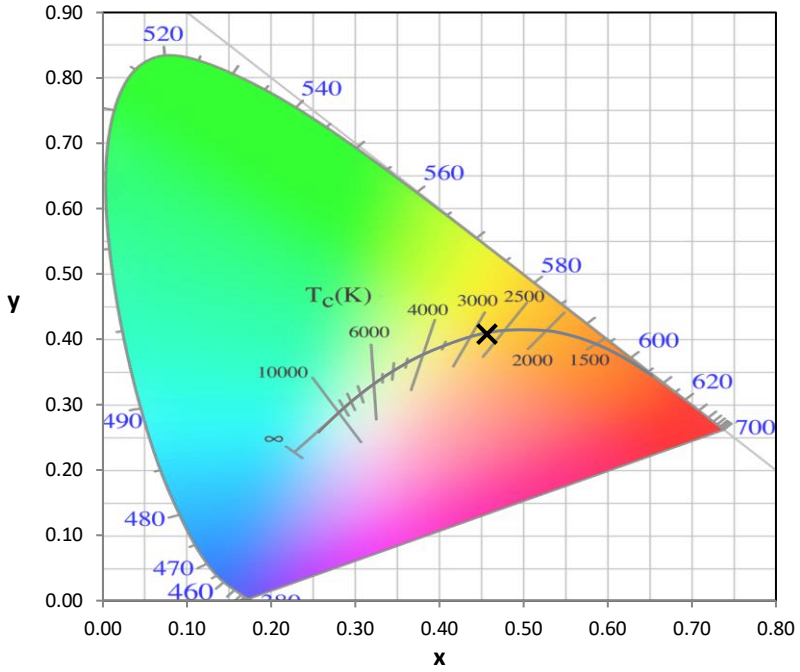
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

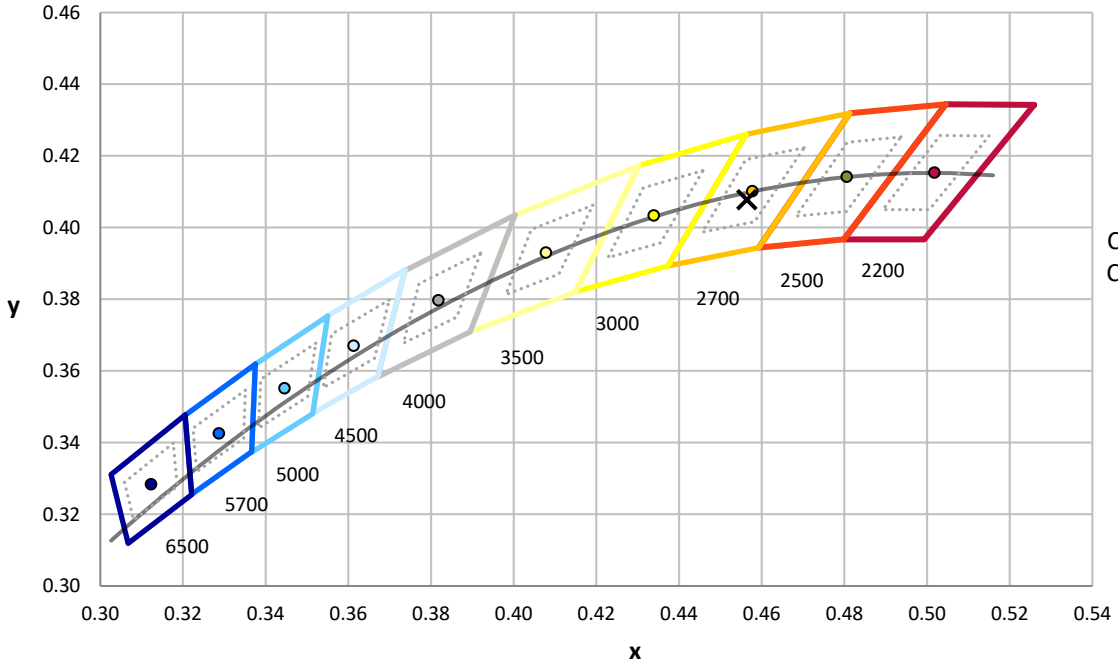
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

