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: P1045934

Luminaire Tested: **FFX-CLB-60-730-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:	P1045934
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-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:	6729.1 lumens
Efficiency:	N/A
Efficacy:	111.0 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

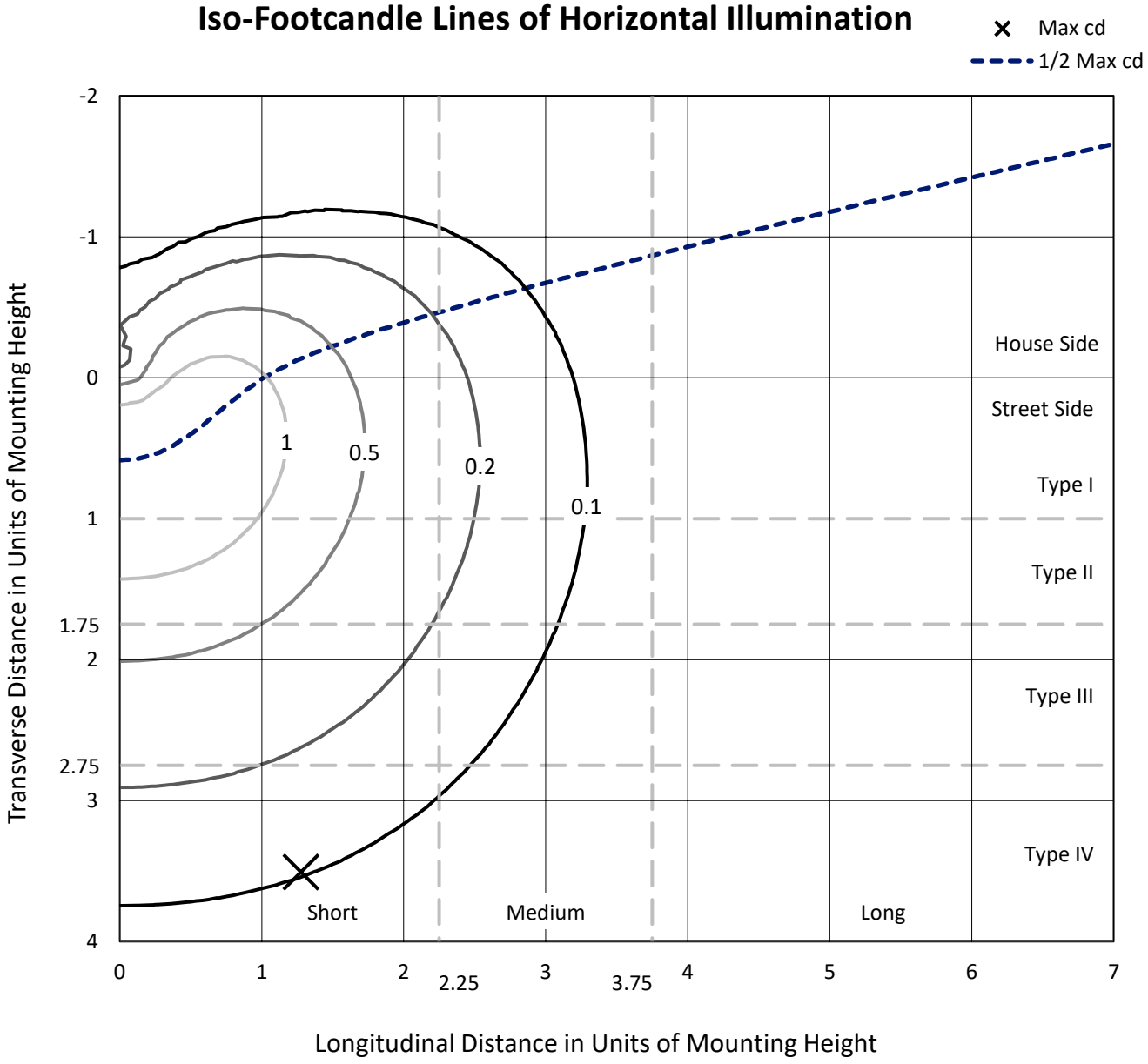


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Iso-Footcandle Lines of Horizontal Illumination



