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: P1223937

Luminaire Tested: **FFX-CLB-50-727-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223937
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6666.7 lumens
Efficiency:	N/A
Efficacy:	131.8 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):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

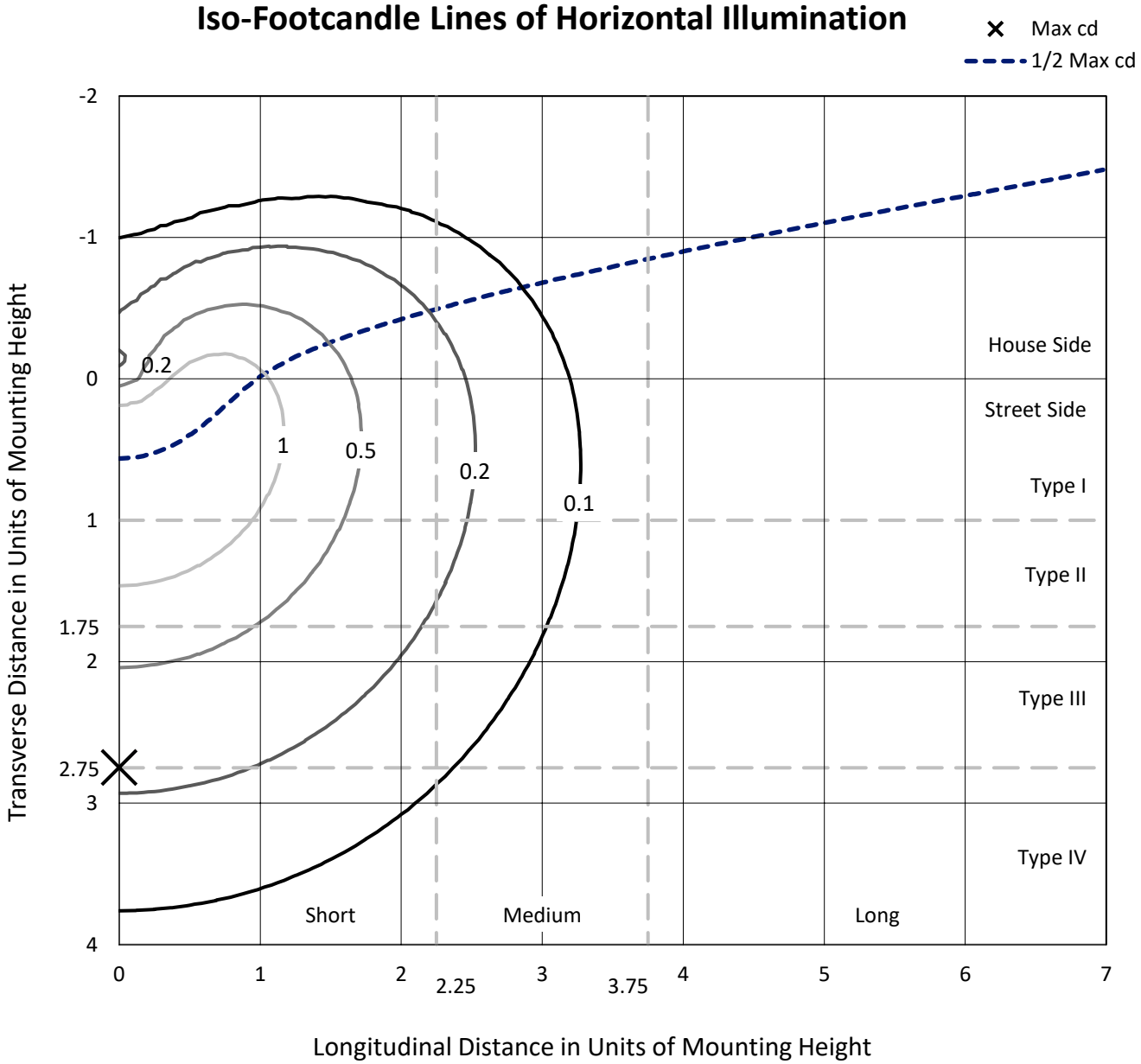


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Iso-Footcandle Lines of Horizontal Illumination



