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: P1045952

Luminaire Tested: **FFX-CLB-60-750-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:	P1045952
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7083.3 lumens
Efficiency:	N/A
Efficacy:	116.9 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):	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

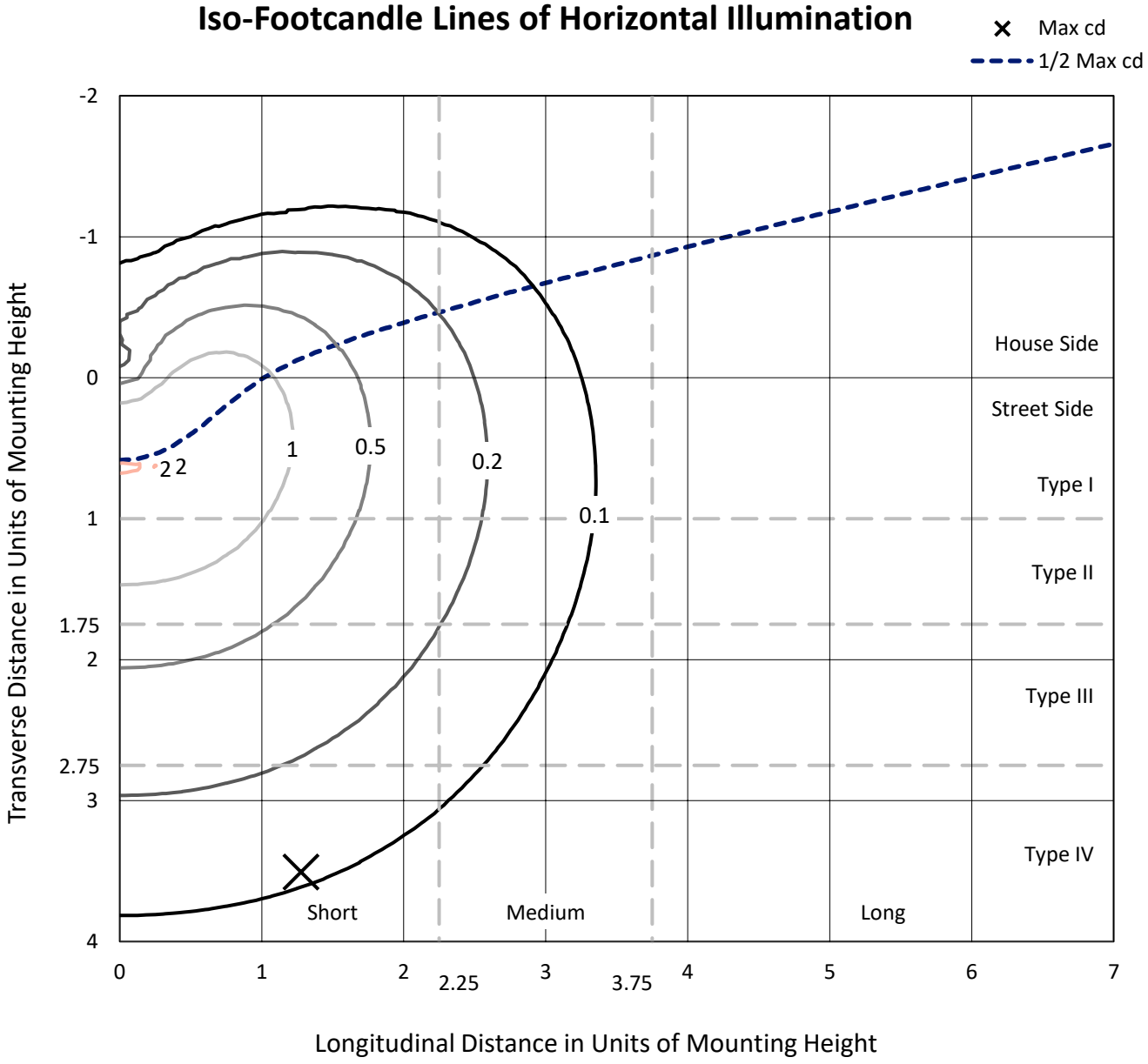


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Iso-Footcandle Lines of Horizontal Illumination