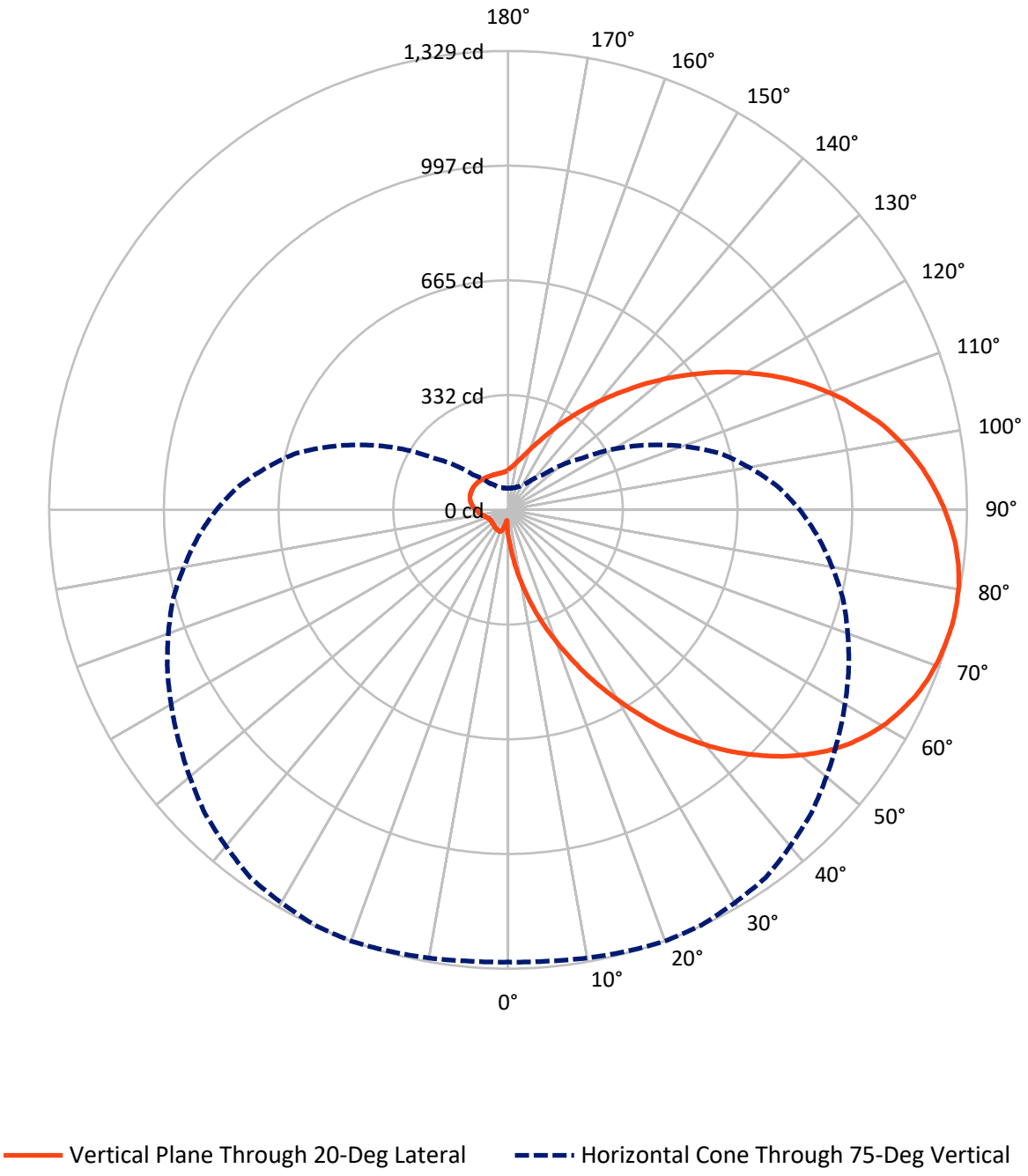
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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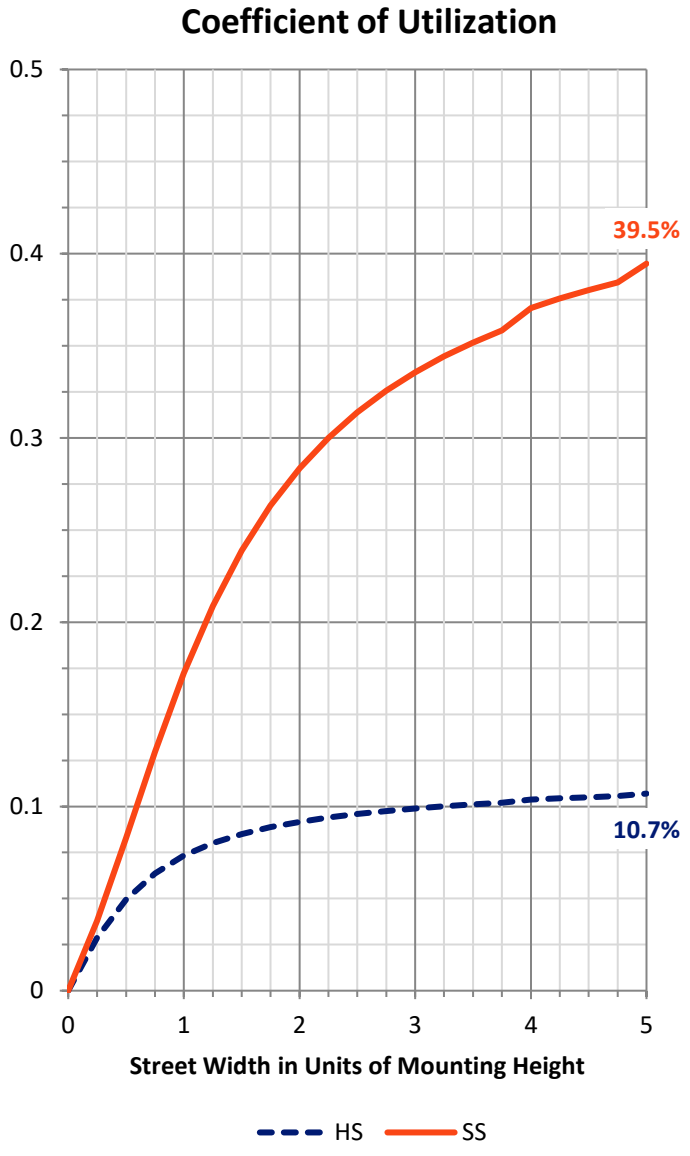
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	778.0	740.1	1518.1
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3054.9	2156.2	5211.0
	% Fixture	45.4	32.0	77.4
Total	Lumens	3832.8	2896.3	6729.1
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	56.1	0.8
20°-30°	148.7	2.2
30°-40°	287.2	4.3
40°-50°	449.8	6.7
50°-60°	601.5	8.9
60°-70°	712.8	10.6
70°-80°	776.6	11.5
80°-90°	790.5	11.7
90°-100°	749.7	11.1
100°-110°	662.9	9.9
110°-120°	538.3	8.0
120°-130°	396.2	5.9
130°-140°	262.7	3.9
140°-150°	154.8	2.3
150°-160°	81.9	1.2
160°-170°	38.6	0.6
170°-180°	11.3	0.2
0°-90°	3832.8	57.0
0°-180°	6729.1	100.0