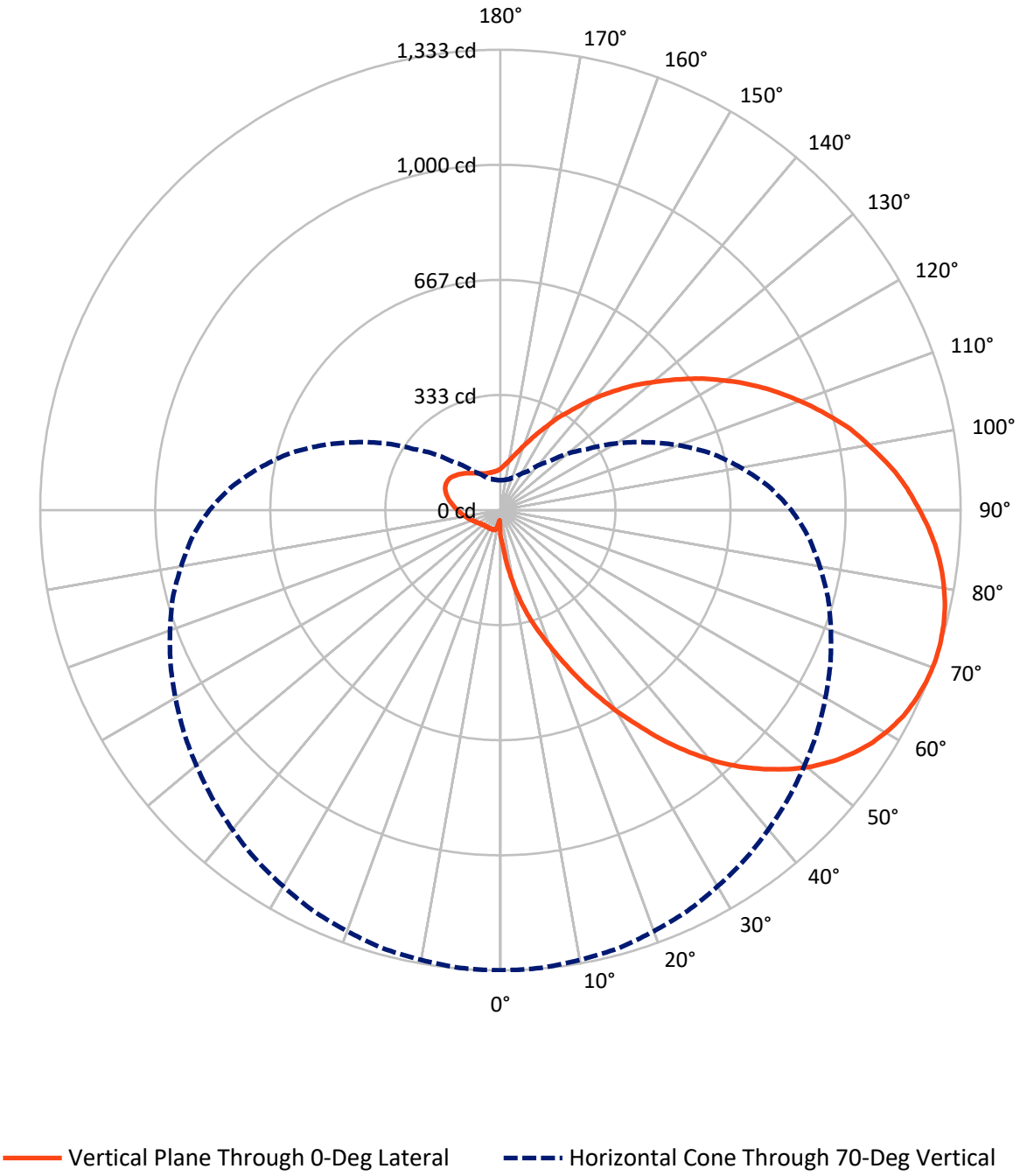
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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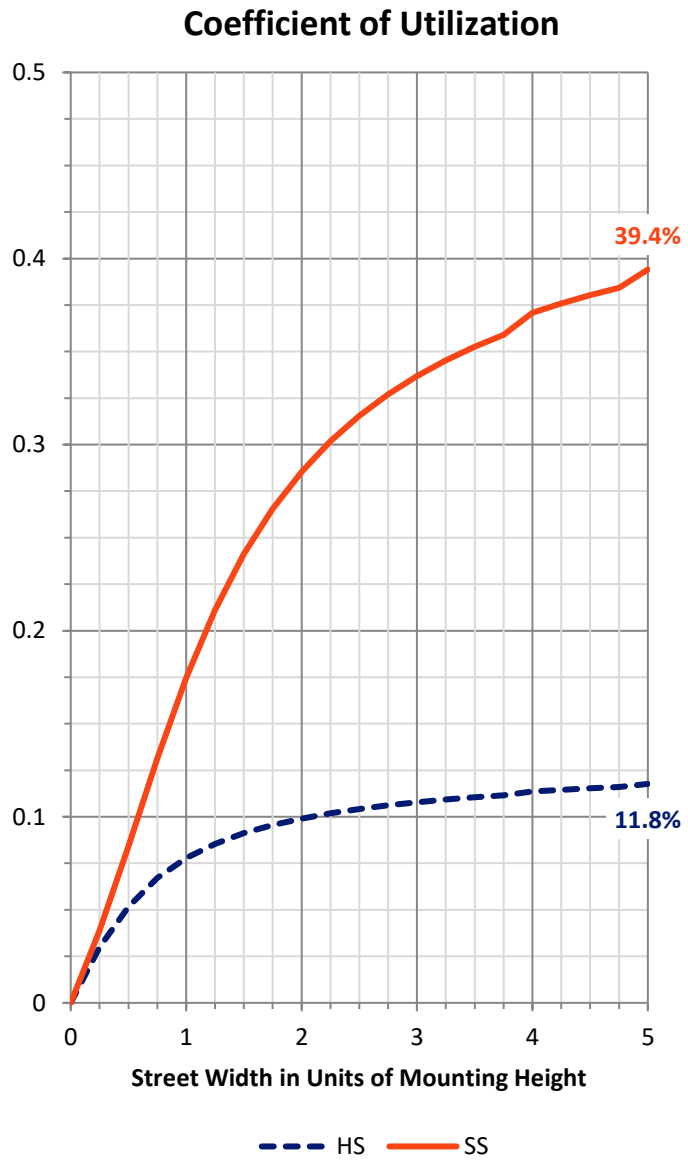
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.8	824.8	1679.6
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	3002.8	1984.3	4987.1
	% Fixture	45.0	29.8	74.8
Total	Lumens	3857.6	2809.1	6666.7
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	58.3	0.9
20°-30°	153.3	2.3
30°-40°	297.9	4.5
40°-50°	464.1	7.0
50°-60°	612.3	9.2
60°-70°	719.0	10.8
70°-80°	773.5	11.6
80°-90°	769.1	11.5
90°-100°	715.1	10.7
100°-110°	627.9	9.4
110°-120°	516.4	7.7
120°-130°	388.8	5.8
130°-140°	263.5	4.0
140°-150°	159.5	2.4
150°-160°	85.9	1.3
160°-170°	40.4	0.6
170°-180°	11.7	0.2
0°-90°	3857.6	57.9
0°-180°	6666.7	100.0



