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: P1045933

Luminaire Tested: **FFX-CLB-70-730-U-FG-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:	P1045933
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-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7867.9 lumens
Efficiency:	N/A
Efficacy:	110.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
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

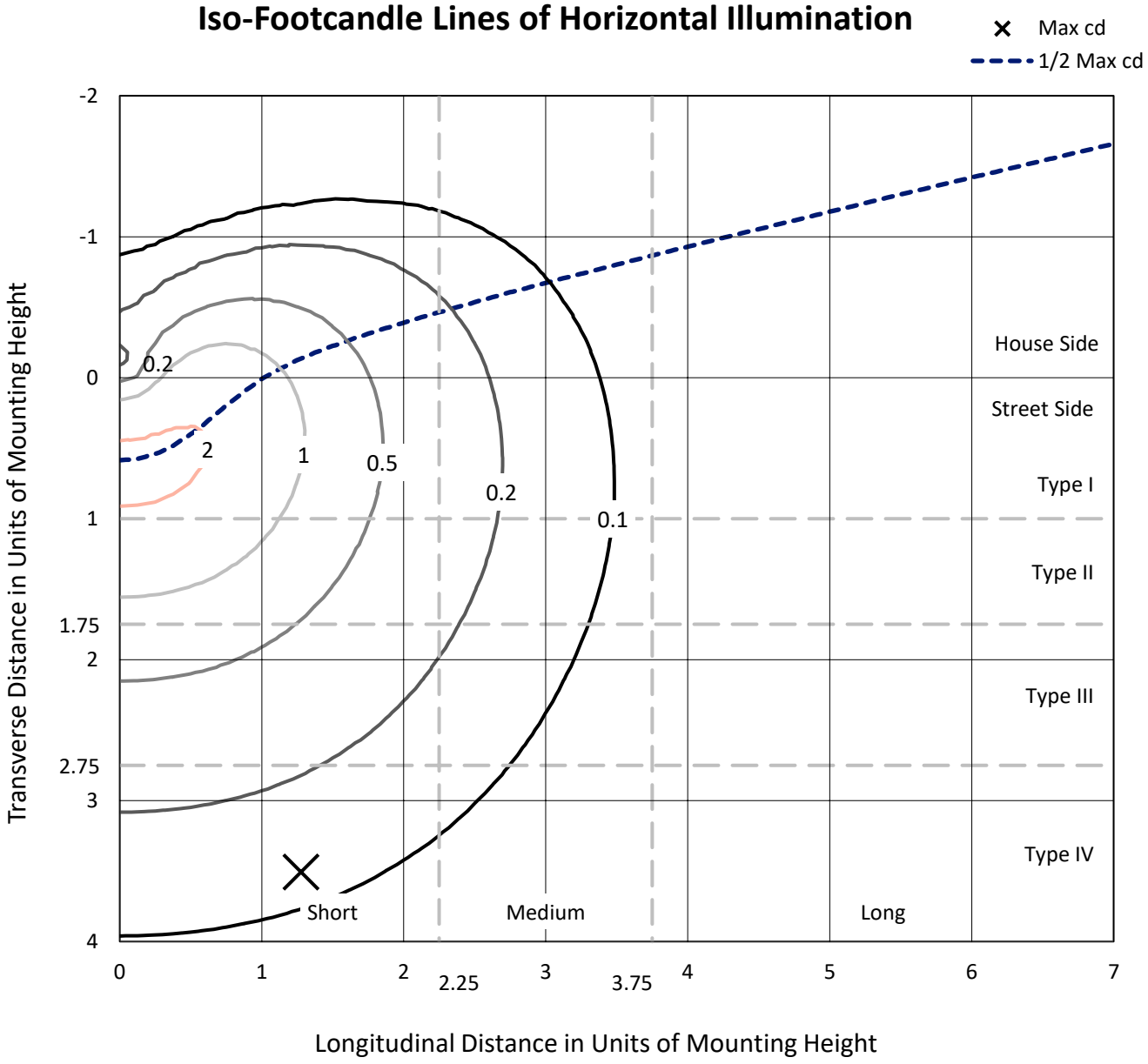


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Iso-Footcandle Lines of Horizontal Illumination