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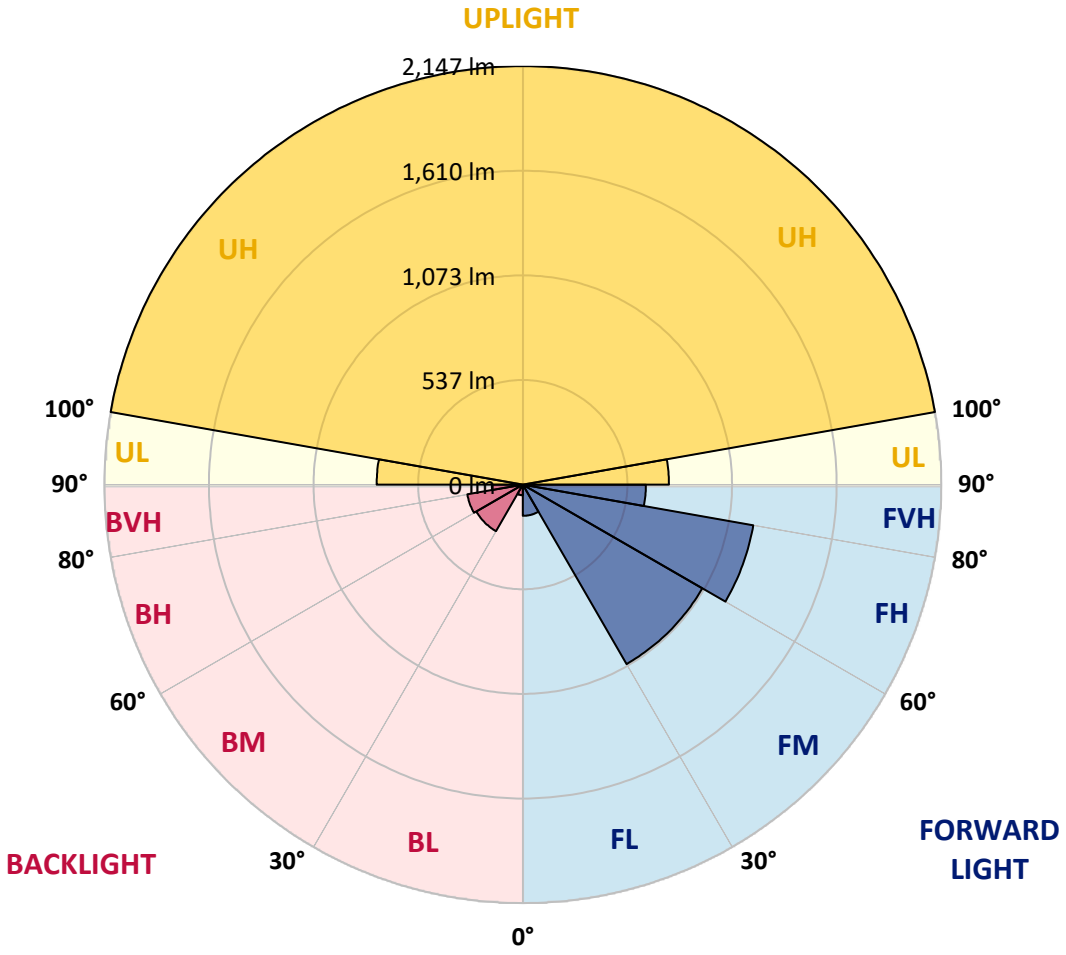
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	160.1	2.4			
FM	(30°-60°)	1063.2	15.8			
FH	(60°-80°)	1200.4	17.8			G1/1800
FVH	(80°-90°)	631.2	9.4			G4/750
BL	(0°-30°)	54.3	0.8	B0/110		
BM	(30°-60°)	275.4	4.1	B1/1000		
BH	(60°-80°)	288.9	4.3	B1/500		G1/500
BVH	(80°-90°)	159.3	2.4			G2/225
UL	(90°-100°)	749.7	11.1		U4/1000	
UH	(100°-180°)	2146.6	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°	77.1	77.1	77.1	*77.1*	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	94.0	94.0	94.7	*94.7*	95.5	94.0	91.9	90.5	88.4	83.4	79.2
5°	130.8	131.5	130.1	*130.8*	131.5	128.0	123.0	116.7	107.5	99.0	89.8
7.5°	175.4	177.5	173.9	*173.2*	171.1	165.5	158.4	148.5	138.6	127.3	113.8
10°	224.1	223.4	219.2	*214.2*	212.8	205.8	196.6	187.4	172.5	158.4	144.2
12.5°	270.1	269.4	265.9	*262.3*	260.2	251.0	239.7	229.1	213.5	195.1	177.5
15°	318.2	318.9	315.3	*313.2*	309.0	299.8	290.6	275.0	259.5	238.3	217.1
17.5°	366.3	367.7	364.1	*362.7*	359.2	351.4	339.4	323.1	303.3	278.6	251.7
20°	419.3	420.7	418.6	*413.6*	409.4	400.9	390.3	369.8	347.9	322.4	287.8
22.5°	475.8	476.6	470.2	*468.8*	464.5	456.8	441.2	422.8	398.1	365.5	329.5
25°	531.7	531.7	530.3	*528.9*	522.5	513.3	497.8	475.1	447.6	412.9	370.5
27.5°	591.8	592.5	589.0	*587.6*	582.6	570.6	554.3	529.6	501.3	459.6	411.5
30°	655.4	654.7	651.2	*648.4*	646.3	634.2	615.8	590.4	555.0	507.0	458.2
32.5°	719.1	717.0	714.8	*712.0*	711.3	695.7	680.9	649.8	613.0	562.1	503.4
35°	784.1	779.2	777.8	*778.5*	774.9	762.2	740.3	709.9	667.5	614.4	548.0
37.5°	840.7	844.9	841.4	*838.6*	839.3	825.1	801.8	767.9	723.3	664.6	593.2
40°	903.6	900.8	900.8	*900.8*	898.7	885.9	861.2	823.7	772.8	710.6	632.8
42.5°	958.1	958.1	961.6	*959.5*	957.4	942.5	915.6	873.9	820.2	753.0	671.0
45°	1013.9	1012.5	1016.7	*1013.9*	1012.5	997.0	968.7	925.5	869.0	795.4	709.2
47.5°	1065.5	1066.2	1067.7	*1067.7*	1066.2	1048.6	1018.9	968.0	910.7	832.2	741.7
50°	1110.1	1113.6	1117.9	*1115.0*	1116.4	1097.4	1064.1	1012.5	946.0	866.9	770.7
52.5°	1153.9	1153.9	1159.6	*1159.6*	1158.2	1139.8	1102.3	1047.9	982.1	898.0	797.6
55°	1191.4	1192.1	1197.0	*1197.8*	1197.0	1175.8	1136.2	1077.6	1009.0	924.1	819.5
57.5°	1219.7	1221.8	1228.2	*1230.3*	1227.5	1208.4	1163.8	1104.4	1031.6	944.6	838.6
60°	1245.1	1248.0	1255.0	*1257.9*	1255.7	1235.2	1188.6	1124.9	1050.0	962.3	854.8
62.5°	1267.8	1268.5	1277.7	*1279.1*	1278.4	1256.4	1206.9	1140.5	1064.8	975.7	869.0
65°	1284.0	1286.1	1296.0	*1298.2*	1296.7	1273.4	1221.8	1153.2	1076.8	987.1	879.6
67.5°	1296.7	1298.2	1308.1	*1311.6*	1310.2	1285.4	1232.4	1161.0	1083.9	994.8	888.1
70°	1303.8	1305.9	1317.2	*1320.1*	1318.7	1293.9	1238.8	1164.5	1088.2	1000.5	893.7
72.5°	1308.1	1310.2	1322.2	*1325.7*	1325.0	1298.9	1241.6	1165.9	1089.6	1003.3	898.0
75°	*1310.2*	*1312.3*	*1324.3*	*1329.3*	*1327.1*	*1301.0*	*1242.3*	*1165.2*	*1088.9*	*1005.4*	*901.5*
76°	1310.2	1311.6	1324.3	*1329.3*	1327.1	1301.0	1242.3	1163.8	1088.2	1006.1	902.9
77.5°	1308.8	1310.9	1323.6	*1327.9*	1326.4	1300.3	1240.2	1161.0	1086.0	1004.7	903.6
80°	1305.2	1307.3	1319.4	*1324.3*	1322.2	1295.3	1235.2	1155.3	1080.4	1001.9	903.6
82.5°	1297.5	1299.6	1310.9	*1314.4*	1313.7	1286.8	1226.0	1145.4	1071.9	997.0	902.2
85°	1285.4	1287.6	1296.7	*1301.0*	1298.9	1273.4	1212.6	1132.0	1061.3	989.2	898.0
87.5°	1269.2	1270.6	1280.5	*1281.9*	1281.2	1255.7	1195.6	1115.0	1047.2	978.6	890.9
90°	1249.4	1250.8	1258.6	*1260.7*	1258.6	1234.5	1173.7	1096.6	1029.5	965.8	882.4
92.5°	1228.9	1228.2	1233.8	*1235.9*	1233.8	1209.8	1151.1	1074.7	1011.1	951.7	871.8
95°	1204.8	1206.2	1207.7	*1209.1*	1206.2	1182.9	1125.6	1050.7	991.3	936.1	861.9
97.5°	1178.0	1177.3	1178.7	*1178.7*	1175.8	1152.5	1096.6	1027.4	968.7	919.2	848.5
100°	1149.7	1149.0	1147.6	*1144.7*	1141.9	1119.3	1067.7	998.4	945.3	898.7	835.0
102.5°	1118.6	1114.3	1110.1	*1109.4*	1103.0	1083.9	1034.4	970.8	920.6	879.6	818.1
105°	1080.4	1079.0	1072.6	*1067.0*	1063.4	1042.2	997.0	940.4	894.4	856.2	799.7
107.5°	1041.5	1038.7	1029.5	*1027.4*	1020.3	1001.2	960.2	910.0	868.3	832.9	777.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	999.8	998.4	988.5	*982.1*	976.4	955.2	919.9	877.5	839.3	806.8	753.0
112.5°	953.1	951.7	941.1	*936.1*	927.7	911.4	878.2	840.0	807.5	777.8	726.1
115°	905.7	905.0	893.0	*886.7*	878.9	859.1	832.2	802.5	773.5	743.8	693.6
117.5°	858.4	854.8	842.8	*835.0*	827.3	809.6	787.7	764.3	737.5	709.9	660.4
120°	804.6	803.9	790.5	*784.1*	777.1	760.8	741.7	719.8	698.6	671.0	627.2
122.5°	753.0	752.3	740.3	*732.5*	723.3	710.6	695.0	678.1	659.0	632.1	589.0
125°	700.7	699.3	686.6	*678.8*	671.0	660.4	645.5	633.5	618.0	592.5	551.5
