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: P1045843

Luminaire Tested: **FFX-CLB-70-730-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045843
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-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7552.3 lumens
Efficiency:	N/A
Efficacy:	106.1 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):	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

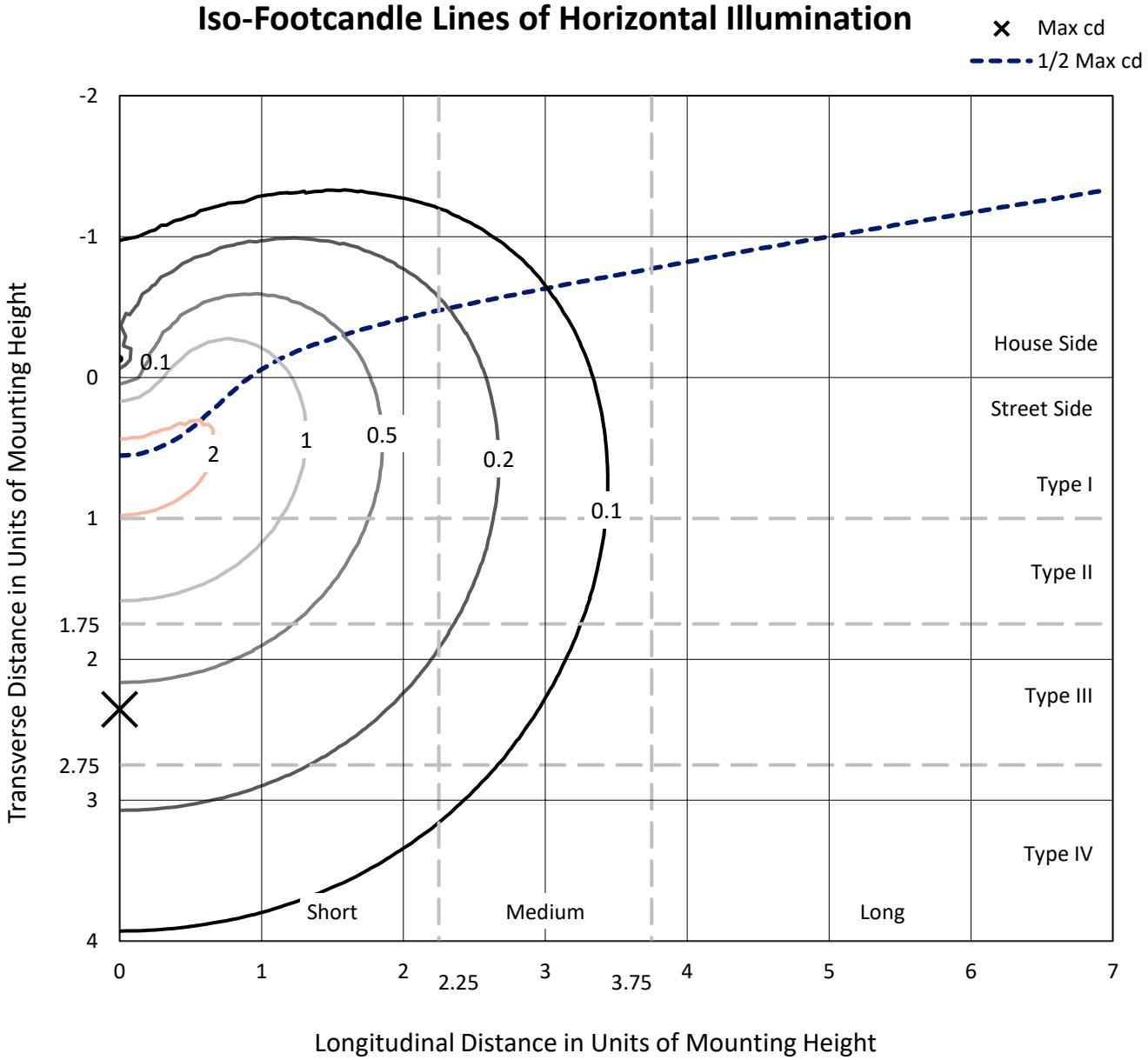


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Iso-Footcandle Lines of Horizontal Illumination



