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: P1223945

Luminaire Tested: **FFX-CLB-60-730-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223945
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8357.7 lumens
Efficiency:	N/A
Efficacy:	137.9 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

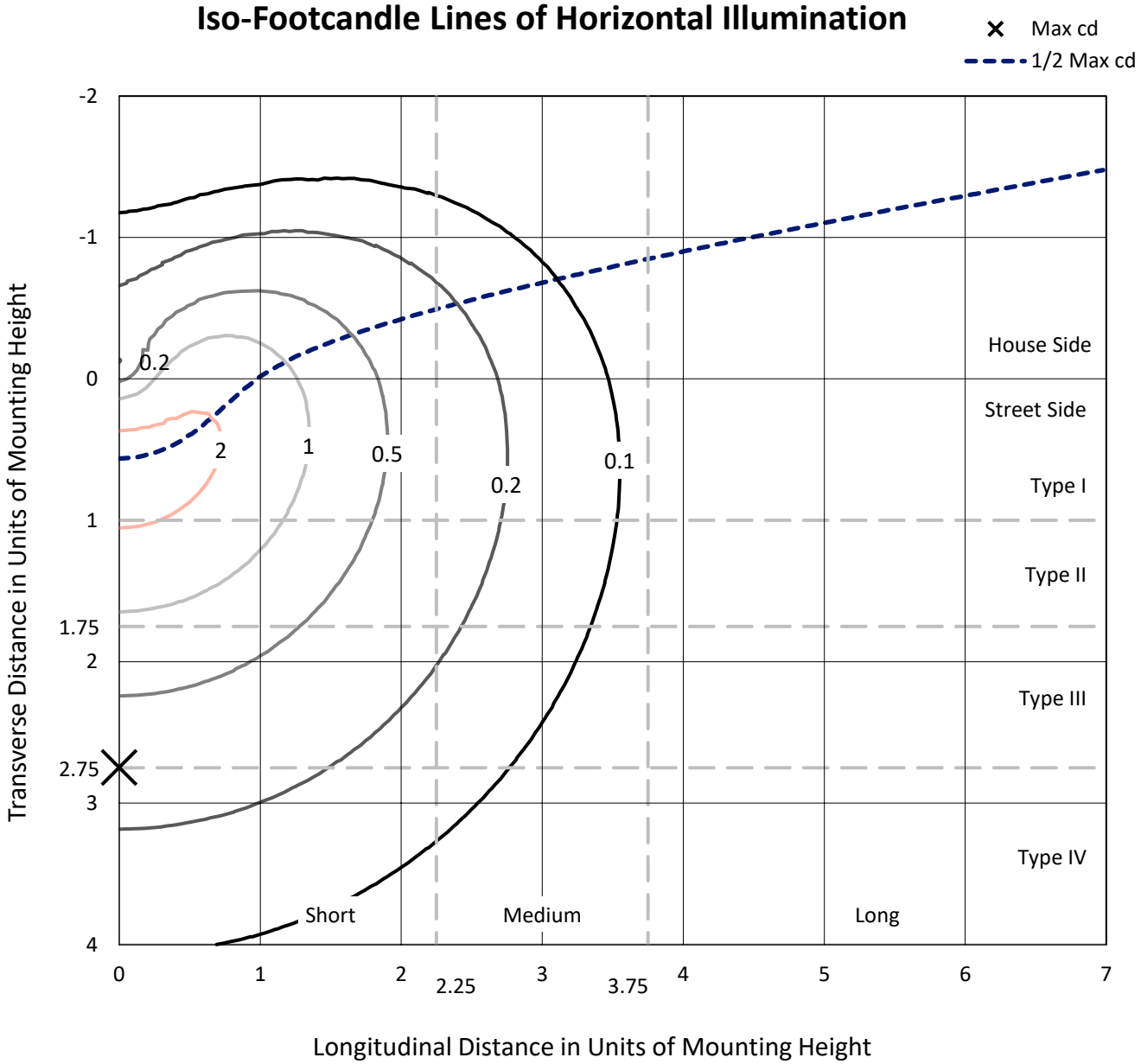


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Iso-Footcandle Lines of Horizontal Illumination