127.5°	647.7	644.8	637.1	*629.3*	620.8	607.4	602.4	591.8	574.8	550.1	514.0
130°	598.2	596.8	586.2	*579.1*	570.6	560.0	555.7	547.3	535.2	512.6	478.7
132.5°	546.6	545.1	538.8	*531.7*	524.6	514.0	511.9	504.1	492.1	473.7	441.9
135°	500.6	499.2	492.1	*484.3*	480.8	473.0	470.2	463.8	452.5	434.1	406.6
137.5°	456.1	455.3	448.3	*441.9*	437.7	432.0	429.2	423.5	415.0	398.8	373.3
140°	415.8	412.2	406.6	*400.9*	396.7	391.0	389.6	384.6	378.3	362.7	344.3
142.5°	375.4	373.3	369.1	*364.1*	361.3	354.9	351.4	349.3	340.8	328.8	313.9
145°	335.9	335.9	332.3	*328.8*	324.5	320.3	317.5	315.3	308.3	297.7	283.5
147.5°	302.6	302.6	299.8	*298.4*	294.8	289.2	287.1	284.9	278.6	270.1	258.8
150°	274.3	272.9	270.8	*268.7*	265.9	260.9	257.4	255.2	250.3	243.9	233.3
152.5°	246.1	246.1	244.6	*241.8*	239.7	236.2	233.3	230.5	227.0	219.9	211.4
155°	222.0	222.0	219.9	*218.5*	217.1	214.2	211.4	208.6	204.3	198.7	192.3
157.5°	202.2	202.2	200.8	*200.1*	197.3	195.9	193.0	190.2	186.0	181.0	175.4
160°	183.8	184.5	183.8	*183.1*	181.0	178.9	176.1	173.2	169.7	165.5	161.2
162.5°	169.0	169.7	168.3	*167.6*	166.2	164.0	161.2	159.8	157.0	152.0	147.8
165°	156.3	156.3	155.6	*154.8*	154.1	151.3	149.9	148.5	145.7	142.1	138.6
167.5°	146.4	146.4	145.7	*145.7*	144.2	142.8	140.7	139.3	136.5	134.3	130.1
170°	137.9	137.9	137.2	*136.5*	135.8	134.3	132.9	130.8	129.4	126.6	124.4
172.5°	130.8	130.8	130.1	*129.4*	129.4	127.3	126.6	125.1	123.7	121.6	119.5
175°	125.1	124.4	124.4	*123.7*	123.0	121.6	120.9	120.2	118.8	118.1	116.7
177.5°	120.2	120.2	119.5	*119.5*	118.8	117.4	117.4	116.7	116.0	115.3	114.5
180°	113.8	113.8	113.8	*113.8*	113.8	113.8	113.8	113.8	113.8	113.8	113.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	77.1	74.9	69.3	64.3	60.8	55.9	51.6	50.2	49.5	48.8	48.8
5°	84.8	80.6	70.7	61.5	53.0	46.0	39.6	33.2	28.3	25.5	24.0
7.5°	106.8	101.8	88.4	76.4	64.3	53.7	43.1	35.4	28.3	24.0	24.0
10°	135.8	128.7	111.7	94.7	79.9	64.3	51.6	41.0	34.6	31.1	31.1
12.5°	166.2	157.0	137.2	115.3	94.7	77.1	61.5	50.2	43.1	40.3	40.3
15°	202.2	190.2	164.7	137.2	112.4	91.2	73.5	60.8	52.3	48.8	48.1
17.5°	236.9	221.3	190.9	159.8	130.1	104.6	84.1	67.9	58.7	53.7	53.0
20°	273.6	254.5	218.5	180.3	146.4	115.3	90.5	72.8	60.8	55.2	54.4
22.5°	307.6	287.1	243.9	199.4	159.1	123.0	94.0	73.5	60.1	53.7	53.0
25°	346.5	323.1	272.2	219.9	172.5	129.4	96.9	73.5	59.4	52.3	51.6
27.5°	386.1	358.5	301.2	240.4	184.5	136.5	99.0	73.5	58.0	50.9	50.2
30°	427.8	397.4	328.8	261.6	197.3	142.1	101.1	72.8	57.3	49.5	48.8
32.5°	470.2	434.8	359.2	282.1	210.0	147.8	102.5	72.8	55.9	48.8	47.4
35°	513.3	472.3	389.6	303.3	221.3	152.7	103.2	72.1	55.2	47.4	46.7
37.5°	551.5	509.1	417.9	322.4	231.9	156.3	103.9	71.4	54.4	46.7	46.0
40°	590.4	544.4	444.7	339.4	239.7	158.4	103.2	70.7	53.0	46.0	45.3
42.5°	625.7	576.3	469.5	355.7	246.8	160.5	102.5	69.3	52.3	45.3	44.5
45°	659.7	607.4	492.8	369.8	253.1	161.2	101.1	68.6	51.6	45.3	44.5
47.5°	690.8	634.2	515.4	383.2	258.8	161.2	100.4	67.2	51.6	45.3	44.5
50°	717.0	661.1	533.8	395.2	262.3	160.5	99.0	66.5	51.6	45.3	44.5
52.5°	742.4	683.0	552.2	404.4	264.4	159.1	96.9	65.8	51.6	46.0	45.3
55°	762.9	702.8	567.8	414.3	266.6	157.7	95.5	65.0	51.6	46.0	46.0
57.5°	780.6	719.1	579.8	420.7	266.6	154.8	94.0	65.0	52.3	47.4	46.7
60°	797.6	733.9	592.5	426.4	266.6	152.7	92.6	65.0	53.0	48.1	47.4
62.5°	808.9	745.9	602.4	431.3	265.1	150.6	91.2	65.0	53.7	49.5	48.8
65°	820.2	757.3	611.6	435.5	264.4	148.5	91.2	65.8	55.2	51.6	50.9
67.5°	828.7	766.5	618.0	438.4	263.0	146.4	90.5	67.2	57.3	53.7	53.0
70°	835.7	773.5	625.7	440.5	261.6	144.9	91.2	69.3	59.4	55.9	55.9
72.5°	841.4	779.9	630.0	442.6	260.2	144.2	92.6	71.4	62.9	59.4	58.7
75°	*844.9*	*783.4*	*634.2*	*443.3*	*258.8*	*143.5*	*94.0*	*74.2*	*65.8*	*62.9*	*62.2*
76°	845.6	784.8	635.6	444.0	258.1	143.5	94.7	74.9	67.2	64.3	63.6
77.5°	847.8	787.0	637.1	444.0	257.4	143.5	96.2	77.1	69.3	66.5	66.5
80°	849.2	788.4	639.2	444.7	256.0	143.5	98.3	80.6	73.5	70.7	70.0
82.5°	848.5	789.1	639.9	443.3	255.2	144.2	101.1	84.1	77.8	74.9	74.2
85°	845.6	787.0	638.5	441.2	253.1	145.7	103.9	88.4	81.3	78.5	78.5
87.5°	840.7	782.0	634.9	438.4	251.7	146.4	106.8	91.9	85.6	82.7	82.7
90°	833.6	776.3	630.7	435.5	249.6	147.1	110.3	95.5	89.8	87.7	87.0
92.5°	825.1	769.3	625.0	431.3	248.2	148.5	113.1	99.7	94.0	91.2	91.2
95°	816.7	761.5	618.7	426.4	246.8	150.6	116.0	103.2	97.6	95.5	95.5
97.5°	804.6	750.9	610.2	420.7	244.6	151.3	119.5	106.8	101.8	99.0	99.0
100°	789.8	738.9	600.3	415.0	243.2	153.4	122.3	110.3	105.4	103.2	102.5
102.5°	774.9	724.7	589.7	408.7	241.1	154.1	125.1	113.8	108.2	106.1	106.1
105°	758.0	709.2	576.3	400.2	239.0	155.6	127.3	116.0	111.0	108.9	108.2
107.5°	738.2	689.4	562.8	392.4	236.9	157.0	129.4	118.1	113.1	111.0	110.3