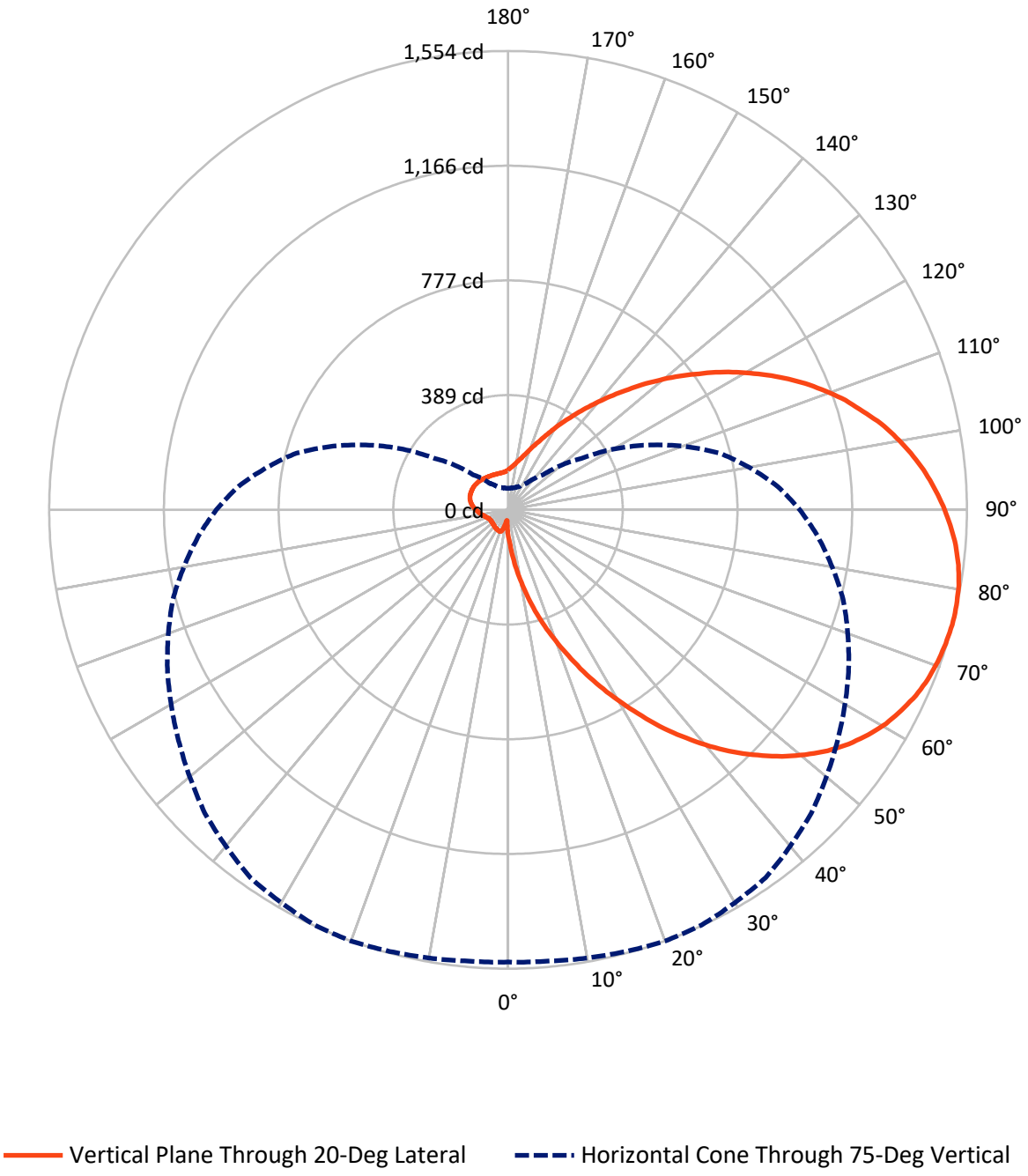
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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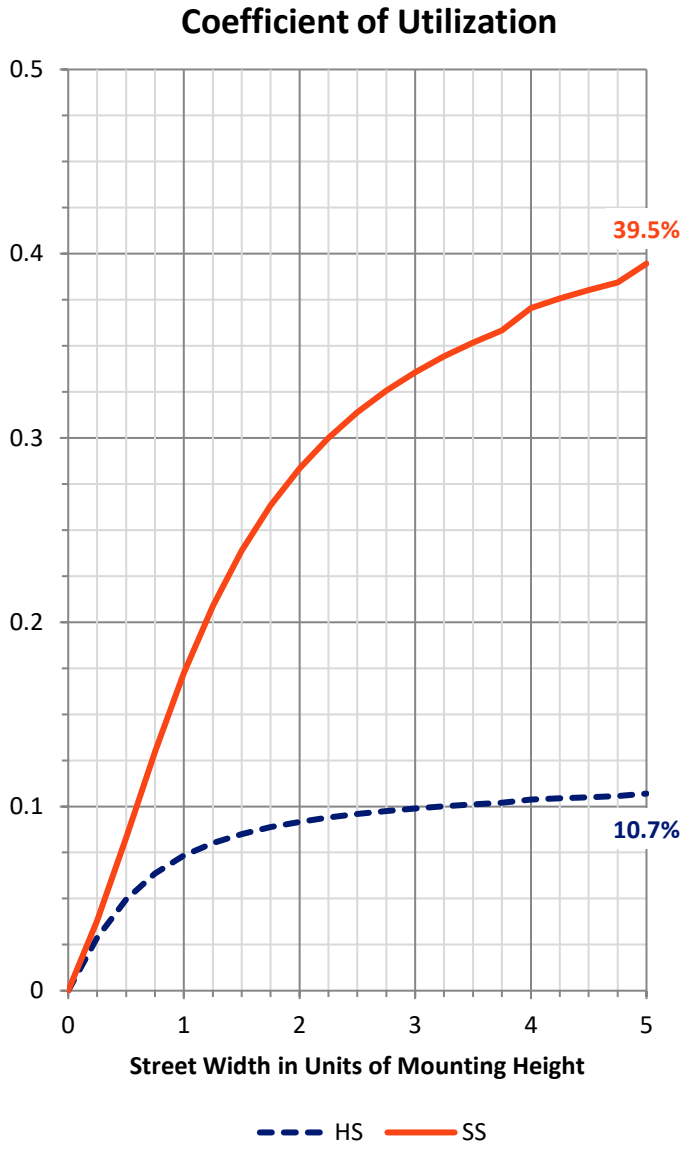
REPORT NUMBER: P1045933
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.6	865.4	1775.0
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3571.9	2521.1	6092.9
	% Fixture	45.4	32.0	77.4
Total	Lumens	4481.5	3386.4	7867.9
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	65.6	0.8
20°-30°	173.9	2.2
30°-40°	335.8	4.3
40°-50°	526.0	6.7
50°-60°	703.3	8.9
60°-70°	833.4	10.6
70°-80°	908.0	11.5
80°-90°	924.3	11.7
90°-100°	876.5	11.1
100°-110°	775.1	9.9
110°-120°	629.4	8.0
120°-130°	463.2	5.9
130°-140°	307.1	3.9
140°-150°	181.0	2.3
150°-160°	95.7	1.2
160°-170°	45.1	0.6
170°-180°	13.2	0.2
0°-90°	4481.5	57.0
0°-180°	7867.9	100.0