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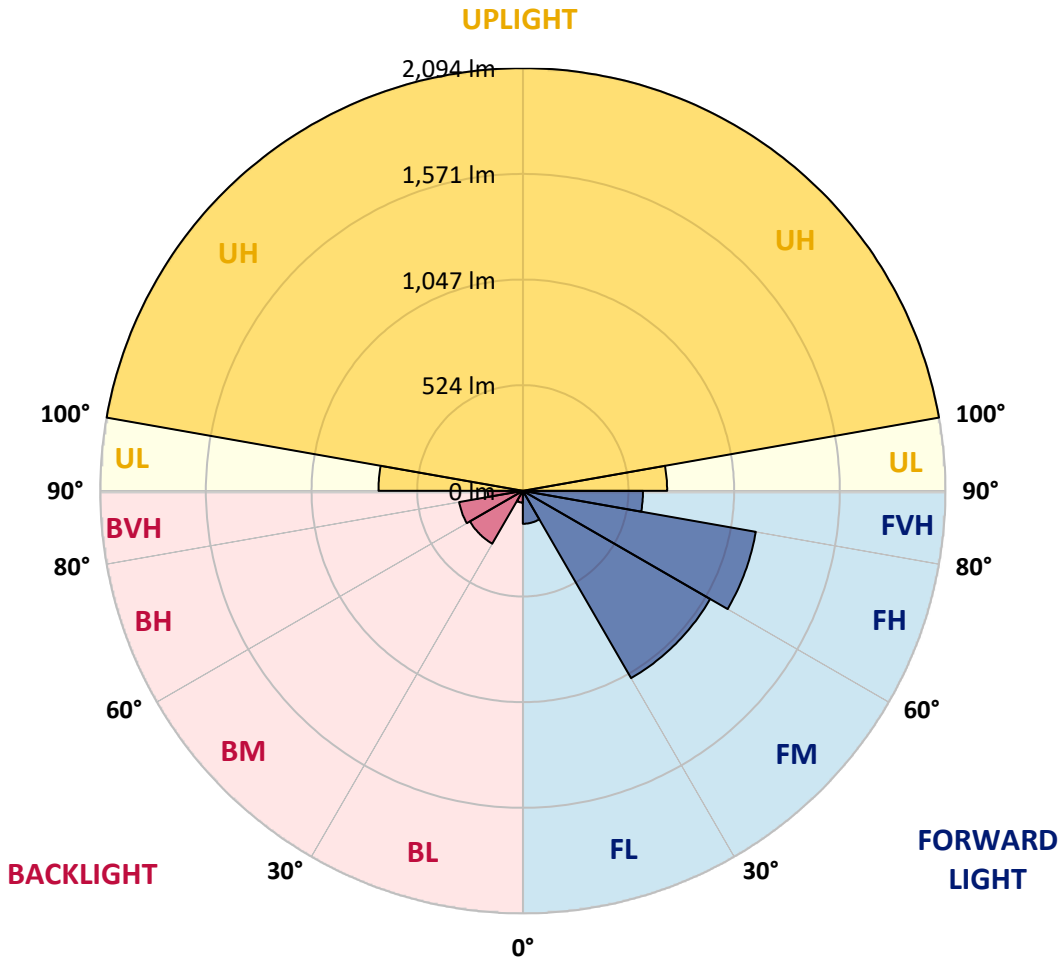
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	163.3	2.4			
FM	(30°-60°)	1071.8	16.1			
FH	(60°-80°)	1172.2	17.6			G1/1800
FVH	(80°-90°)	595.5	8.9			G4/750
BL	(0°-30°)	58.3	0.9	B0/110		
BM	(30°-60°)	302.5	4.5	B1/1000		
BH	(60°-80°)	320.3	4.8	B1/500		G1/500
BVH	(80°-90°)	173.7	2.6			G2/225
UL	(90°-100°)	715.1	10.7		U4/1000	
UH	(100°-180°)	2094.0	31.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*76.3*	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	*92.9*	93.4	92.9	92.9	93.9	92.9	91.9	88.5	84.6	79.7	77.2
5°	*130.0*	130.0	132.5	132.5	130.0	124.7	118.3	109.5	101.7	93.4	87.5
7.5°	*177.5*	178.4	176.5	171.6	168.7	157.9	151.5	140.3	130.5	119.3	113.9
10°	*226.8*	227.3	224.9	220.5	211.2	200.4	191.1	177.9	165.2	150.6	142.7
12.5°	*279.6*	278.6	274.2	264.5	259.1	246.9	234.6	221.0	203.8	185.8	176.5
15°	*330.0*	328.0	326.1	315.8	308.5	296.2	282.1	263.5	243.4	223.4	209.7
17.5°	*378.4*	374.0	371.0	366.1	354.9	344.1	326.1	304.1	282.6	256.2	242.0
20°	*430.2*	431.2	426.3	419.4	407.2	391.6	374.0	350.5	323.6	292.3	275.2
22.5°	*488.4*	488.4	485.4	476.6	463.9	443.9	423.3	398.9	365.7	332.9	311.9
25°	*552.9*	549.5	545.5	534.3	523.6	502.0	477.6	451.2	416.5	376.9	353.4
27.5°	*616.9*	615.5	611.5	599.3	585.6	563.1	538.7	504.5	466.8	420.4	396.0
30°	*684.9*	683.4	679.5	667.8	647.7	625.7	596.4	559.7	518.7	466.4	439.5
32.5°	*750.4*	750.4	745.5	733.3	712.2	685.8	654.6	613.5	568.0	514.3	482.0
35°	*823.2*	822.7	813.9	799.3	773.8	750.9	715.7	672.6	621.3	559.7	525.5
37.5°	*890.2*	887.7	878.9	863.3	839.8	810.0	770.4	723.0	670.2	604.7	566.1
40°	*956.2*	953.2	945.4	927.8	899.5	865.7	825.2	774.3	714.7	646.7	606.7
42.5°	*1015.8*	1014.8	1003.6	982.6	954.2	916.1	872.6	818.8	759.2	685.8	643.3
45°	*1070.1*	1070.1	1058.8	1035.9	1003.6	965.0	917.1	861.8	798.3	721.5	676.6
47.5°	*1121.4*	1121.4	1110.7	1084.3	1048.6	1006.0	957.2	900.0	832.5	753.8	705.9
50°	*1167.8*	1165.9	1153.7	1124.3	1088.2	1043.7	992.4	932.2	864.3	782.6	734.2
52.5°	*1207.9*	1205.5	1191.3	1163.9	1123.4	1075.9	1022.2	961.1	890.2	807.6	758.2
55°	*1241.7*	1240.2	1226.5	1195.2	1152.7	1105.3	1048.1	984.5	914.6	828.6	778.7
57.5°	*1271.0*	1268.5	1252.4	1220.6	1178.1	1126.3	1068.6	1005.6	933.2	847.7	795.8
60°	*1293.0*	1290.5	1273.9	1242.2	1199.1	1144.4	1086.7	1022.7	949.3	862.8	810.0
62.5°	*1311.1*	1308.1	1292.0	1258.3	1213.3	1159.5	1100.4	1035.4	962.0	875.0	822.2
65°	*1322.3*	1319.9	1304.2	1270.5	1224.1	1169.8	1110.7	1045.1	972.3	884.3	831.5
67.5°	*1329.7*	1327.7	1311.6	1278.8	1232.4	1177.1	1117.0	1051.5	979.2	891.2	838.4
70°	*1333.1*	*1331.1*	*1314.5*	*1281.3*	*1235.3*	*1180.1*	*1119.9*	*1054.4*	*982.6*	*896.0*	*842.8*
71°	*1333.1*	1331.1	1315.0	1281.7	1235.8	1180.6	1120.4	1054.9	983.1	896.5	843.3
72.5°	*1331.6*	1330.1	1314.0	1280.3	1234.3	1179.6	1119.0	1054.4	983.1	897.0	844.2
75°	*1326.2*	1323.3	1307.7	1274.9	1229.4	1174.7	1114.6	1050.0	980.1	895.6	843.3
77.5°	*1316.5*	1314.0	1297.9	1266.1	1220.6	1165.4	1105.8	1042.7	974.3	890.7	839.3
80°	*1302.3*	1299.8	1284.2	1251.4	1206.5	1153.2	1093.5	1031.5	964.0	882.9	832.5
82.5°	*1284.2*	1282.2	1267.1	1234.3	1189.8	1137.0	1077.4	1016.8	952.8	872.1	822.7
85°	*1262.7*	1260.2	1243.6	1211.4	1168.8	1116.0	1057.9	999.2	936.6	858.9	811.0
87.5°	*1236.8*	1235.3	1218.7	1187.9	1145.4	1093.1	1037.3	980.1	918.5	844.2	797.8
90°	*1208.4*	1207.9	1190.3	1159.5	1117.5	1068.1	1012.9	957.2	897.5	826.6	781.7
92.5°	*1180.1*	1180.1	1162.5	1130.7	1089.1	1040.3	988.0	934.2	877.5	809.0	766.0
95°	*1148.8*	1145.4	1128.7	1100.4	1058.8	1011.9	961.6	908.8	854.0	789.0	748.4
97.5°	*1112.1*	1111.1	1095.0	1064.7	1026.6	981.6	932.7	883.8	831.0	768.5	729.8
100°	*1076.4*	1074.5	1059.3	1031.5	992.4	949.3	903.4	856.5	806.6	747.4	710.3
102.5°	*1041.2*	1036.3	1020.7	992.4	958.1	916.1	873.1	830.1	781.2	725.0	690.2
105°	*998.7*	998.2	982.1	955.2	920.5	883.3	842.8	800.7	756.2	702.0	669.7
107.5°	*957.2*	957.2	942.0	915.6	882.9	847.2	811.0	771.4	730.3	678.0	648.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*914.6*	914.1	900.4	877.0	845.7	811.5	778.2	742.1	701.0	655.0	626.2
112.5°	*872.6*	871.6	858.4	834.5	805.6	777.7	744.5	711.3	673.6	631.1	603.7
115°	*830.1*	829.1	814.9	793.9	767.5	738.6	710.8	679.0	646.3	603.7	579.8
117.5°	*786.1*	785.1	773.3	752.8	727.9	704.9	677.0	649.7	616.4	577.8	553.9
120°	*741.1*	741.6	729.8	711.3	688.3	666.8	642.3	617.4	586.6	549.9	527.0
122.5°	*698.6*	695.1	687.3	670.7	650.2	630.1	609.6	584.2	555.3	520.6	500.6