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

Scaled Data Report

REPORT NUMBER: P1045934
CATALOG NUMBER: FFX-CLB-60-730-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	715.5	671.0	546.6	383.9	235.5	159.1	131.5	119.5	114.5	111.7	111.7
112.5°	689.4	644.8	528.9	374.0	235.5	161.9	132.9	120.9	115.3	112.4	112.4
115°	658.3	617.3	507.7	364.8	234.7	164.7	135.8	121.6	115.3	113.1	112.4
117.5°	627.9	588.3	486.5	355.7	236.9	169.7	138.6	123.0	115.3	112.4	112.4
120°	593.9	557.9	464.5	346.5	239.7	174.6	142.1	123.7	115.3	111.7	111.7
122.5°	558.6	525.3	443.3	338.0	241.8	180.3	144.9	125.1	114.5	111.0	110.3
125°	525.3	492.1	419.3	329.5	243.9	185.2	148.5	125.9	113.8	109.6	108.9
127.5°	488.6	463.1	398.1	320.3	245.3	189.5	151.3	126.6	113.1	108.2	107.5
130°	456.8	432.0	376.9	310.4	243.9	190.9	152.0	125.9	111.7	106.8	106.8
132.5°	421.4	401.6	353.5	297.7	240.4	190.9	152.7	125.9	111.0	106.1	105.4
135°	390.3	371.9	331.6	283.5	234.0	188.1	151.3	125.1	110.3	105.4	104.6
137.5°	361.3	343.6	308.3	268.7	224.8	183.1	148.5	123.7	109.6	104.6	103.9
140°	330.2	317.5	287.1	252.4	214.9	177.5	144.9	122.3	109.6	104.6	103.9
142.5°	301.9	291.3	263.7	234.7	202.2	169.0	140.7	120.2	108.9	104.6	103.9
145°	276.5	264.4	243.2	217.1	189.5	161.2	136.5	118.8	108.2	104.6	103.9
147.5°	251.7	241.1	223.4	200.8	178.2	153.4	132.2	116.7	108.2	104.6	103.9
150°	227.0	219.9	204.3	186.0	165.5	145.7	128.0	115.3	108.2	105.4	104.6
152.5°	205.8	200.8	187.4	172.5	154.8	137.9	123.7	113.8	108.2	105.4	105.4
155°	188.1	183.1	171.8	158.4	145.7	131.5	120.9	112.4	108.2	106.1	105.4
157.5°	170.4	166.9	157.7	147.8	137.2	126.6	118.1	111.7	108.2	106.1	106.1
160°	157.0	153.4	146.4	138.6	130.1	122.3	115.3	110.3	108.2	106.8	106.8
162.5°	145.7	142.8	137.2	130.8	124.4	118.1	113.1	109.6	108.2	106.8	106.8
165°	136.5	134.3	129.4	124.4	120.2	115.3	111.7	109.6	108.2	107.5	107.5
167.5°	128.7	127.3	123.7	120.2	116.7	113.1	110.3	108.9	108.2	108.2	108.2
170°	123.0	121.6	119.5	116.7	113.8	111.7	109.6	108.9	108.9	108.2	108.9
172.5°	118.8	118.1	116.0	113.8	112.4	110.3	109.6	108.9	109.6	109.6	109.6
175°	116.0	115.3	113.8	112.4	111.7	110.3	110.3	109.6	110.3	111.0	111.0
177.5°	113.8	113.1	112.4	112.4	111.7	111.0	111.0	111.7	112.4	112.4	112.4
180°	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8

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: SP1-2501-332-4

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

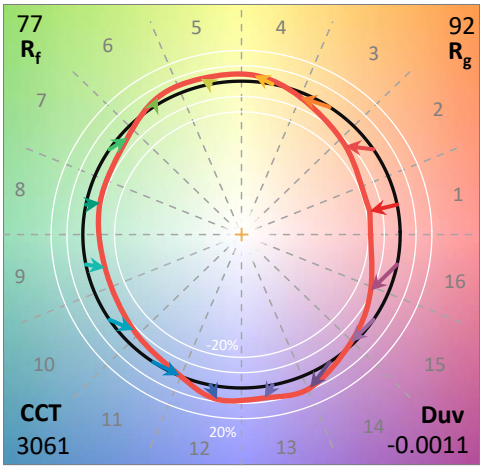
Test Information

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

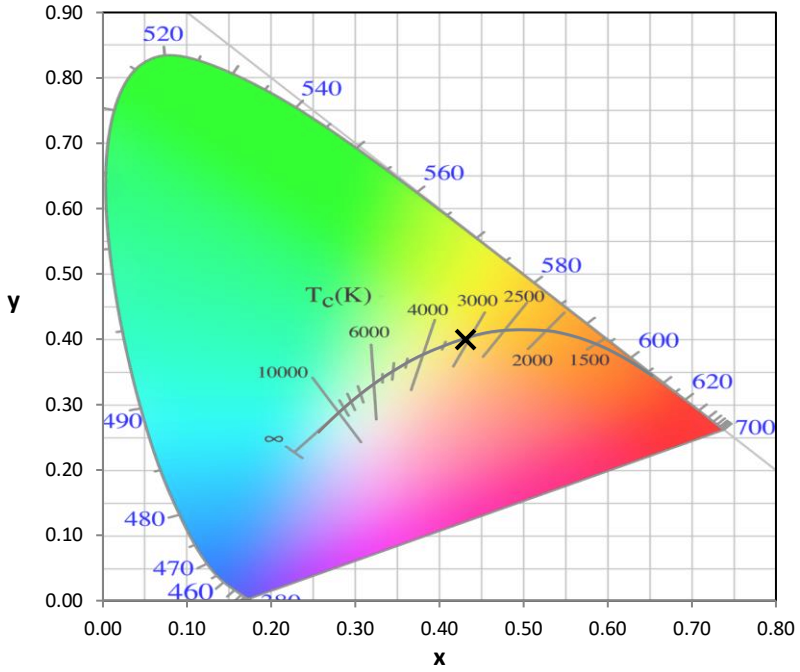
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

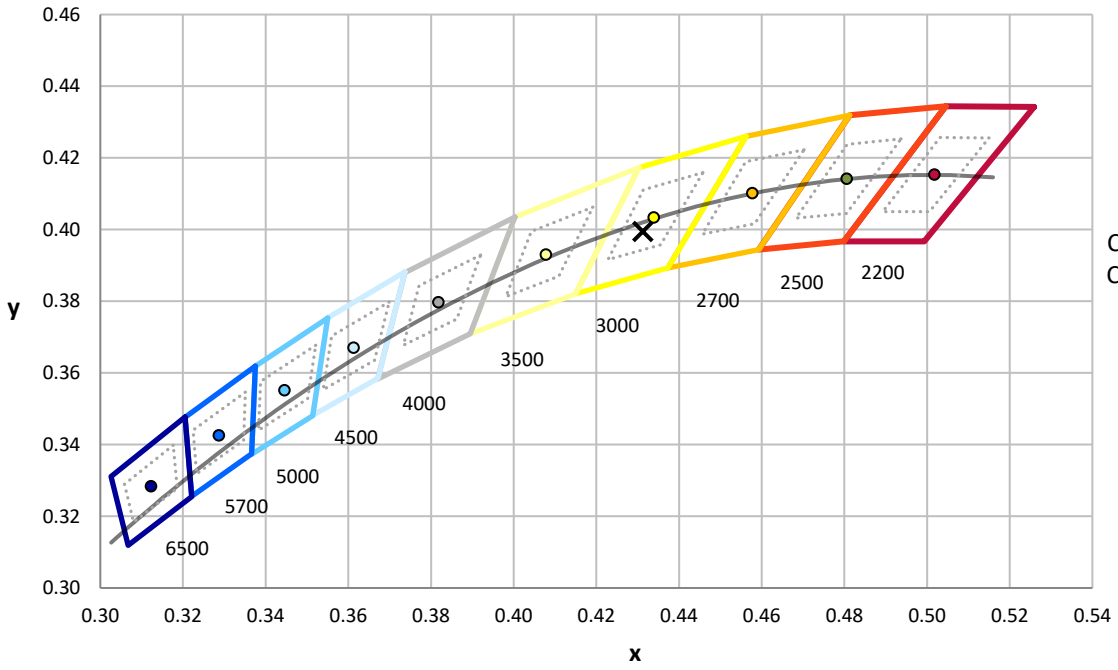
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

