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: P1045878

Luminaire Tested: **FFX-CLB-80-727-U-VM9-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:	P1045878
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-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8101.6 lumens
Efficiency:	N/A
Efficacy:	99.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

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

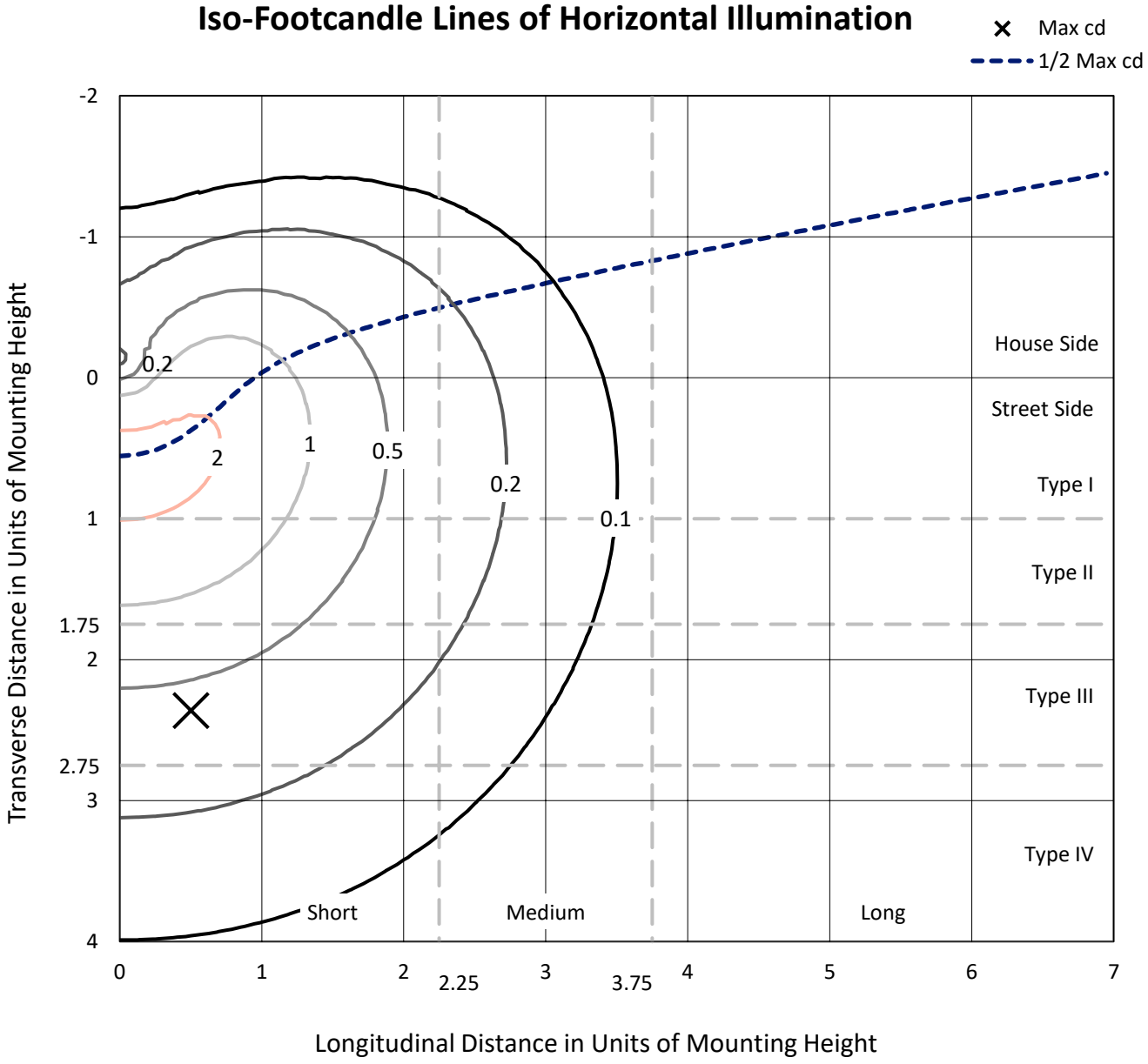


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Iso-Footcandle Lines of Horizontal Illumination