125°	*653.1*	652.1	644.3	627.7	610.1	594.4	575.4	552.4	526.0	490.8	472.7
127.5°	*609.1*	610.6	601.8	589.5	572.4	559.2	539.7	519.6	494.2	462.4	445.3
130°	*568.0*	567.1	562.2	549.5	535.3	521.6	506.9	488.8	464.9	433.1	417.5
132.5°	*529.9*	525.5	521.1	510.4	498.6	487.4	474.7	456.6	432.1	404.3	390.6
135°	*488.4*	488.4	481.5	472.2	463.9	453.2	440.4	423.8	402.8	378.4	362.7
137.5°	*450.2*	448.3	443.9	436.5	428.7	420.9	410.1	393.5	374.9	351.5	337.8
140°	*414.1*	412.6	408.7	402.3	396.0	388.6	378.9	364.7	347.6	325.1	313.3
142.5°	*376.4*	377.4	374.0	369.6	362.2	357.3	348.5	335.8	320.7	301.1	289.9
145°	*342.7*	343.2	341.7	337.3	331.9	327.0	317.7	308.5	293.8	276.2	267.9
147.5°	*314.8*	312.9	309.9	307.5	302.6	298.7	291.4	282.6	268.9	253.7	245.9
150°	*283.5*	285.0	282.1	279.1	276.2	270.8	265.4	258.1	245.4	233.2	224.9
152.5°	*257.1*	258.1	255.7	254.2	251.3	246.9	241.5	234.6	224.9	214.1	206.3
155°	*233.7*	233.7	233.7	231.7	228.3	225.4	220.0	213.6	205.3	195.5	190.2
157.5°	*212.2*	212.6	212.6	210.2	207.8	205.3	200.9	195.5	188.2	179.9	176.0
160°	*195.0*	194.1	193.6	191.6	189.7	187.7	183.8	179.4	173.1	166.2	162.8
162.5°	*177.9*	177.9	177.0	175.5	174.0	171.1	168.7	164.3	159.9	155.0	151.1
165°	*164.7*	164.3	164.3	162.3	160.8	158.4	155.9	153.0	149.1	144.7	141.8
167.5°	*153.5*	152.5	152.0	151.1	149.1	147.6	145.2	142.7	139.8	136.9	134.4
170°	*142.7*	143.2	142.3	141.3	140.3	138.8	136.9	134.9	132.5	129.5	128.6
172.5°	*135.4*	134.9	134.4	133.5	132.5	131.0	130.0	128.1	126.6	124.7	123.7
175°	*128.6*	128.6	128.1	127.1	126.1	125.1	124.2	123.2	122.2	120.7	120.3
177.5°	*123.2*	123.2	123.2	122.2	121.7	121.2	120.3	119.8	119.3	118.3	118.3
180°	*117.8*	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	74.8	68.4	63.1	58.2	54.3	50.8	48.9	45.5	43.0	41.6
5°	84.1	74.8	67.0	59.2	53.3	46.9	40.6	34.2	30.3	29.8
7.5°	106.6	96.3	84.6	74.3	62.6	52.8	44.5	38.1	35.7	35.2
10°	134.9	119.8	104.1	89.0	73.8	61.6	52.8	46.9	44.0	43.5
12.5°	166.2	145.7	125.6	106.1	88.0	74.3	63.5	56.7	53.3	53.3
15°	198.5	173.1	147.6	123.7	102.7	85.5	72.3	63.5	59.6	59.2
17.5°	226.8	198.0	167.7	139.3	113.9	92.4	76.7	66.0	61.1	60.6
20°	259.1	222.4	187.7	152.5	122.7	97.8	79.2	67.0	60.6	60.1
22.5°	293.3	251.8	208.7	167.7	132.0	103.1	81.6	67.9	61.1	60.1
25°	331.9	282.1	230.2	182.8	141.3	108.0	84.1	68.9	61.6	60.6
27.5°	368.6	313.3	253.2	197.0	149.6	112.4	86.0	69.9	62.1	61.1
30°	407.7	344.1	275.7	212.2	158.4	116.8	88.0	70.4	62.1	61.1
32.5°	447.3	374.0	299.2	225.8	165.7	119.8	89.0	70.9	62.6	61.6
35°	489.3	406.2	321.2	240.0	172.6	122.7	89.9	71.4	62.6	61.6
37.5°	528.0	437.0	342.7	252.2	178.4	125.1	90.9	71.4	63.1	62.1
40°	562.7	464.9	361.7	263.0	183.3	126.6	91.4	71.9	63.5	62.6
42.5°	596.9	492.3	378.9	271.8	187.2	127.6	91.9	72.3	64.0	63.1
45°	627.2	515.2	394.5	280.1	190.2	128.6	92.4	72.8	64.5	63.5
47.5°	654.1	536.7	409.2	287.0	192.1	129.1	92.9	73.3	65.5	64.5
50°	680.0	557.3	420.4	292.3	194.1	129.5	92.9	74.3	67.0	66.0
52.5°	702.0	573.9	430.7	296.7	195.0	130.0	93.9	75.3	67.9	67.5
55°	721.0	588.6	440.0	300.1	196.0	130.0	94.8	76.7	69.9	68.9
57.5°	736.7	600.3	446.3	302.1	196.0	130.5	95.3	78.7	71.9	70.9
60°	750.4	610.6	452.2	304.5	196.5	131.0	96.8	80.7	74.3	73.8
62.5°	761.6	618.4	456.6	306.0	197.0	132.5	98.7	83.1	76.7	76.3
65°	770.4	625.2	460.0	307.0	197.5	133.5	100.7	85.5	80.2	79.7
67.5°	776.3	630.1	462.4	307.5	198.0	134.9	103.1	89.0	83.6	82.6
70°	*780.7*	*633.1*	*463.9*	*308.0*	*199.0*	*136.4*	*106.1*	*91.9*	*87.0*	*86.5*
71°	781.7	633.5	464.4	308.0	199.4	137.4	107.1	93.4	88.5	88.0
72.5°	782.1	634.0	464.4	308.0	199.9	138.8	109.0	95.8	90.9	90.4
75°	781.7	633.5	463.9	308.0	200.9	141.3	112.4	99.2	94.8	94.3
77.5°	778.2	631.6	462.4	308.0	202.4	144.2	116.3	104.1	99.2	98.7
80°	772.4	627.7	460.0	307.5	203.8	147.6	120.3	108.5	103.6	103.1
82.5°	764.6	621.8	456.6	307.5	205.8	150.6	124.2	112.4	108.5	108.0
85°	754.3	615.0	453.2	307.0	208.2	154.5	129.1	117.8	113.9	112.9
87.5°	742.1	606.7	449.2	307.0	210.7	158.9	133.9	122.7	118.8	117.8
90°	728.4	597.4	445.3	307.0	213.6	163.3	139.3	128.1	123.7	123.2
92.5°	714.7	588.6	441.4	307.5	217.5	168.2	144.7	133.9	129.5	129.5
95°	699.0	577.8	437.0	308.5	221.4	173.5	151.1	139.8	135.4	134.9
97.5°	683.4	568.0	433.6	309.9	225.8	179.9	156.9	146.2	141.8	140.8
100°	665.8	557.8	430.2	311.9	231.2	185.8	163.3	152.5	148.1	147.6
102.5°	648.7	546.5	426.3	314.3	236.6	192.6	170.1	158.9	154.5	154.0
105°	630.1	534.8	421.9	316.3	242.0	199.0	176.5	164.7	159.9	159.9
107.5°	612.0	522.6	417.5	318.7	247.4	205.3	182.3	170.6	165.2	164.7