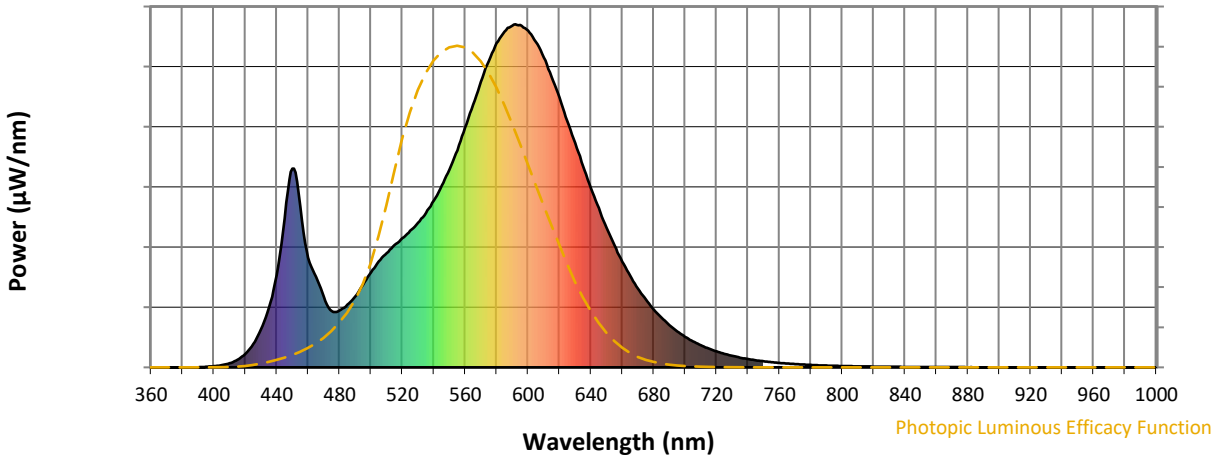


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

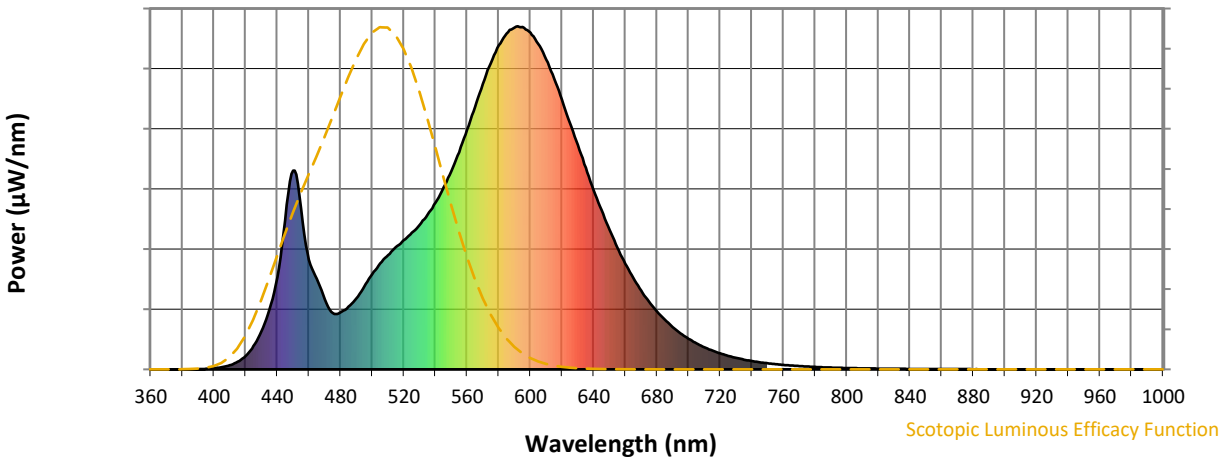


Photopic Lumens: NR

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

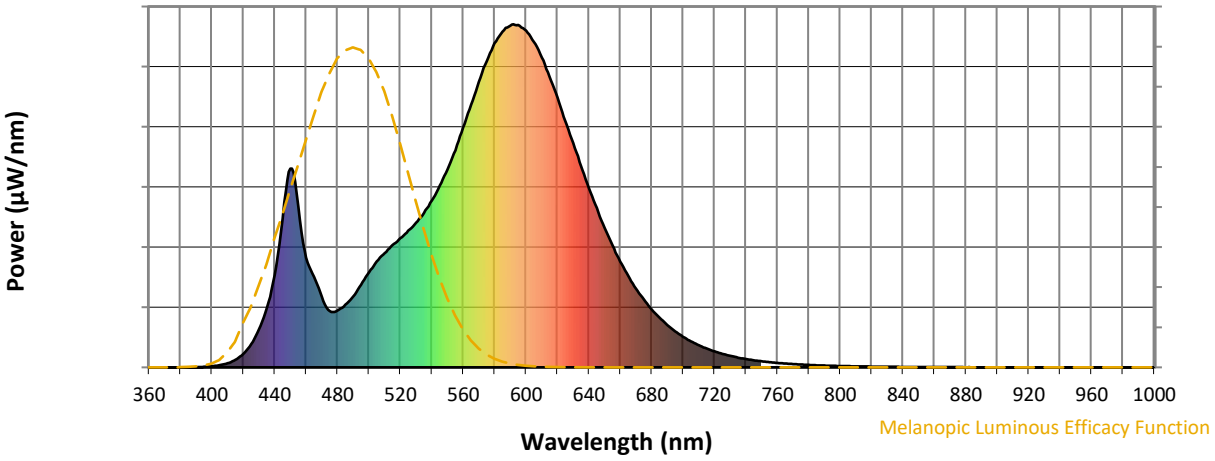


Scotopic Lumens: NR **S/P: 1.29**

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			

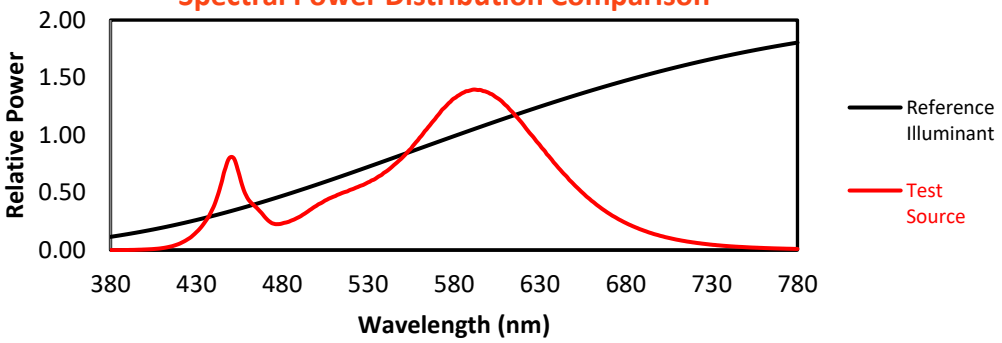
REPORT NUMBER: SP1-2501-332-4

TM-30-18

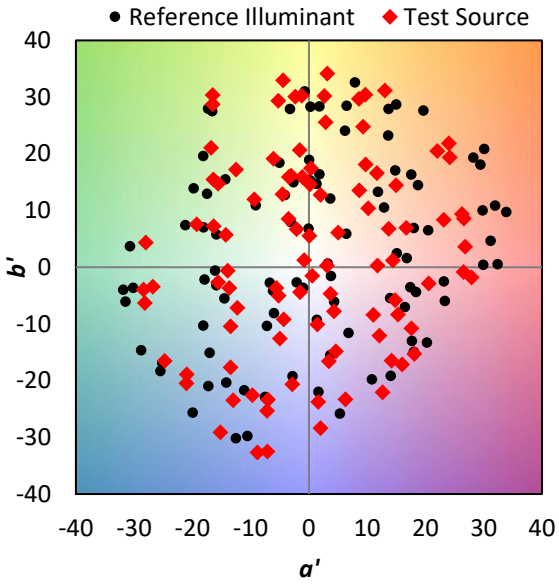
Summary

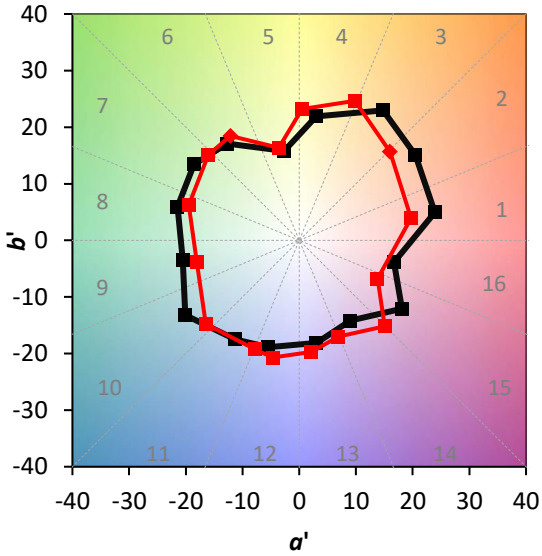
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