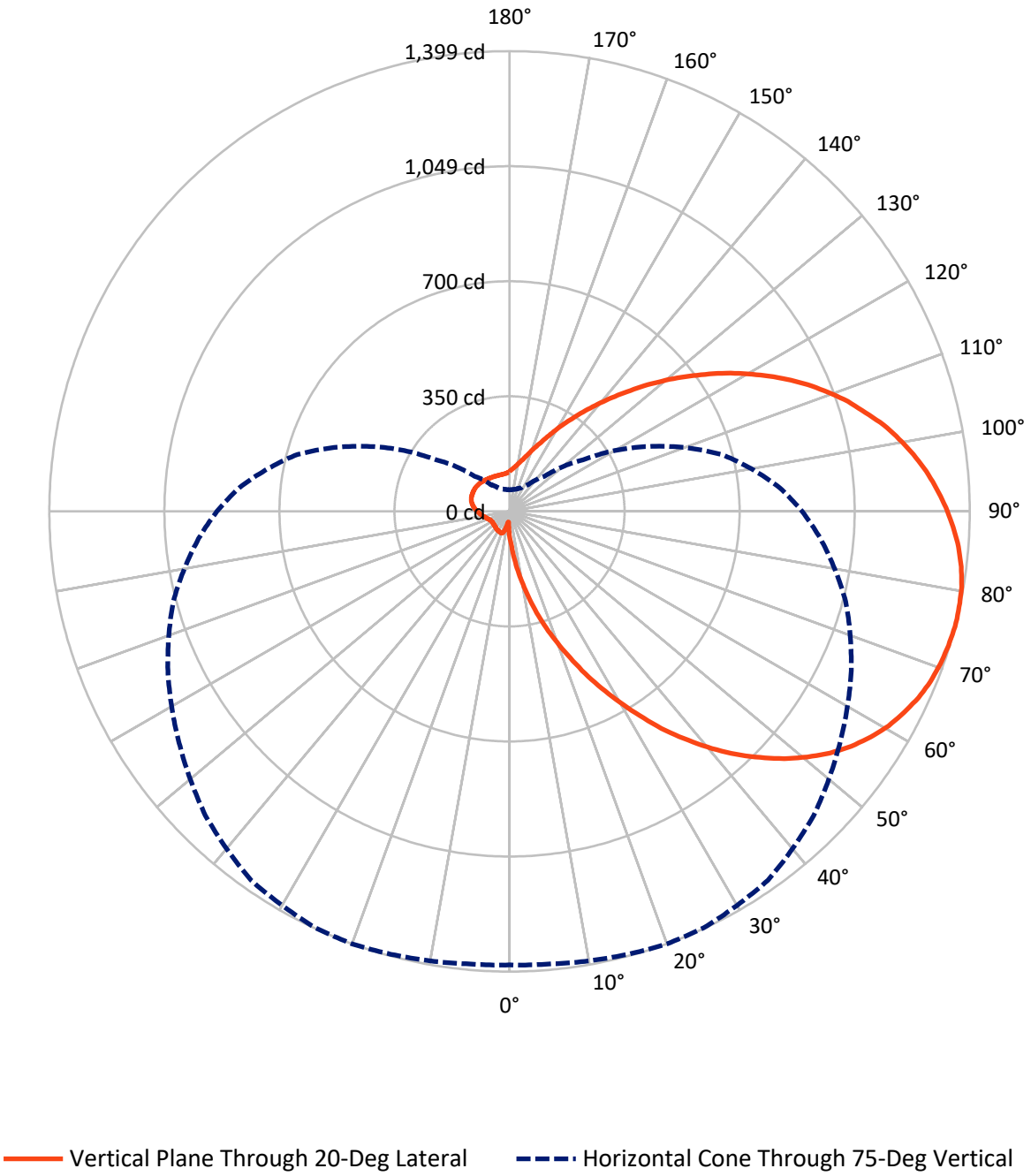
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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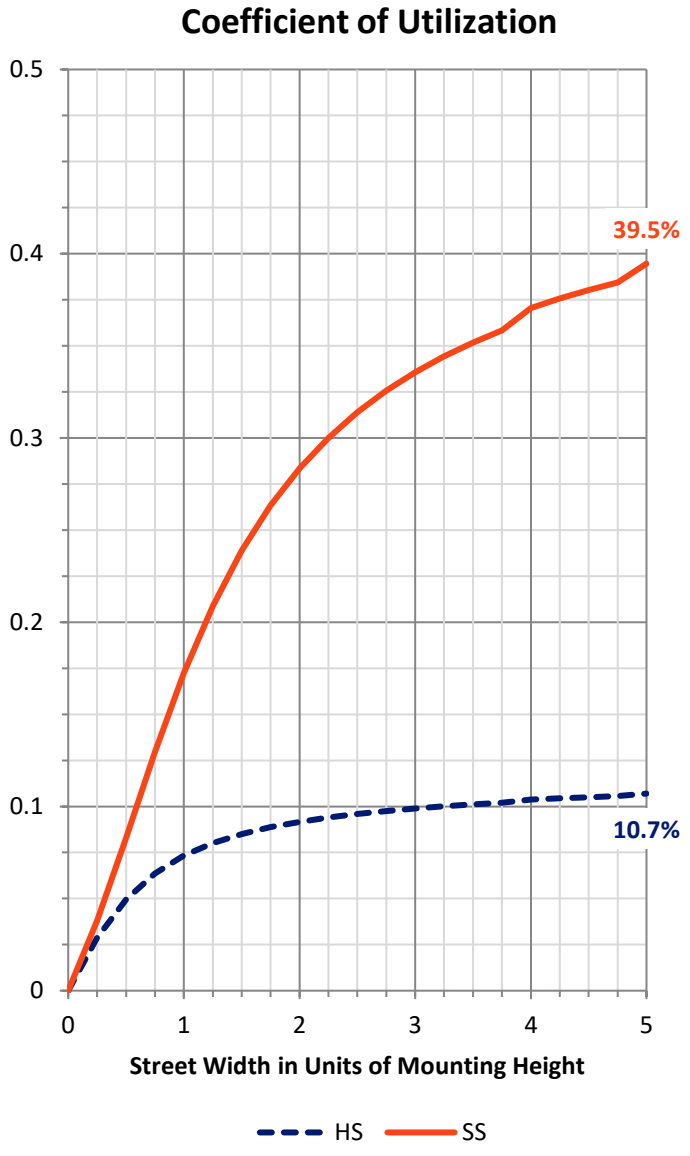
REPORT NUMBER: P1045952
CATALOG NUMBER: FFX-CLB-60-750-U-FG-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.9	779.1	1598.0
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3215.6	2269.6	5485.3
	% Fixture	45.4	32.0	77.4
Total	Lumens	4034.6	3048.7	7083.3
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	59.1	0.8
20°-30°	156.5	2.2
30°-40°	302.3	4.3
40°-50°	473.5	6.7
50°-60°	633.1	8.9
60°-70°	750.3	10.6
70°-80°	817.4	11.5
80°-90°	832.1	11.7
90°-100°	789.1	11.1
100°-110°	697.8	9.9
110°-120°	566.6	8.0
120°-130°	417.1	5.9
130°-140°	276.5	3.9
140°-150°	163.0	2.3
150°-160°	86.2	1.2
160°-170°	40.6	0.6
170°-180°	11.9	0.2
0°-90°	4034.6	57.0
0°-180°	7083.3	100.0