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

Scaled Data Report

REPORT NUMBER: P1223937
CATALOG NUMBER: FFX-CLB-50-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	591.5	509.4	412.1	320.2	252.2	210.7	187.7	175.0	169.6	169.1
112.5°	572.9	495.2	406.2	320.7	256.6	215.6	192.1	178.9	173.5	172.6
115°	549.5	480.5	398.4	319.7	259.1	219.5	195.0	181.4	175.5	174.5
117.5°	527.0	463.9	390.1	317.3	260.6	221.4	197.0	182.8	176.5	175.5
120°	504.0	445.3	378.4	312.9	259.1	221.4	197.0	181.8	175.5	175.0
122.5°	478.1	425.8	366.1	306.5	256.6	219.5	195.0	180.4	173.5	173.1
125°	451.2	404.8	351.5	297.7	251.8	216.6	192.1	177.5	170.6	170.1
127.5°	425.3	383.3	336.3	287.4	244.9	211.7	188.2	173.1	166.2	165.2
130°	399.9	360.8	319.2	275.2	236.6	205.3	182.8	168.7	161.8	160.8
132.5°	373.5	339.3	302.1	263.5	227.8	198.5	177.0	163.3	156.9	155.9
135°	348.5	316.8	283.5	249.3	217.5	190.6	170.6	157.9	151.5	151.1
137.5°	324.6	295.8	266.4	235.6	207.3	182.8	164.3	152.5	146.7	145.7
140°	300.1	275.2	248.8	222.4	196.0	174.5	157.9	146.7	141.3	140.3
142.5°	279.1	255.7	232.2	207.8	185.3	165.7	151.1	140.8	136.4	135.9
145°	257.1	236.6	215.6	194.6	175.0	157.9	144.7	135.9	131.5	131.0
147.5°	237.6	218.0	199.9	181.8	164.7	149.6	138.3	131.0	127.6	127.1
150°	217.5	201.9	186.2	169.6	155.0	142.3	133.0	126.6	123.2	122.7
152.5°	199.9	186.7	172.6	159.9	146.2	135.9	128.1	122.2	119.8	119.3
155°	184.8	173.5	161.8	150.1	139.3	131.0	124.2	119.3	117.3	117.3
157.5°	171.6	161.8	152.0	142.3	133.5	126.1	120.7	117.3	115.4	114.9
160°	158.9	151.1	142.3	134.9	128.1	122.7	118.3	115.4	113.9	113.4
162.5°	148.6	141.8	135.9	129.5	124.2	119.8	116.3	113.9	112.9	112.9
165°	139.8	134.9	129.5	125.1	120.7	117.3	114.9	113.4	112.4	112.4
167.5°	133.0	128.6	125.1	121.2	118.3	115.9	113.9	112.9	112.4	111.9
170°	127.1	124.2	121.2	118.8	116.3	114.9	113.4	112.9	112.4	112.4
172.5°	122.7	120.7	118.8	116.8	115.4	113.9	113.4	112.9	112.9	112.9
175°	119.3	118.3	116.8	115.9	114.9	114.4	113.9	113.9	113.9	113.9
177.5°	117.8	116.8	116.3	115.9	115.4	115.4	115.4	115.9	115.9	115.9
180°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

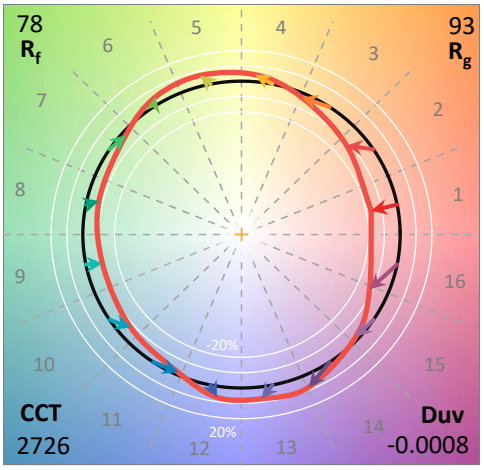
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

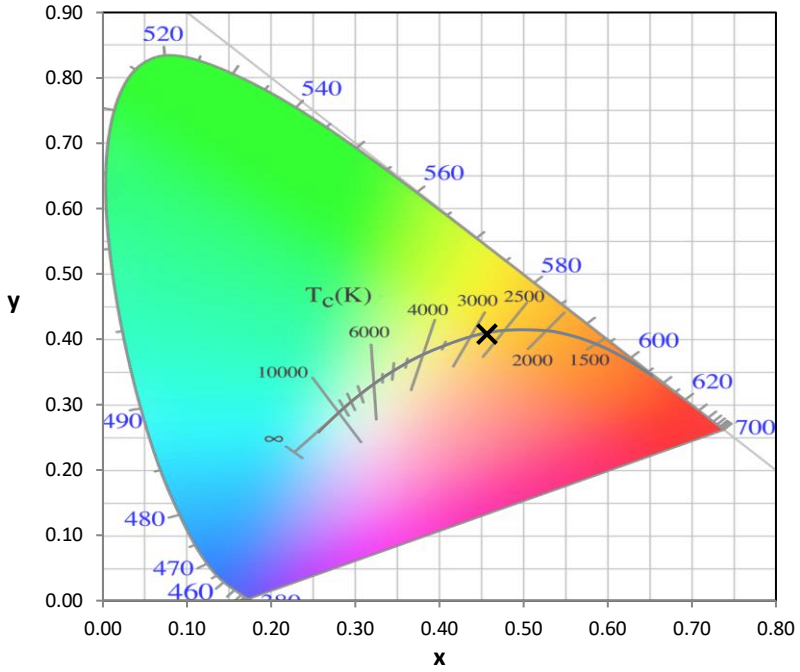
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