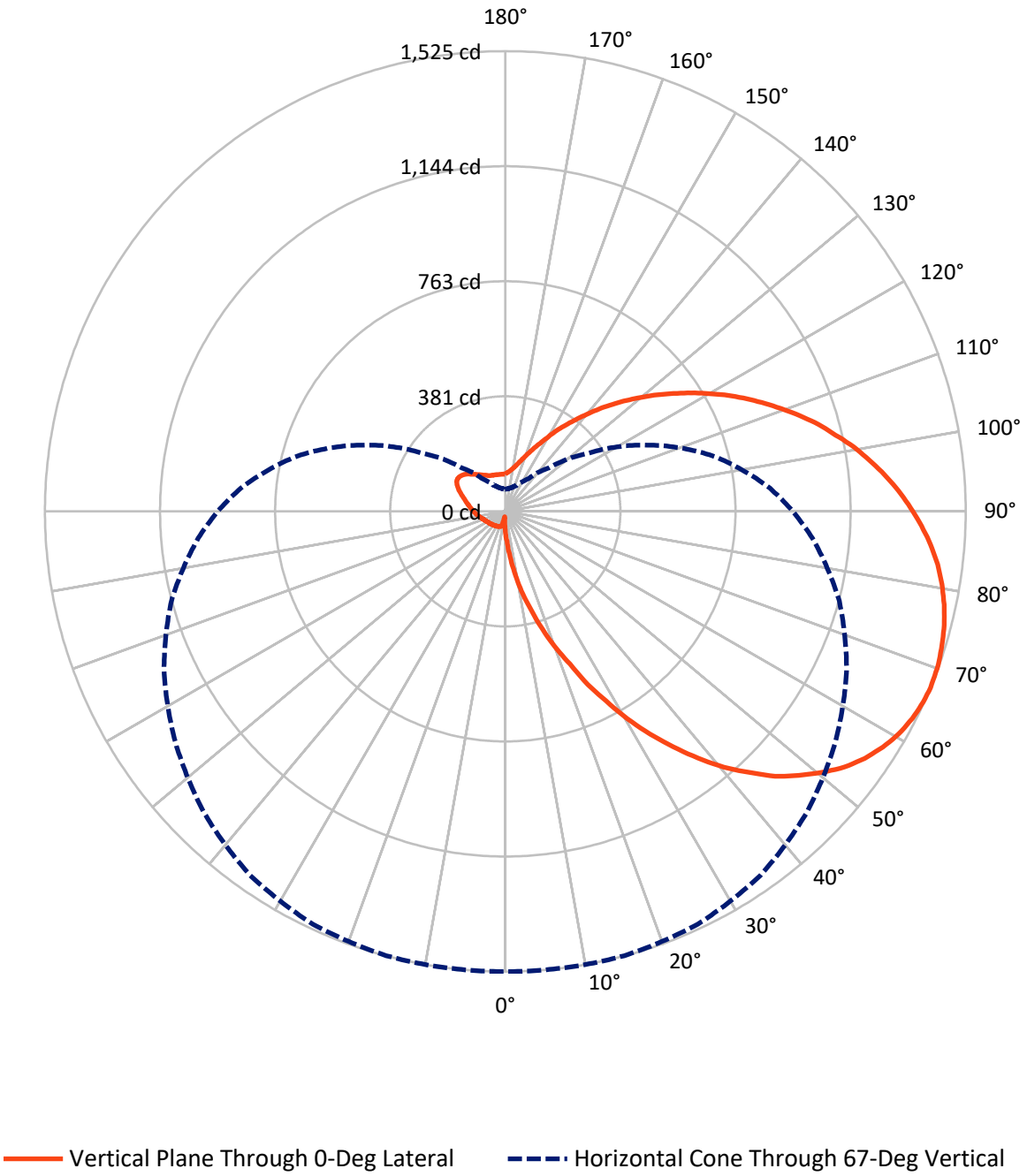
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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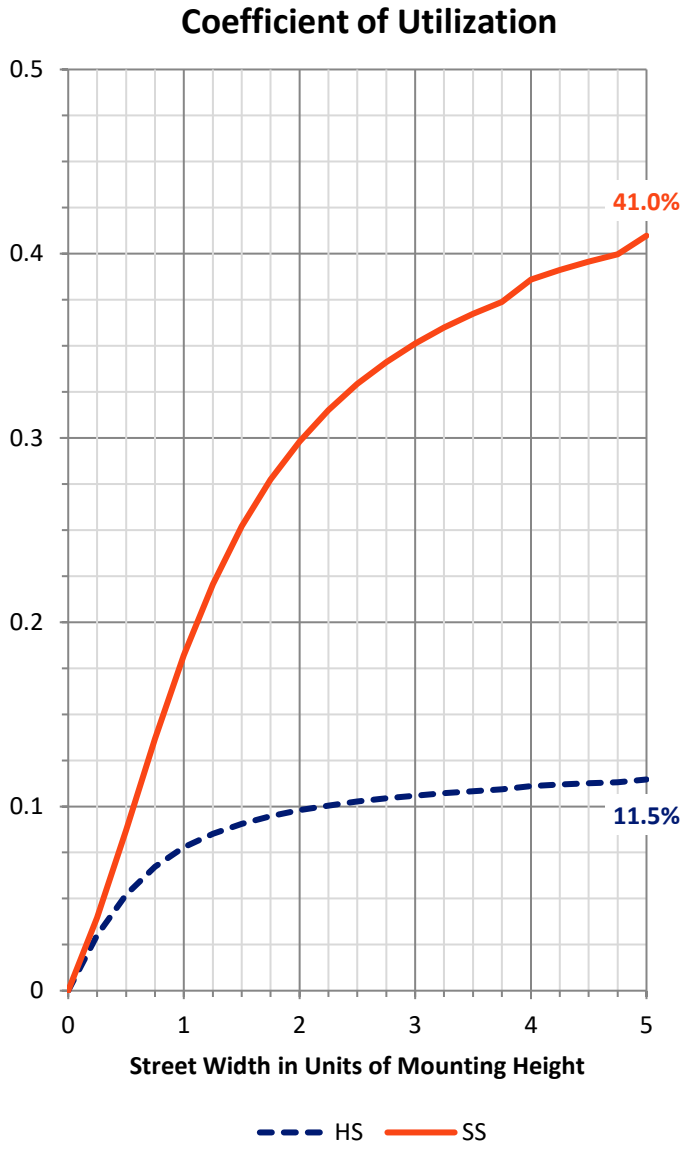
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	935.2	891.0	1826.2
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	3526.4	2199.7	5726.1
	% Fixture	46.7	29.1	75.8
Total	Lumens	4461.6	3090.7	7552.3
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.1
10°-20°	62.8	0.8
20°-30°	175.2	2.3
30°-40°	350.6	4.6
40°-50°	551.0	7.3
50°-60°	724.5	9.6
60°-70°	836.5	11.1
70°-80°	882.8	11.7
80°-90°	868.2	11.5
90°-100°	796.9	10.6
100°-110°	689.2	9.1
110°-120°	565.7	7.5
120°-130°	431.3	5.7
130°-140°	290.5	3.8
140°-150°	172.1	2.3
150°-160°	90.5	1.2
160°-170°	42.2	0.6
170°-180°	12.3	0.2
0°-90°	4461.6	59.1
0°-180°	7552.3	100.0