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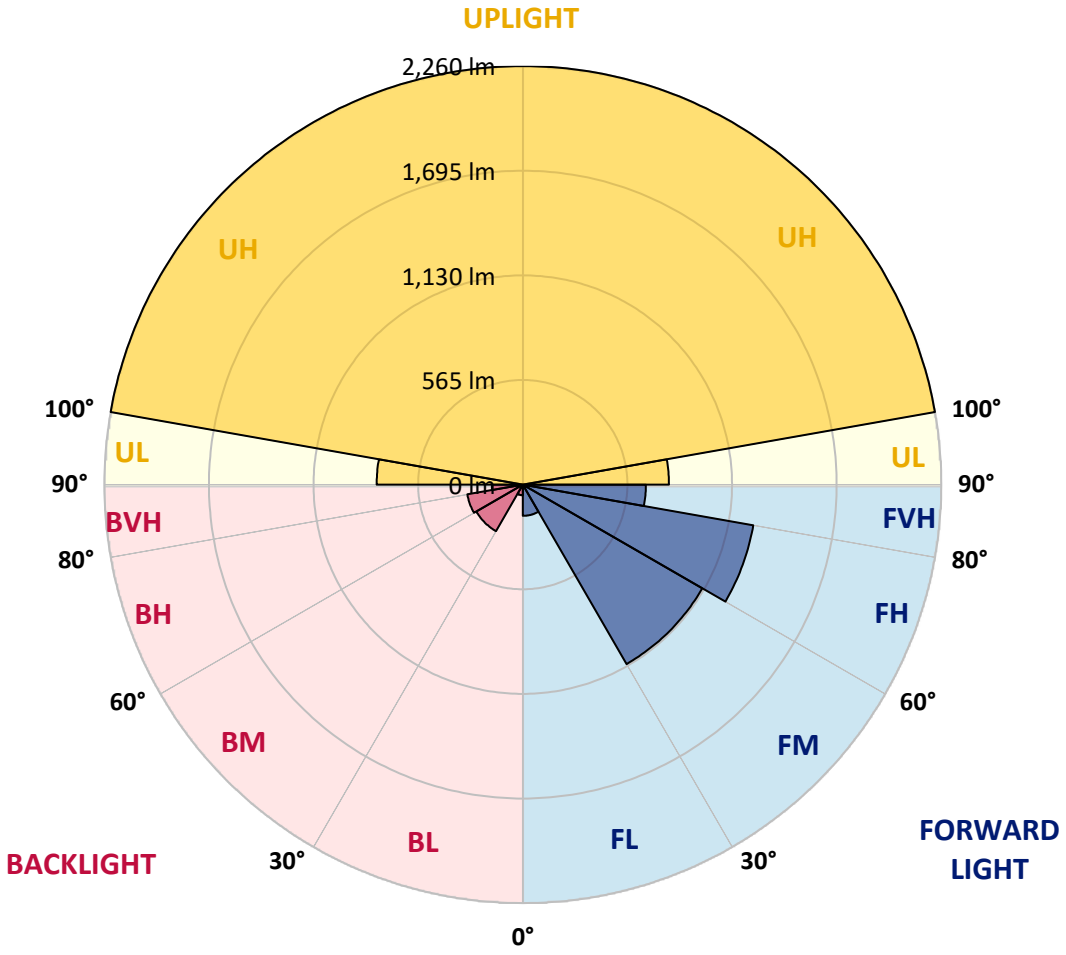
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	168.5	2.4			
FM	(30°-60°)	1119.1	15.8			
FH	(60°-80°)	1263.6	17.8			G1/1800
FVH	(80°-90°)	664.4	9.4			G4/750
BL	(0°-30°)	57.2	0.8	B0/110		
BM	(30°-60°)	289.9	4.1	B1/1000		
BH	(60°-80°)	304.1	4.3	B1/500		G1/500
BVH	(80°-90°)	167.7	2.4			G2/225
UL	(90°-100°)	789.1	11.1		U4/1000	
UH	(100°-180°)	2259.6	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°	81.1	81.1	81.1	*81.1*	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	99.0	99.0	99.7	*99.7*	100.5	99.0	96.8	95.3	93.0	87.8	83.4
5°	137.7	138.4	136.9	*137.7*	138.4	134.7	129.5	122.8	113.1	104.2	94.5
7.5°	184.6	186.8	183.1	*182.3*	180.1	174.2	166.7	156.3	145.9	134.0	119.8
10°	235.9	235.2	230.7	*225.5*	224.0	216.6	206.9	197.2	181.6	166.7	151.8
12.5°	284.3	283.6	279.8	*276.1*	273.9	264.2	252.3	241.1	224.8	205.4	186.8
15°	334.9	335.7	331.9	*329.7*	325.2	315.6	305.9	289.5	273.1	250.8	228.5
17.5°	385.5	387.0	383.3	*381.8*	378.1	369.9	357.3	340.1	319.3	293.2	265.0
20°	441.4	442.8	440.6	*435.4*	430.9	422.0	410.8	389.3	366.2	339.4	302.9
22.5°	500.9	501.6	494.9	*493.5*	489.0	480.8	464.4	445.1	419.0	384.8	346.8
25°	559.7	559.7	558.2	*556.7*	550.0	540.3	524.0	500.2	471.1	434.7	390.0
27.5°	623.0	623.7	620.0	*618.5*	613.3	600.6	583.5	557.5	527.7	483.8	433.2
30°	689.9	689.2	685.5	*682.5*	680.3	667.6	648.3	621.5	584.3	533.6	482.3
32.5°	756.9	754.7	752.5	*749.5*	748.7	732.4	716.7	684.0	645.3	591.7	529.9
35°	825.4	820.2	818.7	*819.4*	815.7	802.3	779.3	747.2	702.6	646.8	576.8
37.5°	884.9	889.4	885.7	*882.7*	883.5	868.6	844.0	808.3	761.4	699.6	624.4
40°	951.2	948.2	948.2	*948.2*	946.0	932.6	906.5	867.1	813.5	748.0	666.1
42.5°	1008.5	1008.5	1012.2	*1010.0*	1007.7	992.1	963.8	919.9	863.4	792.6	706.3
45°	1067.3	1065.8	1070.3	*1067.3*	1065.8	1049.4	1019.7	974.3	914.7	837.3	746.5
47.5°	1121.6	1122.4	1123.8	*1123.8*	1122.4	1103.8	1072.5	1018.9	958.6	876.0	780.7
50°	1168.5	1172.2	1176.7	*1173.7*	1175.2	1155.1	1120.1	1065.8	995.8	912.5	811.3
52.5°	1214.7	1214.7	1220.6	*1220.6*	1219.1	1199.8	1160.3	1103.0	1033.8	945.2	839.5
55°	1254.1	1254.8	1260.1	*1260.8*	1260.1	1237.7	1196.0	1134.3	1062.1	972.8	862.6
57.5°	1283.9	1286.1	1292.8	*1295.0*	1292.1	1272.0	1225.1	1162.6	1085.9	994.3	882.7
60°	1310.7	1313.6	1321.1	*1324.1*	1321.8	1300.2	1251.1	1184.1	1105.2	1013.0	899.8
62.5°	1334.5	1335.2	1344.9	*1346.4*	1345.6	1322.6	1270.5	1200.5	1120.9	1027.1	914.7
65°	1351.6	1353.8	1364.2	*1366.5*	1365.0	1340.4	1286.1	1213.9	1133.5	1039.0	925.9
67.5°	1365.0	1366.5	1376.9	*1380.6*	1379.1	1353.1	1297.3	1222.1	1141.0	1047.2	934.8
70°	1372.4	1374.7	1386.6	*1389.6*	1388.1	1362.0	1304.0	1225.8	1145.4	1053.1	940.8
72.5°	1376.9	1379.1	1391.8	*1395.5*	1394.8	1367.2	1306.9	1227.3	1146.9	1056.1	945.2
75°	*1379.1*	*1381.4*	*1394.0*	*1399.2*	*1397.0*	*1369.5*	*1307.7*	*1226.6*	*1146.2*	*1058.4*	*948.9*
76°	1379.1	1380.6	1394.0	*1399.2*	1397.0	1369.5	1307.7	1225.1	1145.4	1059.1	950.4
77.5°	1377.6	1379.9	1393.3	*1397.7*	1396.3	1368.7	1305.5	1222.1	1143.2	1057.6	951.2
80°	1373.9	1376.2	1388.8	*1394.0*	1391.8	1363.5	1300.2	1216.1	1137.2	1054.6	951.2
82.5°	1365.7	1368.0	1379.9	*1383.6*	1382.9	1354.6	1290.6	1205.7	1128.3	1049.4	949.7
85°	1353.1	1355.3	1365.0	*1369.5*	1367.2	1340.4	1276.4	1191.6	1117.2	1041.2	945.2
87.5°	1336.0	1337.5	1347.9	*1349.4*	1348.6	1321.8	1258.6	1173.7	1102.3	1030.1	937.8
90°	1315.1	1316.6	1324.8	*1327.0*	1324.8	1299.5	1235.5	1154.4	1083.7	1016.7	928.9
92.5°	1293.5	1292.8	1298.8	*1301.0*	1298.8	1273.4	1211.7	1131.3	1064.3	1001.8	917.7
95°	1268.2	1269.7	1271.2	*1272.7*	1269.7	1245.2	1184.9	1106.0	1043.5	985.4	907.3
97.5°	1240.0	1239.2	1240.7	*1240.7*	1237.7	1213.2	1154.4	1081.4	1019.7	967.6	893.1
100°	1210.2	1209.4	1208.0	*1205.0*	1202.0	1178.2	1123.8	1050.9	995.1	946.0	879.0
102.5°	1177.4	1173.0	1168.5	*1167.8*	1161.1	1141.0	1088.9	1021.9	969.0	925.9	861.1
105°	1137.2	1135.8	1129.1	*1123.1*	1119.4	1097.1	1049.4	989.9	941.5	901.3	841.8
107.5°	1096.3	1093.3	1083.7	*1081.4*	1074.0	1053.9	1010.7	957.9	914.0	876.8	818.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1052.4	1050.9	1040.5	*1033.8*	1027.8	1005.5	968.3	923.6	883.5	849.2	792.6
112.5°	1003.3	1001.8	990.6	*985.4*	976.5	959.4	924.4	884.2	850.0	818.7	764.4
115°	953.4	952.7	940.0	*933.3*	925.1	904.3	876.0	844.7	814.2	783.0	730.1
117.5°	903.5	899.8	887.2	*879.0*	870.8	852.2	829.1	804.6	776.3	747.2	695.1
120°	847.0	846.2	832.1	*825.4*	818.0	800.8	780.7	757.7	735.3	706.3	660.2
122.5°	792.6	791.9	779.3	*771.1*	761.4	748.0	731.6	713.8	693.7	665.4	620.0
125°	737.6	736.1	722.7	*714.5*	706.3	695.1	679.5	666.9	650.5	623.7	580.5