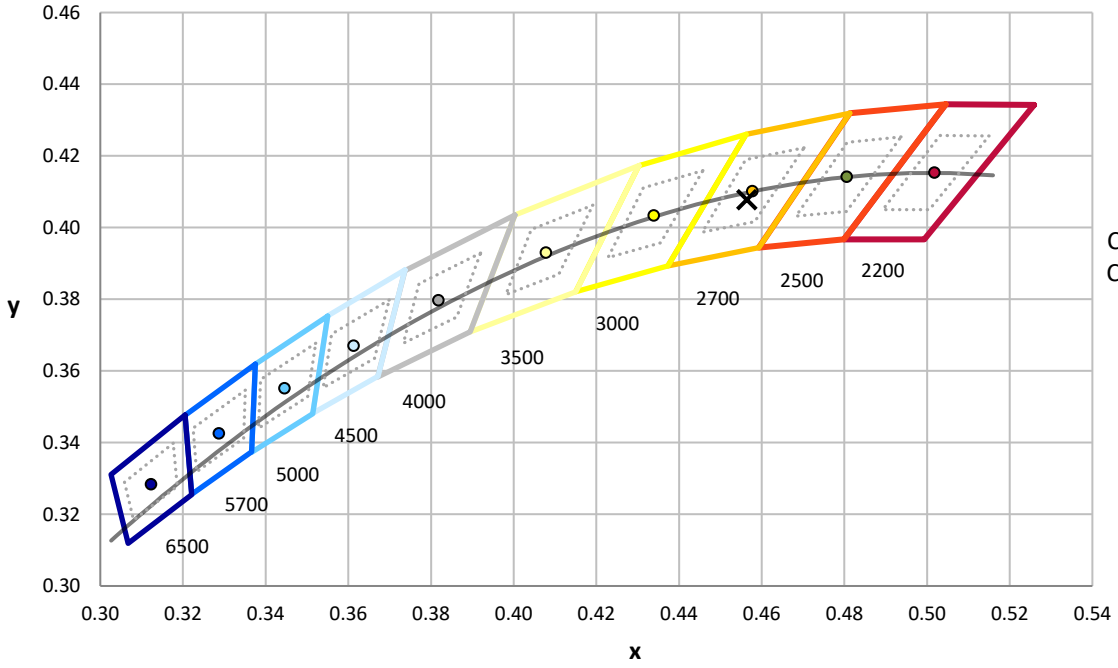
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