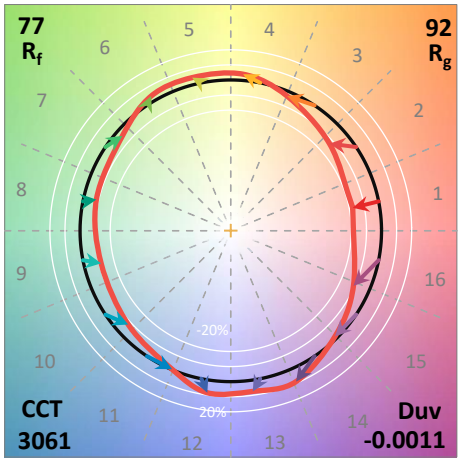
Spectral Power Distribution Comparison

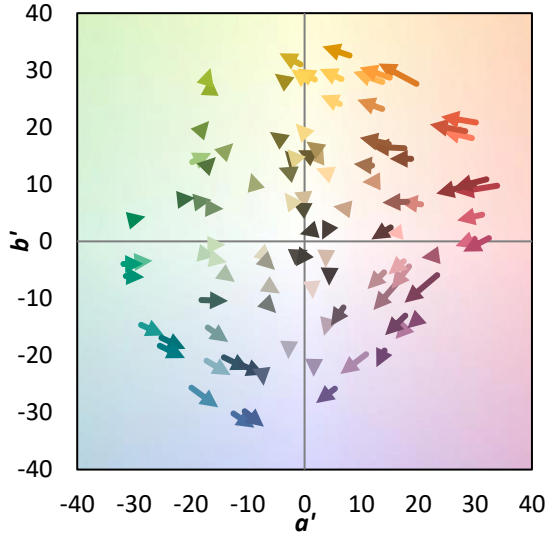


Color Vector Graphics







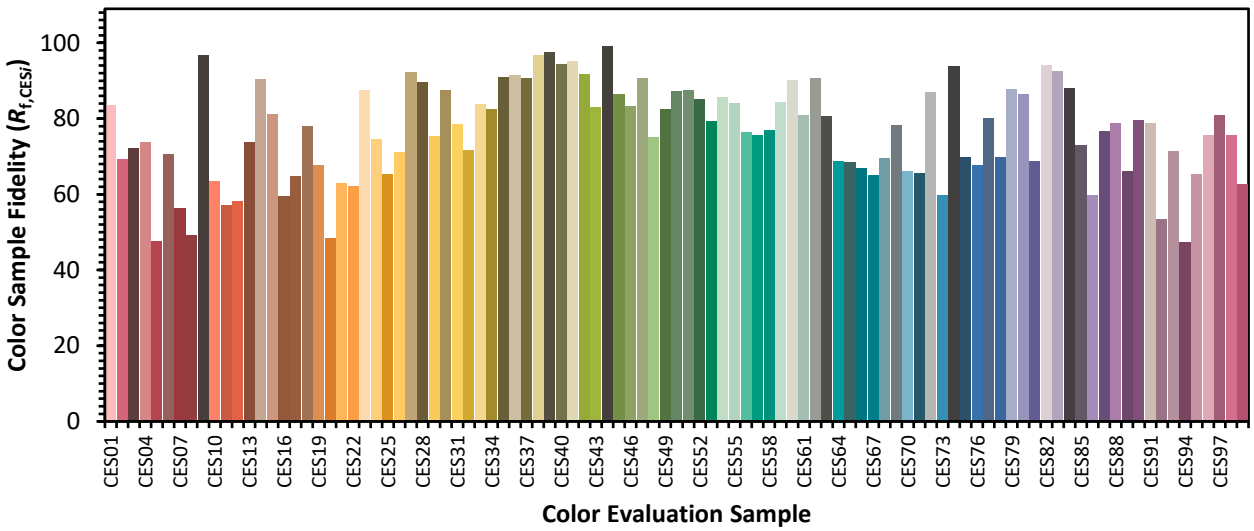


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

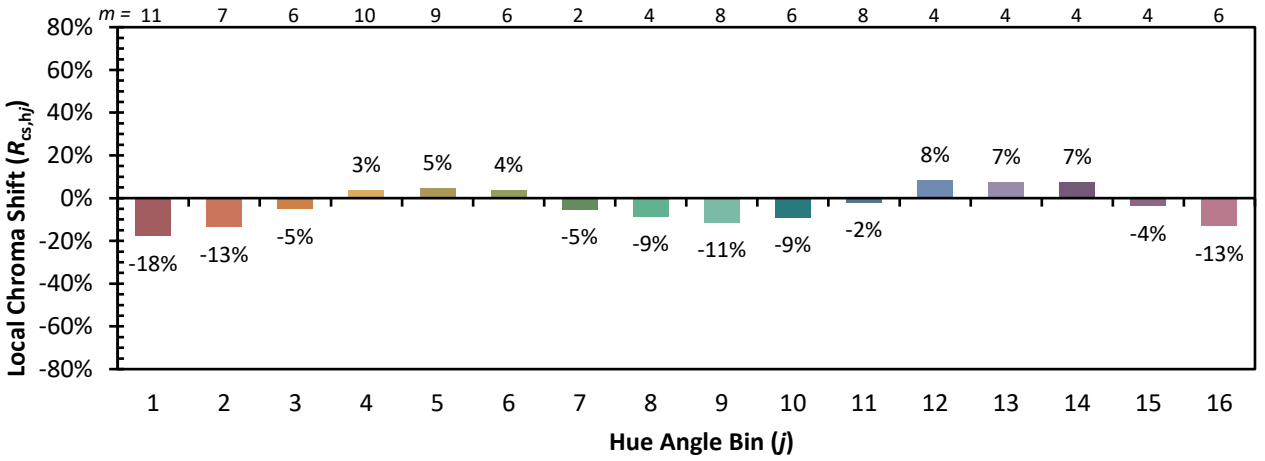