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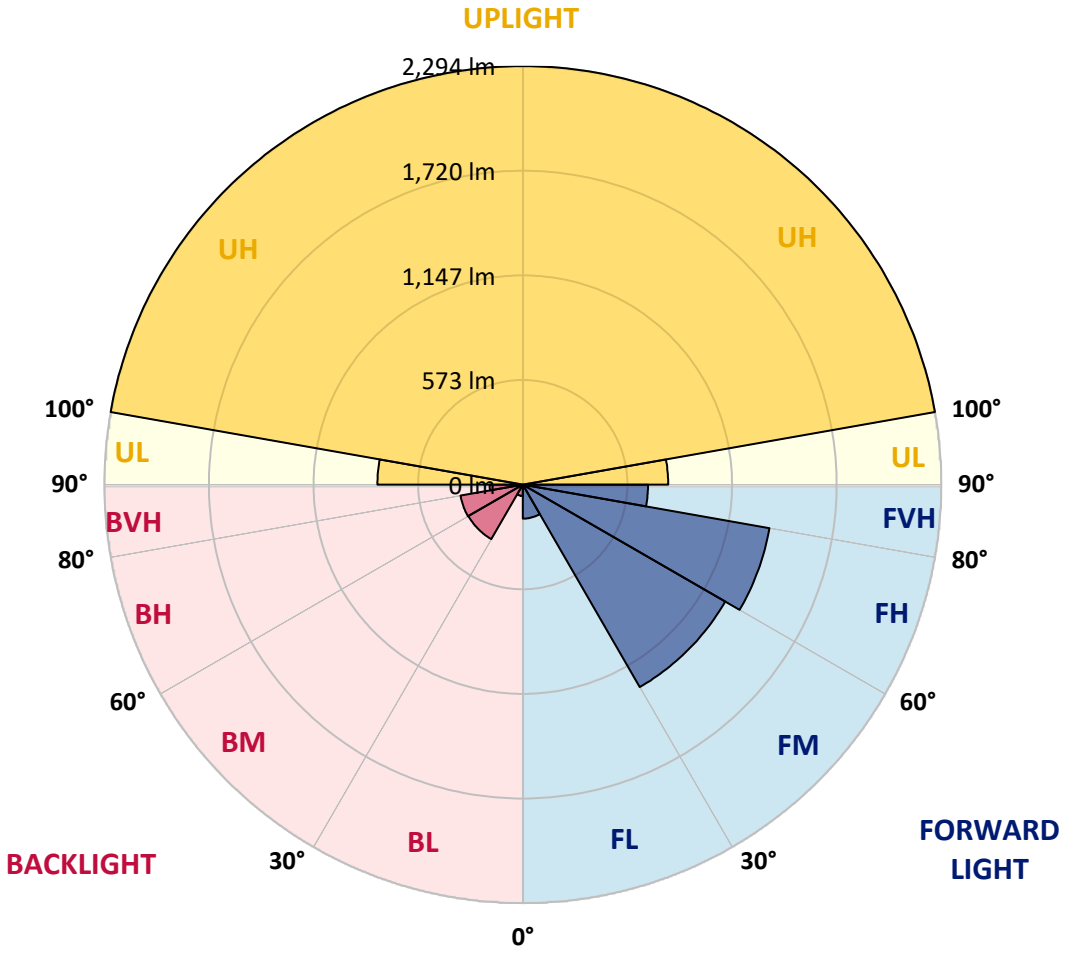
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	186.4	2.5			
FM	(30°-60°)	1281.3	17.0			
FH	(60°-80°)	1372.6	18.2			G1/1800
FVH	(80°-90°)	686.1	9.1			G4/750
BL	(0°-30°)	61.6	0.8	B0/110		
BM	(30°-60°)	344.8	4.6	B1/1000		
BH	(60°-80°)	346.7	4.6	B1/500		G1/500
BVH	(80°-90°)	182.1	2.4			G2/225
UL	(90°-100°)	796.9	10.6		U4/1000	
UH	(100°-180°)	2293.8	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	97.5	99.2	99.2	98.3	97.5	95.8	94.2	90.9	84.3	79.3	74.4
5°	141.3	141.3	142.1	141.3	138.0	134.7	127.2	121.5	110.7	102.5	93.4
7.5°	191.7	194.2	193.4	190.9	185.1	177.7	168.6	157.8	147.1	134.7	120.6
10°	247.9	247.1	247.1	243.8	237.1	227.2	217.3	204.9	189.2	173.5	155.3
12.5°	300.8	303.2	301.6	297.5	289.2	281.8	269.4	255.3	237.1	220.6	195.8
15°	357.8	359.4	359.4	357.0	349.5	338.8	324.7	311.5	287.5	264.4	240.5
17.5°	423.1	420.6	417.3	417.3	408.2	399.1	385.1	366.9	340.4	314.8	282.6
20°	488.3	487.5	483.4	480.9	475.1	461.9	443.7	423.1	396.6	367.7	329.7
22.5°	549.5	557.7	556.9	552.8	545.4	532.1	512.3	487.5	460.2	423.9	380.1
25°	636.2	631.3	632.1	628.0	621.4	605.7	585.8	556.9	523.9	483.4	433.8
27.5°	711.4	709.8	709.8	707.3	698.2	681.7	658.6	631.3	593.3	545.4	490.0
30°	798.2	794.1	792.4	789.9	780.8	762.7	738.7	704.8	663.5	614.8	549.5
32.5°	880.0	876.7	870.9	870.1	863.5	844.5	817.2	782.5	735.4	678.4	606.5
35°	958.5	960.1	957.7	953.5	944.4	926.3	899.8	857.7	811.4	745.3	667.6
37.5°	1037.8	1037.0	1038.6	1035.3	1021.3	1003.9	972.5	927.9	875.0	803.2	721.4
40°	1115.5	1111.4	1110.5	1107.2	1097.3	1080.0	1044.4	999.0	939.5	865.1	772.6
42.5°	1182.4	1184.1	1182.4	1179.1	1165.9	1146.1	1108.9	1058.5	995.7	915.5	820.5
45°	1252.7	1250.2	1249.3	1249.3	1232.0	1211.3	1170.9	1118.8	1048.6	962.6	861.8
47.5°	1308.0	1311.3	1309.7	1305.5	1294.0	1268.4	1225.4	1168.4	1094.8	1006.4	899.0
50°	1360.1	1364.2	1365.0	1360.9	1346.9	1318.8	1274.1	1210.5	1136.1	1042.8	931.2
52.5°	1408.0	1407.2	1409.6	1407.2	1393.9	1365.0	1313.8	1249.3	1169.2	1073.3	956.0
55°	1445.2	1445.2	1446.8	1443.5	1431.1	1398.9	1346.0	1277.4	1195.6	1097.3	977.5
57.5°	1474.9	1476.6	1475.8	1474.9	1460.9	1427.0	1370.8	1299.8	1217.1	1114.7	993.2
60°	1498.1	1498.9	1498.9	1497.2	1483.2	1447.7	1390.6	1317.1	1231.2	1129.5	1005.6
62.5°	1512.9	1513.8	1513.8	1512.1	1498.1	1461.7	1403.9	1327.8	1241.1	1138.6	1013.9
65°	1522.0	1522.9	1522.9	1521.2	1507.2	1470.0	1410.5	1333.6	1246.0	1143.6	1018.8
67°	1525.3	1525.3	1525.3	1524.5	1509.6	1473.3	1412.1	1334.5	1247.7	1145.2	1021.3
67.5°	1524.5	1524.5	1525.3	1523.7	1509.6	1472.4	1411.3	1334.5	1246.9	1145.2	1021.3
70°	1522.0	1522.0	1522.0	1520.4	1506.3	1469.1	1408.0	1330.3	1244.4	1143.6	1020.5
72.5°	1512.9	1513.8	1513.8	1512.1	1498.1	1461.7	1400.6	1322.9	1237.8	1138.6	1018.0
75°	1502.2	1502.2	1502.2	1500.5	1486.5	1450.1	1389.8	1313.0	1229.5	1132.0	1013.0
77.5°	1486.5	1486.5	1486.5	1484.8	1470.8	1435.3	1375.8	1300.6	1218.8	1122.9	1007.2
80°	1466.7	1467.5	1466.7	1465.0	1451.0	1415.4	1358.4	1284.9	1204.7	1112.2	999.0
82.5°	1443.5	1444.4	1443.5	1440.2	1427.0	1393.1	1336.1	1264.2	1188.2	1098.1	989.1
85°	1413.8	1413.0	1413.8	1408.8	1397.3	1363.4	1311.3	1241.1	1167.5	1081.6	975.0
87.5°	1379.9	1380.7	1379.1	1376.6	1362.6	1329.5	1279.9	1214.6	1143.6	1061.8	958.5
90°	1342.7	1342.7	1341.9	1338.6	1323.7	1294.0	1246.9	1184.1	1118.0	1039.5	941.1
92.5°	1304.7	1303.9	1301.4	1299.8	1286.5	1256.0	1210.5	1154.3	1092.4	1017.2	923.0
95°	1262.6	1262.6	1260.9	1257.6	1242.7	1217.9	1174.2	1121.3	1062.6	993.2	904.0
97.5°	1217.9	1217.1	1216.3	1211.3	1198.1	1173.3	1137.8	1086.6	1032.9	967.6	882.5
100°	1174.2	1171.7	1170.0	1165.1	1153.5	1129.5	1095.7	1051.0	999.0	939.5	859.3
102.5°	1122.9	1122.9	1122.1	1117.1	1102.3	1082.4	1051.9	1012.2	967.6	910.6	834.6
105°	1077.5	1073.3	1071.7	1066.7	1055.2	1033.7	1008.1	973.4	932.1	879.2	809.8
107.5°	1026.3	1022.9	1022.1	1014.7	1005.6	985.8	964.3	932.1	897.3	850.3	784.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*974.2*	972.5	971.7	964.3	952.7	939.5	917.2	891.6	861.0	818.0	760.2
112.5°	*923.0*	921.3	921.3	915.5	904.8	888.3	872.6	850.3	823.0	785.8	732.1
115°	*872.6*	870.1	869.3	862.6	851.9	839.5	823.8	808.1	785.0	753.6	704.8
117.5°	*822.2*	818.9	819.7	813.9	805.6	793.2	778.4	767.6	747.8	718.9	677.6
120°	*770.1*	770.9	770.9	763.5	756.1	746.1	733.7	723.0	709.8	684.2	646.2
122.5°	*720.5*	722.2	722.2	717.2	708.1	699.0	690.8	680.9	669.3	649.5	615.6
125°	*670.9*	674.3	672.6	668.5	661.0	651.1	645.3	637.1	628.0	611.5	581.7
127.5°	*625.5*	625.5	621.4	622.2	614.8	606.5	601.5	595.8	586.7	571.0	547.0