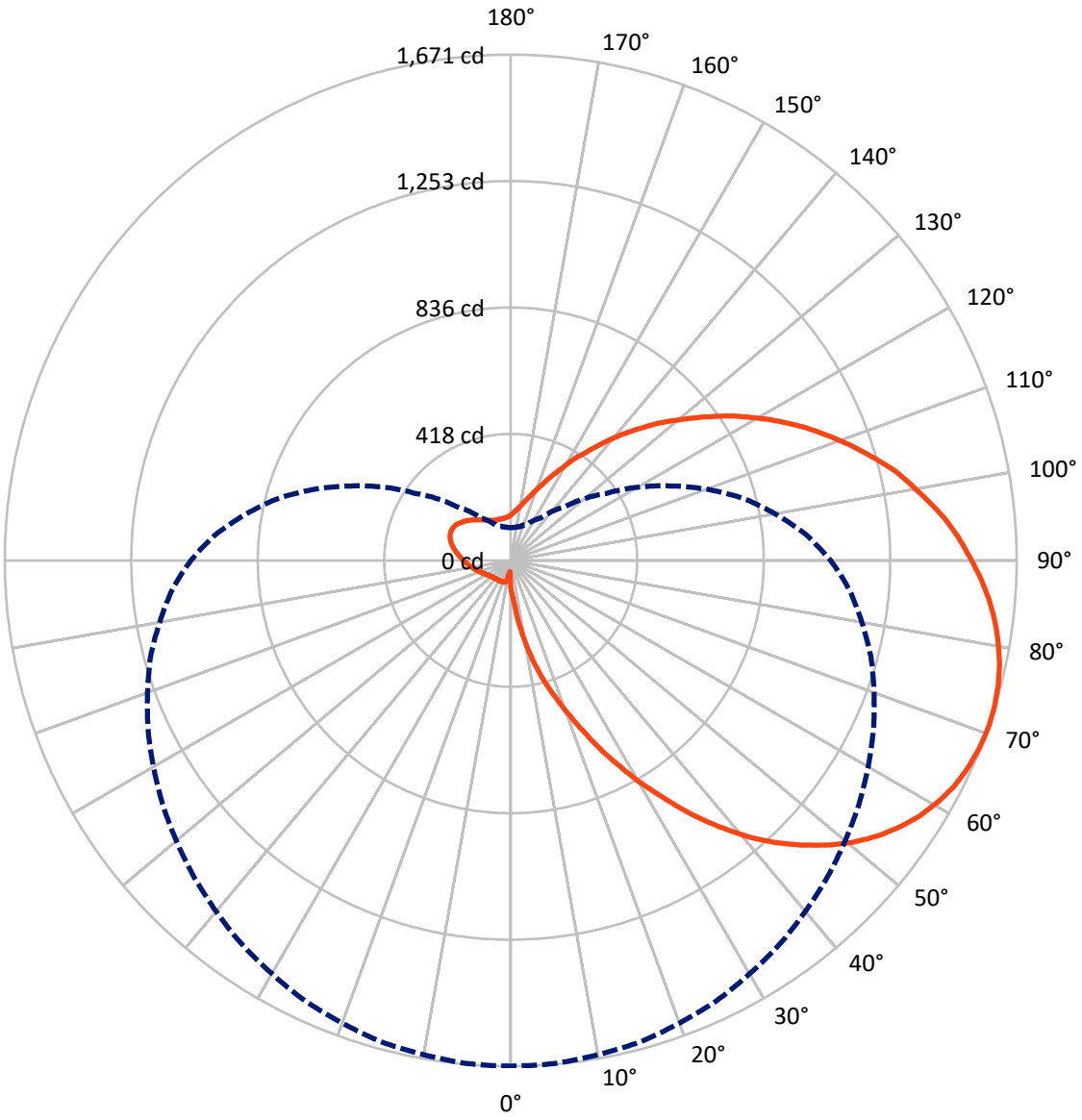
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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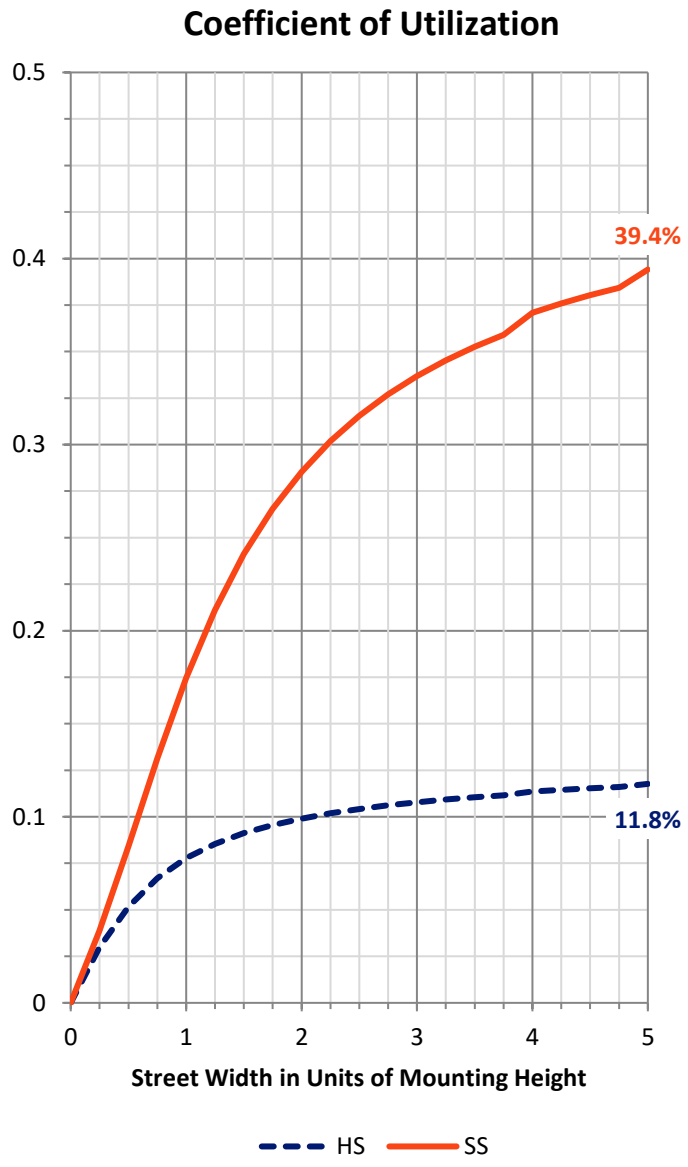
REPORT NUMBER: P1223945
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.7	1034.0	2105.6
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	3764.4	2487.6	6252.0
	% Fixture	45.0	29.8	74.8
Total	Lumens	4836.1	3521.6	8357.7
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.2
10°-20°	73.1	0.9
20°-30°	192.2	2.3
30°-40°	373.4	4.5
40°-50°	581.8	7.0
50°-60°	767.6	9.2
60°-70°	901.4	10.8
70°-80°	969.7	11.6
80°-90°	964.2	11.5
90°-100°	896.5	10.7
100°-110°	787.1	9.4
110°-120°	647.4	7.7
120°-130°	487.4	5.8
130°-140°	330.3	4.0
140°-150°	200.0	2.4
150°-160°	107.7	1.3
160°-170°	50.7	0.6
170°-180°	14.7	0.2
0°-90°	4836.1	57.9
0°-180°	8357.7	100.0