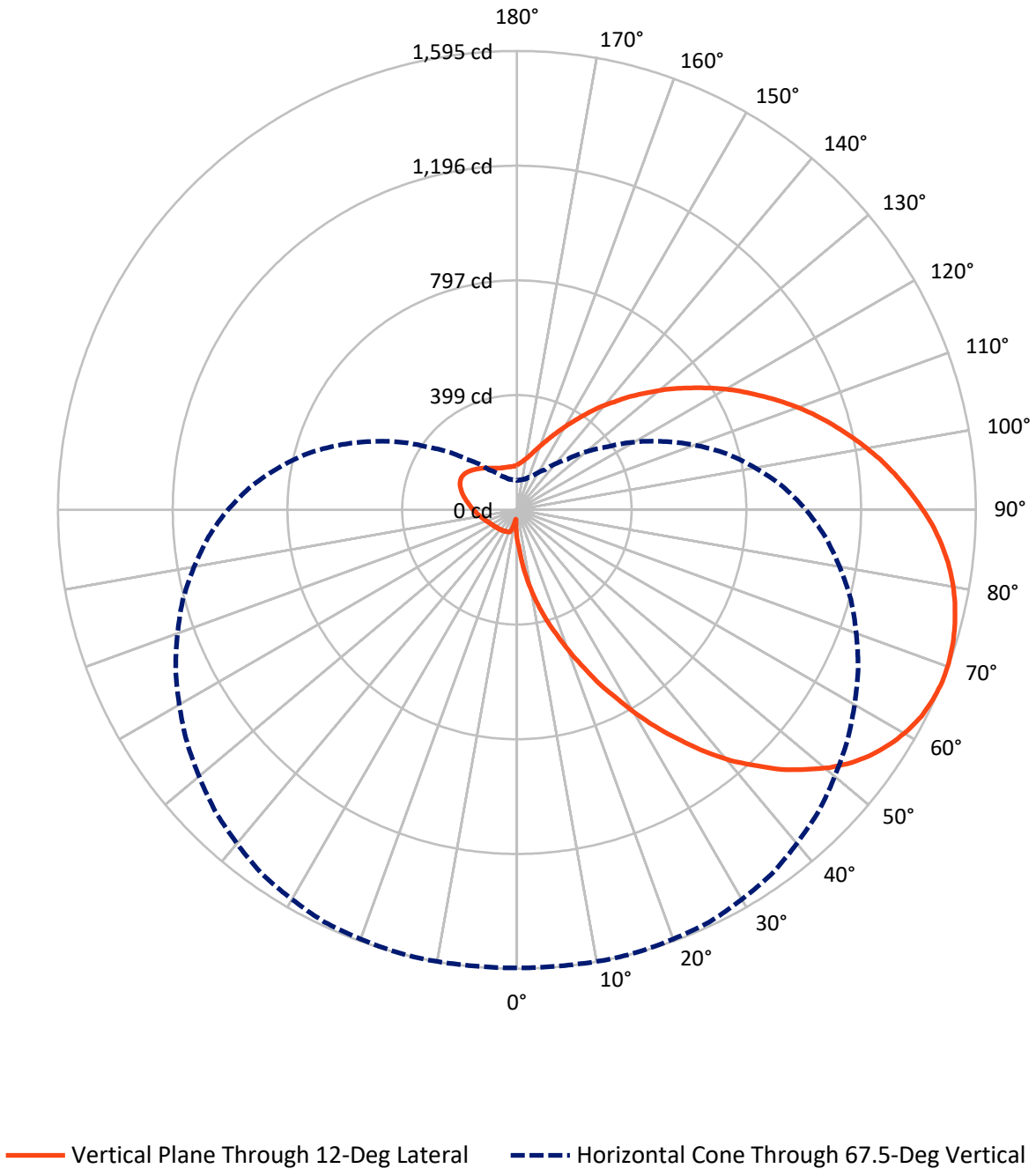
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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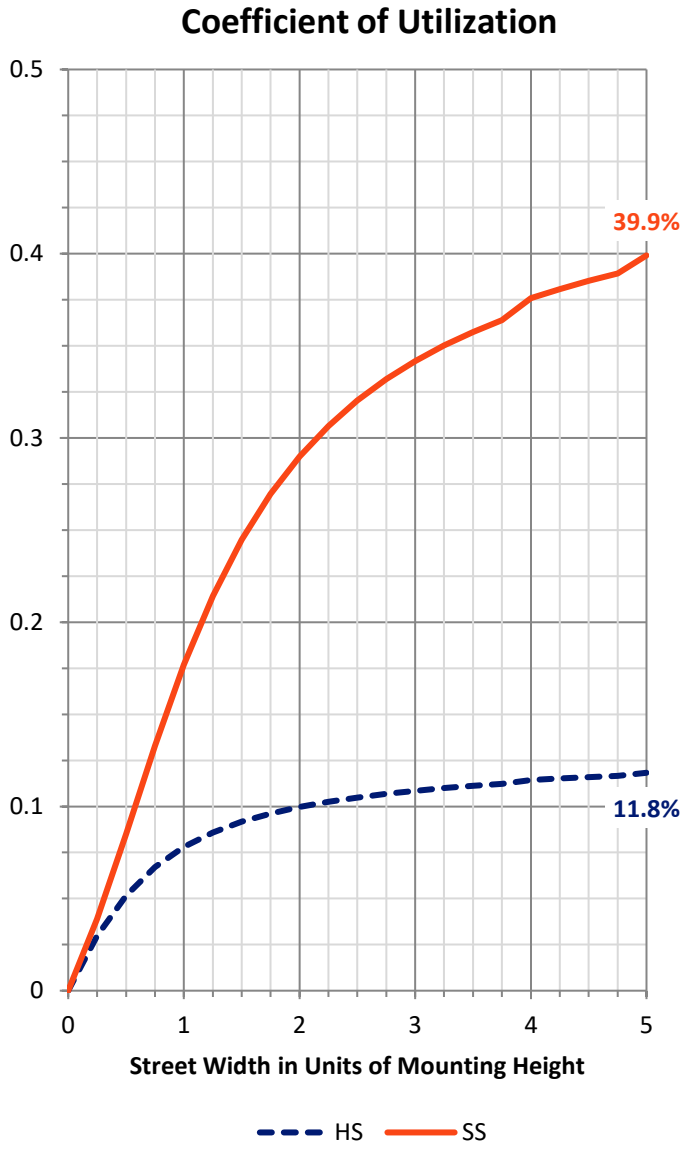
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.6	1009.1	2051.7
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	3686.2	2363.7	6049.9
	% Fixture	45.5	29.2	74.7
Total	Lumens	4728.8	3372.8	8101.6
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.2
10°-20°	72.1	0.9
20°-30°	188.0	2.3
30°-40°	364.9	4.5
40°-50°	573.0	7.1
50°-60°	760.5	9.4
60°-70°	886.3	10.9
70°-80°	941.6	11.6
80°-90°	929.7	11.5
90°-100°	857.2	10.6
100°-110°	748.1	9.2
110°-120°	615.0	7.6
120°-130°	465.6	5.7
130°-140°	318.0	3.9
140°-150°	194.9	2.4
150°-160°	106.9	1.3
160°-170°	51.6	0.6
170°-180°	15.3	0.2
0°-90°	4728.8	58.4
0°-180°	8101.6	100.0