130°	*578.4*	579.2	580.1	575.1	568.5	561.9	556.9	554.4	547.0	533.8	509.8
132.5°	*535.4*	535.4	533.8	530.5	524.7	519.7	519.7	512.3	506.5	494.1	473.5
135°	*493.3*	492.5	492.5	489.2	485.0	482.6	476.8	473.5	467.7	456.1	440.4
137.5°	*452.0*	453.6	452.0	449.5	445.4	442.1	437.9	437.1	428.8	420.6	403.2
140°	*412.3*	414.8	412.3	411.5	408.2	404.1	401.6	398.3	395.8	385.1	370.2
142.5°	*375.1*	376.8	375.1	374.3	371.8	368.5	366.9	364.4	358.6	352.0	339.6
145°	*342.9*	342.1	342.1	341.3	338.0	335.5	333.0	331.3	328.0	321.4	307.4
147.5°	*311.5*	309.0	310.7	309.0	306.6	304.9	304.1	300.8	297.5	290.9	280.9
150°	*279.3*	280.9	280.1	279.3	276.8	276.8	274.3	271.8	269.4	261.9	255.3
152.5°	*252.8*	252.8	253.7	252.0	251.2	248.7	247.1	246.2	242.9	238.0	230.5
155°	*230.5*	229.7	229.7	229.7	228.1	225.6	224.8	223.1	221.4	215.7	209.1
157.5°	*209.1*	209.1	209.1	208.2	208.2	205.7	204.9	202.4	200.0	196.7	190.9
160°	*190.9*	190.9	190.0	190.0	189.2	188.4	186.7	184.3	182.6	180.1	175.2
162.5°	*176.0*	175.2	175.2	174.3	173.5	171.9	171.0	170.2	167.7	165.3	161.1
165°	*162.0*	162.0	162.0	161.1	160.3	159.5	158.6	157.0	155.3	153.7	151.2
167.5°	*151.2*	151.2	151.2	150.4	150.4	149.6	148.7	147.1	145.4	143.8	142.1
170°	*142.9*	142.9	142.9	142.1	141.3	140.5	139.6	138.8	138.0	136.3	135.5
172.5°	*136.3*	136.3	136.3	136.3	134.7	133.9	133.0	133.0	132.2	131.4	130.6
175°	*130.6*	130.6	130.6	130.6	129.7	128.9	128.1	128.1	127.2	126.4	125.6
177.5°	*127.2*	127.2	127.2	126.4	126.4	125.6	124.8	124.8	123.9	123.9	123.1
180°	*123.1*	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	71.1	67.8	62.0	57.0	52.9	48.8	46.3	43.8	43.8	44.6	43.0
5°	85.9	80.2	69.4	57.8	47.9	39.7	33.1	27.3	22.3	19.8	19.8
7.5°	114.0	107.4	92.5	77.7	63.6	50.4	39.7	30.6	23.1	19.0	18.2
10°	146.3	138.8	118.2	100.0	82.6	66.1	52.1	39.7	31.4	27.3	26.4
12.5°	183.4	173.5	148.7	125.6	103.3	82.6	65.3	51.2	43.0	38.8	38.0
15°	226.4	210.7	182.6	153.7	124.8	99.2	78.5	62.8	53.7	47.9	47.9
17.5°	265.2	248.7	214.8	177.7	144.6	114.9	90.1	71.1	58.7	52.9	52.1
20°	309.9	287.5	247.1	204.1	163.6	127.2	97.5	76.0	61.1	53.7	53.7
22.5°	355.3	332.2	282.6	230.5	181.8	138.8	104.9	79.3	62.8	54.5	53.7
25°	409.0	377.6	318.1	259.5	202.4	151.2	111.5	82.6	64.5	56.2	54.5
27.5°	461.1	428.8	359.4	288.4	221.4	163.6	117.3	85.9	66.1	57.0	56.2
30°	515.6	475.9	397.4	318.1	241.3	174.3	123.1	88.4	66.9	57.8	56.2
32.5°	570.1	526.3	439.6	347.0	260.3	184.3	128.1	90.1	68.6	58.7	57.0
35°	625.5	578.4	480.1	376.0	277.6	193.4	131.4	91.7	69.4	58.7	57.8
37.5°	673.4	623.8	518.1	402.4	292.5	200.8	134.7	93.4	69.4	59.5	58.7
40°	721.4	667.6	551.1	424.7	305.7	206.6	137.2	94.2	70.2	60.3	59.5
42.5°	764.3	704.8	580.1	444.5	316.5	210.7	138.0	94.2	71.1	61.1	60.3
45°	803.2	742.8	607.3	463.5	325.6	213.2	138.8	95.0	71.9	62.0	61.1
47.5°	838.7	774.2	632.1	479.2	333.0	215.7	138.8	95.0	72.7	63.6	62.0
50°	868.4	800.7	652.8	492.5	338.0	216.5	138.0	95.0	73.5	64.5	63.6
52.5°	891.6	823.0	670.1	501.6	341.3	215.7	137.2	95.0	74.4	65.3	64.5
55°	911.4	841.2	682.5	509.0	342.1	214.0	136.3	95.0	75.2	66.9	66.1
57.5°	926.3	854.4	693.3	514.8	342.9	212.4	134.7	95.0	76.0	67.8	66.9
60°	937.8	866.0	701.5	518.1	342.1	209.9	133.9	95.0	76.8	69.4	68.6
62.5°	946.1	872.6	706.5	518.9	339.6	207.4	132.2	95.0	77.7	71.1	70.2
65°	951.1	877.5	710.6	519.7	337.1	204.9	131.4	95.8	79.3	73.5	72.7
67°	*952.7*	*880.0*	*711.4*	*519.7*	*335.5*	*203.3*	*131.4*	*96.7*	*81.0*	*74.4*	*73.5*
67.5°	953.5	880.0	711.4	518.9	334.6	203.3	131.4	96.7	81.0	75.2	74.4
70°	952.7	880.0	711.4	517.3	332.2	201.6	130.6	98.3	83.5	77.7	76.8
72.5°	951.1	878.3	709.8	514.8	328.9	200.0	131.4	100.0	85.9	80.2	79.3
75°	946.9	875.0	706.5	511.5	326.4	198.3	132.2	101.6	88.4	83.5	82.6
77.5°	942.8	870.9	704.0	508.2	323.9	198.3	133.0	104.1	91.7	86.8	85.9
80°	935.4	865.1	699.0	504.9	321.4	197.5	134.7	107.4	95.0	90.1	89.2
82.5°	926.3	856.9	692.4	499.9	318.9	197.5	137.2	109.9	98.3	93.4	92.5
85°	913.9	846.1	684.2	493.3	316.5	198.3	138.8	113.2	101.6	97.5	96.7
87.5°	899.8	832.9	674.3	487.5	314.0	198.3	141.3	116.5	104.9	100.8	100.8
90°	883.3	818.9	662.7	480.9	311.5	200.0	144.6	119.8	109.1	104.9	104.9
92.5°	868.4	804.0	653.6	474.3	309.9	201.6	147.9	123.9	113.2	109.1	109.1
95°	848.6	788.3	640.4	468.5	309.0	203.3	151.2	128.1	118.2	114.0	113.2
97.5°	829.6	770.9	628.8	461.9	308.2	206.6	155.3	133.0	122.3	118.2	118.2
100°	808.9	753.6	615.6	456.1	308.2	210.7	161.1	138.0	128.1	123.9	123.1
102.5°	789.1	734.6	602.4	450.3	309.9	214.8	166.9	143.8	133.9	129.7	128.9
105°	766.8	714.7	590.8	445.4	311.5	220.6	173.5	151.2	140.5	136.3	135.5
107.5°	744.5	696.6	577.6	441.2	314.8	228.1	181.8	158.6	147.9	142.9	142.1