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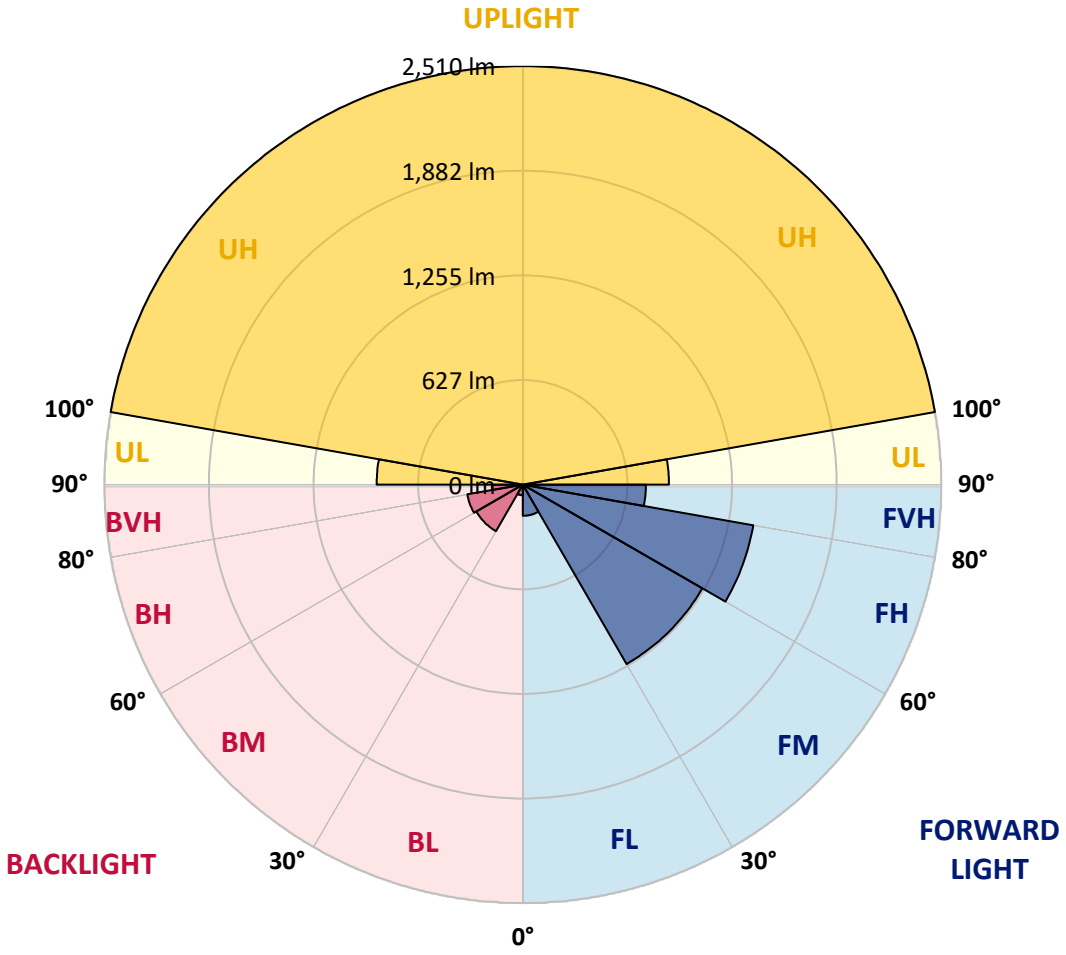
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	187.2	2.4			
FM	(30°-60°)	1243.1	15.8			
FH	(60°-80°)	1403.6	17.8			G1/1800
FVH	(80°-90°)	738.0	9.4			G4/750
BL	(0°-30°)	63.5	0.8	B0/110		
BM	(30°-60°)	322.0	4.1	B1/1000		
BH	(60°-80°)	337.8	4.3	B1/500		G1/500
BVH	(80°-90°)	186.3	2.4			G2/225
UL	(90°-100°)	876.5	11.1		U4/1000	
UH	(100°-180°)	2509.9	31.9		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	90.1	90.1	90.1	*90.1*	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	110.0	110.0	110.8	*110.8*	111.6	110.0	107.5	105.8	103.3	97.6	92.6
5°	152.9	153.8	152.1	*152.9*	153.8	149.6	143.8	136.4	125.7	115.7	105.0
7.5°	205.0	207.5	203.4	*202.5*	200.1	193.5	185.2	173.6	162.0	148.8	133.1
10°	262.1	261.2	256.3	*250.5*	248.8	240.6	229.8	219.1	201.7	185.2	168.7
12.5°	315.8	315.0	310.8	*306.7*	304.2	293.5	280.3	267.9	249.7	228.2	207.5
15°	372.0	372.8	368.7	*366.2*	361.3	350.5	339.8	321.6	303.4	278.6	253.8
17.5°	428.2	429.9	425.8	*424.1*	420.0	410.9	396.8	377.8	354.7	325.7	294.3
20°	490.2	491.9	489.4	*483.6*	478.7	468.7	456.3	432.4	406.7	377.0	336.5
22.5°	556.4	557.2	549.8	*548.1*	543.2	534.1	515.9	494.4	465.4	427.4	385.3
25°	621.7	621.7	620.0	*618.4*	610.9	600.2	582.0	555.6	523.3	482.8	433.2
27.5°	692.0	692.8	688.7	*687.0*	681.2	667.2	648.1	619.2	586.1	537.4	481.1
30°	766.4	765.5	761.4	*758.1*	755.6	741.6	720.1	690.3	649.0	592.8	535.7
32.5°	840.8	838.3	835.8	*832.5*	831.7	813.5	796.1	759.8	716.8	657.2	588.6
35°	916.8	911.0	909.4	*910.2*	906.1	891.2	865.6	830.0	780.4	718.4	640.7
37.5°	983.0	987.9	983.8	*980.5*	981.3	964.8	937.5	897.8	845.7	777.1	693.6
40°	1056.5	1053.2	1053.2	*1053.2*	1050.8	1035.9	1006.9	963.1	903.6	830.9	739.9
42.5°	1120.2	1120.2	1124.3	*1121.9*	1119.4	1102.0	1070.6	1021.8	959.0	880.5	784.6
45°	1185.5	1183.9	1188.8	*1185.5*	1183.9	1165.7	1132.6	1082.2	1016.0	930.1	829.2
47.5°	1245.9	1246.7	1248.3	*1248.3*	1246.7	1226.0	1191.3	1131.8	1064.8	973.0	867.2
50°	1297.9	1302.1	1307.0	*1303.7*	1305.4	1283.1	1244.2	1183.9	1106.1	1013.6	901.1
52.5°	1349.2	1349.2	1355.8	*1355.8*	1354.2	1332.7	1288.9	1225.2	1148.3	1049.9	932.5
55°	1393.0	1393.8	1399.6	*1400.5*	1399.6	1374.8	1328.5	1259.9	1179.7	1080.5	958.2
57.5°	1426.1	1428.6	1436.0	*1438.5*	1435.2	1412.9	1360.8	1291.3	1206.2	1104.5	980.5
60°	1455.8	1459.2	1467.4	*1470.7*	1468.2	1444.3	1389.7	1315.3	1227.7	1125.2	999.5
62.5°	1482.3	1483.1	1493.9	*1495.5*	1494.7	1469.1	1411.2	1333.5	1245.0	1140.9	1016.0
65°	1501.3	1503.8	1515.4	*1517.9*	1516.2	1488.9	1428.6	1348.4	1259.1	1154.1	1028.4
67.5°	1516.2	1517.9	1529.4	*1533.6*	1531.9	1503.0	1441.0	1357.5	1267.4	1163.2	1038.4
70°	1524.5	1526.9	1540.2	*1543.5*	1541.8	1512.9	1448.4	1361.6	1272.3	1169.8	1045.0
72.5°	1529.4	1531.9	1546.0	*1550.1*	1549.3	1518.7	1451.7	1363.3	1274.0	1173.1	1049.9
75°	*1531.9*	*1534.4*	*1548.4*	*1554.2*	*1551.7*	*1521.2*	*1452.5*	*1362.4*	*1273.1*	*1175.6*	*1054.1*
76°	1531.9	1533.6	1548.4	*1554.2*	1551.7	1521.2	1452.5	1360.8	1272.3	1176.4	1055.7
77.5°	1530.3	1532.7	1547.6	*1552.6*	1550.9	1520.3	1450.1	1357.5	1269.8	1174.8	1056.5
80°	1526.1	1528.6	1542.7	*1548.4*	1546.0	1514.5	1444.3	1350.9	1263.2	1171.5	1056.5
82.5°	1517.0	1519.5	1532.7	*1536.9*	1536.0	1504.6	1433.5	1339.3	1253.3	1165.7	1054.9
85°	1503.0	1505.5	1516.2	*1521.2*	1518.7	1488.9	1417.8	1323.6	1240.9	1156.6	1049.9
87.5°	1484.0	1485.6	1497.2	*1498.8*	1498.0	1468.2	1398.0	1303.7	1224.4	1144.2	1041.7
90°	1460.8	1462.5	1471.6	*1474.0*	1471.6	1443.4	1372.4	1282.2	1203.7	1129.3	1031.7
92.5°	1436.8	1436.0	1442.6	*1445.1*	1442.6	1414.5	1345.9	1256.6	1182.2	1112.8	1019.3
95°	1408.7	1410.4	1412.0	*1413.7*	1410.4	1383.1	1316.1	1228.5	1159.1	1094.6	1007.8
97.5°	1377.3	1376.5	1378.1	*1378.1*	1374.8	1347.5	1282.2	1201.2	1132.6	1074.7	992.1
100°	1344.2	1343.4	1341.8	*1338.5*	1335.1	1308.7	1248.3	1167.3	1105.3	1050.8	976.4
102.5°	1307.9	1302.9	1297.9	*1297.1*	1289.7	1267.4	1209.5	1135.1	1076.4	1028.4	956.5
105°	1263.2	1261.6	1254.1	*1247.5*	1243.4	1218.6	1165.7	1099.5	1045.8	1001.2	935.0
107.5°	1217.8	1214.4	1203.7	*1201.2*	1193.0	1170.6	1122.7	1064.0	1015.2	973.9	909.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1169.0	1167.3	1155.8	*1148.3*	1141.7	1116.9	1075.6	1026.0	981.3	943.3	880.5
112.5°	1114.4	1112.8	1100.4	*1094.6*	1084.7	1065.6	1026.8	982.1	944.1	909.4	849.0
115°	1059.0	1058.2	1044.1	*1036.7*	1027.6	1004.5	973.0	938.3	904.4	869.7	811.0
117.5°	1003.6	999.5	985.4	*976.4*	967.3	946.6	921.0	893.7	862.3	830.0	772.2
120°	940.8	940.0	924.3	*916.8*	908.6	889.5	867.2	841.6	816.8	784.6	733.3
122.5°	880.5	879.6	865.6	*856.5*	845.7	830.9	812.7	792.8	770.5	739.1	688.7
125°	819.3	817.6	802.7	*793.6*	784.6	772.2	754.8	740.7	722.6	692.8	644.8