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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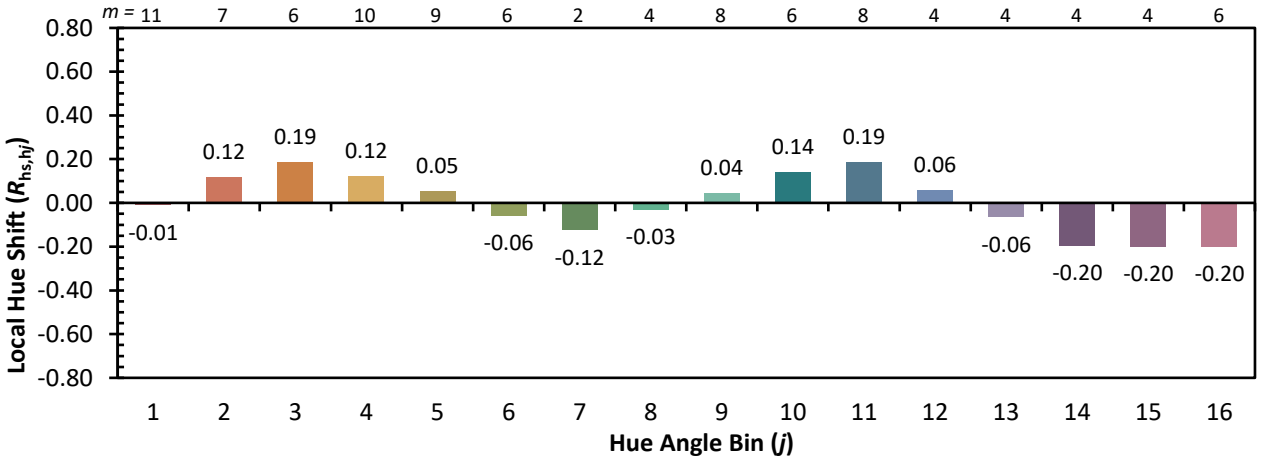


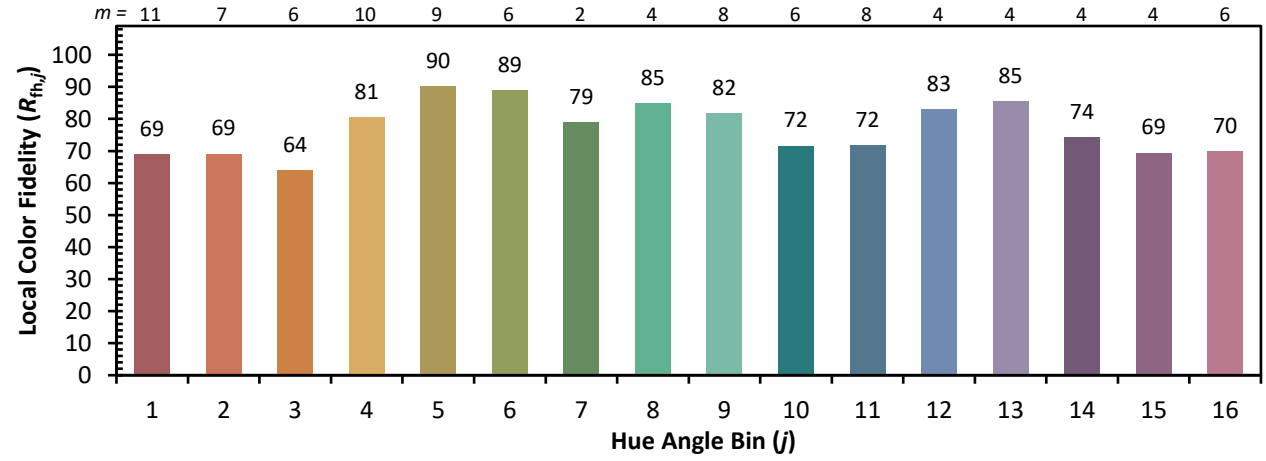
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



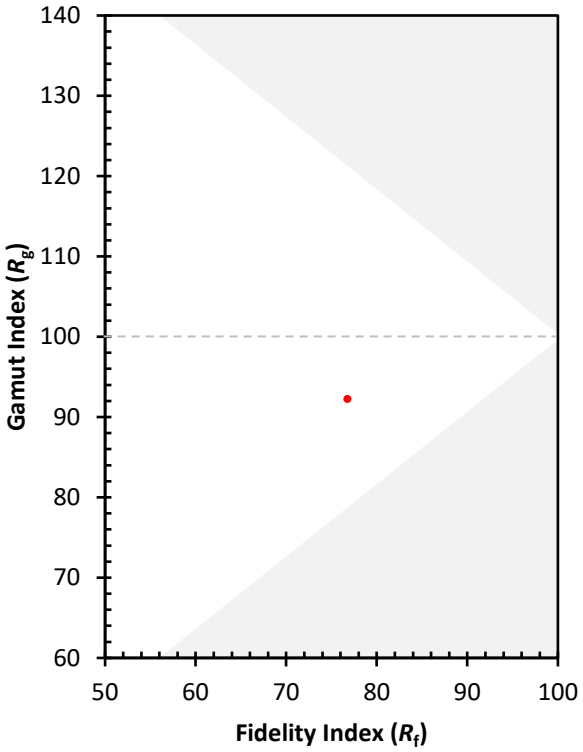


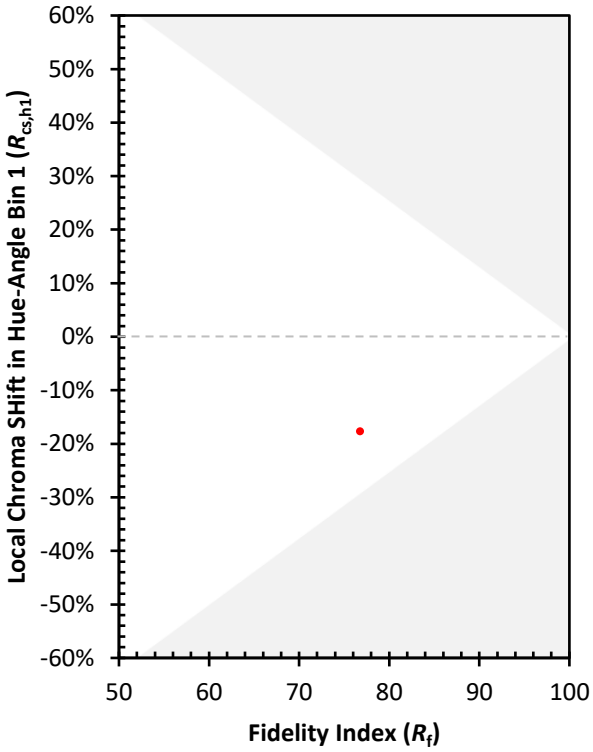


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)