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

Scaled Data Report

REPORT NUMBER: P1045843
CATALOG NUMBER: FFX-CLB-70-730-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	720.5	676.7	566.0	437.9	319.8	236.3	190.9	168.6	156.2	151.2	150.4
112.5°	698.2	656.9	553.6	435.5	324.7	246.2	201.6	177.7	166.1	159.5	158.6
115°	673.4	636.2	542.0	433.0	330.5	256.1	213.2	187.6	175.2	168.6	168.6
117.5°	649.5	614.8	528.8	430.5	336.3	266.9	223.9	198.3	184.3	177.7	176.8
120°	621.4	591.6	514.8	425.5	339.6	275.2	233.0	207.4	191.7	185.1	184.3
122.5°	593.3	566.0	496.6	418.1	340.4	280.1	239.6	214.8	198.3	190.9	190.0
125°	561.1	537.9	477.6	406.5	338.0	282.6	243.8	217.3	200.8	192.5	191.7
127.5°	529.7	507.3	455.3	392.5	331.3	280.1	242.9	217.3	200.8	191.7	190.9
130°	495.8	475.9	428.8	375.1	320.6	274.3	239.6	214.0	197.5	188.4	187.6
132.5°	461.1	444.5	403.2	356.1	307.4	265.2	232.2	208.2	191.7	183.4	182.6
135°	427.2	412.3	376.8	334.6	293.3	254.5	223.9	200.8	184.3	176.8	176.8
137.5°	395.0	380.9	349.5	314.0	276.8	242.1	214.0	191.7	177.7	170.2	168.6
140°	361.9	350.3	323.1	291.7	259.5	228.9	203.3	182.6	169.4	162.8	162.0
142.5°	331.3	321.4	298.3	272.7	242.9	216.5	192.5	175.2	162.8	156.2	155.3
145°	302.4	293.3	273.5	250.4	226.4	203.3	181.8	166.1	155.3	150.4	149.6
147.5°	273.5	267.7	251.2	232.2	209.9	189.2	171.9	158.6	148.7	144.6	143.8
150°	249.5	242.1	229.7	212.4	195.0	177.7	162.8	151.2	143.8	139.6	139.6
152.5°	225.6	221.4	209.1	195.8	181.0	166.9	153.7	144.6	138.8	135.5	135.5
155°	207.4	201.6	190.9	180.1	167.7	156.2	147.1	139.6	134.7	132.2	131.4
157.5°	188.4	185.1	176.8	166.9	157.8	148.7	141.3	135.5	131.4	129.7	128.9
160°	172.7	170.2	163.6	156.2	148.7	142.1	136.3	132.2	128.9	127.2	127.2
162.5°	159.5	157.8	152.0	147.1	141.3	136.3	132.2	128.9	127.2	126.4	126.4
165°	149.6	147.9	143.8	139.6	136.3	132.2	129.7	127.2	125.6	125.6	125.6
167.5°	141.3	139.6	137.2	134.7	132.2	128.9	127.2	125.6	125.6	124.8	124.8
170°	134.7	133.9	131.4	129.7	128.1	126.4	125.6	124.8	123.9	123.9	123.9
172.5°	129.7	128.9	127.2	126.4	124.8	123.9	123.9	123.9	123.9	123.9	123.9
175°	125.6	124.8	124.8	123.9	123.1	123.1	122.3	123.1	123.1	123.1	123.1
177.5°	123.1	123.1	122.3	122.3	122.3	122.3	122.3	123.1	123.1	123.9	123.9
180°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1

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

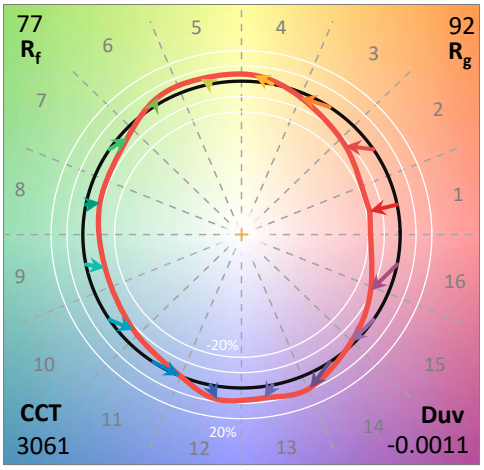
Test Information

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

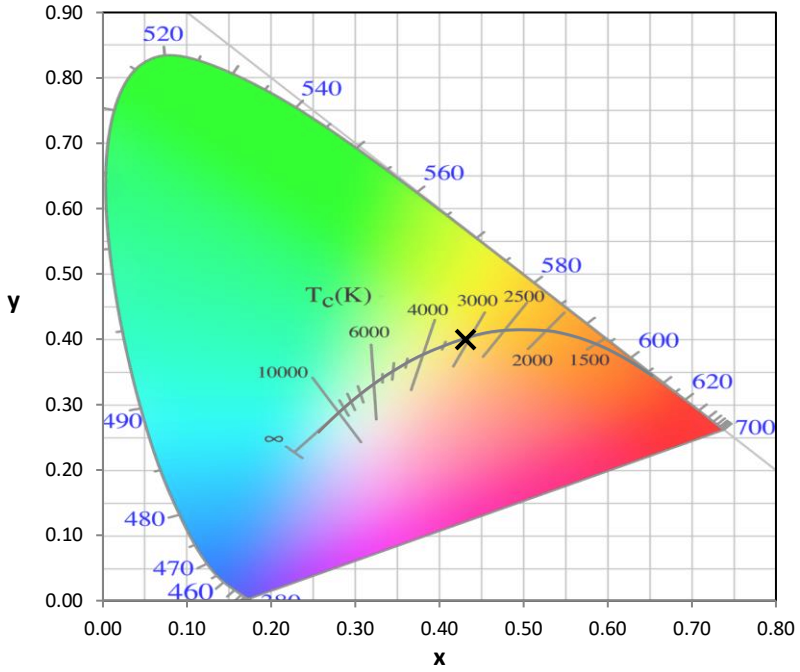
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

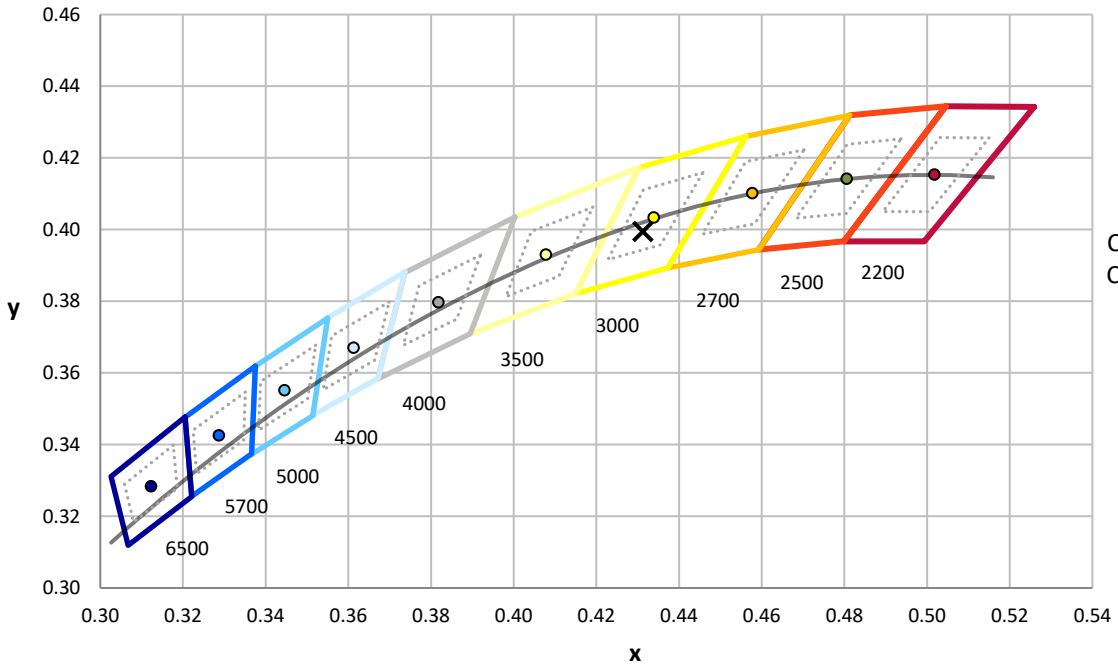
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