127.5°	757.3	754.0	744.9	*735.8*	725.9	710.1	704.4	692.0	672.1	643.2	601.0
130°	699.4	697.7	685.3	*677.1*	667.2	654.8	649.8	639.9	625.8	599.4	559.7
132.5°	639.1	637.4	630.0	*621.7*	613.4	601.0	598.5	589.4	575.4	553.9	516.7
135°	585.3	583.7	575.4	*566.3*	562.2	553.1	549.8	542.3	529.1	507.6	475.4
137.5°	533.2	532.4	524.1	*516.7*	511.7	505.1	501.8	495.2	485.3	466.3	436.5
140°	486.1	482.0	475.4	*468.7*	463.8	457.2	455.5	449.7	442.3	424.1	402.6
142.5°	439.0	436.5	431.5	*425.8*	422.5	415.0	410.9	408.4	398.5	384.4	367.1
145°	392.7	392.7	388.6	*384.4*	379.5	374.5	371.2	368.7	360.4	348.0	331.5
147.5°	353.8	353.8	350.5	*348.9*	344.7	338.1	335.6	333.2	325.7	315.8	302.6
150°	320.8	319.1	316.6	*314.2*	310.8	305.1	300.9	298.4	292.7	285.2	272.8
152.5°	287.7	287.7	286.0	*282.7*	280.3	276.1	272.8	269.5	265.4	257.1	247.2
155°	259.6	259.6	257.1	*255.5*	253.8	250.5	247.2	243.9	238.9	232.3	224.9
157.5°	236.4	236.4	234.8	*234.0*	230.7	229.0	225.7	222.4	217.4	211.6	205.0
160°	214.9	215.8	214.9	*214.1*	211.6	209.2	205.9	202.5	198.4	193.5	188.5
162.5°	197.6	198.4	196.8	*195.9*	194.3	191.8	188.5	186.8	183.5	177.7	172.8
165°	182.7	182.7	181.9	*181.1*	180.2	176.9	175.3	173.6	170.3	166.2	162.0
167.5°	171.1	171.1	170.3	*170.3*	168.7	167.0	164.5	162.9	159.6	157.1	152.1
170°	161.2	161.2	160.4	*159.6*	158.7	157.1	155.4	152.9	151.3	148.0	145.5
172.5°	152.9	152.9	152.1	*151.3*	151.3	148.8	148.0	146.3	144.7	142.2	139.7
175°	146.3	145.5	145.5	*144.7*	143.8	142.2	141.4	140.5	138.9	138.1	136.4
177.5°	140.5	140.5	139.7	*139.7*	138.9	137.2	137.2	136.4	135.6	134.8	133.9
180°	133.1	133.1	133.1	*133.1*	133.1	133.1	133.1	133.1	133.1	133.1	133.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	90.1	87.6	81.0	75.2	71.1	65.3	60.4	58.7	57.9	57.0	57.0
5°	99.2	94.2	82.7	71.9	62.0	53.7	46.3	38.9	33.1	29.8	28.1
7.5°	124.8	119.0	103.3	89.3	75.2	62.8	50.4	41.3	33.1	28.1	28.1
10°	158.7	150.5	130.6	110.8	93.4	75.2	60.4	47.9	40.5	36.4	36.4
12.5°	194.3	183.5	160.4	134.8	110.8	90.1	71.9	58.7	50.4	47.1	47.1
15°	236.4	222.4	192.6	160.4	131.4	106.6	86.0	71.1	61.2	57.0	56.2
17.5°	277.0	258.8	223.2	186.8	152.1	122.4	98.4	79.4	68.6	62.8	62.0
20°	319.9	297.6	255.5	210.8	171.1	134.8	105.8	85.2	71.1	64.5	63.7
22.5°	359.6	335.6	285.2	233.1	186.0	143.8	110.0	86.0	70.3	62.8	62.0
25°	405.1	377.8	318.3	257.1	201.7	151.3	113.3	86.0	69.4	61.2	60.4
27.5°	451.4	419.1	352.2	281.1	215.8	159.6	115.7	86.0	67.8	59.5	58.7
30°	500.2	464.6	384.4	305.9	230.7	166.2	118.2	85.2	67.0	57.9	57.0
32.5°	549.8	508.4	420.0	329.9	245.5	172.8	119.9	85.2	65.3	57.0	55.4
35°	600.2	552.2	455.5	354.7	258.8	178.6	120.7	84.3	64.5	55.4	54.6
37.5°	644.8	595.2	488.6	377.0	271.2	182.7	121.5	83.5	63.7	54.6	53.7
40°	690.3	636.6	520.0	396.8	280.3	185.2	120.7	82.7	62.0	53.7	52.9
42.5°	731.6	673.8	548.9	415.8	288.5	187.7	119.9	81.0	61.2	52.9	52.1
45°	771.3	710.1	576.2	432.4	296.0	188.5	118.2	80.2	60.4	52.9	52.1
47.5°	807.7	741.6	602.7	448.1	302.6	188.5	117.4	78.5	60.4	52.9	52.1
50°	838.3	773.0	624.2	462.1	306.7	187.7	115.7	77.7	60.4	52.9	52.1
52.5°	868.1	798.6	645.7	472.9	309.2	186.0	113.3	76.9	60.4	53.7	52.9
55°	892.0	821.8	663.9	484.5	311.7	184.4	111.6	76.1	60.4	53.7	53.7
57.5°	912.7	840.8	677.9	491.9	311.7	181.1	110.0	76.1	61.2	55.4	54.6
60°	932.5	858.1	692.8	498.5	311.7	178.6	108.3	76.1	62.0	56.2	55.4
62.5°	945.8	872.2	704.4	504.3	310.0	176.1	106.6	76.1	62.8	57.9	57.0
65°	959.0	885.4	715.1	509.3	309.2	173.6	106.6	76.9	64.5	60.4	59.5
67.5°	968.9	896.2	722.6	512.6	307.5	171.1	105.8	78.5	67.0	62.8	62.0
70°	977.2	904.4	731.6	515.0	305.9	169.5	106.6	81.0	69.4	65.3	65.3
72.5°	983.8	911.9	736.6	517.5	304.2	168.7	108.3	83.5	73.6	69.4	68.6
75°	*987.9*	*916.0*	*741.6*	*518.4*	*302.6*	*167.8*	*110.0*	*86.8*	*76.9*	*73.6*	*72.8*
76°	988.8	917.7	743.2	519.2	301.8	167.8	110.8	87.6	78.5	75.2	74.4
77.5°	991.2	920.1	744.9	519.2	300.9	167.8	112.4	90.1	81.0	77.7	77.7
80°	992.9	921.8	747.4	520.0	299.3	167.8	114.9	94.2	86.0	82.7	81.8
82.5°	992.1	922.6	748.2	518.4	298.4	168.7	118.2	98.4	90.9	87.6	86.8
85°	988.8	920.1	746.5	515.9	296.0	170.3	121.5	103.3	95.1	91.8	91.8
87.5°	983.0	914.3	742.4	512.6	294.3	171.1	124.8	107.5	100.0	96.7	96.7
90°	974.7	907.7	737.4	509.3	291.8	172.0	129.0	111.6	105.0	102.5	101.7
92.5°	964.8	899.5	730.8	504.3	290.2	173.6	132.3	116.6	110.0	106.6	106.6
95°	954.9	890.4	723.4	498.5	288.5	176.1	135.6	120.7	114.1	111.6	111.6
97.5°	940.8	878.0	713.5	491.9	286.0	176.9	139.7	124.8	119.0	115.7	115.7
100°	923.4	863.9	701.9	485.3	284.4	179.4	143.0	129.0	123.2	120.7	119.9
102.5°	906.1	847.4	689.5	477.8	281.9	180.2	146.3	133.1	126.5	124.0	124.0
105°	886.2	829.2	673.8	467.9	279.4	181.9	148.8	135.6	129.8	127.3	126.5
107.5°	863.1	806.0	658.1	458.8	277.0	183.5	151.3	138.1	132.3	129.8	129.0