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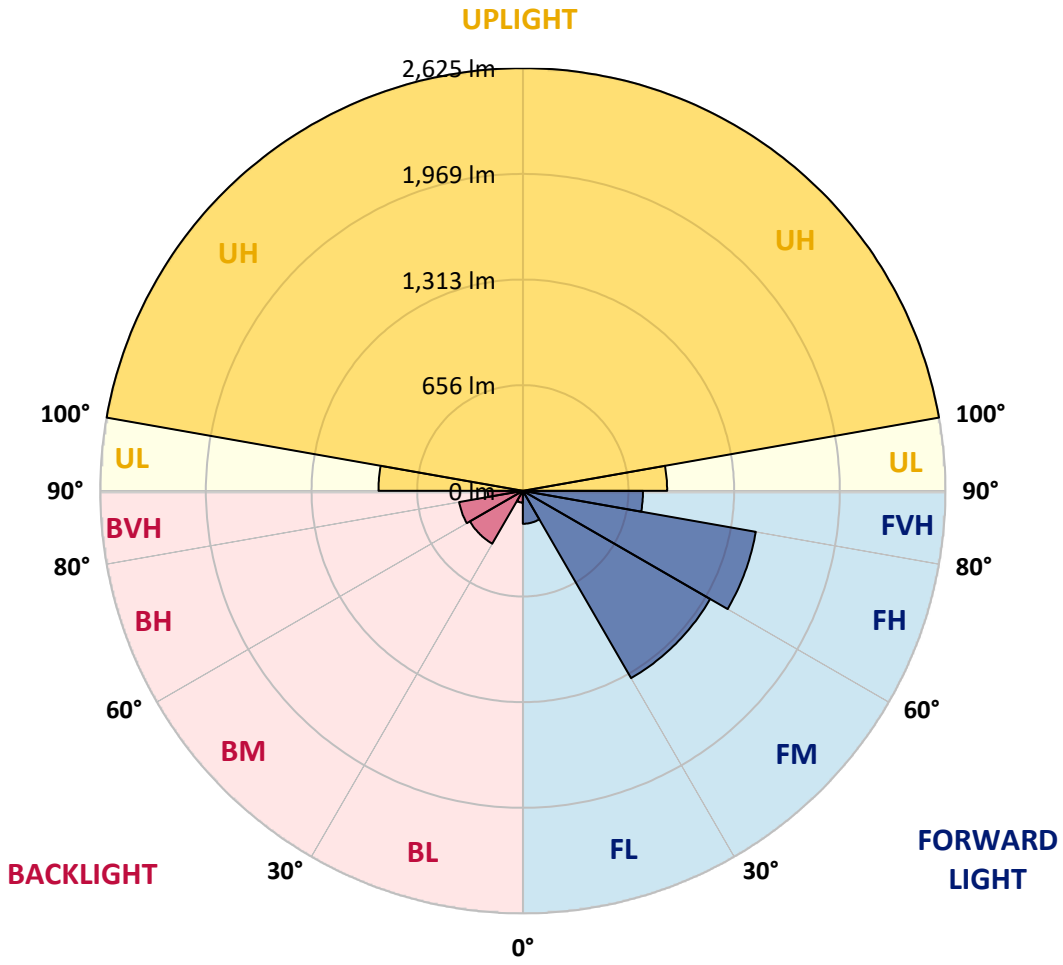
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	204.7	2.4			
FM	(30°-60°)	1343.6	16.1			
FH	(60°-80°)	1469.5	17.6			G1/1800
FVH	(80°-90°)	746.5	8.9			G4/750
BL	(0°-30°)	73.1	0.9	B0/110		
BM	(30°-60°)	379.2	4.5	B1/1000		
BH	(60°-80°)	401.6	4.8	B1/500		G1/500
BVH	(80°-90°)	217.7	2.6			G2/225
UL	(90°-100°)	896.5	10.7		U4/1000	
UH	(100°-180°)	2625.1	31.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*95.6*	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	*116.4*	117.1	116.4	116.4	117.7	116.4	115.2	110.9	106.0	99.9	96.8
5°	*163.0*	163.0	166.1	166.1	163.0	156.3	148.3	137.3	127.5	117.1	109.7
7.5°	*222.5*	223.7	221.2	215.1	211.4	197.9	190.0	175.9	163.6	149.5	142.8
10°	*284.4*	285.0	281.9	276.4	264.7	251.3	239.6	223.1	207.1	188.8	178.9
12.5°	*350.5*	349.3	343.8	331.5	324.8	309.5	294.2	277.0	255.6	232.9	221.2
15°	*413.7*	411.2	408.8	395.9	386.7	371.4	353.6	330.3	305.2	280.1	262.9
17.5°	*474.3*	468.8	465.1	459.0	444.9	431.4	408.8	381.2	354.2	321.1	303.4
20°	*539.3*	540.5	534.4	525.8	510.5	490.9	468.8	439.4	405.7	366.5	345.0
22.5°	*612.2*	612.2	608.5	597.5	581.6	556.5	530.7	500.1	458.4	417.3	391.0
25°	*693.1*	688.8	683.9	669.8	656.3	629.4	598.7	565.6	522.1	472.5	443.1
27.5°	*773.4*	771.6	766.7	751.3	734.2	706.0	675.3	632.4	585.3	527.0	496.4
30°	*858.6*	856.7	851.8	837.1	812.0	784.4	747.7	701.7	650.2	584.6	550.9
32.5°	*940.7*	940.7	934.6	919.2	892.9	859.8	820.6	769.1	712.1	644.7	604.3
35°	*1032.0*	1031.4	1020.4	1002.0	970.1	941.3	897.2	843.3	778.9	701.7	658.8
37.5°	*1116.0*	1112.9	1101.9	1082.3	1052.8	1015.5	965.8	906.4	840.2	758.1	709.7
40°	*1198.7*	1195.0	1185.2	1163.2	1127.6	1085.3	1034.5	970.7	896.0	810.8	760.5
42.5°	*1273.5*	1272.2	1258.1	1231.8	1196.3	1148.4	1093.9	1026.5	951.7	859.8	806.5
45°	*1341.5*	1341.5	1327.4	1298.6	1258.1	1209.7	1149.7	1080.4	1000.8	904.5	848.2
47.5°	*1405.8*	1405.8	1392.4	1359.3	1314.5	1261.2	1199.9	1128.2	1043.7	945.0	884.9
50°	*1464.1*	1461.6	1446.3	1409.5	1364.2	1308.4	1244.1	1168.7	1083.5	981.1	920.5
52.5°	*1514.3*	1511.2	1493.5	1459.2	1408.3	1348.8	1281.4	1204.8	1116.0	1012.4	950.5
55°	*1556.6*	1554.8	1537.6	1498.4	1445.1	1385.6	1313.9	1234.2	1146.6	1038.8	976.2
57.5°	*1593.4*	1590.3	1570.1	1530.2	1476.9	1412.0	1339.7	1260.6	1169.9	1062.7	997.7
60°	*1620.9*	1617.9	1597.0	1557.2	1503.3	1434.6	1362.3	1282.0	1190.1	1081.7	1015.5
62.5°	*1643.6*	1639.9	1619.7	1577.4	1521.1	1453.6	1379.5	1298.0	1206.1	1097.0	1030.8
65°	*1657.7*	1654.6	1635.0	1592.8	1534.5	1466.5	1392.4	1310.2	1218.9	1108.6	1042.4
67.5°	*1666.9*	1664.5	1644.2	1603.2	1545.0	1475.7	1400.3	1318.2	1227.5	1117.2	1051.0
70°	*1671.2*	*1668.7*	*1647.9*	*1606.2*	*1548.6*	*1479.4*	*1404.0*	*1321.9*	*1231.8*	*1123.3*	*1056.5*
71°	*1671.2*	1668.7	1648.5	1606.8	1549.2	1480.0	1404.6	1322.5	1232.4	1123.9	1057.1
72.5°	*1669.4*	1667.5	1647.3	1605.0	1547.4	1478.8	1402.8	1321.9	1232.4	1124.5	1058.4
75°	*1662.6*	1658.9	1639.3	1598.3	1541.3	1472.6	1397.3	1316.4	1228.7	1122.7	1057.1
77.5°	*1650.4*	1647.3	1627.1	1587.2	1530.2	1461.0	1386.2	1307.2	1221.4	1116.6	1052.2
80°	*1632.6*	1629.5	1609.9	1568.9	1512.5	1445.7	1370.9	1293.1	1208.5	1106.8	1043.7
82.5°	*1609.9*	1607.5	1588.5	1547.4	1491.6	1425.5	1350.7	1274.7	1194.4	1093.3	1031.4
85°	*1582.9*	1579.9	1559.0	1518.6	1465.3	1399.1	1326.2	1252.6	1174.2	1076.7	1016.7
87.5°	*1550.5*	1548.6	1527.8	1489.2	1435.9	1370.3	1300.4	1228.7	1151.5	1058.4	1000.1
90°	*1514.9*	1514.3	1492.2	1453.6	1400.9	1339.0	1269.8	1199.9	1125.2	1036.3	979.9
92.5°	*1479.4*	1479.4	1457.3	1417.5	1365.4	1304.1	1238.5	1171.1	1100.0	1014.2	960.3
95°	*1440.2*	1435.9	1415.0	1379.5	1327.4	1268.6	1205.4	1139.3	1070.6	989.1	938.2
97.5°	*1394.2*	1393.0	1372.7	1334.8	1286.9	1230.6	1169.3	1108.0	1041.8	963.4	915.0
100°	*1349.5*	1347.0	1328.0	1293.1	1244.1	1190.1	1132.5	1073.7	1011.2	937.0	890.4
102.5°	*1305.3*	1299.2	1279.6	1244.1	1201.2	1148.4	1094.5	1040.6	979.3	908.8	865.3
105°	*1252.0*	1251.4	1231.2	1197.5	1154.0	1107.4	1056.5	1003.8	948.1	880.0	839.6
107.5°	*1199.9*	1199.9	1180.9	1147.8	1106.8	1062.0	1016.7	967.1	915.6	850.0	813.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1146.6*	1146.0	1128.8	1099.4	1060.2	1017.3	975.6	930.3	878.8	821.2	785.0
112.5°	*1093.9*	1092.7	1076.1	1046.1	1009.9	975.0	933.3	891.7	844.5	791.2	756.8
115°	*1040.6*	1039.4	1021.6	995.2	962.1	926.0	891.1	851.2	810.2	756.8	726.8
117.5°	*985.4*	984.2	969.5	943.8	912.5	883.7	848.8	814.5	772.8	724.4	694.3
120°	*929.1*	929.7	915.0	891.7	862.9	835.9	805.3	774.0	735.4	689.4	660.6