127.5°	681.8	678.8	670.6	*662.4*	653.5	639.3	634.1	623.0	605.1	579.0	541.1
130°	629.7	628.2	617.0	*609.6*	600.6	589.5	585.0	576.1	563.4	539.6	503.9
132.5°	575.3	573.8	567.1	*559.7*	552.2	541.1	538.9	530.7	518.0	498.7	465.2
135°	526.9	525.5	518.0	*509.8*	506.1	497.9	494.9	488.2	476.3	457.0	428.0
137.5°	480.1	479.3	471.9	*465.2*	460.7	454.7	451.8	445.8	436.9	419.8	393.0
140°	437.6	433.9	428.0	*422.0*	417.5	411.6	410.1	404.9	398.2	381.8	362.5
142.5°	395.2	393.0	388.5	*383.3*	380.3	373.6	369.9	367.7	358.7	346.1	330.5
145°	353.5	353.5	349.8	*346.1*	341.6	337.2	334.2	331.9	324.5	313.3	298.5
147.5°	318.5	318.5	315.6	*314.1*	310.4	304.4	302.2	299.9	293.2	284.3	272.4
150°	288.8	287.3	285.1	*282.8*	279.8	274.6	270.9	268.7	263.5	256.8	245.6
152.5°	259.0	259.0	257.5	*254.5*	252.3	248.6	245.6	242.6	238.9	231.5	222.5
155°	233.7	233.7	231.5	*230.0*	228.5	225.5	222.5	219.6	215.1	209.1	202.4
157.5°	212.9	212.9	211.4	*210.6*	207.7	206.2	203.2	200.2	195.7	190.5	184.6
160°	193.5	194.3	193.5	*192.8*	190.5	188.3	185.3	182.3	178.6	174.2	169.7
162.5°	177.9	178.6	177.1	*176.4*	174.9	172.7	169.7	168.2	165.2	160.0	155.6
165°	164.5	164.5	163.7	*163.0*	162.3	159.3	157.8	156.3	153.3	149.6	145.9
167.5°	154.1	154.1	153.3	*153.3*	151.8	150.3	148.1	146.6	143.6	141.4	136.9
170°	145.1	145.1	144.4	*143.6*	142.9	141.4	139.9	137.7	136.2	133.2	131.0
172.5°	137.7	137.7	136.9	*136.2*	136.2	134.0	133.2	131.7	130.2	128.0	125.8
175°	131.7	131.0	131.0	*130.2*	129.5	128.0	127.3	126.5	125.0	124.3	122.8
177.5°	126.5	126.5	125.8	*125.8*	125.0	123.5	123.5	122.8	122.1	121.3	120.6
180°	119.8	119.8	119.8	*119.8*	119.8	119.8	119.8	119.8	119.8	119.8	119.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	81.1	78.9	72.9	67.7	64.0	58.8	54.3	52.8	52.1	51.4	51.4
5°	89.3	84.8	74.4	64.8	55.8	48.4	41.7	35.0	29.8	26.8	25.3
7.5°	112.4	107.2	93.0	80.4	67.7	56.6	45.4	37.2	29.8	25.3	25.3
10°	142.9	135.5	117.6	99.7	84.1	67.7	54.3	43.2	36.5	32.7	32.7
12.5°	174.9	165.2	144.4	121.3	99.7	81.1	64.8	52.8	45.4	42.4	42.4
15°	212.9	200.2	173.4	144.4	118.3	96.0	77.4	64.0	55.1	51.4	50.6
17.5°	249.3	233.0	201.0	168.2	136.9	110.2	88.6	71.5	61.8	56.6	55.8
20°	288.0	267.9	230.0	189.8	154.1	121.3	95.3	76.7	64.0	58.1	57.3
22.5°	323.8	302.2	256.8	209.9	167.5	129.5	99.0	77.4	63.3	56.6	55.8
25°	364.7	340.1	286.5	231.5	181.6	136.2	102.0	77.4	62.5	55.1	54.3
27.5°	406.4	377.3	317.1	253.1	194.3	143.6	104.2	77.4	61.0	53.6	52.8
30°	450.3	418.3	346.1	275.4	207.7	149.6	106.4	76.7	60.3	52.1	51.4
32.5°	494.9	457.7	378.1	297.0	221.0	155.6	107.9	76.7	58.8	51.4	49.9
35°	540.3	497.2	410.1	319.3	233.0	160.8	108.7	75.9	58.1	49.9	49.1
37.5°	580.5	535.9	439.9	339.4	244.1	164.5	109.4	75.2	57.3	49.1	48.4
40°	621.5	573.1	468.1	357.3	252.3	166.7	108.7	74.4	55.8	48.4	47.6
42.5°	658.7	606.6	494.2	374.4	259.8	168.9	107.9	72.9	55.1	47.6	46.9
45°	694.4	639.3	518.8	389.3	266.4	169.7	106.4	72.2	54.3	47.6	46.9
47.5°	727.2	667.6	542.6	403.4	272.4	169.7	105.7	70.7	54.3	47.6	46.9
50°	754.7	695.9	561.9	416.0	276.1	168.9	104.2	70.0	54.3	47.6	46.9
52.5°	781.5	719.0	581.3	425.7	278.4	167.5	102.0	69.2	54.3	48.4	47.6
55°	803.1	739.8	597.6	436.1	280.6	166.0	100.5	68.5	54.3	48.4	48.4
57.5°	821.7	756.9	610.3	442.8	280.6	163.0	99.0	68.5	55.1	49.9	49.1
60°	839.5	772.6	623.7	448.8	280.6	160.8	97.5	68.5	55.8	50.6	49.9
62.5°	851.4	785.2	634.1	454.0	279.1	158.5	96.0	68.5	56.6	52.1	51.4
65°	863.4	797.1	643.8	458.5	278.4	156.3	96.0	69.2	58.1	54.3	53.6
67.5°	872.3	806.8	650.5	461.4	276.9	154.1	95.3	70.7	60.3	56.6	55.8
70°	879.7	814.2	658.7	463.7	275.4	152.6	96.0	72.9	62.5	58.8	58.8
72.5°	885.7	820.9	663.1	465.9	273.9	151.8	97.5	75.2	66.2	62.5	61.8
75°	*889.4*	*824.7*	*667.6*	*466.7*	*272.4*	*151.1*	*99.0*	*78.1*	*69.2*	*66.2*	*65.5*
76°	890.1	826.1	669.1	467.4	271.7	151.1	99.7	78.9	70.7	67.7	67.0
77.5°	892.4	828.4	670.6	467.4	270.9	151.1	101.2	81.1	72.9	70.0	70.0
80°	893.9	829.9	672.8	468.1	269.4	151.1	103.5	84.8	77.4	74.4	73.7
82.5°	893.1	830.6	673.6	466.7	268.7	151.8	106.4	88.6	81.9	78.9	78.1
85°	890.1	828.4	672.1	464.4	266.4	153.3	109.4	93.0	85.6	82.6	82.6
87.5°	884.9	823.2	668.4	461.4	265.0	154.1	112.4	96.8	90.1	87.1	87.1
90°	877.5	817.2	663.9	458.5	262.7	154.8	116.1	100.5	94.5	92.3	91.5
92.5°	868.6	809.8	657.9	454.0	261.2	156.3	119.1	104.9	99.0	96.0	96.0
95°	859.6	801.6	651.2	448.8	259.8	158.5	122.1	108.7	102.7	100.5	100.5
97.5°	847.0	790.4	642.3	442.8	257.5	159.3	125.8	112.4	107.2	104.2	104.2
100°	831.4	777.8	631.9	436.9	256.0	161.5	128.8	116.1	110.9	108.7	107.9
102.5°	815.7	762.9	620.7	430.2	253.8	162.3	131.7	119.8	113.9	111.6	111.6
105°	797.9	746.5	606.6	421.3	251.6	163.7	134.0	122.1	116.9	114.6	113.9
107.5°	777.0	725.7	592.4	413.1	249.3	165.2	136.2	124.3	119.1	116.9	116.1