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

Scaled Data Report

REPORT NUMBER: P1045933
CATALOG NUMBER: FFX-CLB-70-730-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	836.6	784.6	639.1	448.9	275.3	186.0	153.8	139.7	133.9	130.6	130.6
112.5°	806.0	754.0	618.4	437.3	275.3	189.3	155.4	141.4	134.8	131.4	131.4
115°	769.7	721.7	593.6	426.6	274.5	192.6	158.7	142.2	134.8	132.3	131.4
117.5°	734.1	687.8	568.8	415.8	277.0	198.4	162.0	143.8	134.8	131.4	131.4
120°	694.4	652.3	543.2	405.1	280.3	204.2	166.2	144.7	134.8	130.6	130.6
122.5°	653.1	614.3	518.4	395.2	282.7	210.8	169.5	146.3	133.9	129.8	129.0
125°	614.3	575.4	490.2	385.3	285.2	216.6	173.6	147.2	133.1	128.1	127.3
127.5°	571.3	541.5	465.4	374.5	286.9	221.6	176.9	148.0	132.3	126.5	125.7
130°	534.1	505.1	440.6	362.9	285.2	223.2	177.7	147.2	130.6	124.8	124.8
132.5°	492.7	469.6	413.4	348.0	281.1	223.2	178.6	147.2	129.8	124.0	123.2
135°	456.3	434.9	387.7	331.5	273.6	219.9	176.9	146.3	129.0	123.2	122.4
137.5°	422.5	401.8	360.4	314.2	262.9	214.1	173.6	144.7	128.1	122.4	121.5
140°	386.1	371.2	335.6	295.1	251.3	207.5	169.5	143.0	128.1	122.4	121.5
142.5°	353.0	340.6	308.4	274.5	236.4	197.6	164.5	140.5	127.3	122.4	121.5
145°	323.2	309.2	284.4	253.8	221.6	188.5	159.6	138.9	126.5	122.4	121.5
147.5°	294.3	281.9	261.2	234.8	208.3	179.4	154.6	136.4	126.5	122.4	121.5
150°	265.4	257.1	238.9	217.4	193.5	170.3	149.6	134.8	126.5	123.2	122.4
152.5°	240.6	234.8	219.1	201.7	181.1	161.2	144.7	133.1	126.5	123.2	123.2
155°	219.9	214.1	200.9	185.2	170.3	153.8	141.4	131.4	126.5	124.0	123.2
157.5°	199.2	195.1	184.4	172.8	160.4	148.0	138.1	130.6	126.5	124.0	124.0
160°	183.5	179.4	171.1	162.0	152.1	143.0	134.8	129.0	126.5	124.8	124.8
162.5°	170.3	167.0	160.4	152.9	145.5	138.1	132.3	128.1	126.5	124.8	124.8
165°	159.6	157.1	151.3	145.5	140.5	134.8	130.6	128.1	126.5	125.7	125.7
167.5°	150.5	148.8	144.7	140.5	136.4	132.3	129.0	127.3	126.5	126.5	126.5
170°	143.8	142.2	139.7	136.4	133.1	130.6	128.1	127.3	127.3	126.5	127.3
172.5°	138.9	138.1	135.6	133.1	131.4	129.0	128.1	127.3	128.1	128.1	128.1
175°	135.6	134.8	133.1	131.4	130.6	129.0	129.0	128.1	129.0	129.8	129.8
177.5°	133.1	132.3	131.4	131.4	130.6	129.8	129.8	130.6	131.4	131.4	131.4
180°	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1

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

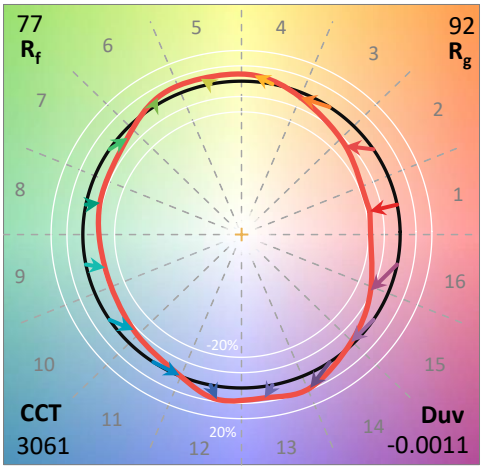
Test Information

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

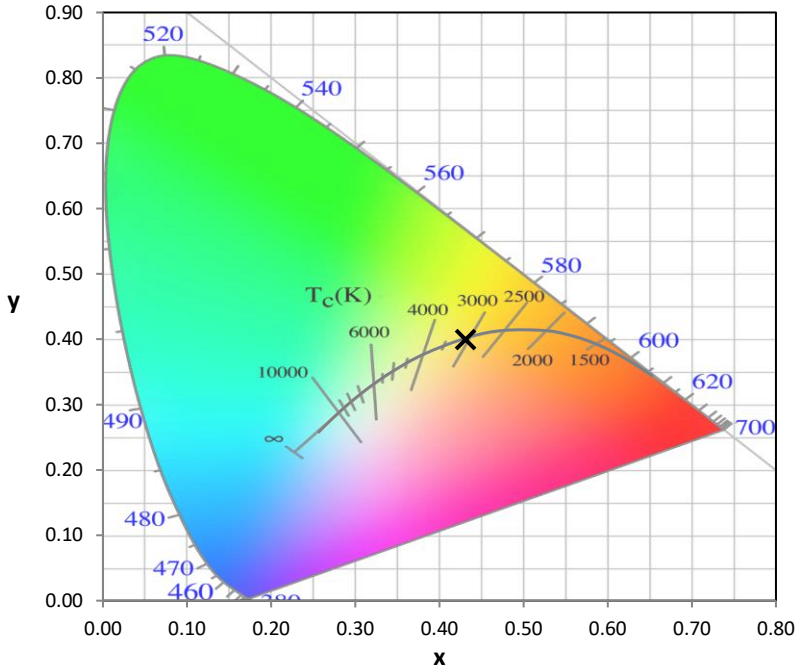
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

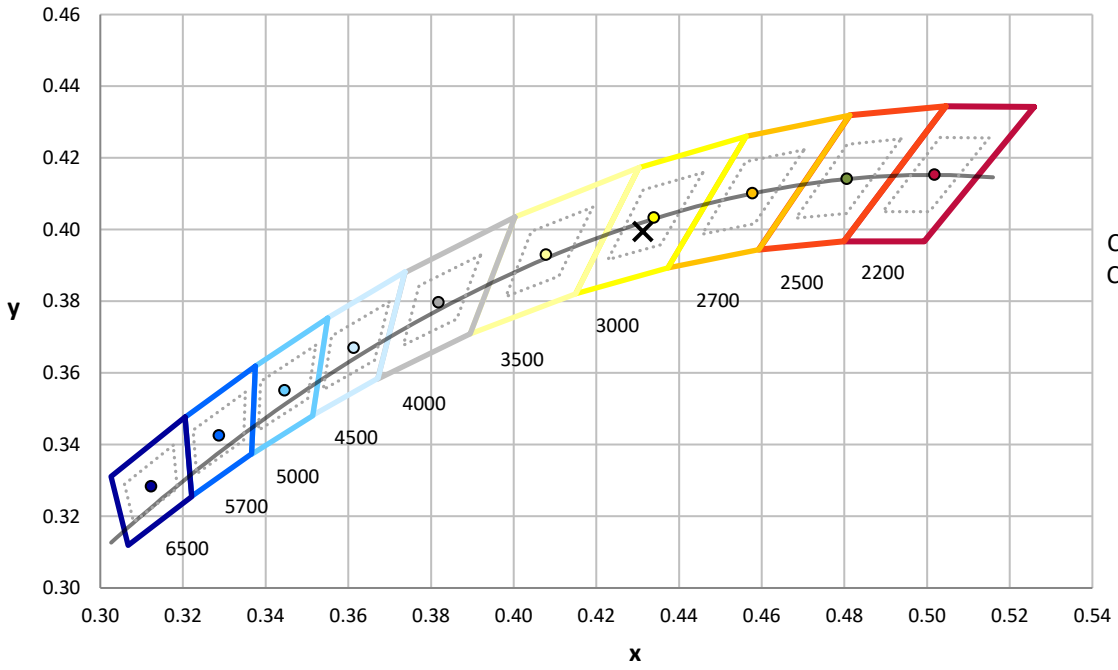
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