122.5°	*875.7*	871.4	861.6	840.8	815.1	789.9	764.2	732.3	696.2	652.7	627.5
125°	*818.7*	817.5	807.7	786.9	764.8	745.2	721.3	692.5	659.4	615.3	592.6
127.5°	*763.6*	765.4	754.4	739.1	717.6	701.1	676.6	651.4	619.6	579.7	558.3
130°	*712.1*	710.9	704.8	688.8	671.1	653.9	635.5	612.8	582.8	543.0	523.4
132.5°	*664.3*	658.8	653.3	639.8	625.1	611.0	595.1	572.4	541.7	506.8	489.7
135°	*612.2*	612.2	603.6	592.0	581.6	568.1	552.2	531.3	505.0	474.3	454.7
137.5°	*564.4*	562.0	556.5	547.3	537.5	527.6	514.2	493.3	470.0	440.6	423.5
140°	*519.1*	517.2	512.3	504.4	496.4	487.2	474.9	457.2	435.7	407.5	392.8
142.5°	*471.9*	473.1	468.8	463.3	454.1	448.0	437.0	421.0	402.0	377.5	363.4
145°	*429.6*	430.2	428.4	422.9	416.1	410.0	398.3	386.7	368.3	346.3	335.8
147.5°	*394.7*	392.2	388.5	385.5	379.3	374.4	365.2	354.2	337.1	318.1	308.3
150°	*355.4*	357.3	353.6	349.9	346.3	339.5	332.8	323.6	307.6	292.3	281.9
152.5°	*322.4*	323.6	320.5	318.7	315.0	309.5	302.7	294.2	281.9	268.4	258.6
155°	*292.9*	292.9	292.9	290.5	286.2	282.5	275.8	267.8	257.4	245.1	238.4
157.5°	*266.0*	266.6	266.6	263.5	260.5	257.4	251.9	245.1	235.9	225.5	220.6
160°	*244.5*	243.3	242.7	240.2	237.8	235.3	230.4	224.9	216.9	208.4	204.1
162.5°	*223.1*	223.1	221.8	220.0	218.2	214.5	211.4	205.9	200.4	194.3	189.4
165°	*206.5*	205.9	205.9	203.5	201.6	198.6	195.5	191.8	186.9	181.4	177.7
167.5°	*192.4*	191.2	190.6	189.4	186.9	185.1	182.0	178.9	175.3	171.6	168.5
170°	*178.9*	179.6	178.3	177.1	175.9	174.0	171.6	169.1	166.1	162.4	161.2
172.5°	*169.8*	169.1	168.5	167.3	166.1	164.2	163.0	160.6	158.7	156.3	155.0
175°	*161.2*	161.2	160.6	159.3	158.1	156.9	155.7	154.4	153.2	151.4	150.8
177.5°	*154.4*	154.4	154.4	153.2	152.6	152.0	150.8	150.1	149.5	148.3	148.3
180°	*147.7*	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	93.8	85.8	79.1	72.9	68.0	63.7	61.3	57.0	53.9	52.1
5°	105.4	93.8	84.0	74.2	66.8	58.8	50.9	42.9	38.0	37.4
7.5°	133.6	120.7	106.0	93.2	78.4	66.2	55.8	47.8	44.7	44.1
10°	169.1	150.1	130.5	111.5	92.5	77.2	66.2	58.8	55.2	54.5
12.5°	208.4	182.6	157.5	133.0	110.3	93.2	79.7	71.1	66.8	66.8
15°	248.8	216.9	185.1	155.0	128.7	107.2	90.7	79.7	74.8	74.2
17.5°	284.4	248.2	210.2	174.7	142.8	115.8	96.2	82.7	76.6	76.0
20°	324.8	278.8	235.3	191.2	153.8	122.6	99.3	84.0	76.0	75.4
22.5°	367.7	315.6	261.7	210.2	165.5	129.3	102.3	85.2	76.6	75.4
25°	416.1	353.6	288.6	229.2	177.1	135.4	105.4	86.4	77.2	76.0
27.5°	462.1	392.8	317.4	247.0	187.5	141.0	107.9	87.6	77.8	76.6
30°	511.1	431.4	345.6	266.0	198.6	146.5	110.3	88.2	77.8	76.6
32.5°	560.7	468.8	375.1	283.1	207.8	150.1	111.5	88.9	78.4	77.2
35°	613.4	509.3	402.6	300.9	216.3	153.8	112.8	89.5	78.4	77.2
37.5°	661.9	547.9	429.6	316.2	223.7	156.9	114.0	89.5	79.1	77.8
40°	705.4	582.8	453.5	329.7	229.8	158.7	114.6	90.1	79.7	78.4
42.5°	748.3	617.1	474.9	340.7	234.7	159.9	115.2	90.7	80.3	79.1
45°	786.3	645.9	494.6	351.2	238.4	161.2	115.8	91.3	80.9	79.7
47.5°	820.0	672.9	512.9	359.7	240.8	161.8	116.4	91.9	82.1	80.9
50°	852.5	698.6	527.0	366.5	243.3	162.4	116.4	93.2	84.0	82.7
52.5°	880.0	719.5	539.9	372.0	244.5	163.0	117.7	94.4	85.2	84.6
55°	903.9	737.9	551.5	376.3	245.7	163.0	118.9	96.2	87.6	86.4
57.5°	923.5	752.6	559.5	378.7	245.7	163.6	119.5	98.7	90.1	88.9
60°	940.7	765.4	566.9	381.8	246.4	164.2	121.3	101.1	93.2	92.5
62.5°	954.8	775.2	572.4	383.6	247.0	166.1	123.8	104.2	96.2	95.6
65°	965.8	783.8	576.7	384.9	247.6	167.3	126.2	107.2	100.5	99.9
67.5°	973.2	789.9	579.7	385.5	248.2	169.1	129.3	111.5	104.8	103.6
70°	*978.7*	*793.6*	*581.6*	*386.1*	*249.4*	*171.0*	*133.0*	*115.2*	*109.1*	*108.5*
71°	979.9	794.2	582.2	386.1	250.0	172.2	134.2	117.1	110.9	110.3
72.5°	980.5	794.8	582.2	386.1	250.6	174.0	136.7	120.1	114.0	113.4
75°	979.9	794.2	581.6	386.1	251.9	177.1	141.0	124.4	118.9	118.3
77.5°	975.6	791.8	579.7	386.1	253.7	180.8	145.9	130.5	124.4	123.8
80°	968.3	786.9	576.7	385.5	255.6	185.1	150.8	136.0	129.9	129.3
82.5°	958.5	779.5	572.4	385.5	258.0	188.8	155.7	141.0	136.0	135.4
85°	945.6	770.9	568.1	384.9	261.1	193.7	161.8	147.7	142.8	141.6
87.5°	930.3	760.5	563.2	384.9	264.1	199.2	167.9	153.8	148.9	147.7
90°	913.1	748.9	558.3	384.9	267.8	204.7	174.7	160.6	155.0	154.4
92.5°	896.0	737.9	553.4	385.5	272.7	210.8	181.4	167.9	162.4	162.4
95°	876.4	724.4	547.9	386.7	277.6	217.6	189.4	175.3	169.8	169.1
97.5°	856.7	712.1	543.6	388.5	283.1	225.5	196.7	183.2	177.7	176.5
100°	834.7	699.2	539.3	391.0	289.9	232.9	204.7	191.2	185.7	185.1
102.5°	813.2	685.1	534.4	394.1	296.6	241.5	213.3	199.2	193.7	193.0
105°	789.9	670.4	528.9	396.5	303.4	249.4	221.2	206.5	200.4	200.4
107.5°	767.3	655.1	523.4	399.6	310.1	257.4	228.6	213.9	207.1	206.5