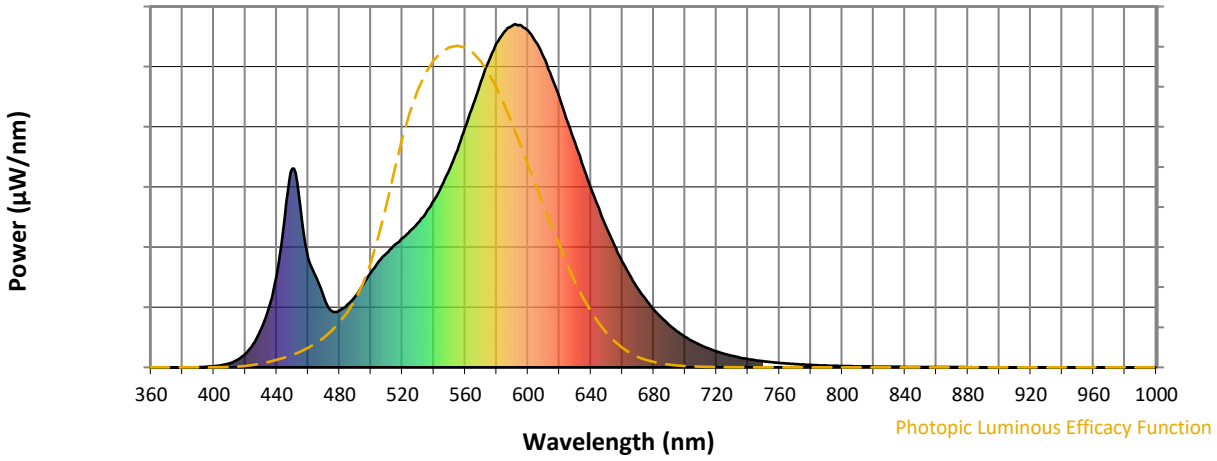


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

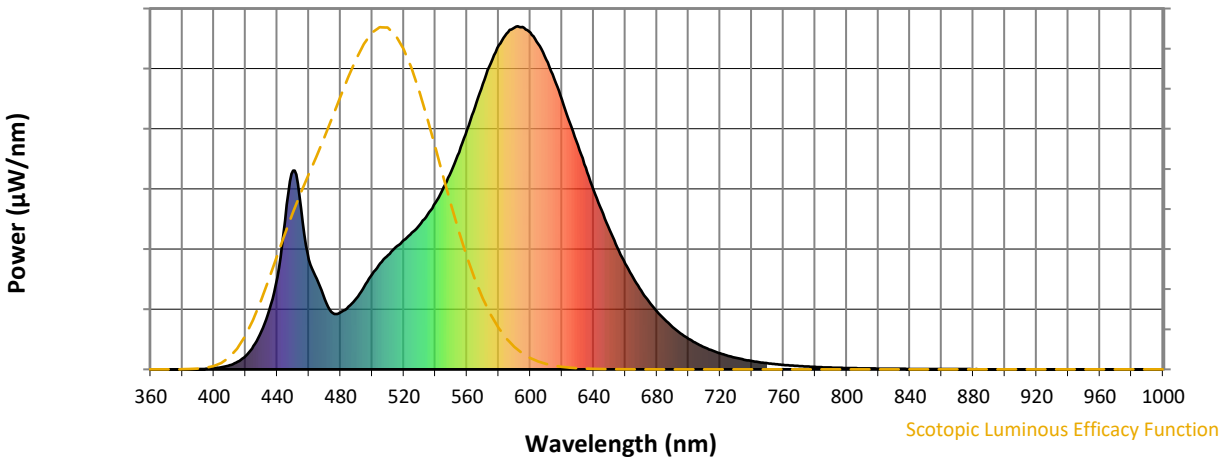


Photopic Lumens: NR

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

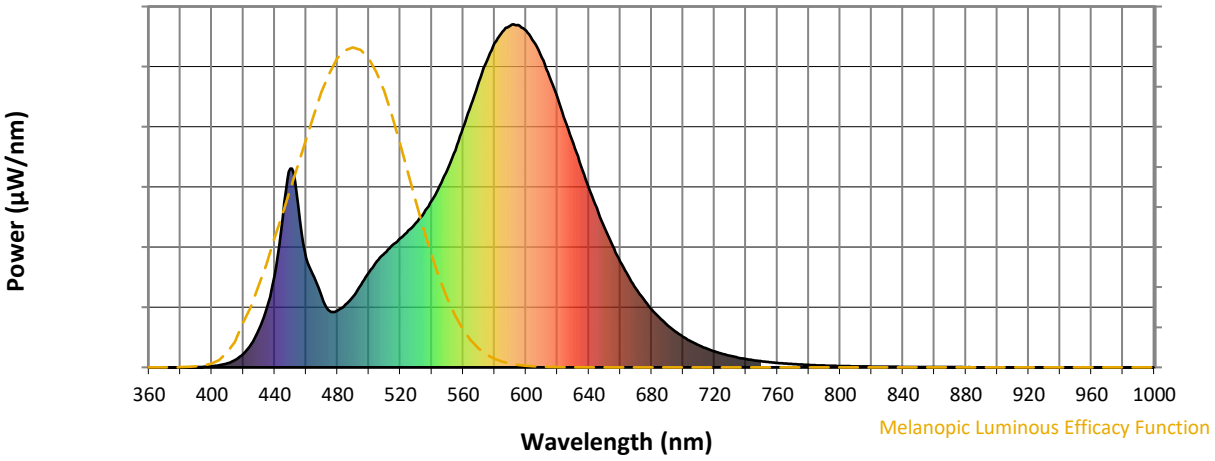


Scotopic Lumens: NR **S/P: 1.29**

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			

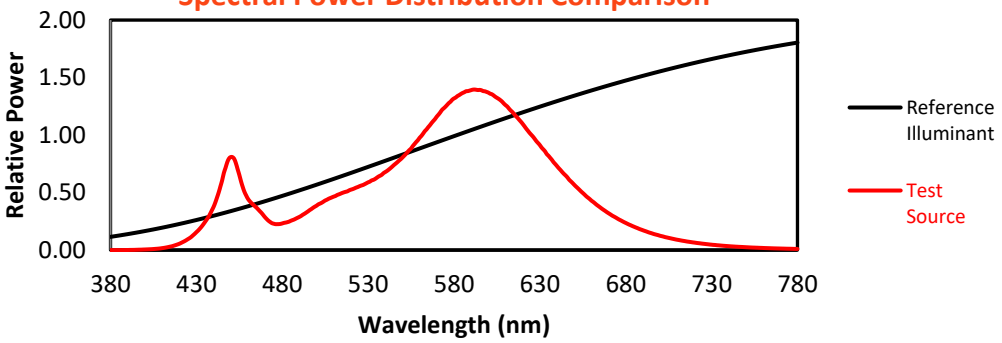
REPORT NUMBER: SP1-2501-332-4

TM-30-18

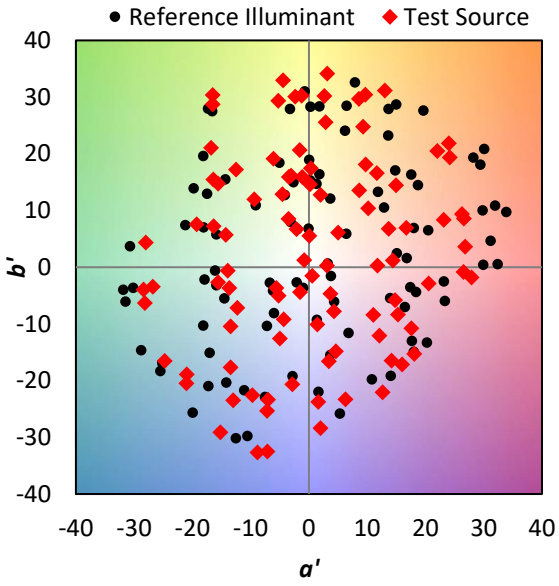
Summary

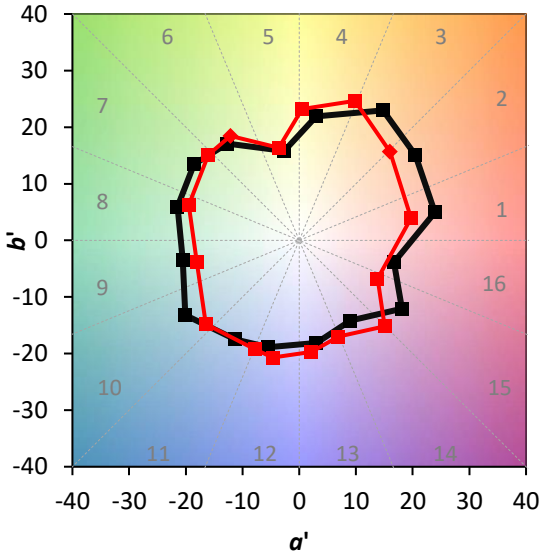
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