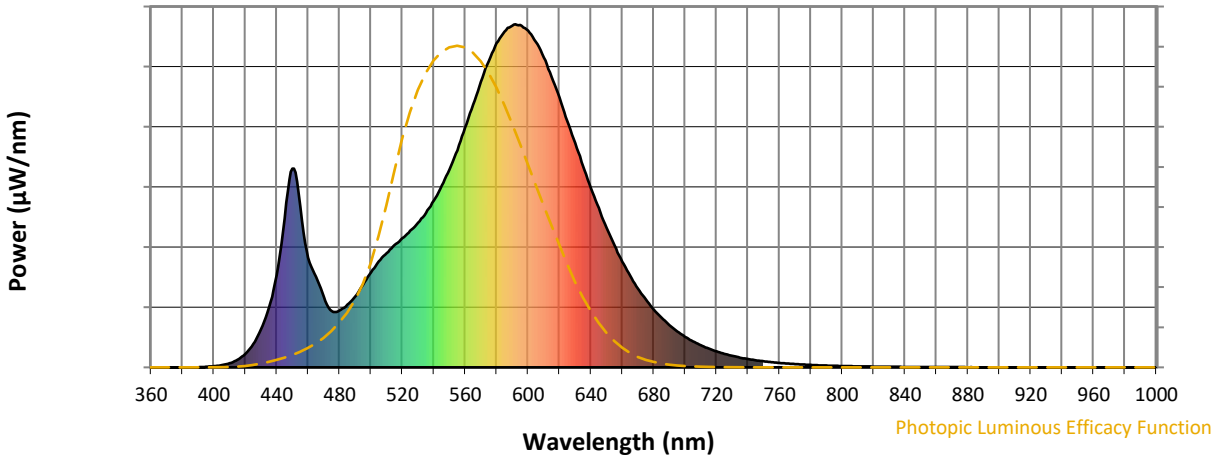


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

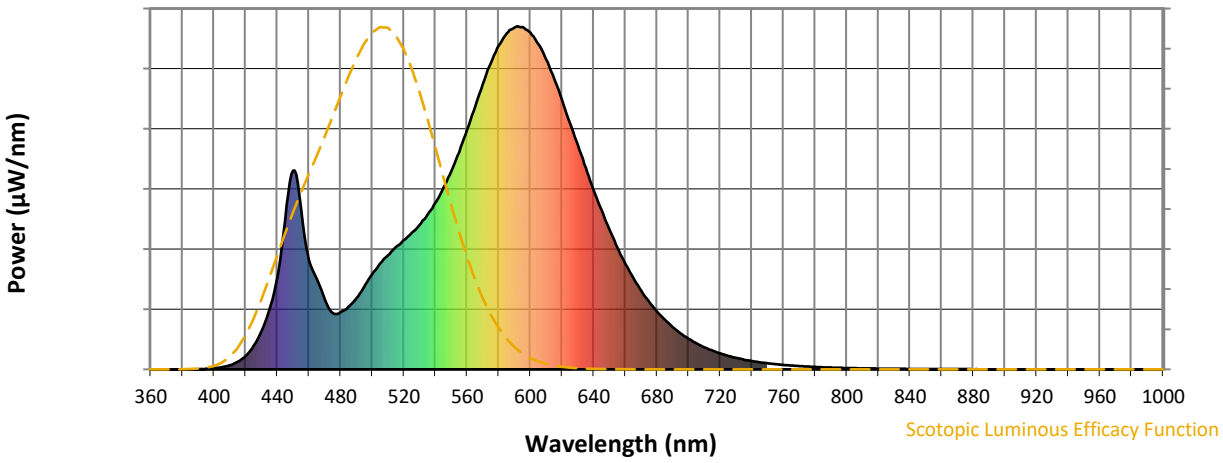


Photopic Lumens: NR

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

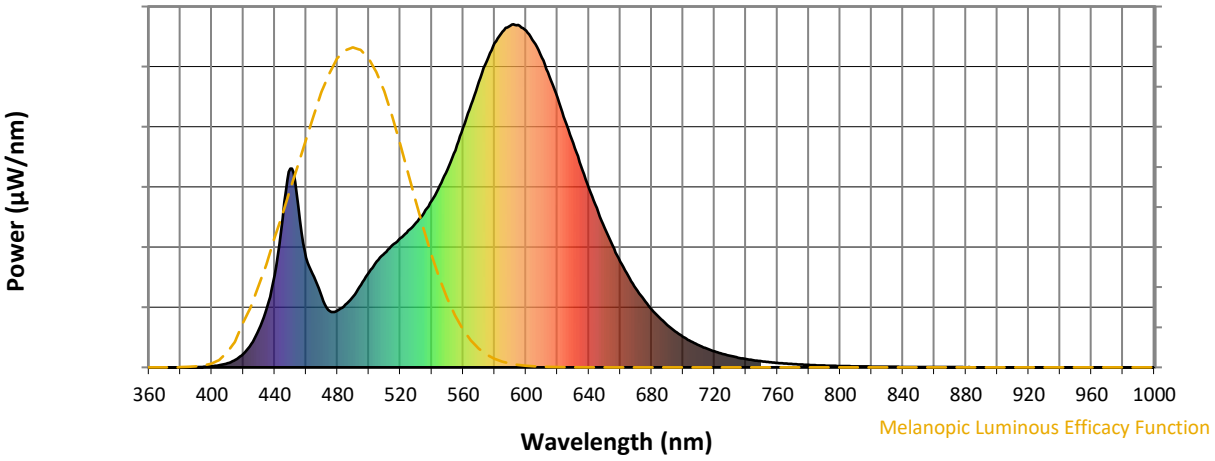


Scotopic Lumens: NR **S/P: 1.29**

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			

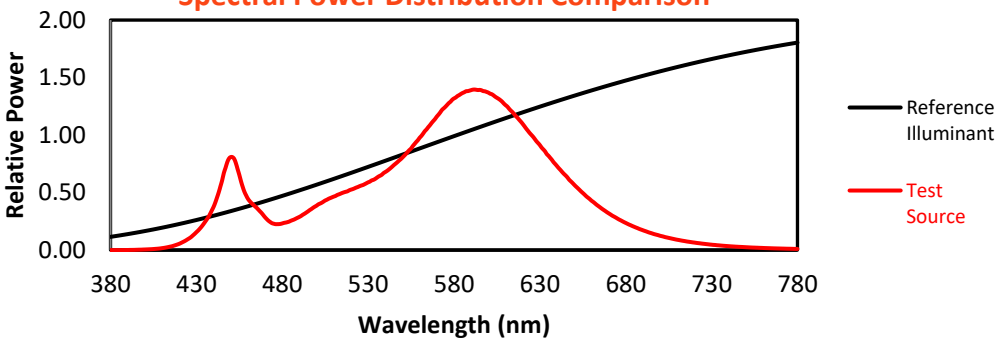
REPORT NUMBER: SP1-2501-332-4

TM-30-18

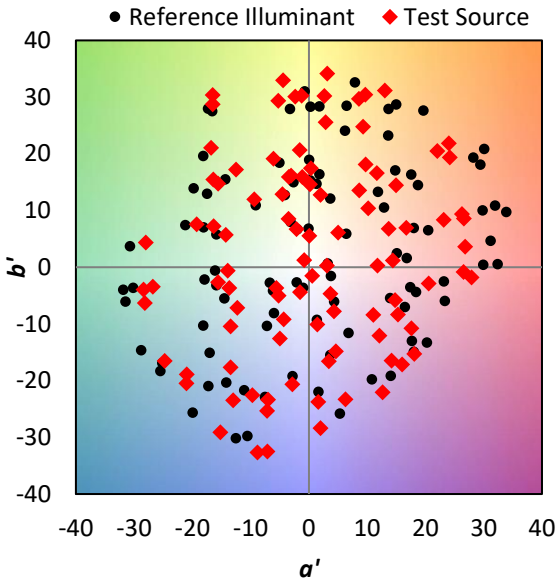
Summary

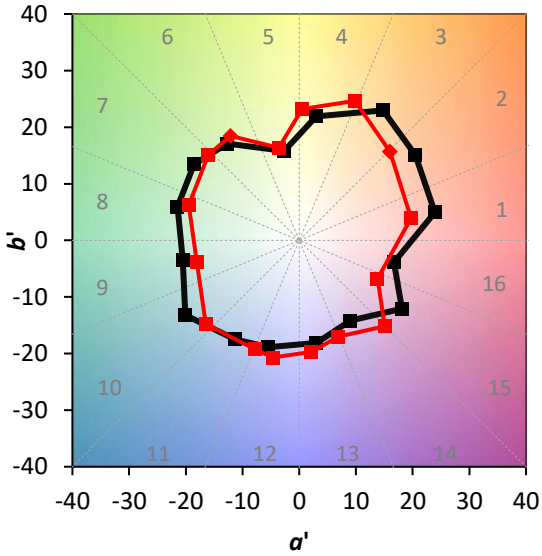
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