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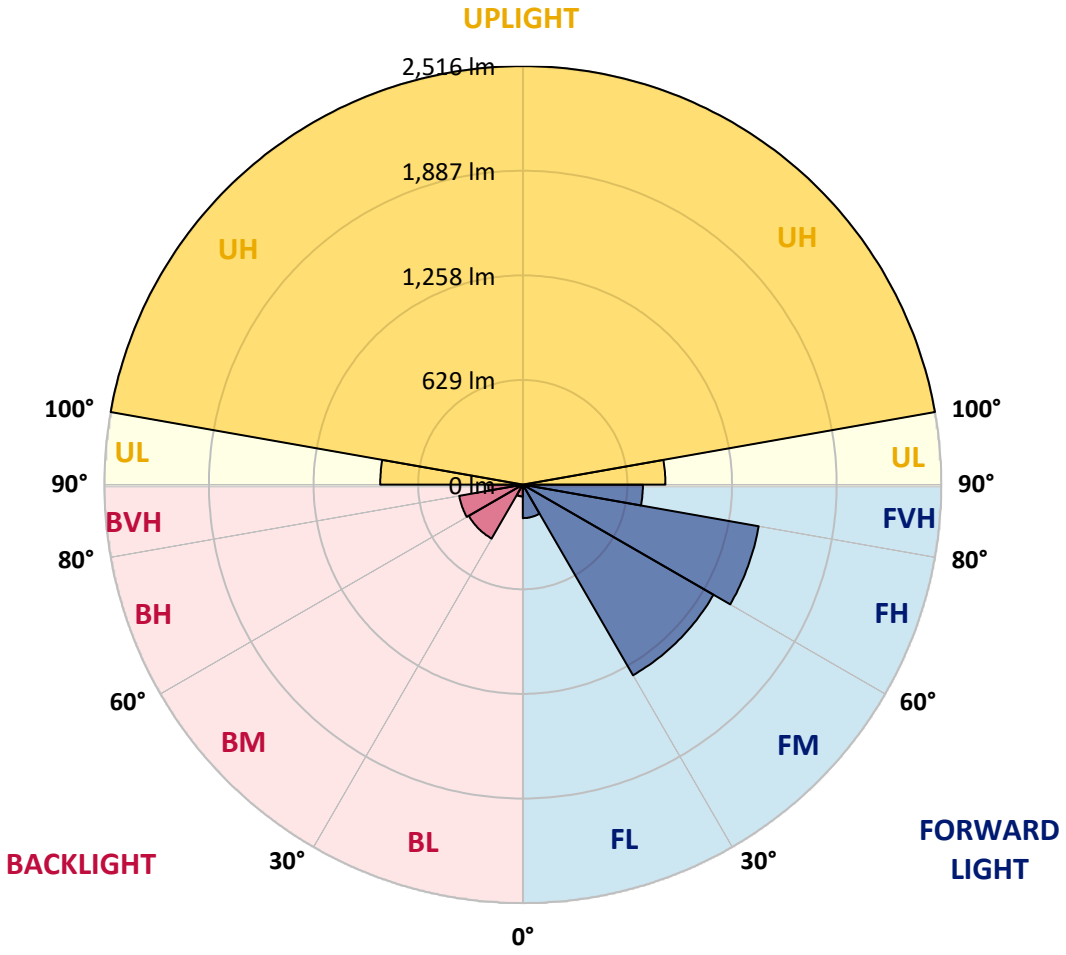
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	201.3	2.5			
FM	(30°-60°)	1323.6	16.3			
FH	(60°-80°)	1439.7	17.8			G1/1800
FVH	(80°-90°)	721.6	8.9			G4/750
BL	(0°-30°)	71.4	0.9	B0/110		
BM	(30°-60°)	374.8	4.6	B1/1000		
BH	(60°-80°)	388.2	4.8	B1/500		G1/500
BVH	(80°-90°)	208.1	2.6			G2/225
UL	(90°-100°)	857.2	10.6		U4/1000	
UH	(100°-180°)	2515.6	31.1		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	102.5	102.5	*102.5*	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	128.3	131.0	*128.3*	131.9	130.1	130.1	125.7	121.2	115.0	107.8	101.6
5°	181.8	180.9	*177.4*	180.9	177.4	172.9	165.8	154.2	142.6	131.9	118.5
7.5°	237.1	238.0	*235.3*	234.4	226.4	220.1	208.6	197.0	182.7	166.7	150.6
10°	296.8	295.0	*290.5*	291.4	282.5	270.0	256.7	243.3	227.3	208.6	188.1
12.5°	352.0	352.0	*348.5*	349.4	339.6	325.3	314.6	296.8	277.2	254.9	229.9
15°	410.9	407.3	*405.5*	405.5	395.7	383.2	371.7	352.0	328.9	303.9	275.4
17.5°	465.2	464.3	*462.6*	463.5	454.5	443.8	425.1	405.5	377.9	347.6	318.2
20°	534.8	531.2	*528.5*	524.1	518.7	504.4	486.6	460.8	433.1	400.2	361.0
22.5°	598.0	602.5	*595.4*	591.8	584.7	573.1	547.2	522.3	489.3	451.0	408.2
25°	671.1	674.7	*672.0*	667.5	657.7	641.7	617.6	590.0	550.8	507.1	456.3
27.5°	747.8	750.4	*743.3*	745.1	728.2	713.0	688.9	655.1	617.6	565.9	512.5
30°	823.5	828.9	*826.2*	820.0	805.7	792.3	763.8	728.2	685.4	628.3	566.8
32.5°	912.6	906.4	*907.3*	900.2	891.3	869.9	844.9	804.8	754.9	694.3	623.9
35°	995.5	992.9	*985.7*	989.3	974.1	954.5	923.3	880.6	826.2	759.3	681.8
37.5°	1069.5	1072.2	*1067.7*	1065.0	1055.2	1033.0	996.4	952.7	890.4	820.0	735.3
40°	1145.3	1147.0	*1146.2*	1146.2	1132.8	1107.8	1070.4	1021.4	957.2	881.4	789.7
42.5°	1217.5	1219.2	*1214.8*	1215.7	1205.0	1179.1	1139.0	1087.3	1016.0	936.7	836.9
45°	1287.0	1287.0	*1287.0*	1286.1	1270.9	1246.9	1205.9	1147.0	1075.7	985.7	880.6
47.5°	1351.1	1349.4	*1348.5*	1348.5	1338.7	1310.1	1266.5	1202.3	1124.8	1030.3	923.3
50°	1408.2	1409.1	*1408.2*	1406.4	1391.2	1368.1	1319.1	1252.2	1170.2	1073.1	959.0
52.5°	1457.2	1458.1	*1459.0*	1454.5	1444.7	1417.1	1362.7	1291.4	1208.5	1106.9	988.4
55°	1496.4	1498.2	*1500.0*	1498.2	1488.4	1455.4	1401.0	1328.9	1239.7	1135.5	1014.2
57.5°	1533.0	1532.1	*1533.0*	1531.2	1520.5	1488.4	1432.2	1354.7	1264.7	1158.6	1033.9
60°	1557.9	1558.8	*1558.8*	1558.8	1546.3	1513.3	1453.6	1374.3	1282.5	1176.5	1050.8
62.5°	1574.8	1575.7	*1578.4*	1576.6	1565.0	1530.3	1468.8	1388.6	1295.9	1188.0	1062.4
65°	1586.4	1587.3	*1589.1*	1587.3	1576.6	1541.0	1478.6	1397.5	1304.8	1197.0	1070.4
67.5°	*1591.8*	*1591.8*	*1594.5*	*1593.6*	*1581.1*	*1544.5*	*1482.2*	*1401.0*	*1308.4*	*1201.4*	*1075.7*
70°	1589.1	1590.0	*1591.8*	1590.9	1578.4	1541.9	1479.5	1399.3	1307.5	1201.4	1076.6
72.5°	1582.9	1582.9	*1584.6*	1582.9	1571.3	1534.7	1473.2	1393.9	1303.0	1199.6	1075.7
75°	1570.4	1571.3	*1572.2*	1571.3	1558.8	1523.2	1462.5	1384.1	1295.9	1193.4	1072.2
77.5°	1555.2	1556.1	*1556.1*	1556.1	1542.8	1507.1	1448.3	1371.6	1286.1	1186.3	1065.9
80°	1533.0	1533.8	*1535.6*	1533.8	1520.5	1488.4	1429.6	1356.5	1273.6	1174.7	1057.9
82.5°	1508.0	1507.1	*1509.8*	1508.9	1495.5	1463.4	1405.5	1336.0	1254.9	1161.3	1046.3
85°	1476.8	1476.8	*1478.6*	1476.8	1465.2	1431.4	1377.0	1311.0	1233.5	1141.7	1032.1
87.5°	1442.0	1442.0	*1443.8*	1440.3	1426.9	1397.5	1345.8	1281.6	1210.3	1122.1	1016.0
90°	1401.0	1402.8	*1402.8*	1400.2	1386.8	1358.3	1311.0	1249.5	1180.0	1098.0	997.3
92.5°	1361.8	1361.8	*1360.1*	1360.1	1345.8	1317.3	1273.6	1217.5	1152.4	1074.0	976.8
95°	1319.9	1319.9	*1317.3*	1315.5	1301.2	1277.2	1235.3	1183.6	1121.2	1049.0	956.3
97.5°	1275.4	1274.5	*1272.7*	1270.9	1256.7	1233.5	1196.1	1146.2	1089.1	1020.5	934.0
100°	1229.9	1230.8	*1224.6*	1223.7	1209.4	1189.8	1154.2	1107.8	1055.2	991.1	910.0
102.5°	1180.0	1181.8	*1176.5*	1175.6	1161.3	1139.9	1111.4	1069.5	1022.3	963.4	885.9
105°	1135.5	1131.0	*1128.3*	1126.5	1114.1	1094.5	1064.2	1031.2	986.6	931.4	859.2
107.5°	1084.7	1085.5	*1080.2*	1076.6	1064.2	1048.1	1021.4	991.1	951.9	899.3	833.3
110°	1033.9	1032.1	*1029.4*	1027.6	1013.4	999.1	975.9	951.0	912.6	867.2	805.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	981.3	982.2	*977.7*	975.0	965.2	950.1	933.1	909.1	876.1	833.3	775.4
115°	932.3	930.5	*926.9*	925.1	914.4	902.8	885.9	868.1	838.7	797.7	745.1
117.5°	882.3	878.8	*877.9*	875.2	867.2	855.6	842.2	827.1	798.6	762.9	713.0
120°	830.6	830.6	*828.9*	827.1	816.4	806.6	798.6	782.5	758.5	724.6	681.8
122.5°	782.5	781.6	*778.1*	775.4	770.0	761.1	751.3	738.8	717.5	687.2	646.2
125°	729.9	731.7	*729.0*	728.2	719.2	714.8	705.9	697.9	675.6	647.9	611.4
127.5°	686.3	683.6	*683.6*	679.1	674.7	670.2	663.1	652.4	637.2	608.7	574.9