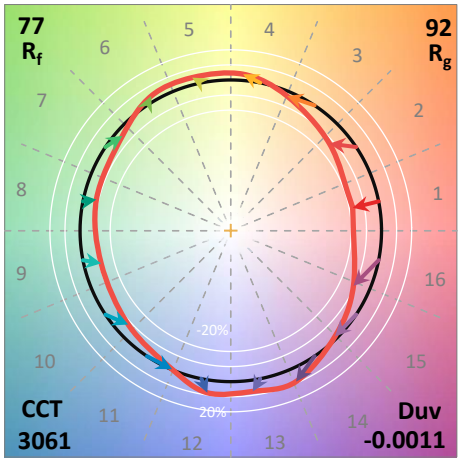
Spectral Power Distribution Comparison

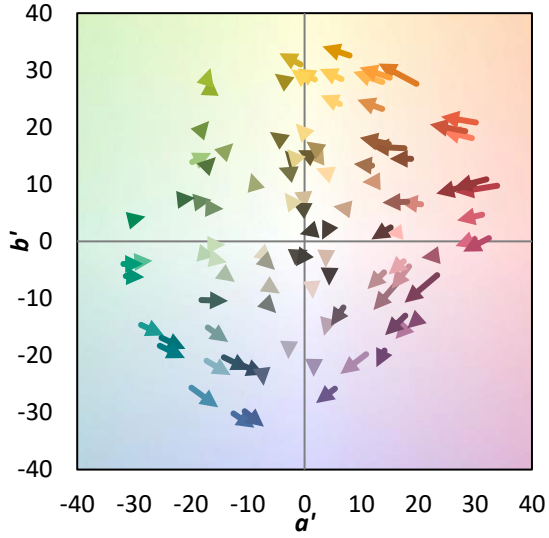


Color Vector Graphics







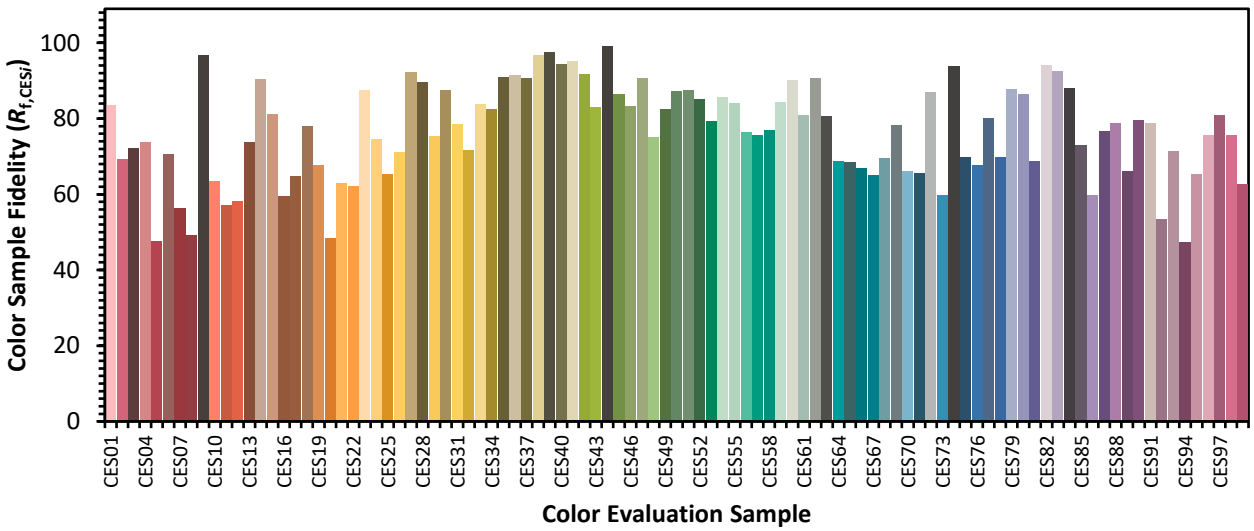


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

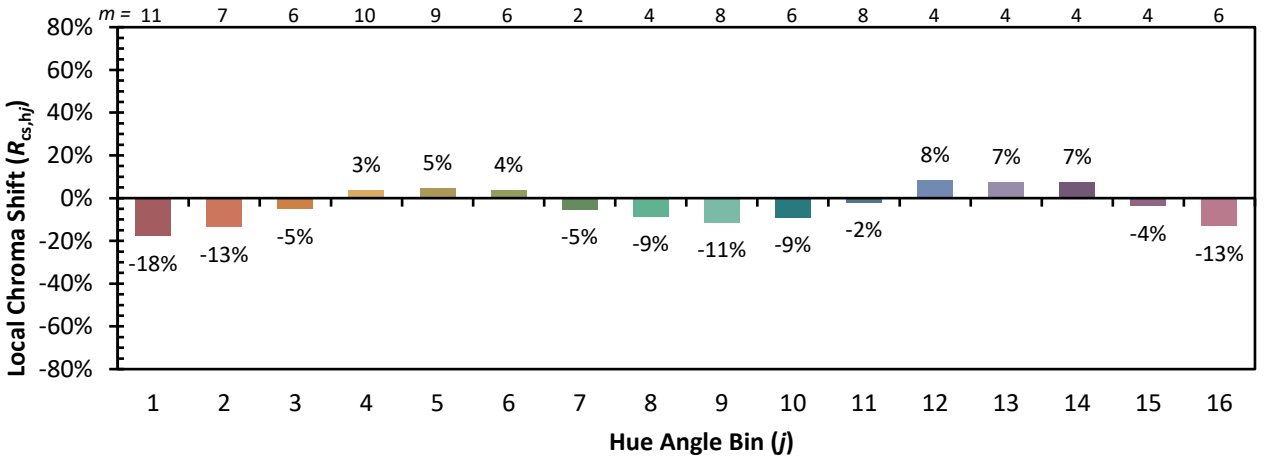
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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