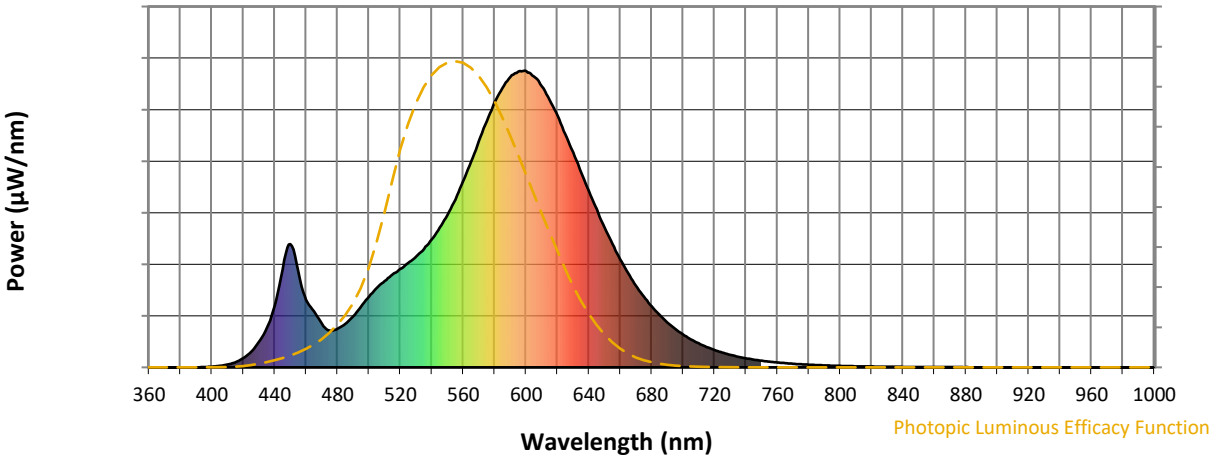


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

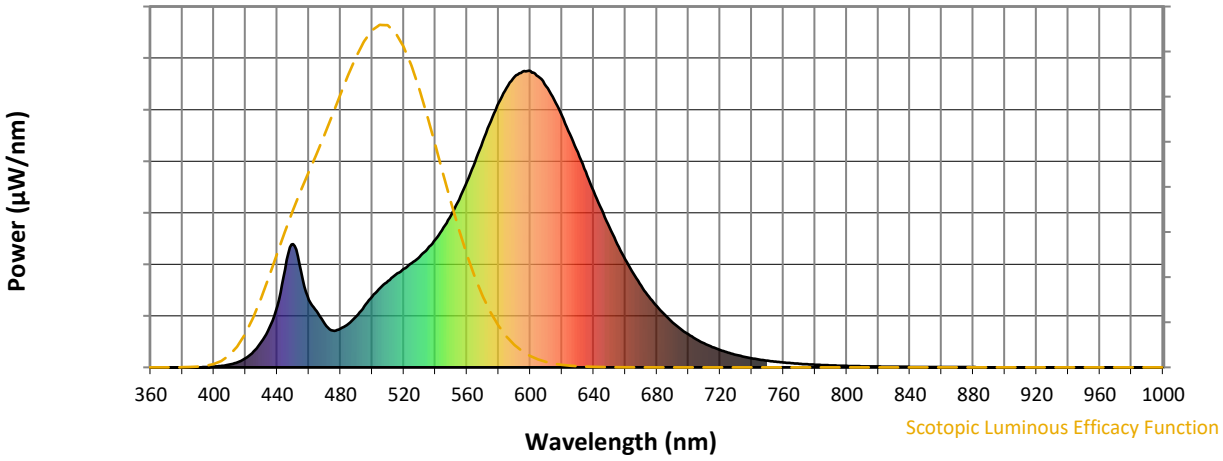


Photopic Lumens: NR

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

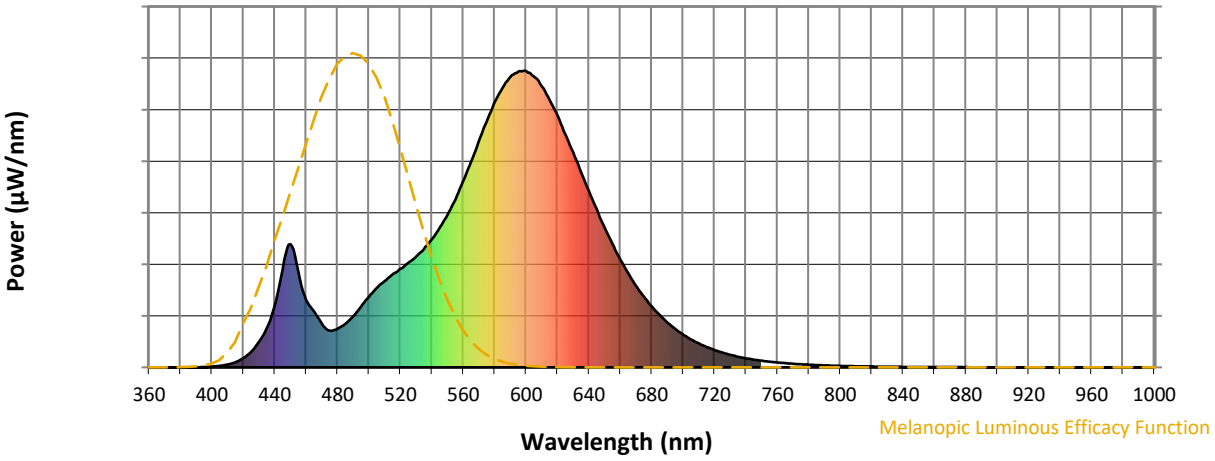


Scotopic Lumens: NR **S/P: 1.16**