130°	639.9	638.1	*635.5*	635.5	630.1	623.9	619.4	610.5	593.6	570.4	538.3
132.5°	593.6	591.8	*590.0*	587.3	583.8	582.9	578.4	568.6	552.6	532.1	504.4
135°	549.9	549.0	*548.1*	548.1	542.8	540.1	534.8	526.7	516.0	497.3	470.6
137.5°	508.9	506.2	*504.4*	504.4	502.7	498.2	493.8	487.5	475.9	460.8	436.7
140°	466.1	467.9	*467.9*	467.0	463.5	460.8	455.4	450.1	438.5	426.0	405.5
142.5°	430.5	429.6	*427.8*	426.9	425.1	421.6	418.9	412.7	405.5	392.2	374.3
145°	392.2	392.2	*391.3*	392.2	388.6	387.7	384.1	378.8	370.8	359.2	344.0
147.5°	358.3	358.3	*357.4*	358.3	355.6	352.9	350.3	346.7	339.6	330.7	317.3
150°	327.1	328.0	*326.2*	326.2	325.3	322.6	320.9	315.5	310.2	303.0	291.4
152.5°	298.6	299.5	*298.6*	297.7	296.8	295.0	292.3	288.8	283.4	277.2	267.4
155°	274.5	273.6	*273.6*	273.6	272.7	270.0	270.0	264.7	259.4	254.9	245.1
157.5°	251.3	251.3	*251.3*	251.3	249.6	248.7	246.9	242.4	239.7	233.5	226.4
160°	232.6	231.7	*231.7*	231.7	229.9	229.1	226.4	224.6	221.0	215.7	210.3
162.5°	213.9	214.8	*214.8*	214.8	213.0	212.1	210.3	208.6	205.9	200.5	197.0
165°	199.6	199.6	*199.6*	198.7	197.9	197.9	195.2	194.3	191.6	188.1	185.4
167.5°	188.1	188.1	*187.2*	188.1	186.3	184.5	183.6	181.8	180.0	178.3	175.6
170°	178.3	178.3	*178.3*	178.3	177.4	176.5	174.7	173.8	172.0	170.2	167.6
172.5°	170.2	170.2	*170.2*	170.2	169.3	168.4	166.7	165.8	164.9	163.1	161.3
175°	164.0	164.0	*164.0*	164.0	163.1	162.2	160.4	160.4	159.5	158.6	156.9
177.5°	159.5	159.5	*158.6*	158.6	157.8	156.9	156.9	156.0	156.0	155.1	154.2
180°	154.2	154.2	*154.2*	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	98.0	94.5	88.2	82.9	76.6	72.2	67.7	66.8	66.8	68.6	68.6
5°	113.2	105.2	92.7	81.1	67.7	57.9	49.0	41.0	35.7	33.0	33.0
7.5°	141.7	135.5	116.8	100.7	84.7	69.5	55.3	42.8	33.9	27.6	26.7
10°	178.3	168.4	146.2	125.7	104.3	85.6	68.6	53.5	42.8	37.4	37.4
12.5°	217.5	204.1	177.4	152.4	127.4	103.4	83.8	68.6	57.9	52.6	50.8
15°	259.4	244.2	212.1	180.0	149.7	123.9	101.6	82.9	72.2	66.8	66.0
17.5°	298.6	281.6	245.1	206.8	172.0	140.8	114.1	94.5	81.1	74.9	74.0
20°	341.3	319.1	276.3	231.7	190.7	153.3	123.0	99.8	83.8	76.6	75.8
22.5°	385.0	359.2	308.4	256.7	207.7	164.9	129.2	102.5	84.7	76.6	75.8
25°	431.4	402.8	343.1	283.4	226.4	176.5	135.5	105.2	86.5	76.6	75.8
27.5°	480.4	448.3	379.7	311.9	245.1	188.1	141.7	108.7	87.3	77.5	75.8
30°	533.0	496.4	417.1	339.6	262.9	198.7	147.1	110.5	88.2	77.5	76.6
32.5°	585.6	541.0	458.1	366.3	281.6	208.6	152.4	113.2	89.1	78.4	77.5
35°	636.4	592.7	495.5	393.9	299.5	218.4	156.9	115.0	90.9	79.3	77.5
37.5°	688.0	640.8	531.2	419.8	315.5	226.4	160.4	116.8	91.8	80.2	78.4
40°	737.1	681.8	565.9	444.7	328.9	233.5	163.1	117.6	92.7	81.1	79.3
42.5°	783.4	724.6	598.9	466.1	342.2	238.9	165.8	119.4	93.6	82.0	81.1
45°	822.6	762.0	627.4	487.5	352.0	243.3	167.6	120.3	94.5	82.9	82.0
47.5°	861.0	795.9	654.2	504.4	361.8	247.8	168.4	121.2	95.4	84.7	83.8
50°	894.8	826.2	678.2	519.6	369.0	249.6	169.3	122.1	97.1	86.5	85.6
52.5°	923.3	852.0	697.0	532.1	374.3	251.3	169.3	122.1	98.0	88.2	87.3
55°	946.5	874.3	713.9	541.0	377.9	252.2	169.3	123.0	99.8	90.0	89.1
57.5°	966.1	891.3	727.3	549.0	381.5	252.2	169.3	123.9	101.6	91.8	90.9
60°	980.4	905.5	737.1	554.4	382.3	251.3	169.3	124.8	103.4	94.5	93.6
62.5°	992.0	915.3	745.1	557.9	382.3	249.6	169.3	125.7	105.2	97.1	96.3
65°	1000.0	922.4	750.4	559.7	381.5	248.7	169.3	127.4	107.8	99.8	98.9
67.5°	*1004.4*	*927.8*	*754.0*	*561.5*	*380.6*	*248.7*	*170.2*	*130.1*	*110.5*	*103.4*	*102.5*
70°	1006.2	928.7	754.9	560.6	379.7	246.9	171.1	131.9	114.1	107.0	106.1
72.5°	1006.2	929.6	754.9	560.6	377.9	247.8	172.0	134.6	117.6	110.5	109.6
75°	1003.6	926.9	754.0	558.8	377.0	246.9	174.7	138.1	121.2	115.0	114.1
77.5°	998.2	923.3	751.3	556.1	376.1	247.8	176.5	141.7	125.7	119.4	119.4
80°	992.0	918.0	747.8	553.5	375.2	249.6	179.1	146.2	130.1	124.8	123.9
82.5°	982.2	910.0	741.5	549.9	373.4	250.4	182.7	150.6	135.5	129.2	129.2
85°	968.8	898.4	733.5	545.4	371.7	252.2	186.3	154.2	140.8	134.6	134.6
87.5°	954.5	885.9	723.7	540.1	370.8	254.0	190.7	159.5	145.3	139.9	139.0
90°	937.6	870.8	713.9	533.9	369.9	256.7	194.3	164.9	151.5	146.2	145.3
92.5°	919.8	855.6	703.2	529.4	369.0	259.4	199.6	171.1	157.8	152.4	151.5
95°	901.9	839.6	692.5	523.2	369.0	262.9	205.0	177.4	164.0	158.6	157.8
97.5°	881.4	821.7	680.0	517.8	369.0	267.4	211.2	183.6	170.2	164.9	164.9
100°	860.1	803.9	667.5	512.5	369.9	271.8	217.5	190.7	177.4	172.0	172.0
102.5°	838.7	784.3	656.0	508.0	371.7	278.1	225.5	198.7	185.4	180.0	179.1
105°	815.5	764.7	642.6	501.8	373.4	283.4	232.6	205.9	192.5	187.2	187.2
107.5°	792.3	744.2	629.2	497.3	375.2	288.8	240.6	213.9	200.5	194.3	194.3
110°	766.5	721.9	615.0	492.0	377.0	295.0	246.9	221.0	206.8	201.4	200.5