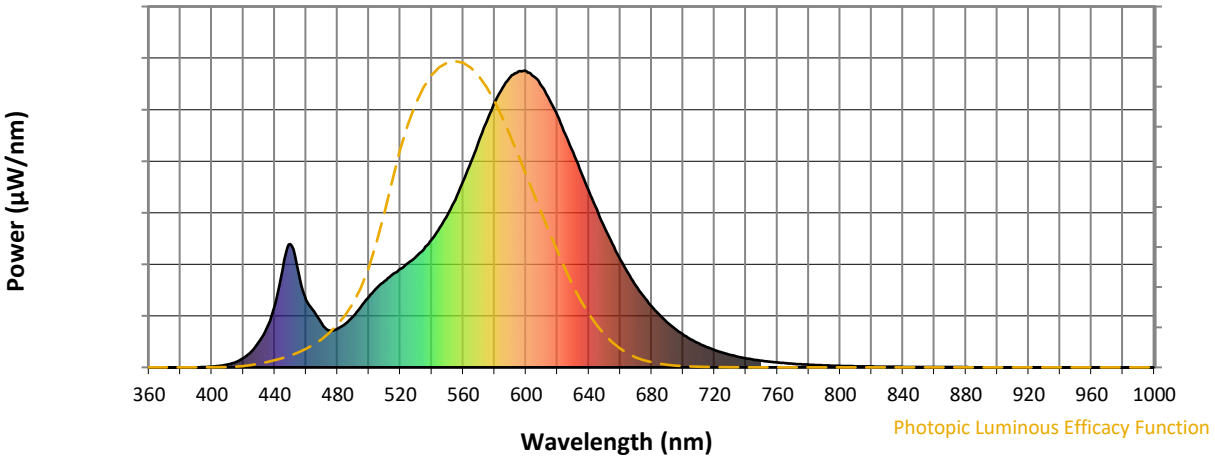


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

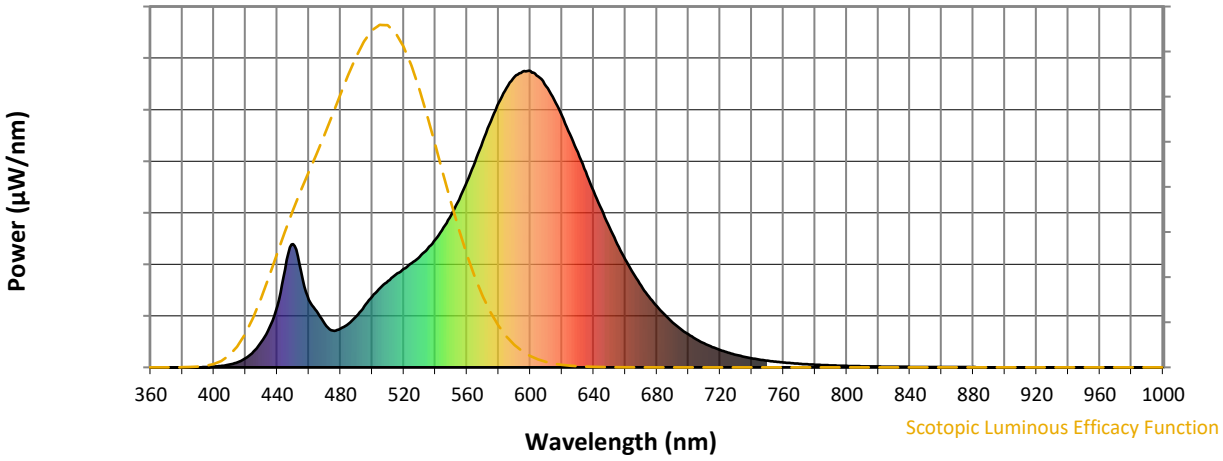


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

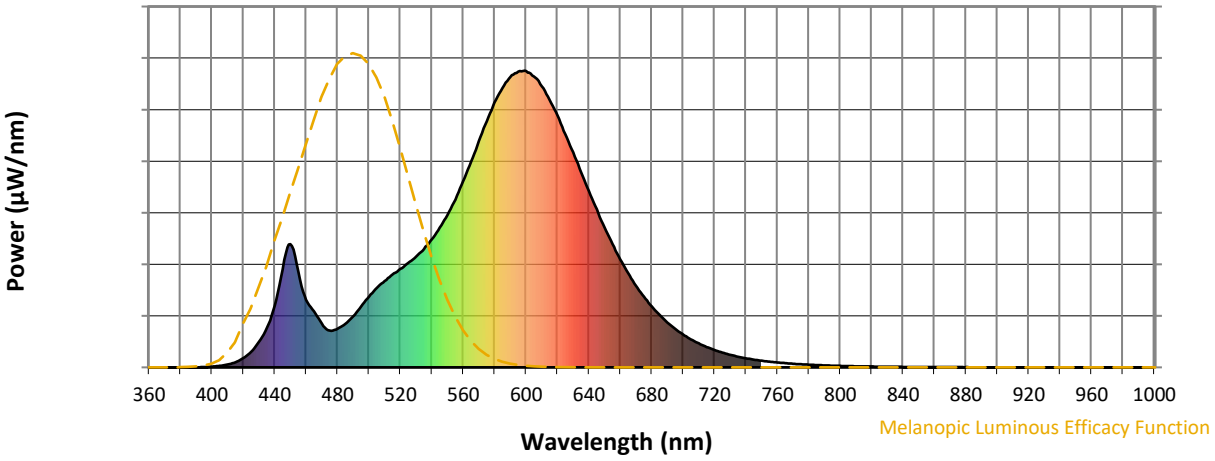


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

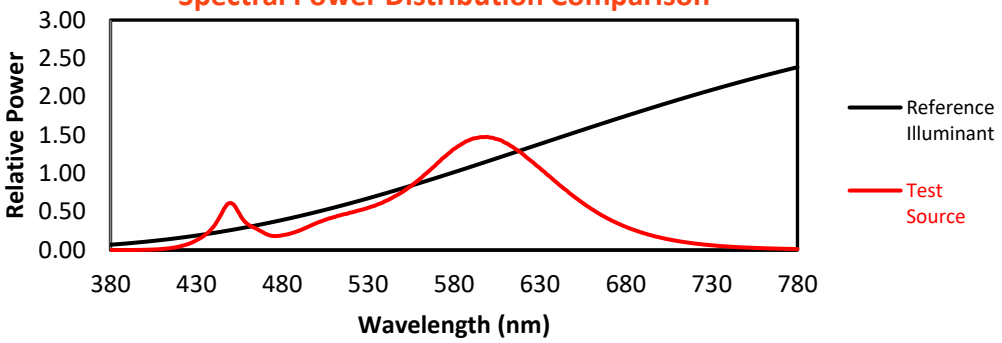
REPORT NUMBER: SP1-2501-332-3

TM-30-18

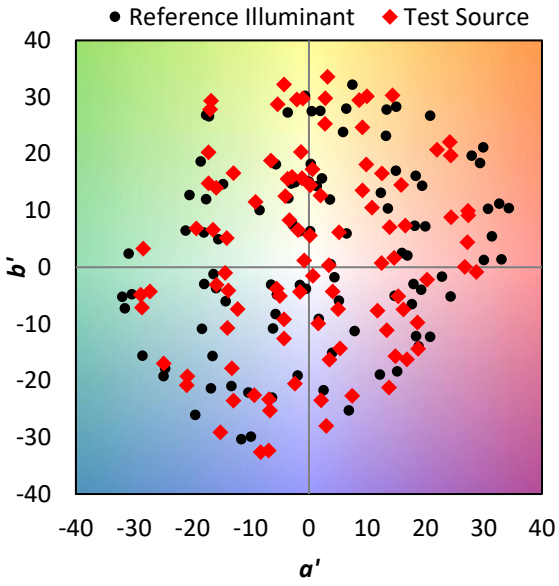
Summary

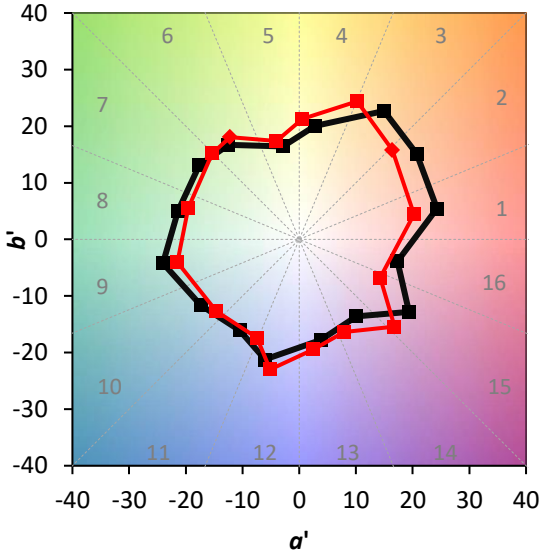
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