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

Scaled Data Report

REPORT NUMBER: P1045952
CATALOG NUMBER: FFX-CLB-60-750-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	753.2	706.3	575.3	404.1	247.8	167.5	138.4	125.8	120.6	117.6	117.6
112.5°	725.7	678.8	556.7	393.7	247.8	170.4	139.9	127.3	121.3	118.3	118.3
115°	692.9	649.7	534.4	384.0	247.1	173.4	142.9	128.0	121.3	119.1	118.3
117.5°	660.9	619.2	512.1	374.4	249.3	178.6	145.9	129.5	121.3	118.3	118.3
120°	625.2	587.2	489.0	364.7	252.3	183.8	149.6	130.2	121.3	117.6	117.6
122.5°	588.0	553.0	466.7	355.8	254.5	189.8	152.6	131.7	120.6	116.9	116.1
125°	553.0	518.0	441.4	346.8	256.8	195.0	156.3	132.5	119.8	115.4	114.6
127.5°	514.3	487.5	419.0	337.2	258.3	199.5	159.3	133.2	119.1	113.9	113.1
130°	480.8	454.7	396.7	326.7	256.8	201.0	160.0	132.5	117.6	112.4	112.4
132.5°	443.6	422.7	372.1	313.3	253.1	201.0	160.8	132.5	116.9	111.6	110.9
135°	410.8	391.5	349.1	298.5	246.4	198.0	159.3	131.7	116.1	110.9	110.2
137.5°	380.3	361.7	324.5	282.8	236.7	192.8	156.3	130.2	115.4	110.2	109.4
140°	347.6	334.2	302.2	265.7	226.3	186.8	152.6	128.8	115.4	110.2	109.4
142.5°	317.8	306.6	277.6	247.1	212.9	177.9	148.1	126.5	114.6	110.2	109.4
145°	291.0	278.4	256.0	228.5	199.5	169.7	143.6	125.0	113.9	110.2	109.4
147.5°	265.0	253.8	235.2	211.4	187.6	161.5	139.2	122.8	113.9	110.2	109.4
150°	238.9	231.5	215.1	195.7	174.2	153.3	134.7	121.3	113.9	110.9	110.2
152.5°	216.6	211.4	197.2	181.6	163.0	145.1	130.2	119.8	113.9	110.9	110.9
155°	198.0	192.8	180.9	166.7	153.3	138.4	127.3	118.3	113.9	111.6	110.9
157.5°	179.4	175.6	166.0	155.6	144.4	133.2	124.3	117.6	113.9	111.6	111.6
160°	165.2	161.5	154.1	145.9	136.9	128.8	121.3	116.1	113.9	112.4	112.4
162.5°	153.3	150.3	144.4	137.7	131.0	124.3	119.1	115.4	113.9	112.4	112.4
165°	143.6	141.4	136.2	131.0	126.5	121.3	117.6	115.4	113.9	113.1	113.1
167.5°	135.5	134.0	130.2	126.5	122.8	119.1	116.1	114.6	113.9	113.9	113.9
170°	129.5	128.0	125.8	122.8	119.8	117.6	115.4	114.6	114.6	113.9	114.6
172.5°	125.0	124.3	122.1	119.8	118.3	116.1	115.4	114.6	115.4	115.4	115.4
175°	122.1	121.3	119.8	118.3	117.6	116.1	116.1	115.4	116.1	116.9	116.9
177.5°	119.8	119.1	118.3	118.3	117.6	116.9	116.9	117.6	118.3	118.3	118.3
180°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

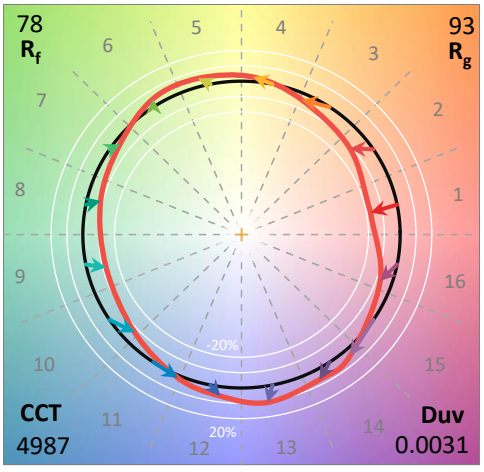
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

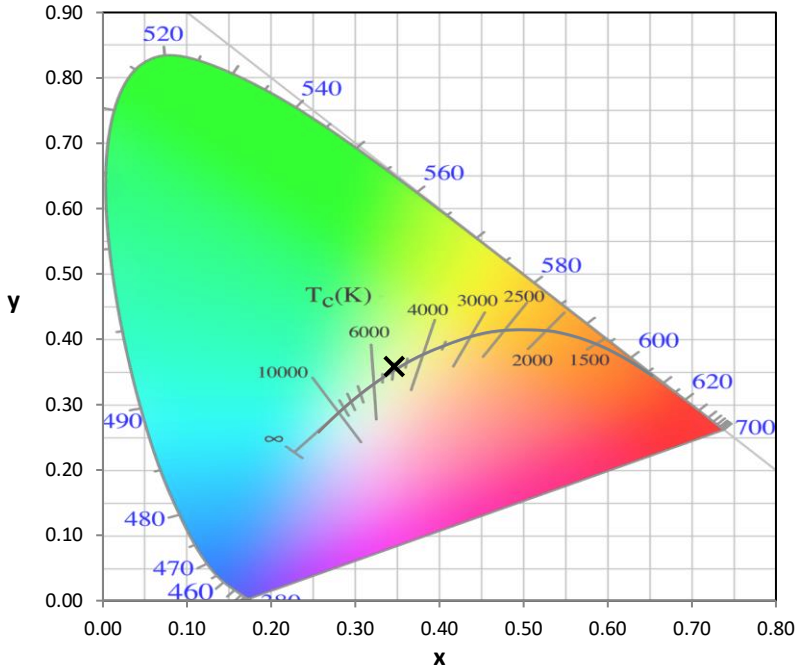
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

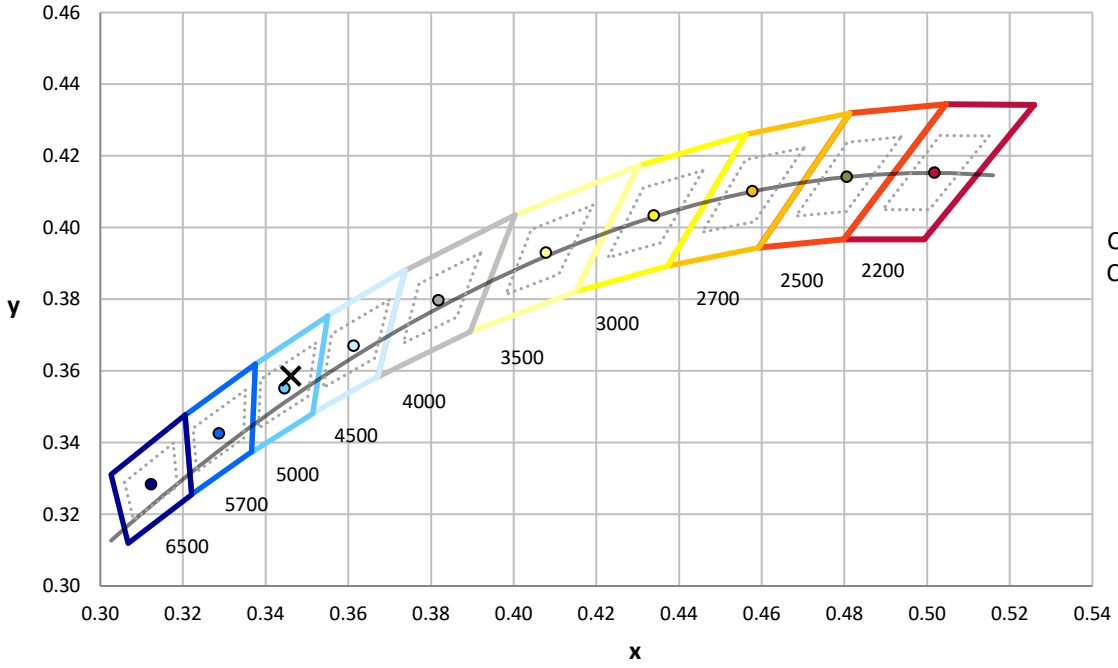
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