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			

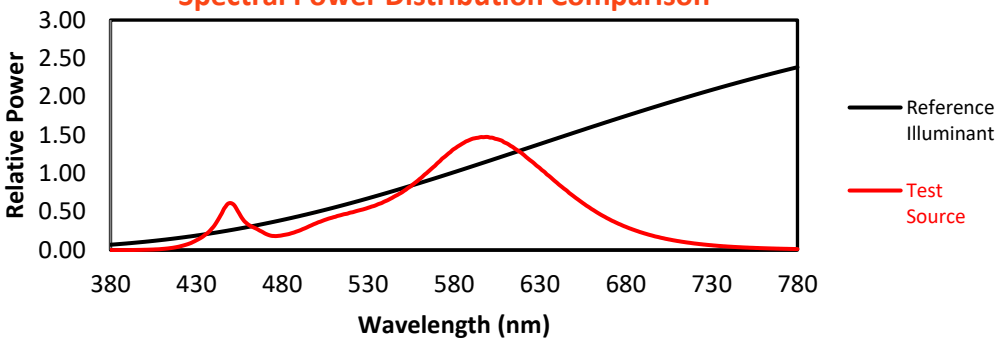
REPORT NUMBER: SP1-2501-332-3

TM-30-18

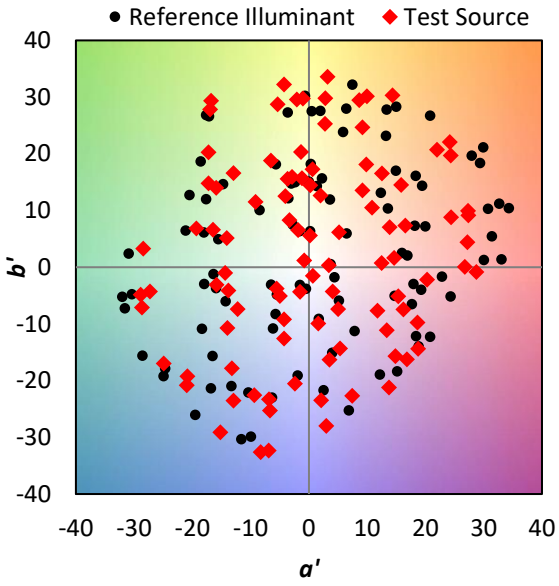
Summary

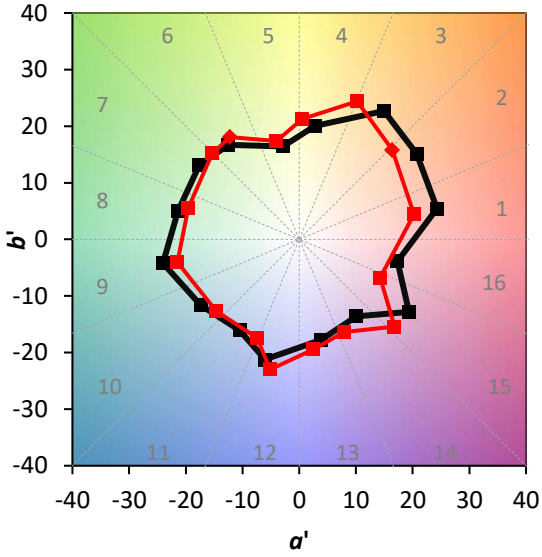
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