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

Scaled Data Report

REPORT NUMBER: P1045878
CATALOG NUMBER: FFX-CLB-80-727-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	739.7	699.6	599.8	484.8	377.9	300.4	254.0	228.2	213.9	207.7	206.8
115°	711.2	674.7	582.9	477.7	377.9	304.8	259.4	233.5	219.2	213.0	212.1
117.5°	682.7	647.9	564.2	467.9	377.0	307.5	263.8	237.1	222.8	216.6	215.7
120°	652.4	621.2	545.4	458.1	373.4	308.4	265.6	239.7	224.6	218.4	217.5
122.5°	621.2	592.7	523.2	444.7	368.1	307.5	265.6	239.7	224.6	217.5	216.6
125°	587.3	562.4	500.0	428.7	360.1	303.9	263.8	238.0	222.8	215.7	213.9
127.5°	554.4	532.1	475.9	412.7	350.3	298.6	260.2	234.4	219.2	212.1	211.2
130°	522.3	500.0	451.0	394.8	338.7	291.4	254.0	229.1	214.8	206.8	205.9
132.5°	488.4	467.9	426.0	376.1	325.3	282.5	247.8	223.7	208.6	202.3	200.5
135°	454.5	438.5	400.2	356.5	311.9	272.7	240.6	217.5	203.2	196.1	196.1
137.5°	424.2	408.2	374.3	336.9	297.7	261.1	231.7	210.3	197.0	190.7	189.8
140°	393.0	380.6	350.3	317.3	282.5	250.4	224.6	204.1	191.6	185.4	184.5
142.5°	363.6	351.2	327.1	296.8	267.4	238.9	215.7	197.0	185.4	180.0	179.1
145°	334.2	325.3	302.1	278.1	252.2	227.3	205.9	189.8	180.0	174.7	174.7
147.5°	308.4	300.4	279.9	259.4	237.1	216.6	197.9	183.6	174.7	170.2	169.3
150°	283.4	276.3	259.4	242.4	221.9	205.0	188.9	177.4	169.3	165.8	164.9
152.5°	260.2	254.9	240.6	226.4	209.4	194.3	181.8	172.0	164.9	161.3	161.3
155°	240.6	236.2	223.7	211.2	197.9	185.4	174.7	166.7	161.3	158.6	157.8
157.5°	223.7	218.4	208.6	198.7	188.1	177.4	169.3	162.2	158.6	156.0	156.0
160°	207.7	203.2	195.2	188.1	179.1	171.1	164.0	159.5	156.0	154.2	154.2
162.5°	194.3	190.7	184.5	178.3	172.0	165.8	160.4	156.9	154.2	152.4	152.4
165°	182.7	180.9	175.6	171.1	165.8	161.3	157.8	155.1	153.3	152.4	152.4
167.5°	173.8	172.0	168.4	164.9	161.3	157.8	155.1	153.3	152.4	151.5	151.5
170°	166.7	164.9	163.1	160.4	157.8	155.1	153.3	152.4	151.5	151.5	151.5
172.5°	161.3	159.5	158.6	156.9	155.1	153.3	152.4	151.5	151.5	151.5	151.5
175°	156.9	156.0	155.1	154.2	153.3	152.4	151.5	151.5	151.5	151.5	151.5
177.5°	154.2	153.3	153.3	152.4	152.4	151.5	151.5	152.4	152.4	152.4	153.3
180°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2

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: SP1-2501-332-3

Test Date: 03/21/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

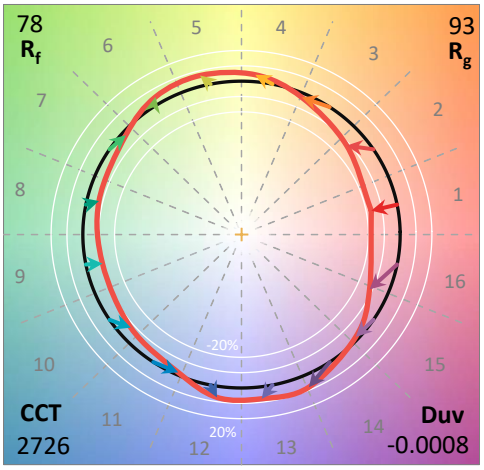
Test Information

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

Spectral Parameters

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

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



Test Conditions

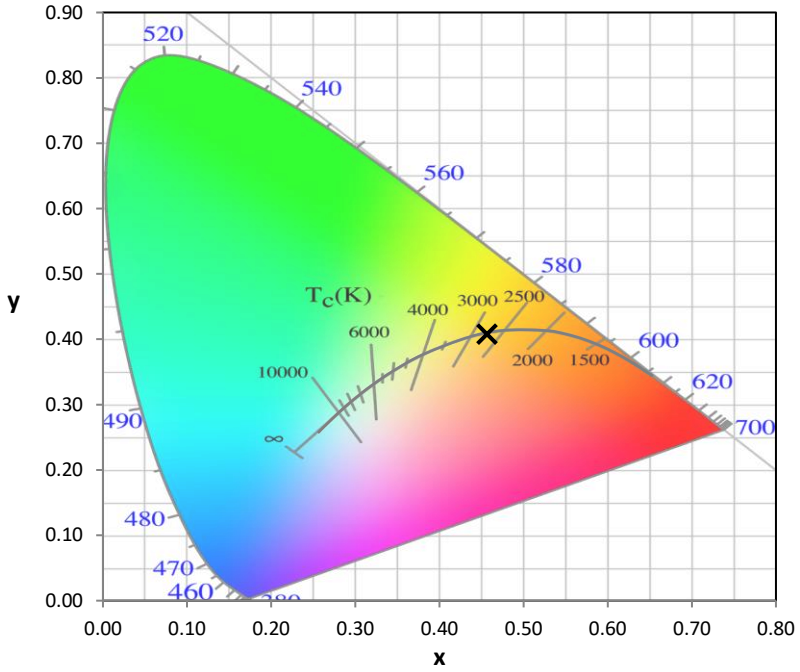
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

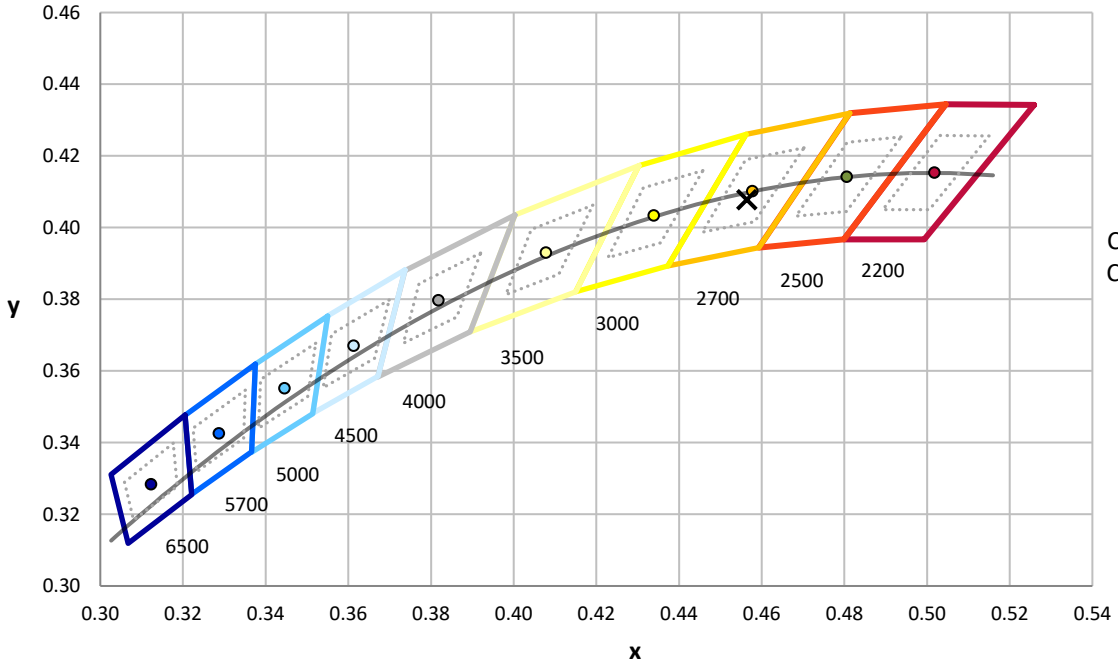
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