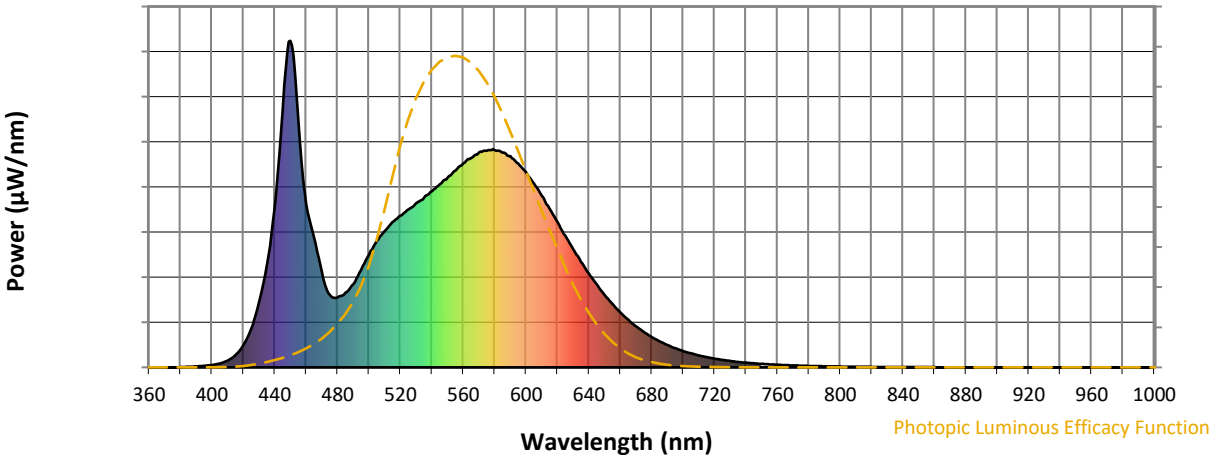


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

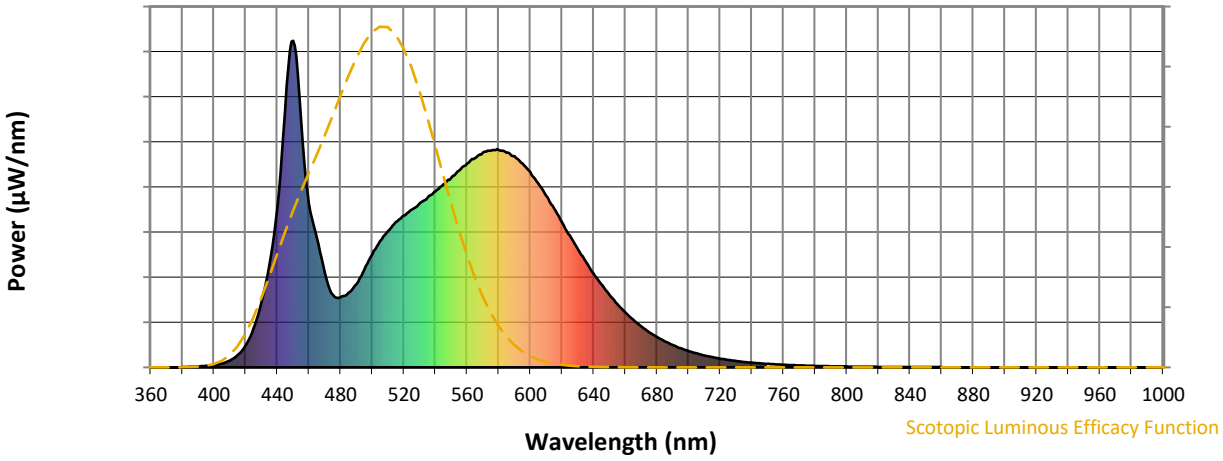


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

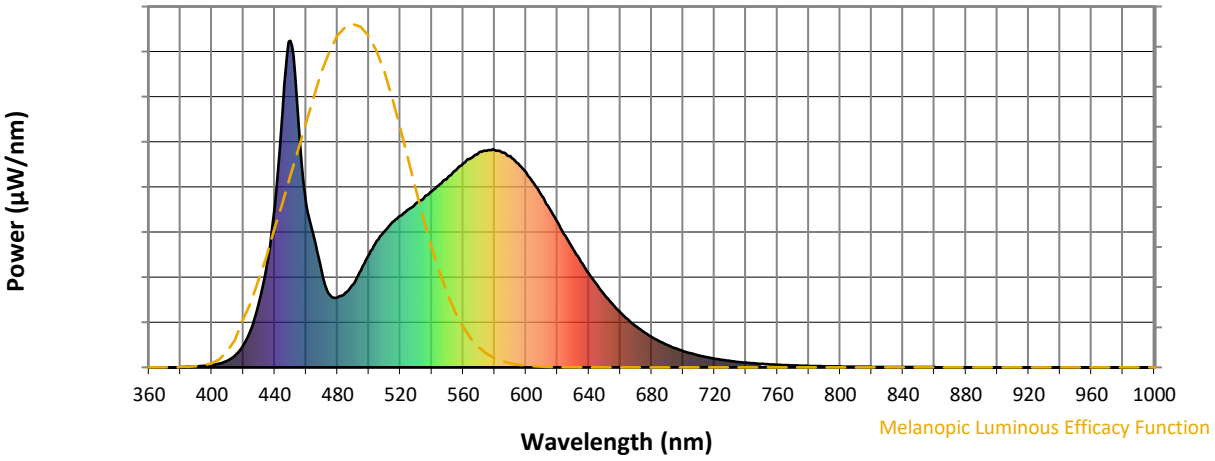


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

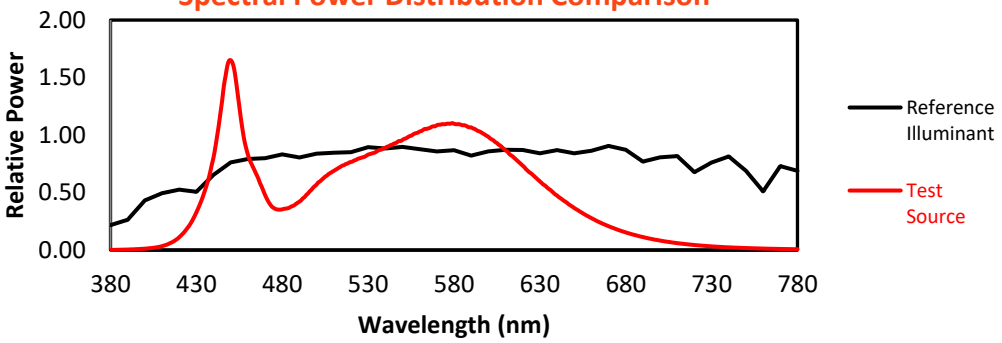
REPORT NUMBER: SP1-2501-332-5

TM-30-18

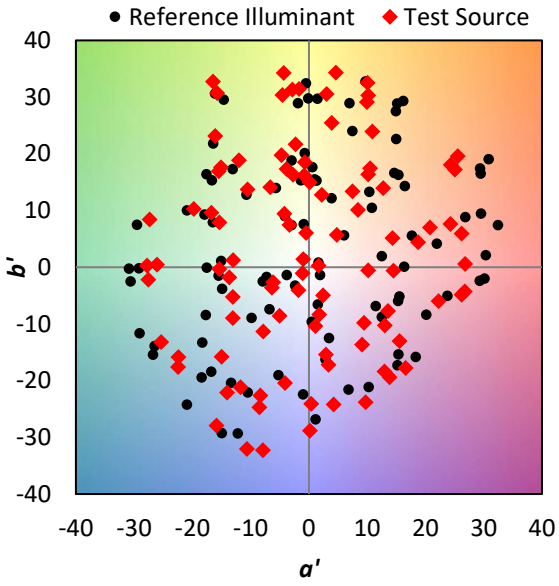
Summary

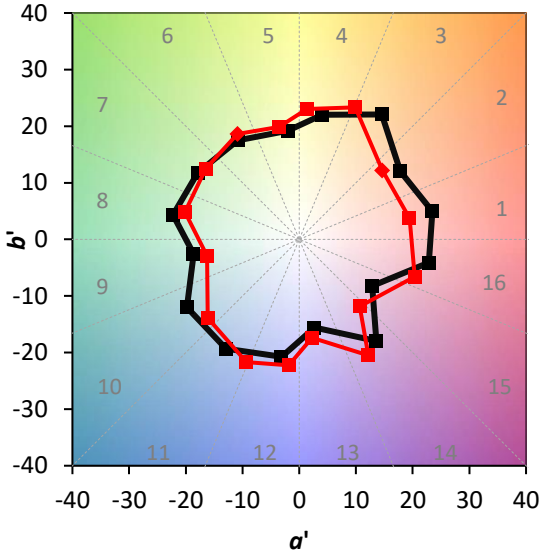
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