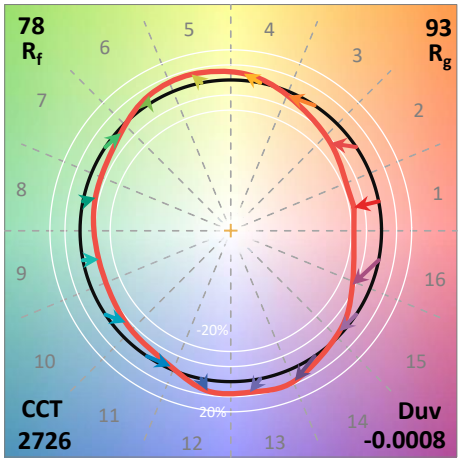
Spectral Power Distribution Comparison

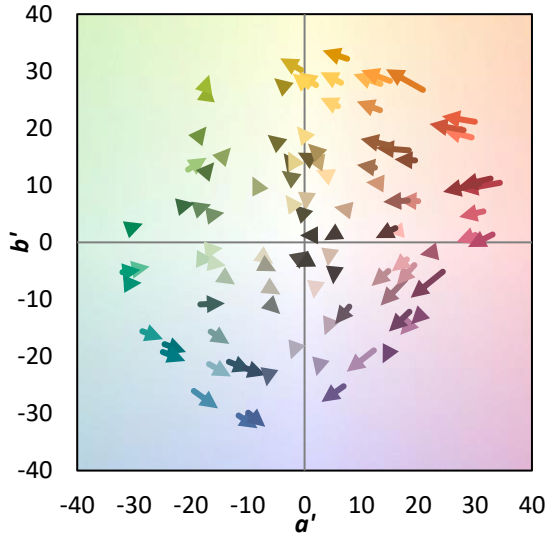


Color Vector Graphics







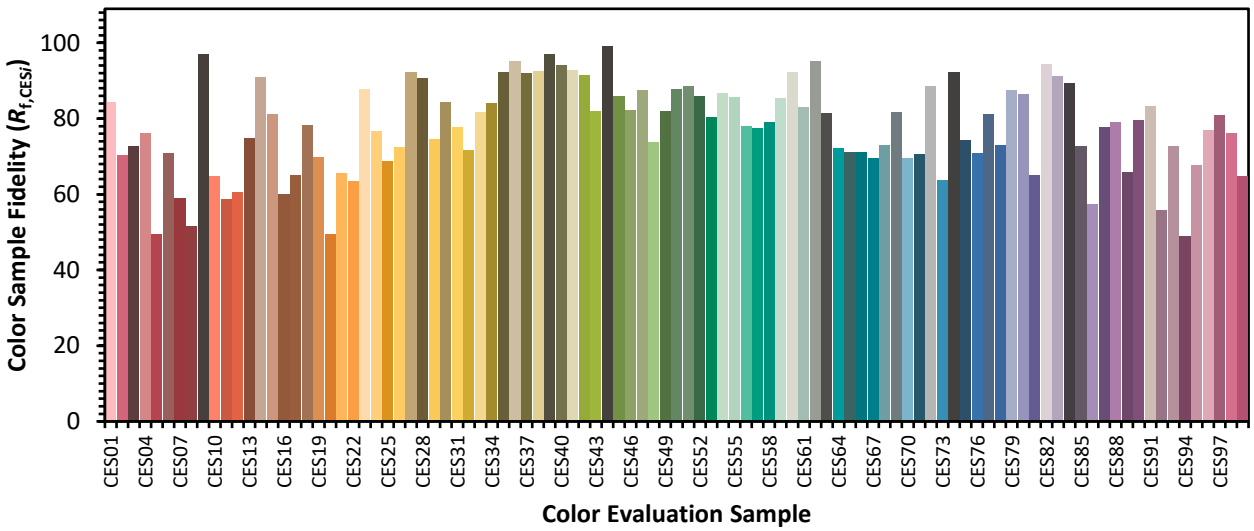