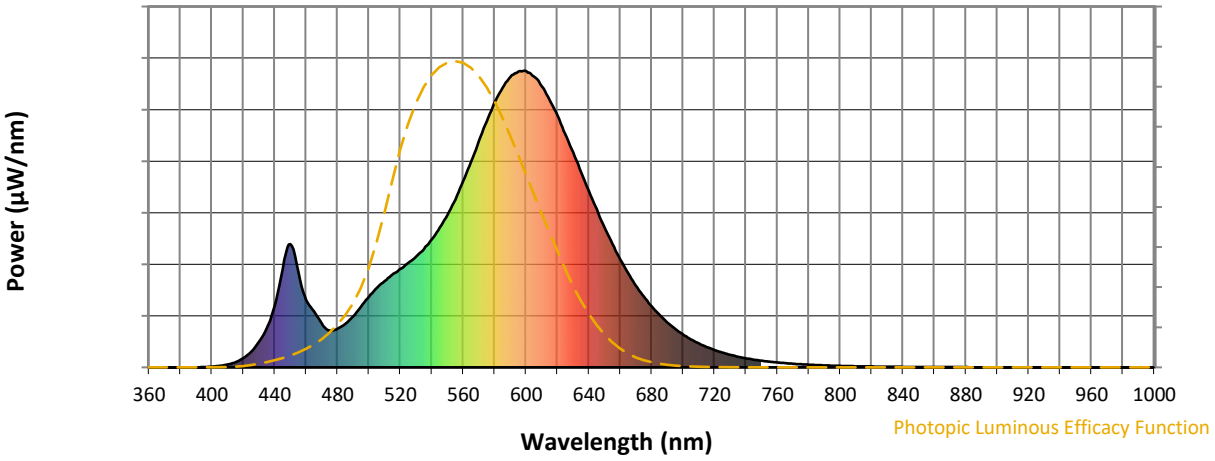


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

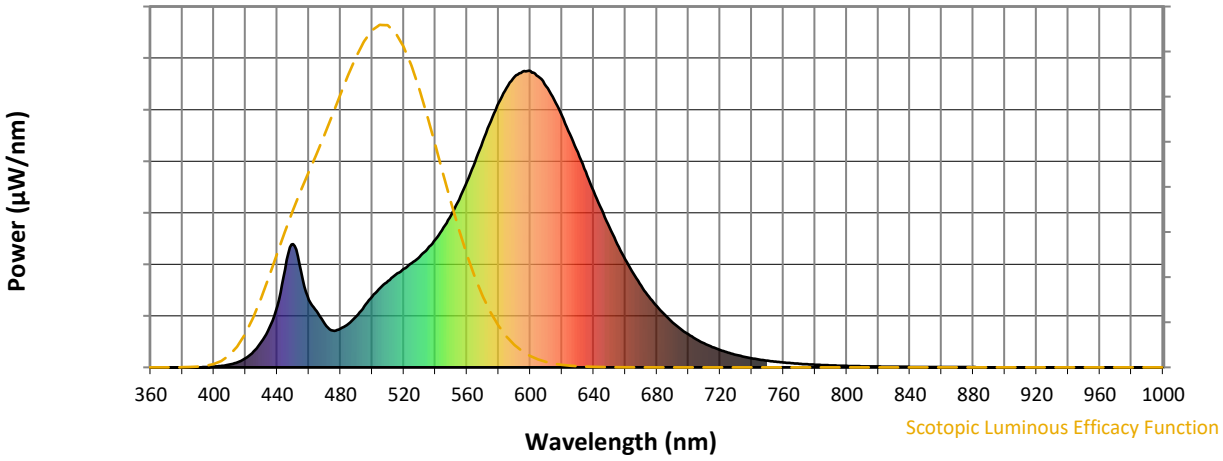


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

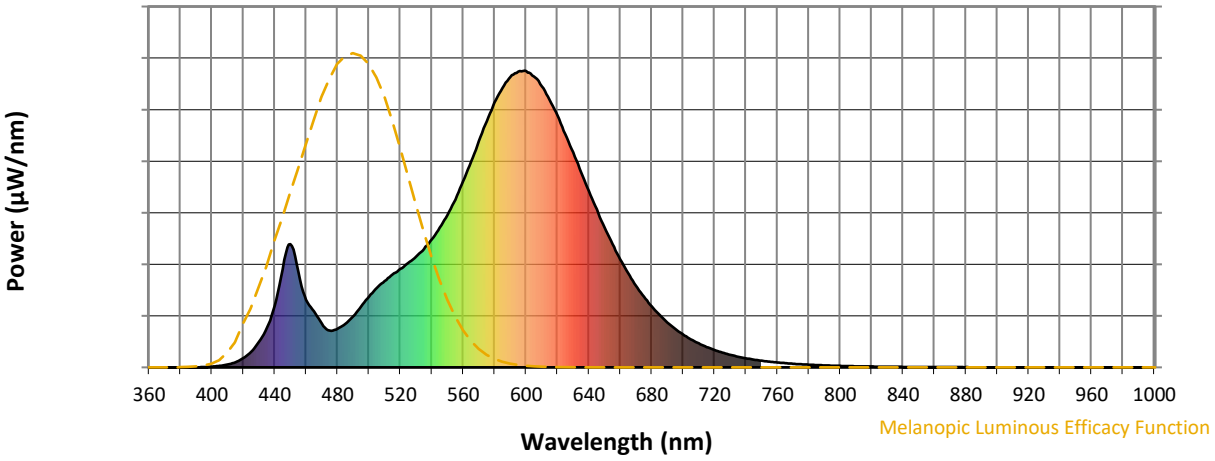


Scotopic Lumens: NR **S/P: 1.16**

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

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



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

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

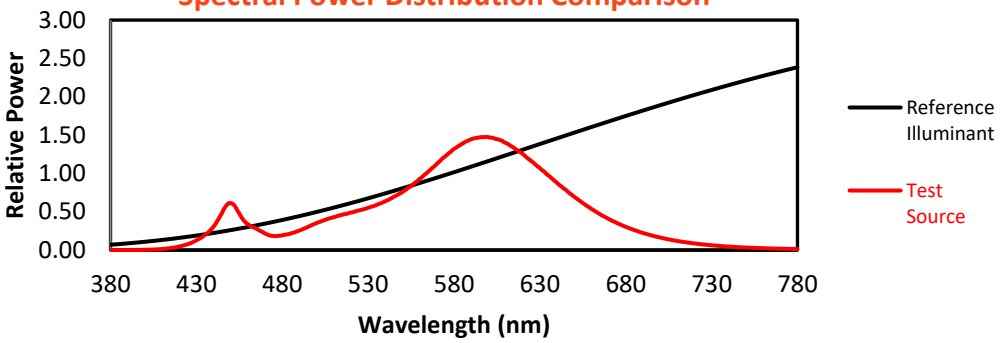