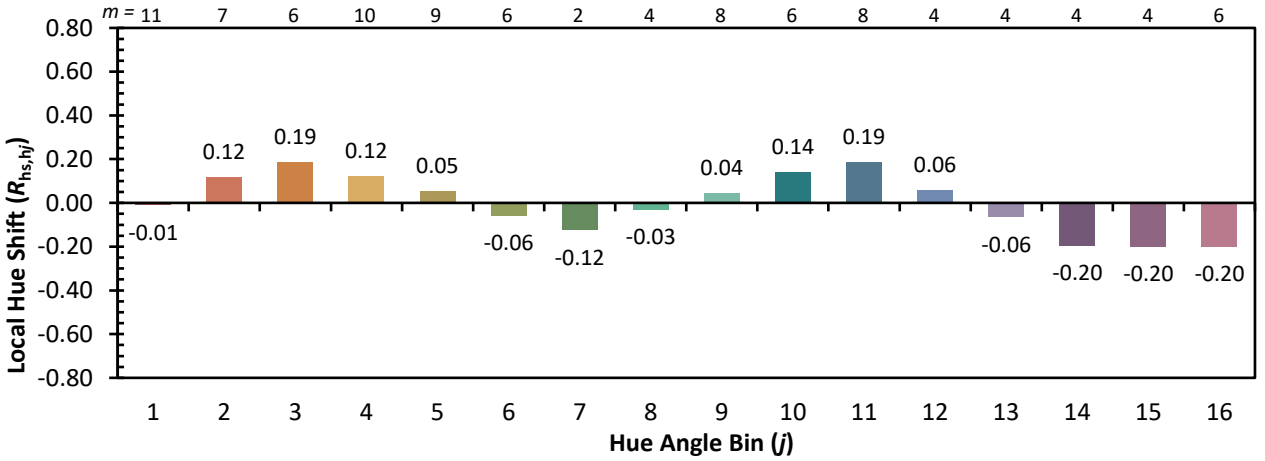


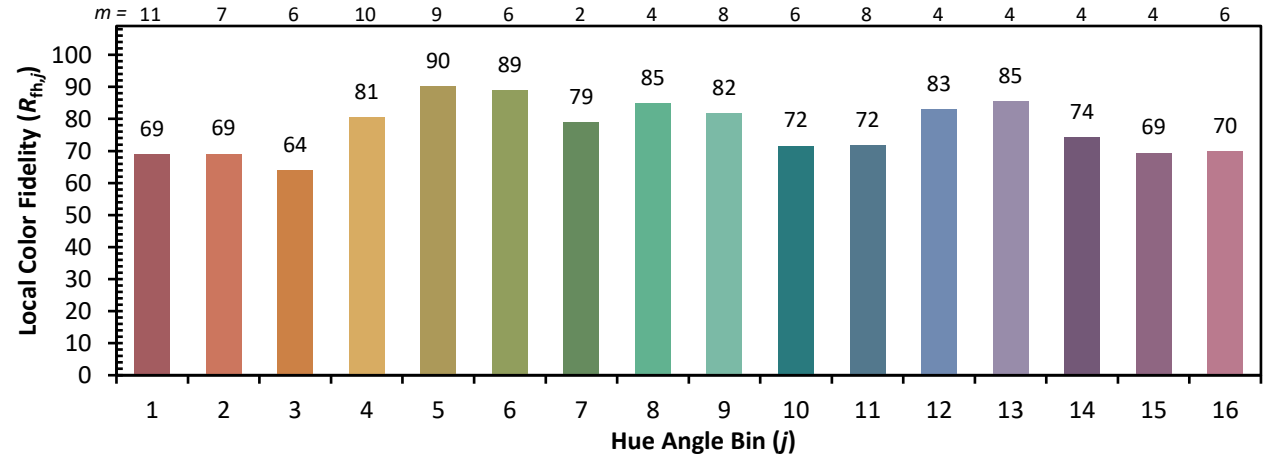
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Color Rendition by Hue-Angle Bin



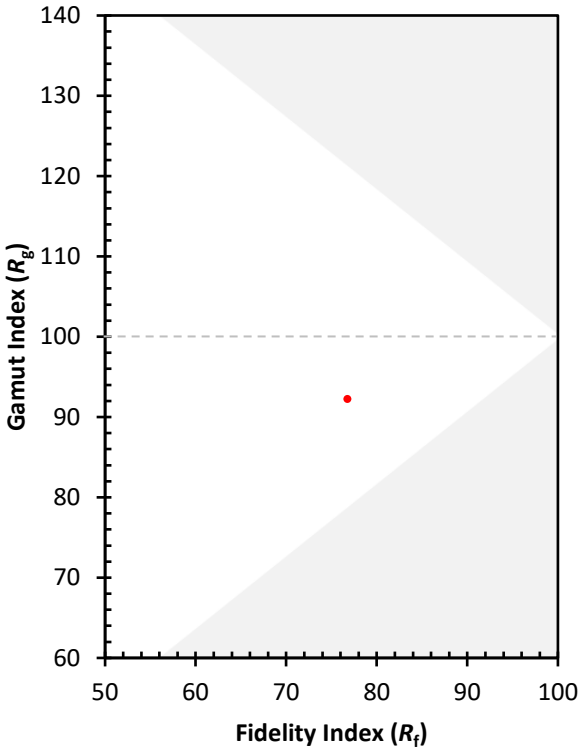


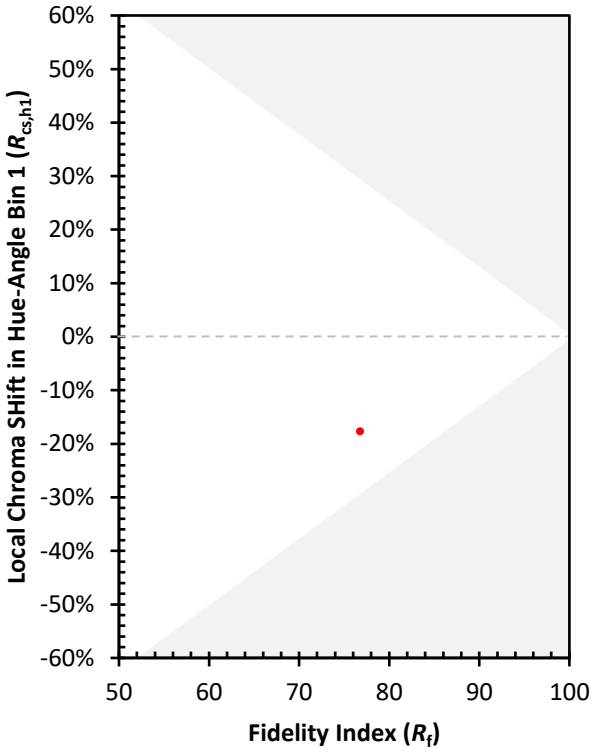


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Measure Comparisons





(END OF REPORT)