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

Scaled Data Report

REPORT NUMBER: P1223945
CATALOG NUMBER: FFX-CLB-60-730-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	741.5	638.6	516.6	401.4	316.2	264.1	235.3	219.4	212.7	212.0
112.5°	718.2	620.8	509.3	402.0	321.7	270.3	240.8	224.3	217.6	216.3
115°	688.8	602.4	499.5	400.8	324.8	275.2	244.5	227.4	220.0	218.8
117.5°	660.6	581.6	489.0	397.7	326.6	277.6	247.0	229.2	221.2	220.0
120°	631.8	558.3	474.3	392.2	324.8	277.6	247.0	228.0	220.0	219.4
122.5°	599.4	533.8	459.0	384.2	321.7	275.2	244.5	226.1	217.6	216.9
125°	565.6	507.4	440.6	373.2	315.6	271.5	240.8	222.5	213.9	213.3
127.5°	533.2	480.5	421.6	360.3	307.0	265.4	235.9	216.9	208.4	207.1
130°	501.3	452.3	400.2	345.0	296.6	257.4	229.2	211.4	202.8	201.6
132.5°	468.2	425.3	378.7	330.3	285.6	248.8	221.8	204.7	196.7	195.5
135°	437.0	397.1	355.4	312.5	272.7	239.0	213.9	197.9	190.0	189.4
137.5°	406.9	370.8	334.0	295.4	259.8	229.2	205.9	191.2	183.8	182.6
140°	376.3	345.0	311.9	278.8	245.7	218.8	197.9	183.8	177.1	175.9
142.5°	349.9	320.5	291.1	260.5	232.3	207.8	189.4	176.5	171.0	170.4
145°	322.4	296.6	270.3	243.9	219.4	197.9	181.4	170.4	164.9	164.2
147.5°	297.8	273.3	250.6	228.0	206.5	187.5	173.4	164.2	159.9	159.3
150°	272.7	253.1	233.5	212.7	194.3	178.3	166.7	158.7	154.4	153.8
152.5°	250.6	234.1	216.3	200.4	183.2	170.4	160.6	153.2	150.1	149.5
155°	231.7	217.6	202.8	188.1	174.7	164.2	155.7	149.5	147.1	147.1
157.5°	215.1	202.8	190.6	178.3	167.3	158.1	151.4	147.1	144.6	144.0
160°	199.2	189.4	178.3	169.1	160.6	153.8	148.3	144.6	142.8	142.2
162.5°	186.3	177.7	170.4	162.4	155.7	150.1	145.9	142.8	141.6	141.6
165°	175.3	169.1	162.4	156.9	151.4	147.1	144.0	142.2	141.0	141.0
167.5°	166.7	161.2	156.9	152.0	148.3	145.2	142.8	141.6	141.0	140.3
170°	159.3	155.7	152.0	148.9	145.9	144.0	142.2	141.6	141.0	141.0
172.5°	153.8	151.4	148.9	146.5	144.6	142.8	142.2	141.6	141.6	141.6
175°	149.5	148.3	146.5	145.2	144.0	143.4	142.8	142.8	142.8	142.8
177.5°	147.7	146.5	145.9	145.2	144.6	144.6	144.6	145.2	145.2	145.2
180°	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7

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

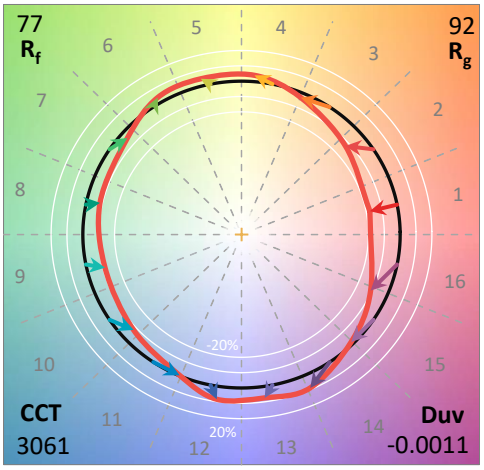
Test Information

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

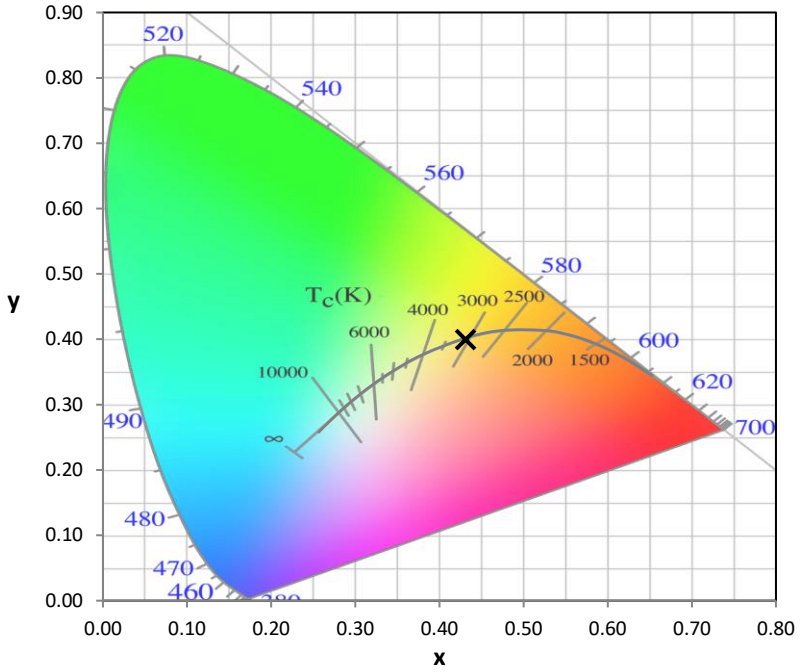
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

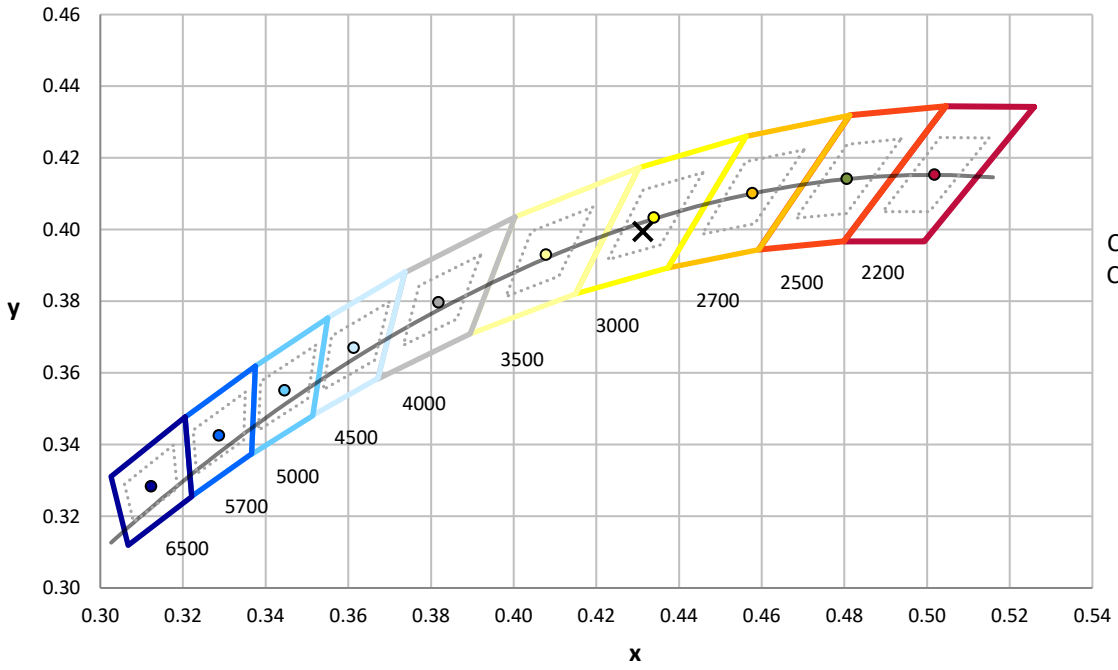
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