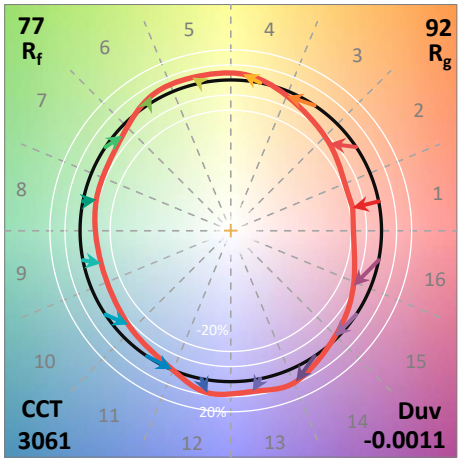
Spectral Power Distribution Comparison

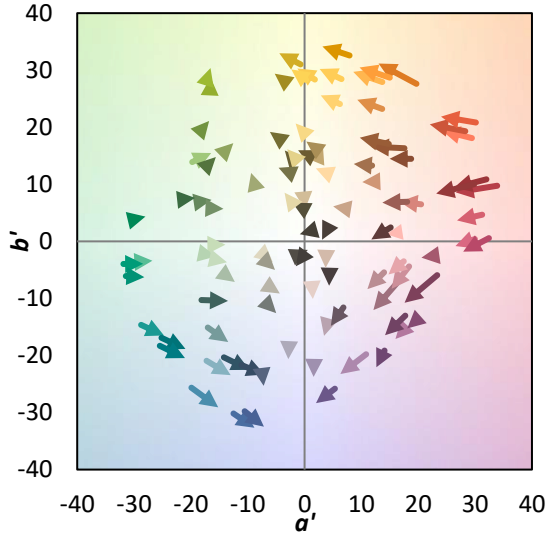


Color Vector Graphics







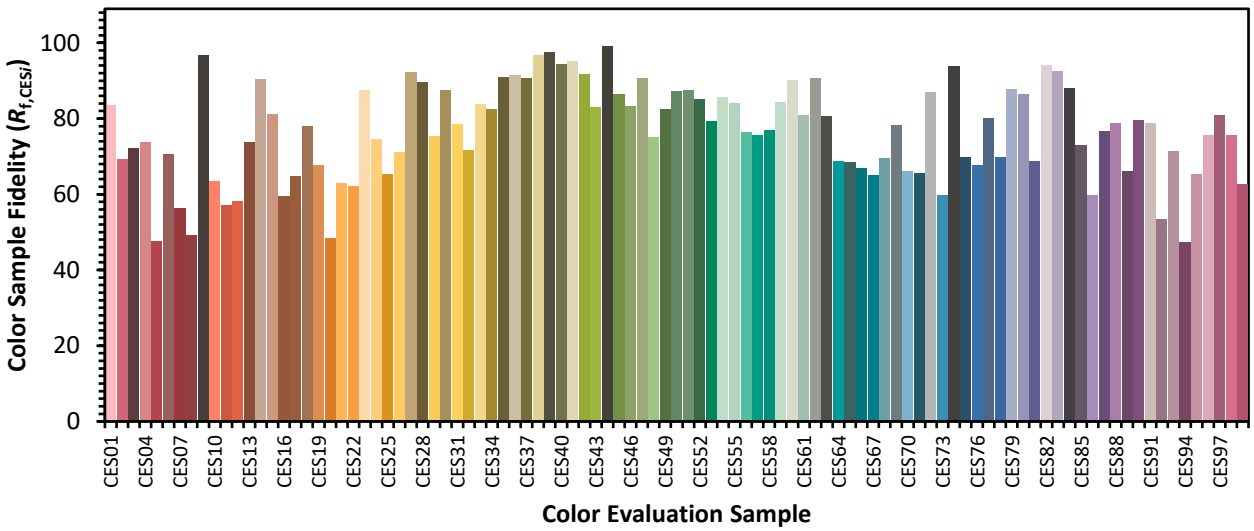


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

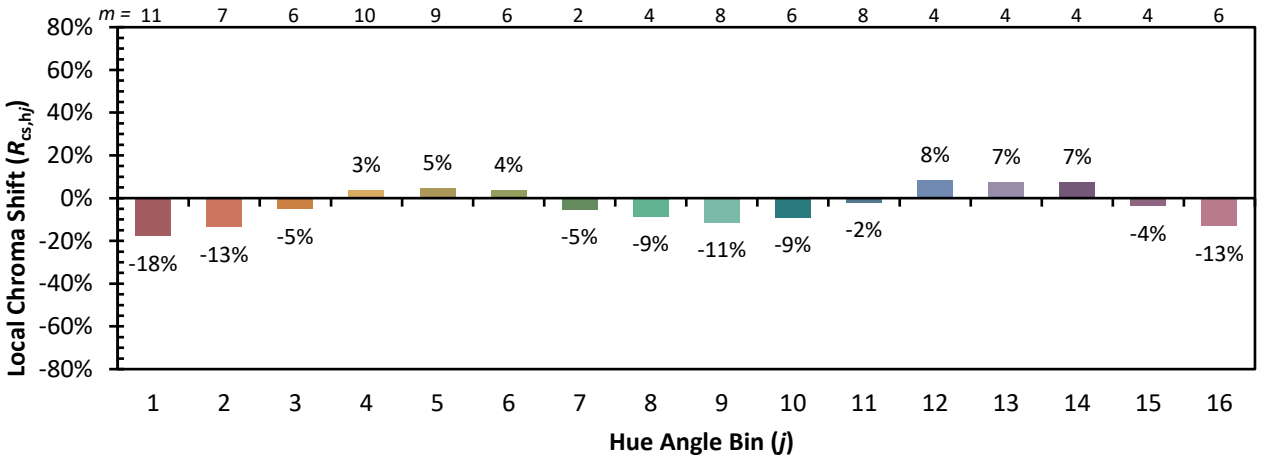
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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