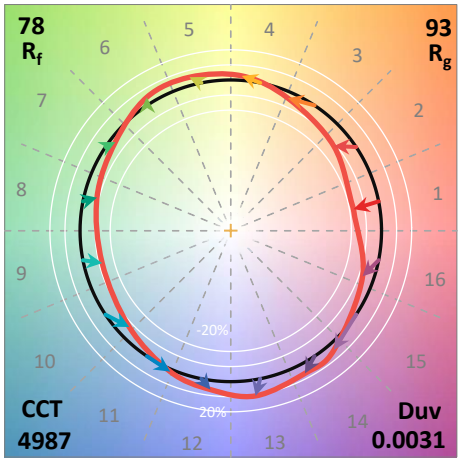
Spectral Power Distribution Comparison

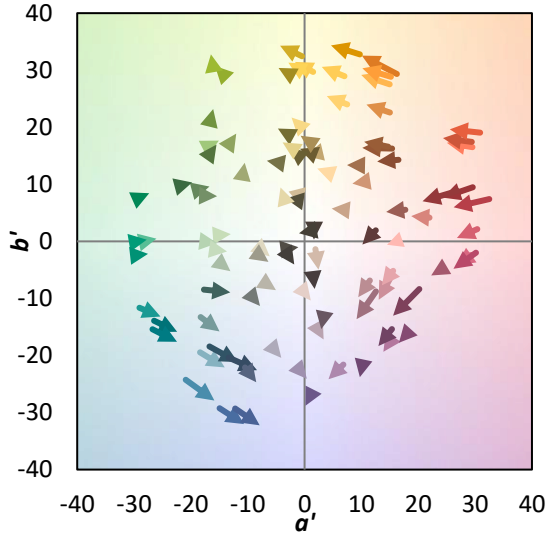


Color Vector Graphics







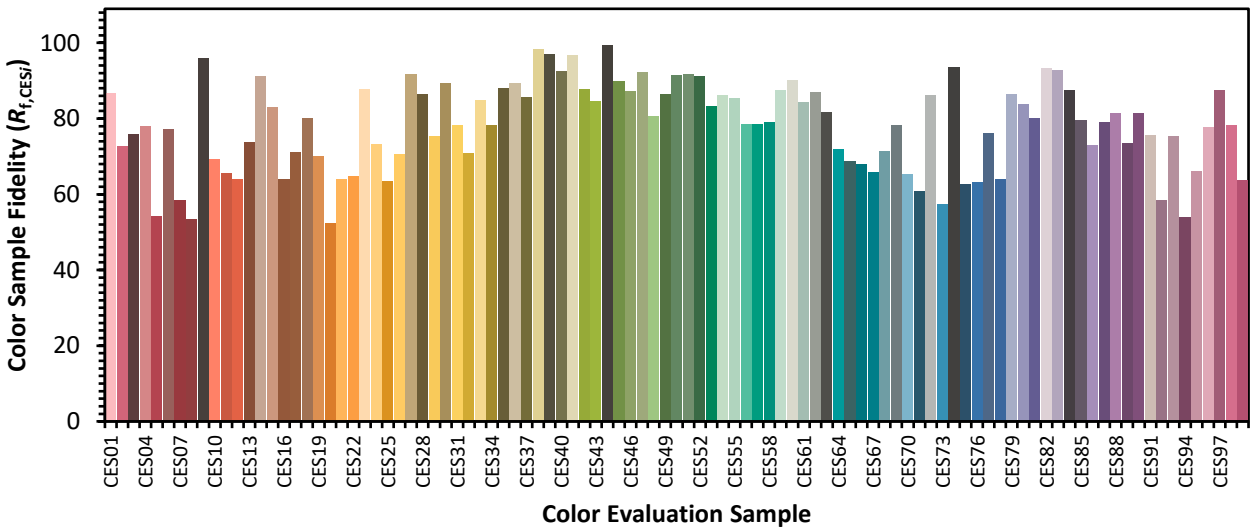


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

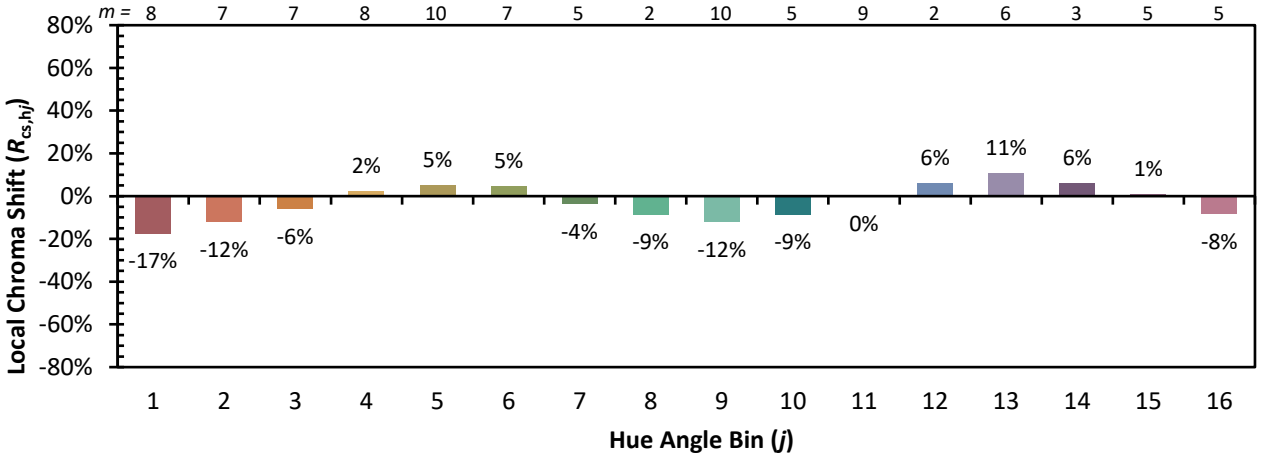
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
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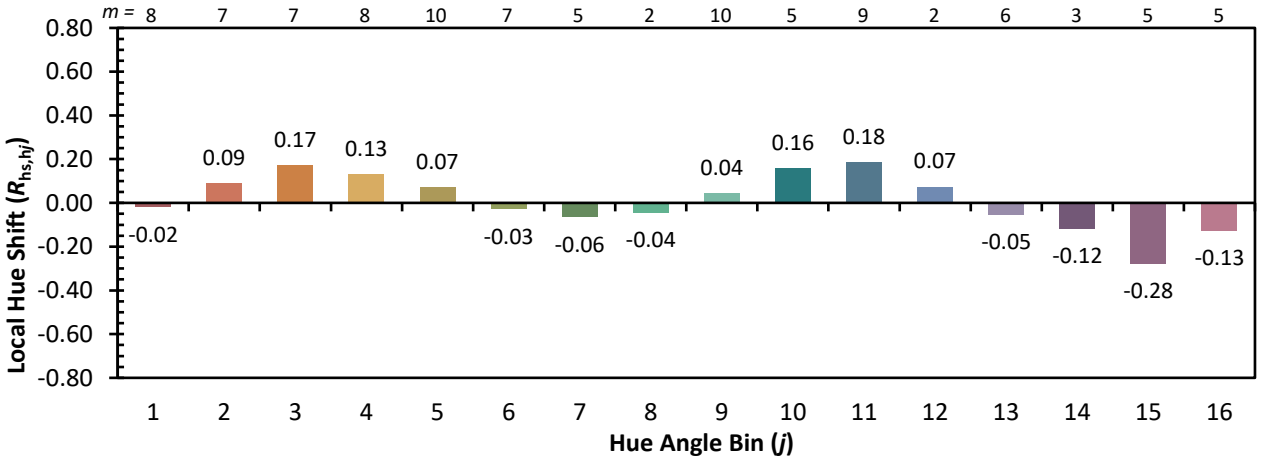