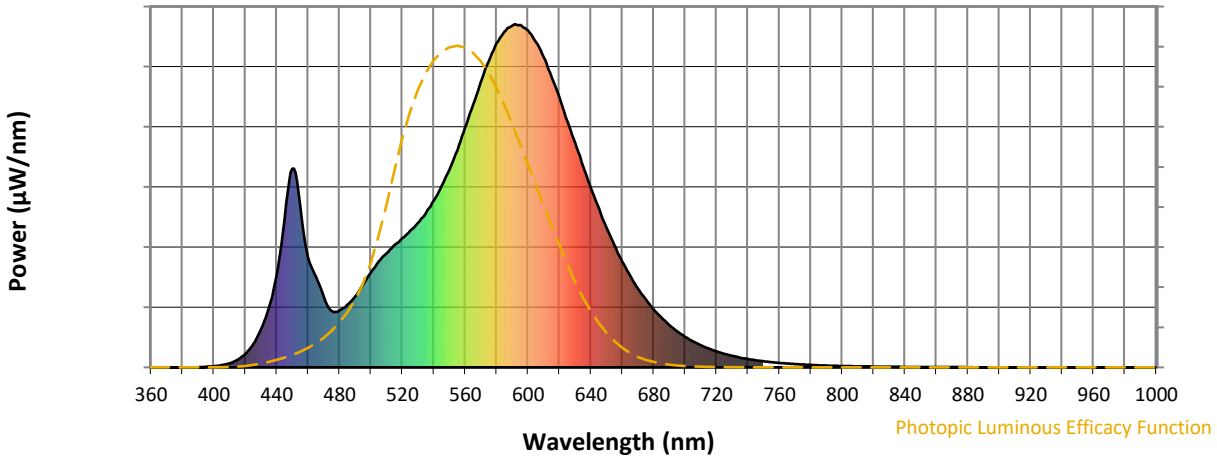


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

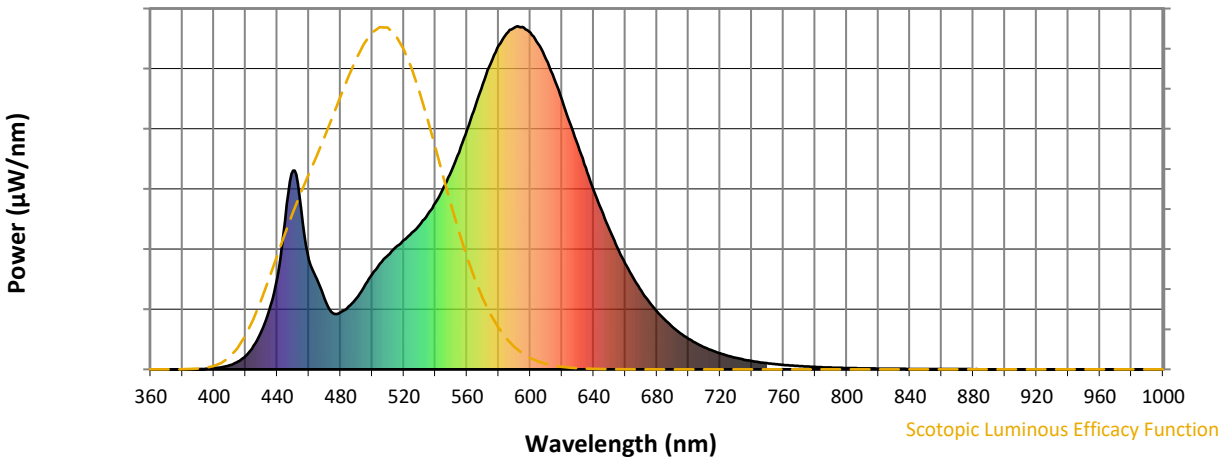


Photopic Lumens: NR

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

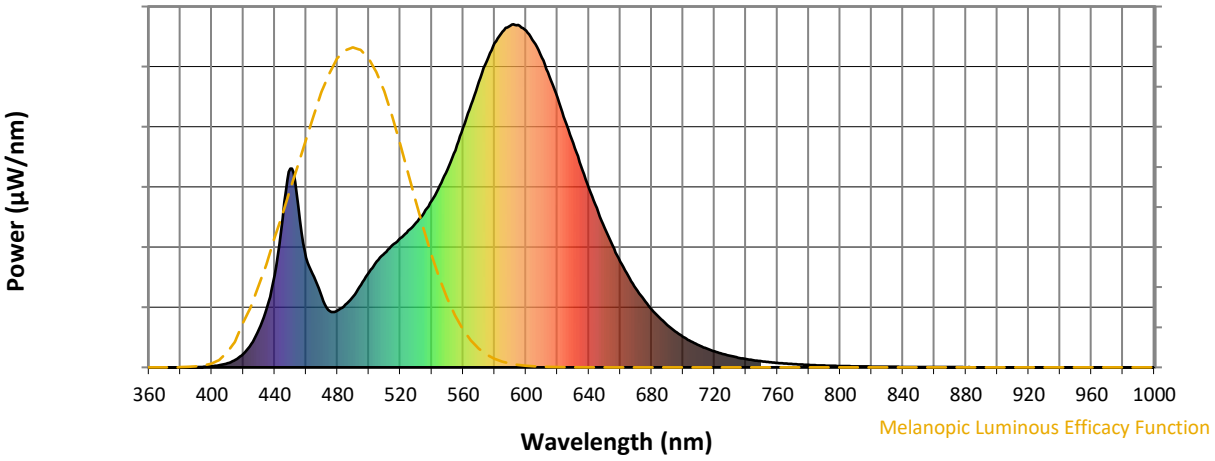


Scotopic Lumens: NR **S/P: 1.29**

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			

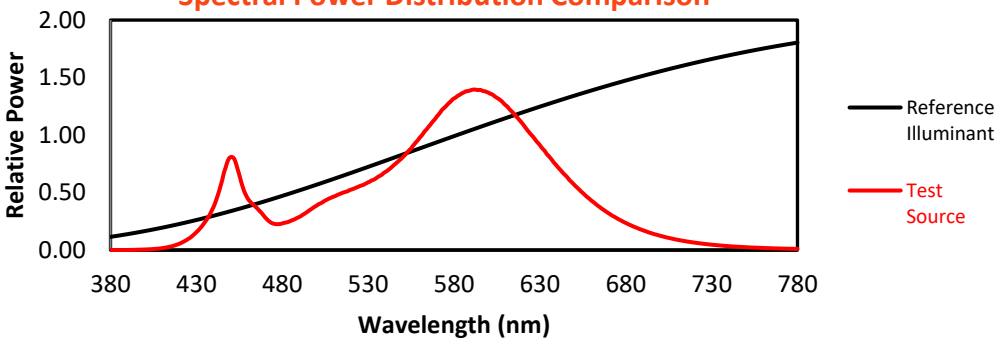
REPORT NUMBER: SP1-2501-332-4

TM-30-18

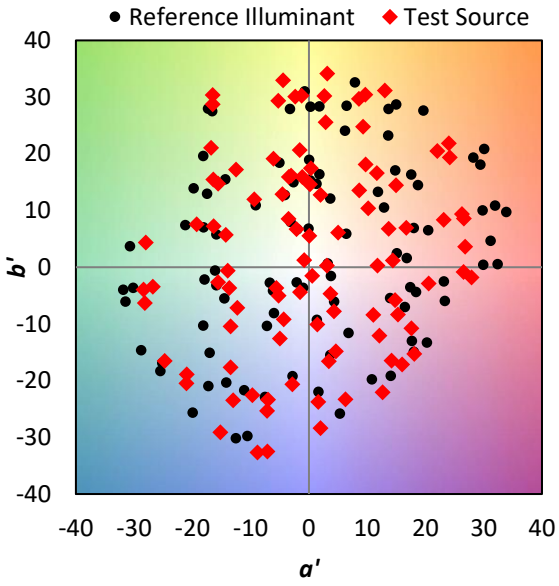
Summary

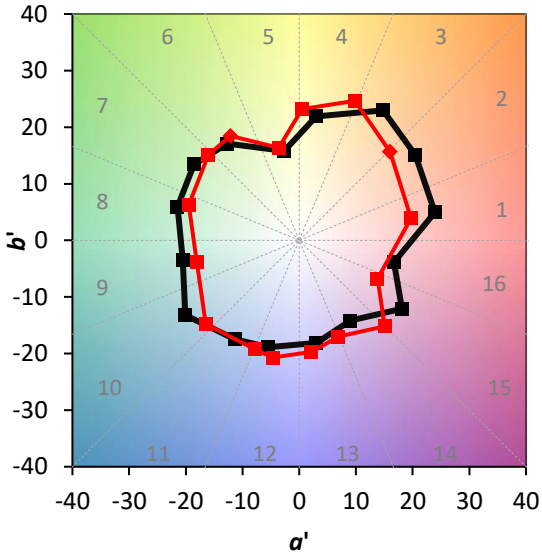
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