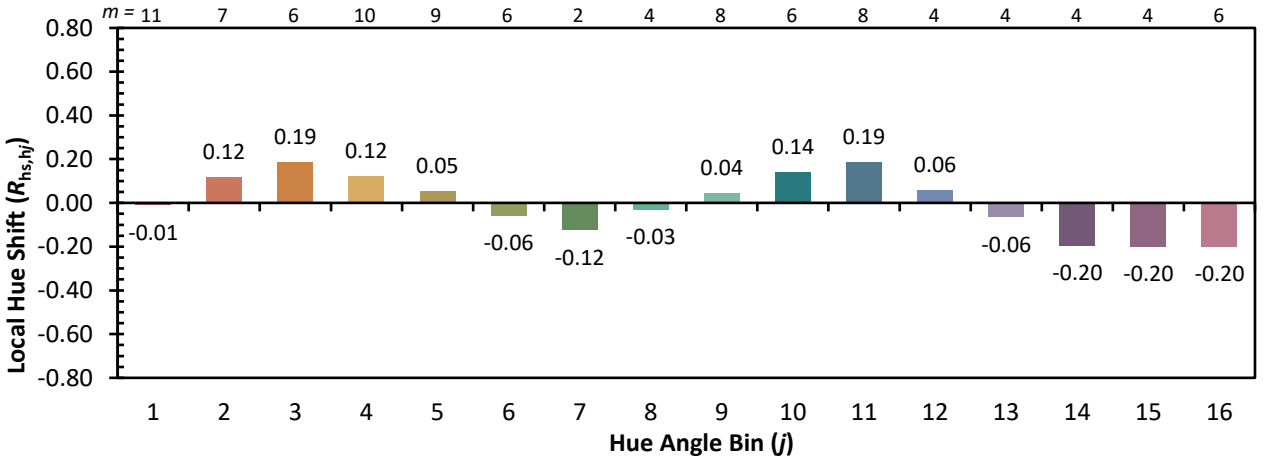


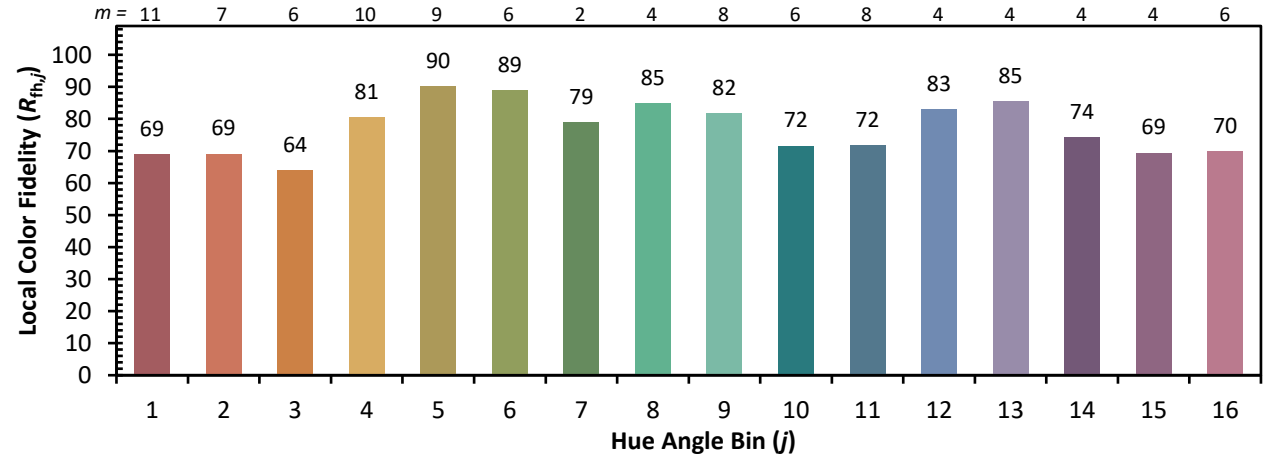
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Color Rendition by Hue-Angle Bin



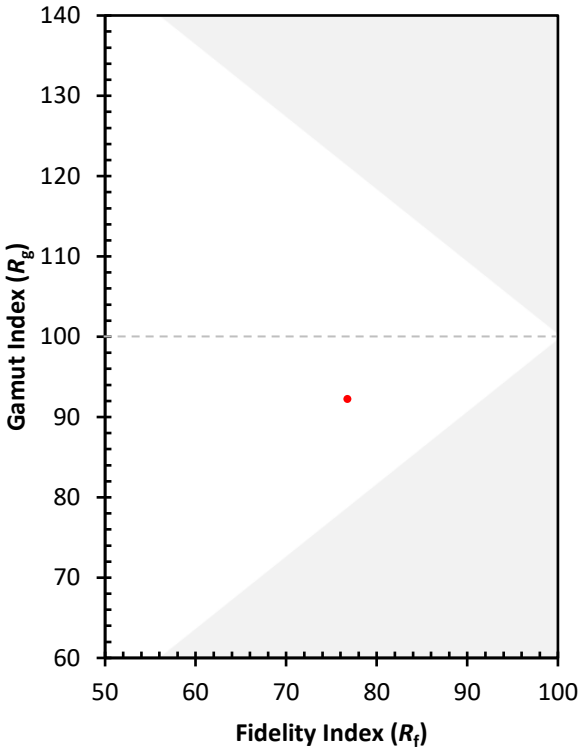


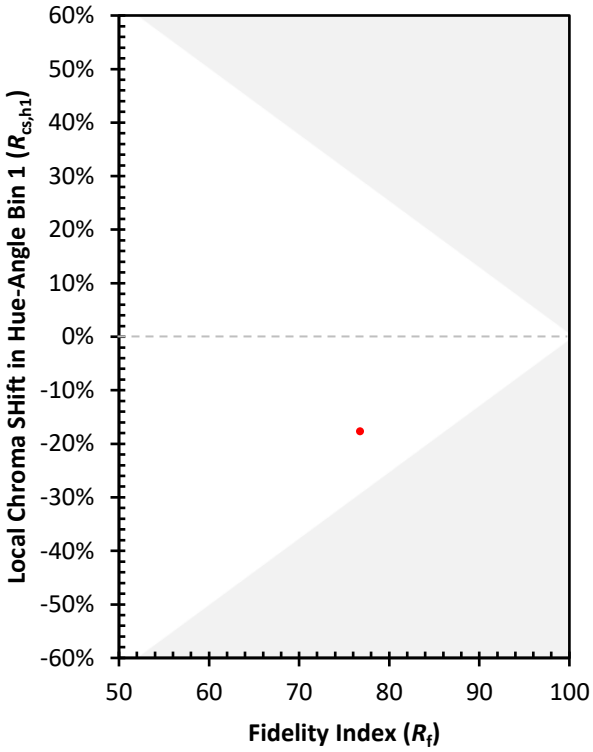


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Measure Comparisons





(END OF REPORT)