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

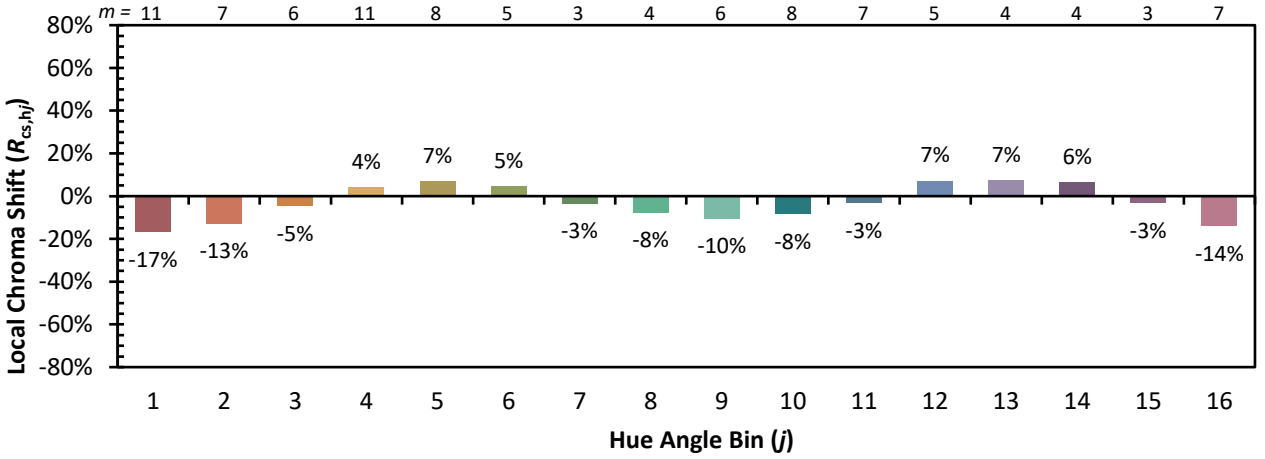
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
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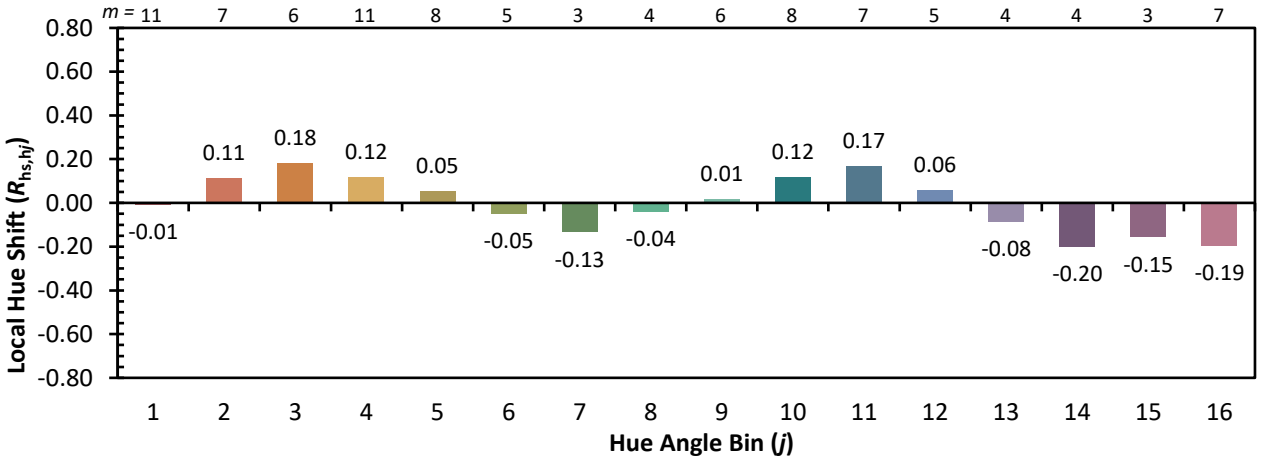