REPORT NUMBER: SP1-2501-332-3

TM-30-18

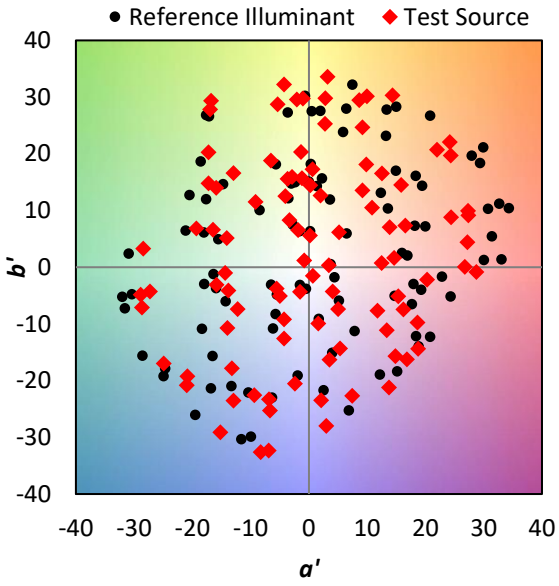
Summary

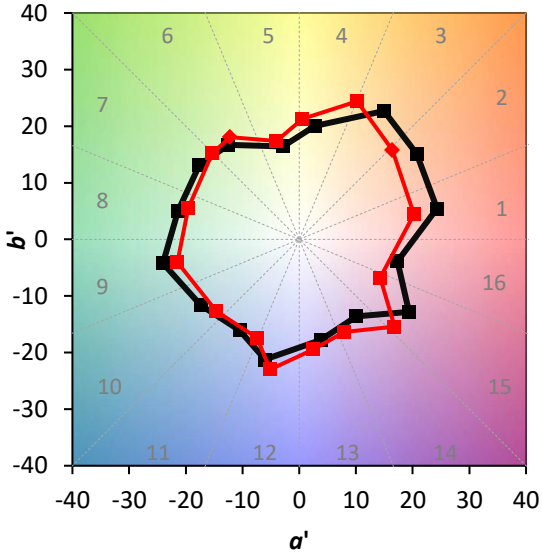
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

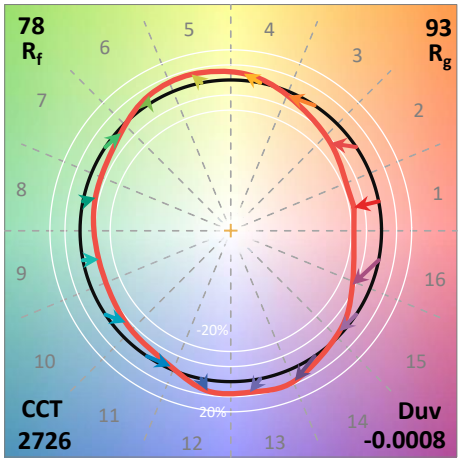
Spectral Power Distribution Comparison

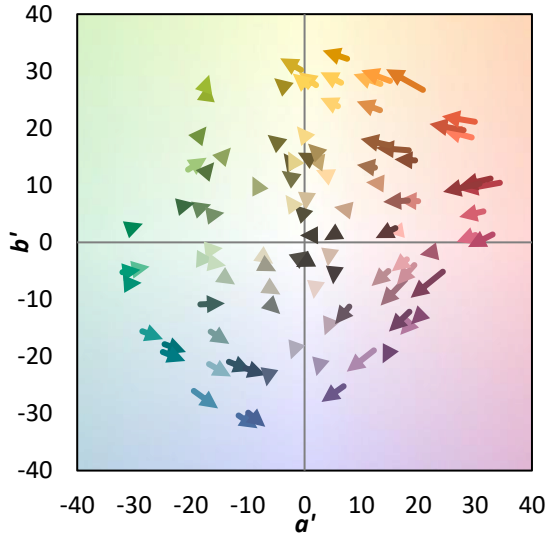


Color Vector Graphics







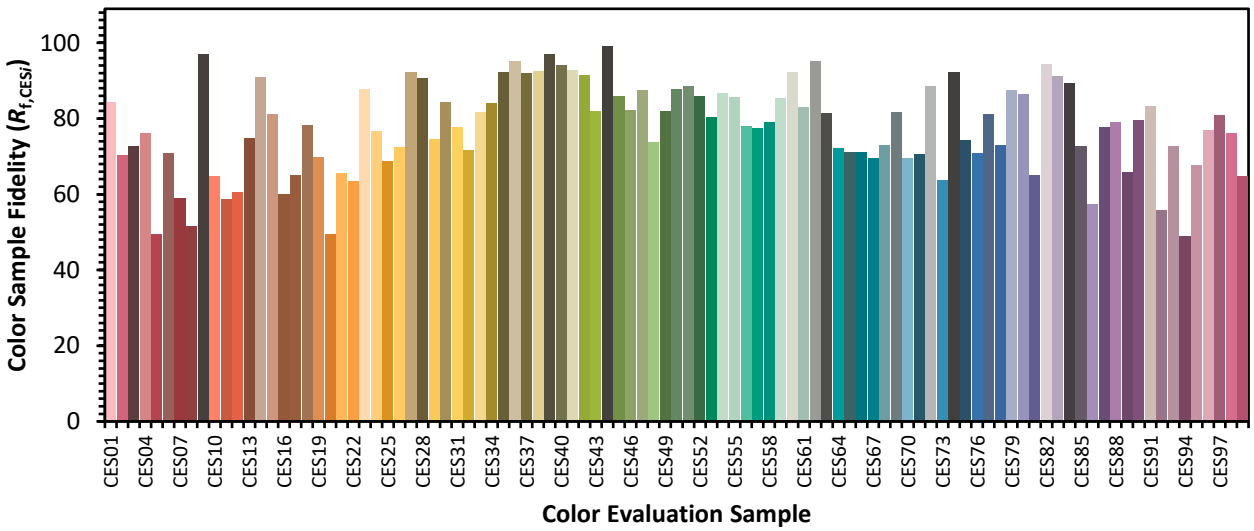


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

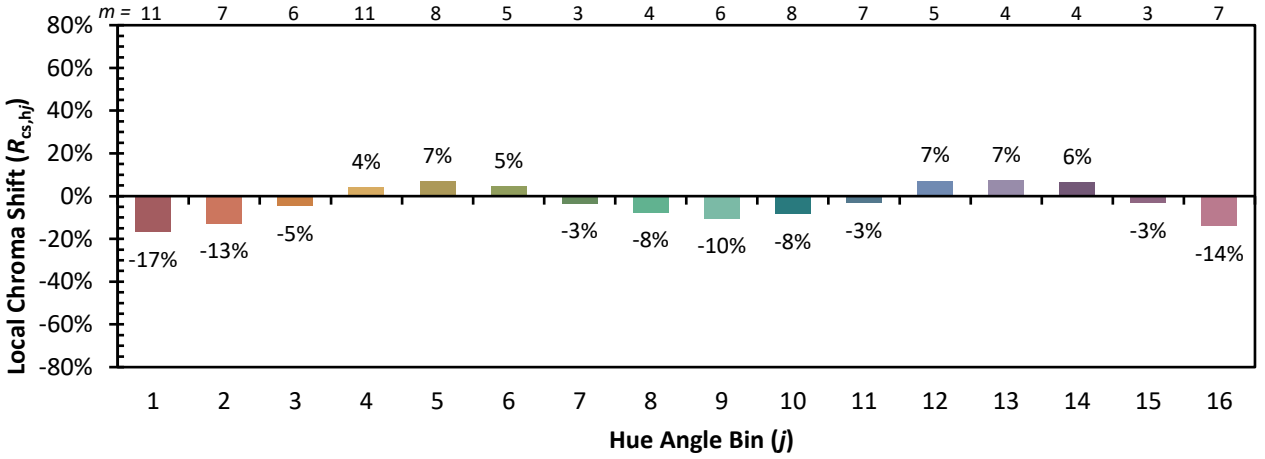
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