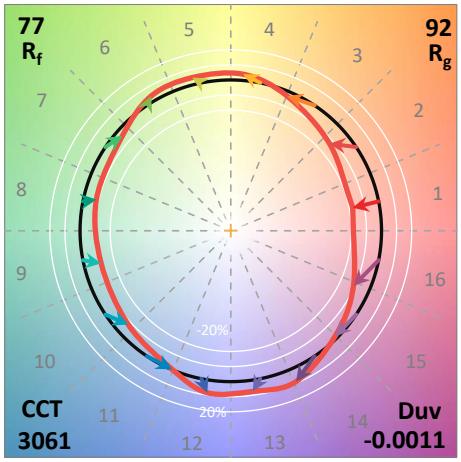
Spectral Power Distribution Comparison

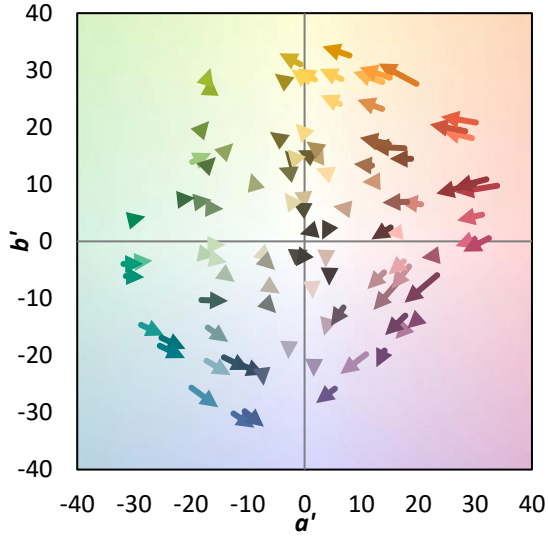


Color Vector Graphics







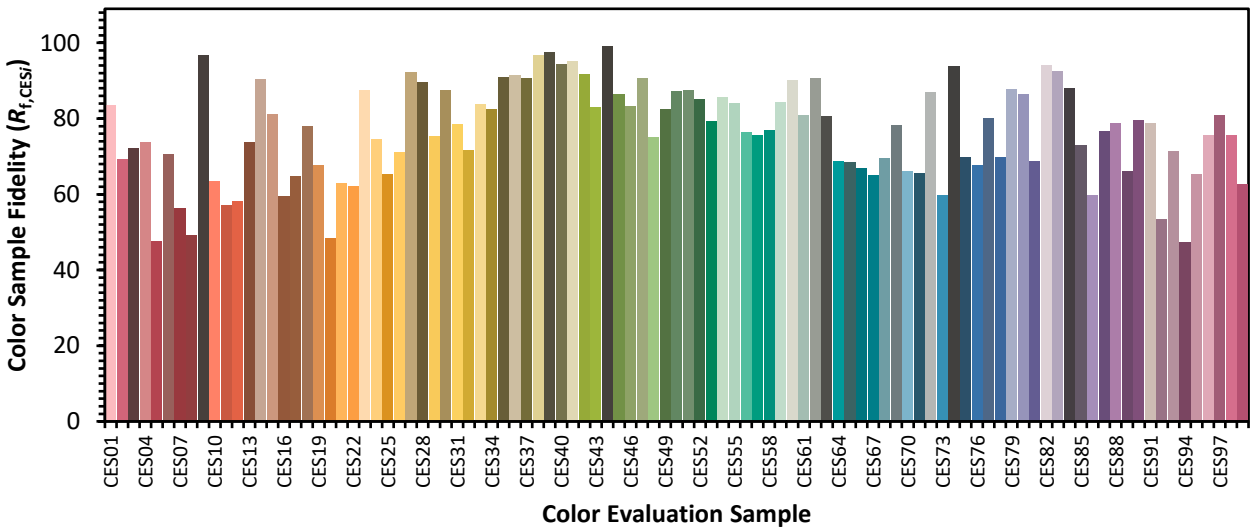


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

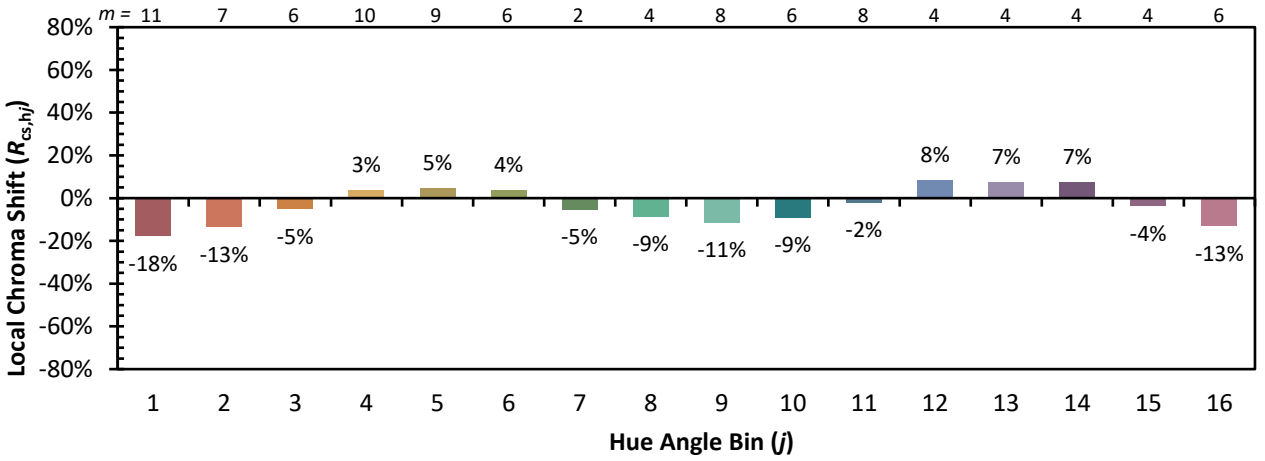
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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