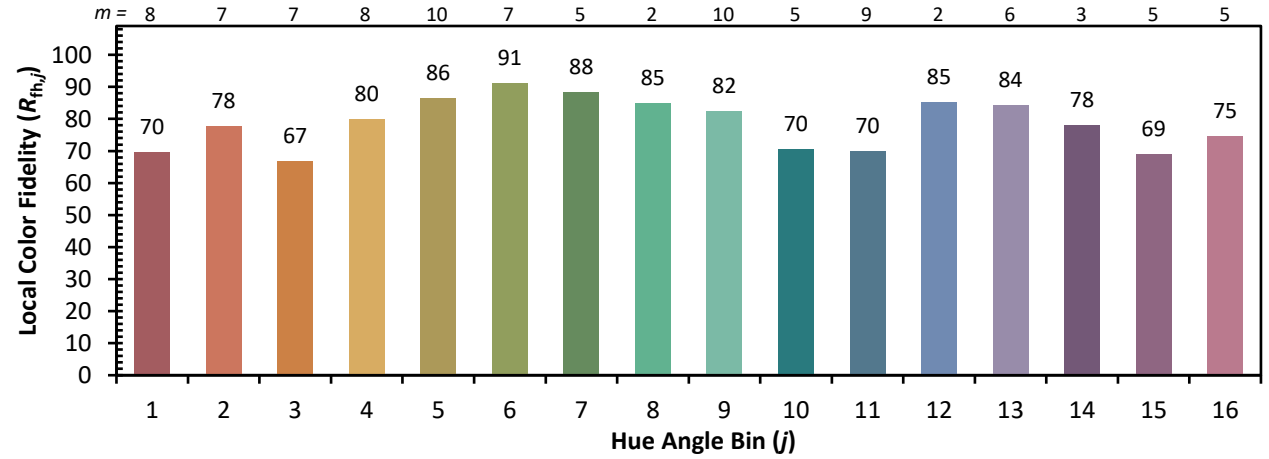
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Color Rendition by Hue-Angle Bin



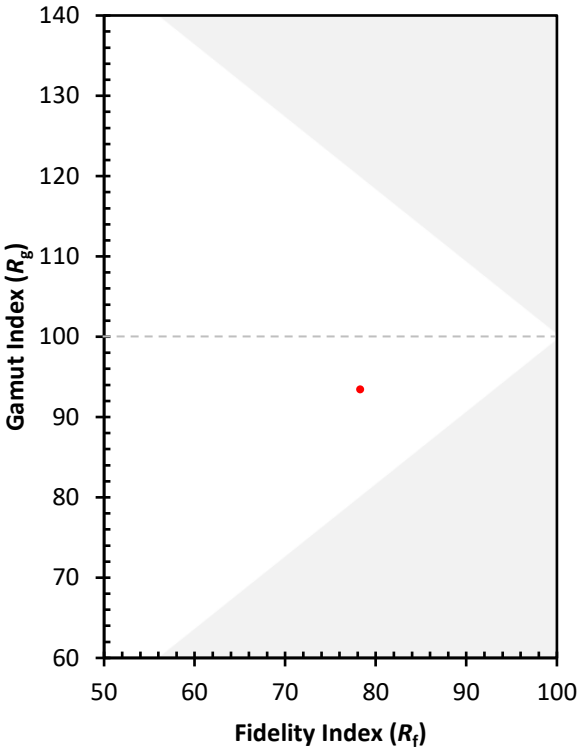


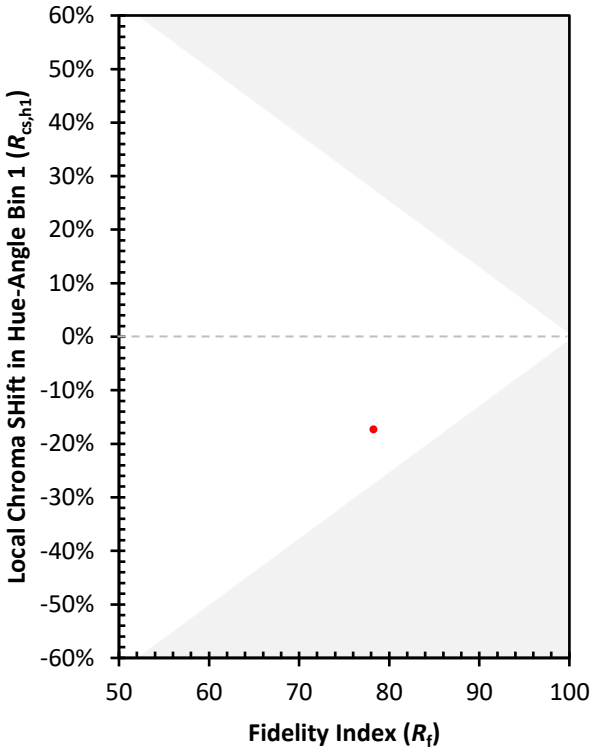


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Measure Comparisons





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