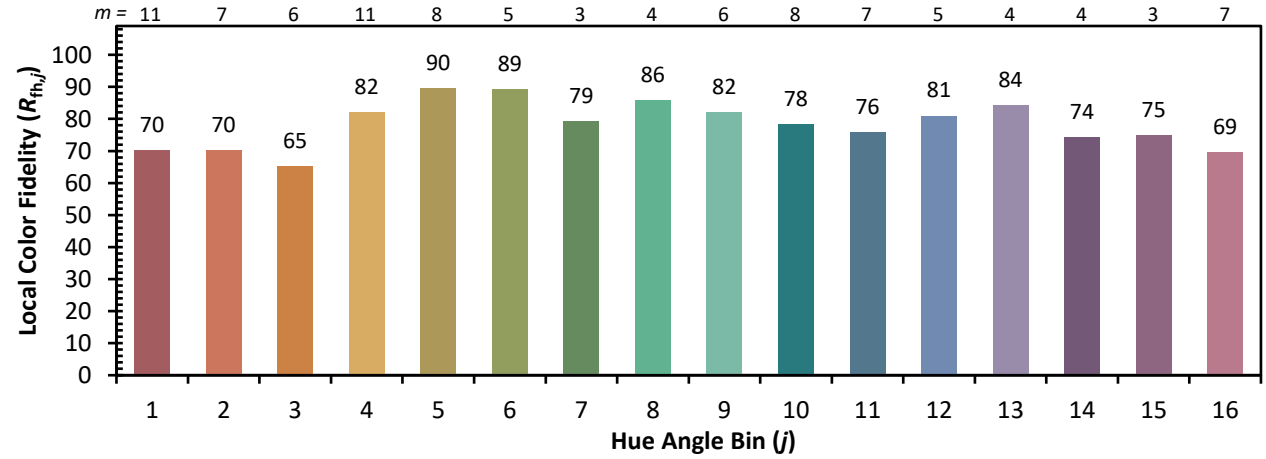
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Color Rendition by Hue-Angle Bin



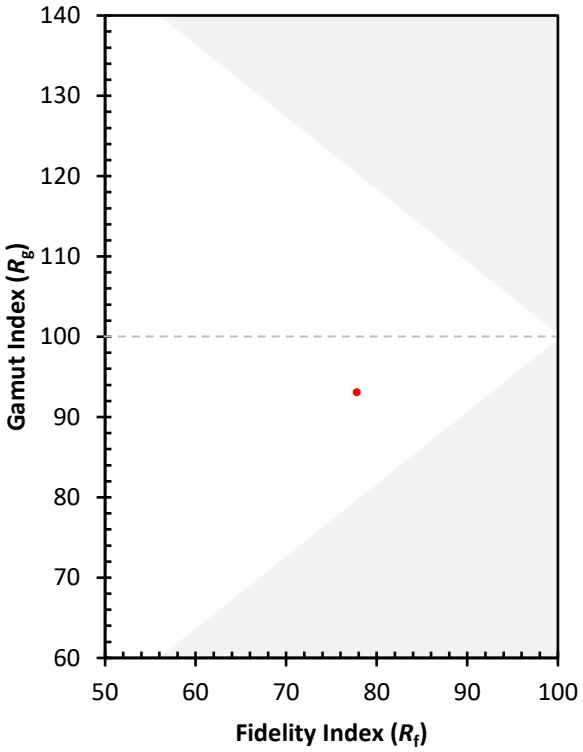


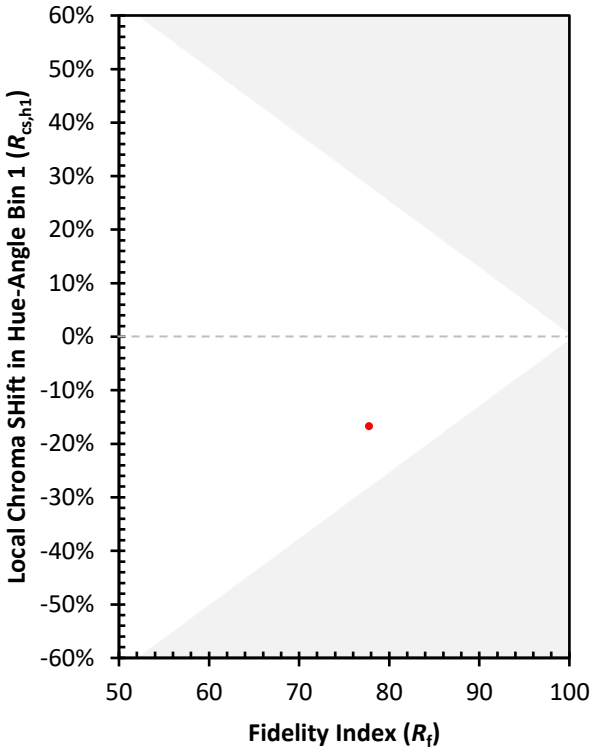


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Measure Comparisons





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