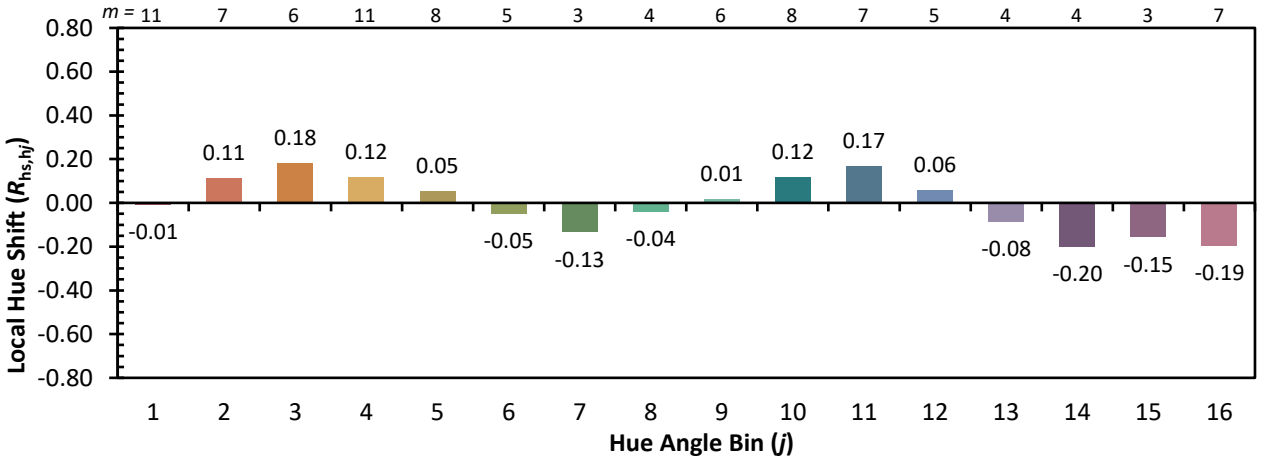


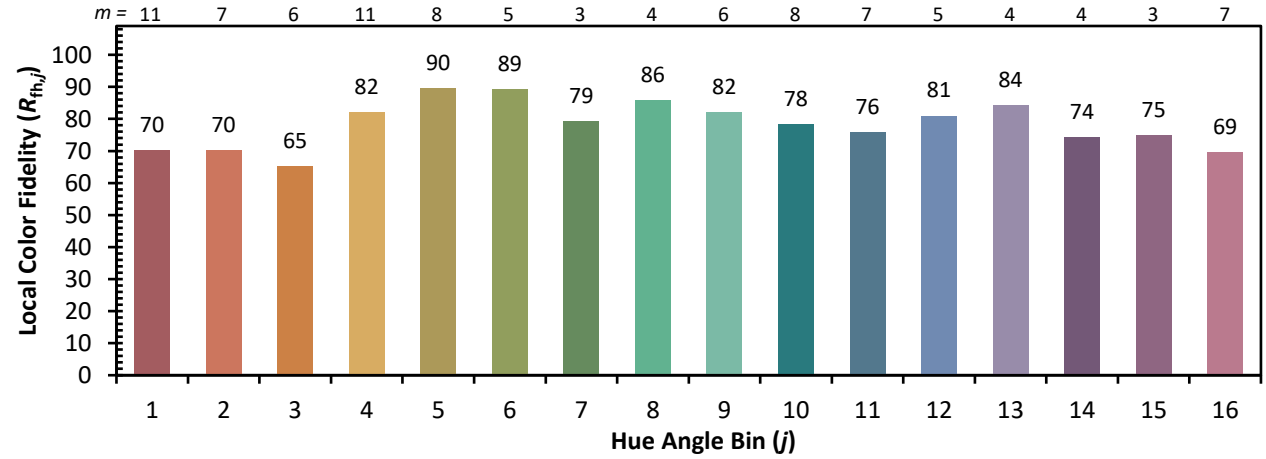
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Color Rendition by Hue-Angle Bin



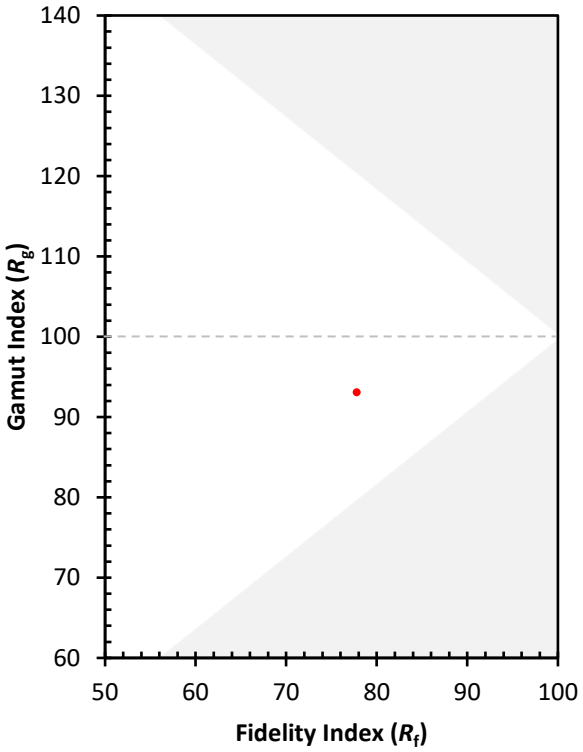


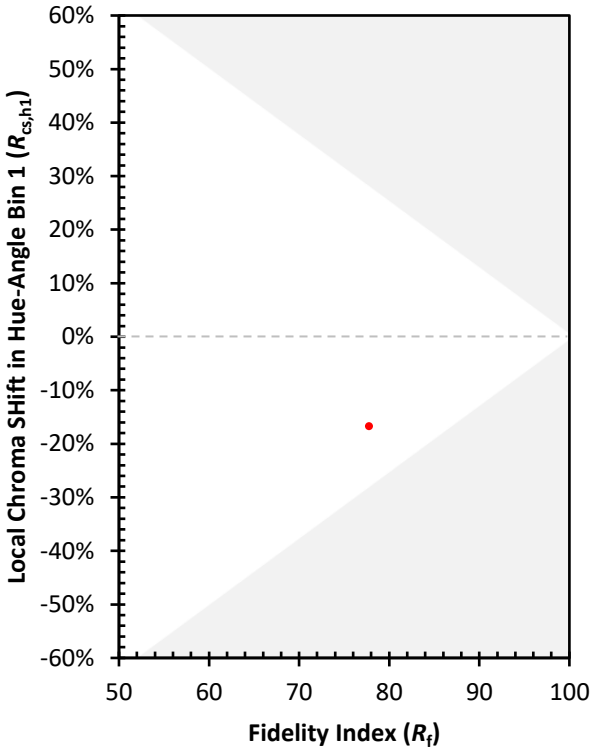


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Measure Comparisons





(END OF REPORT)