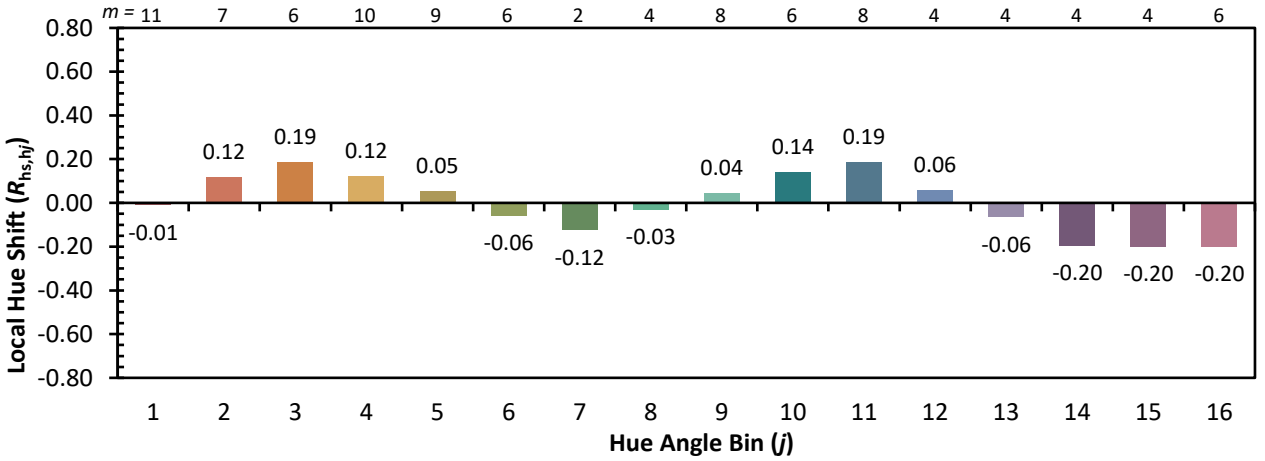


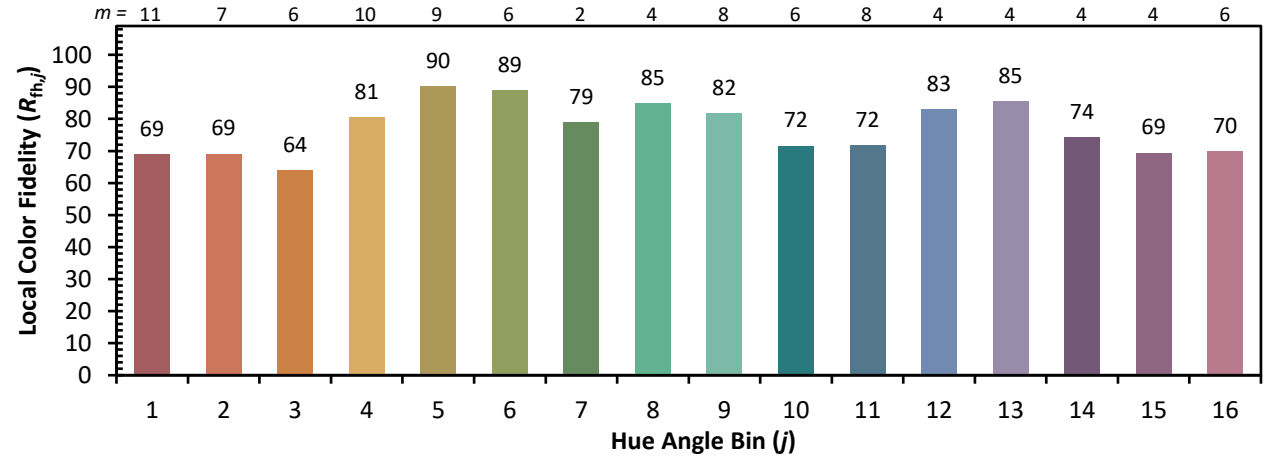
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Color Rendition by Hue-Angle Bin



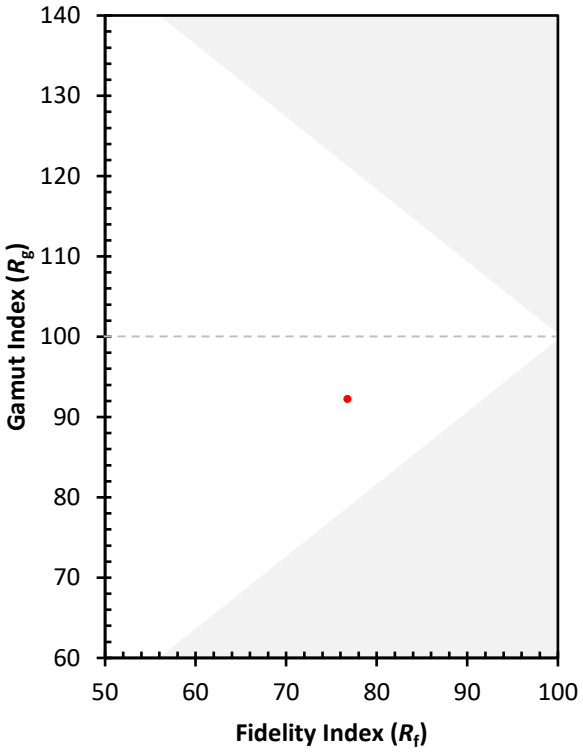


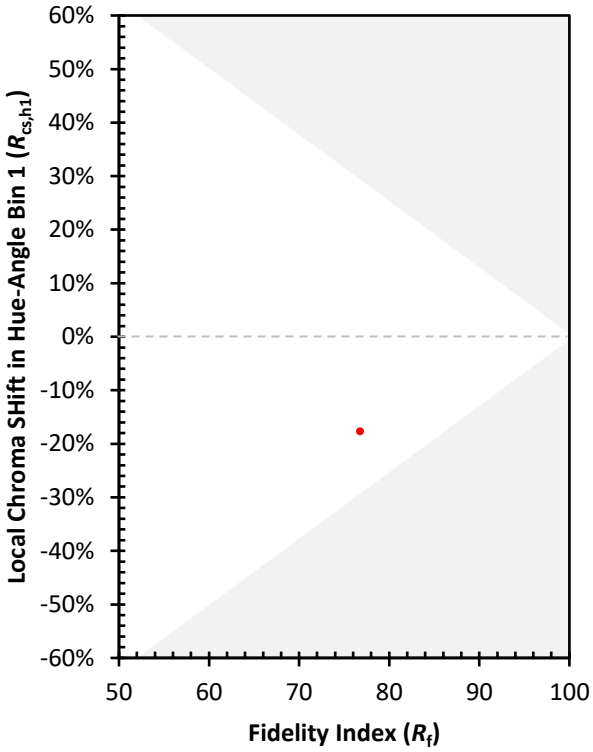


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Measure Comparisons





(END OF REPORT)