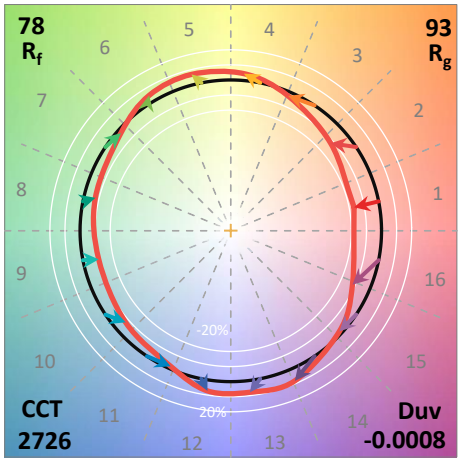
Spectral Power Distribution Comparison

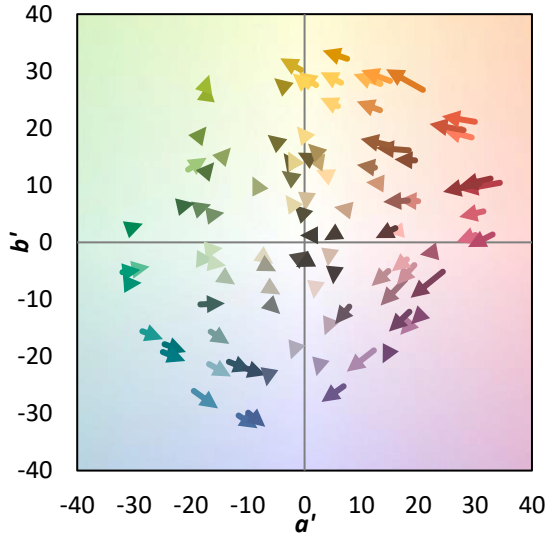


Color Vector Graphics







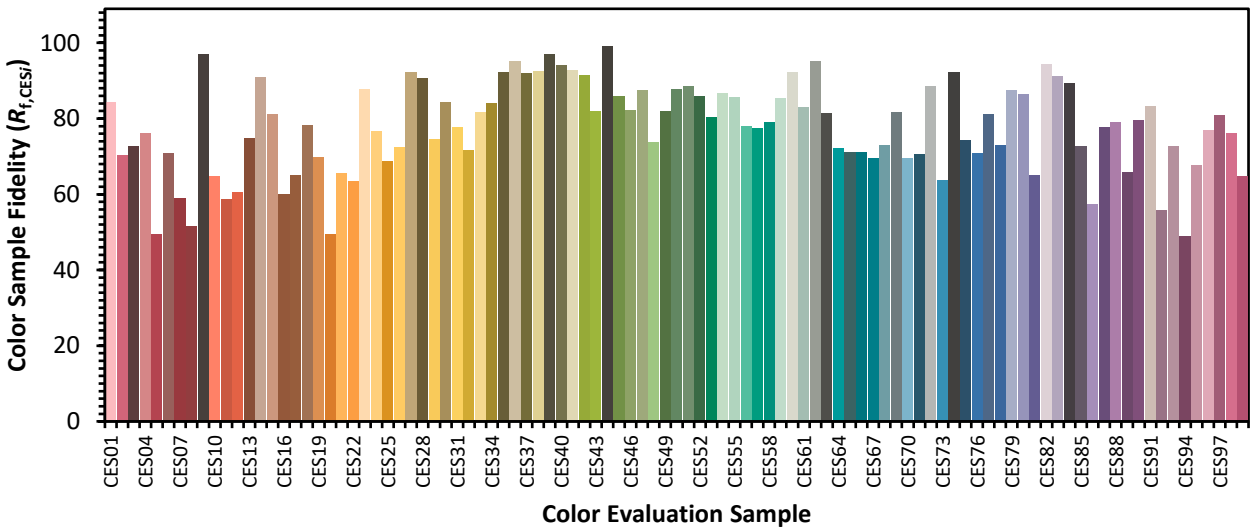


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

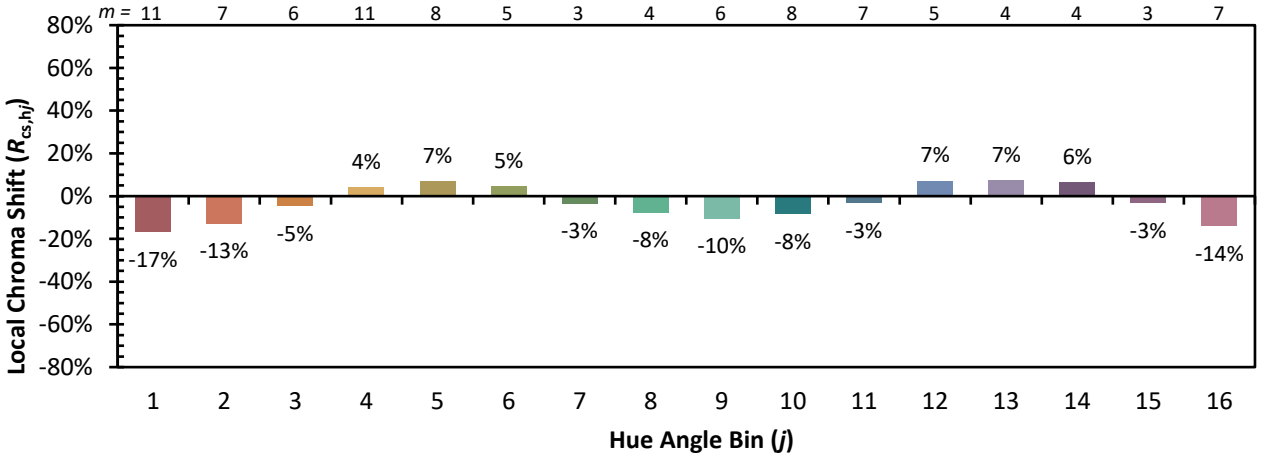
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

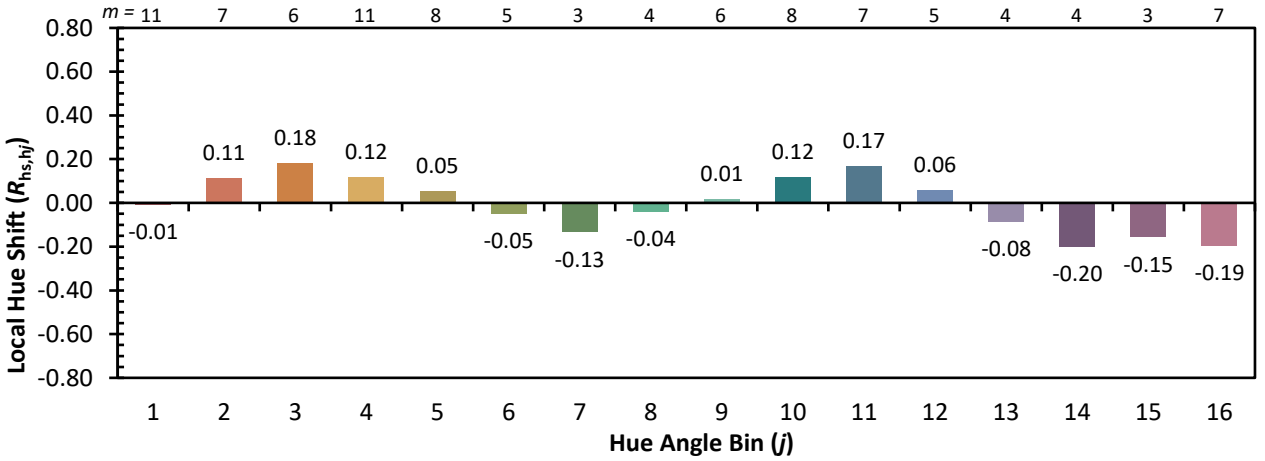


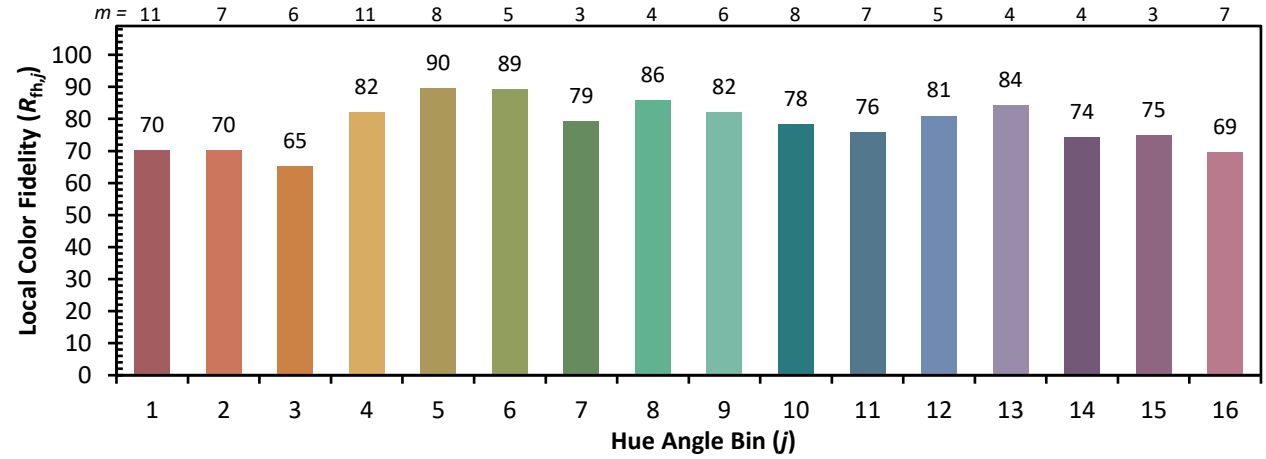
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



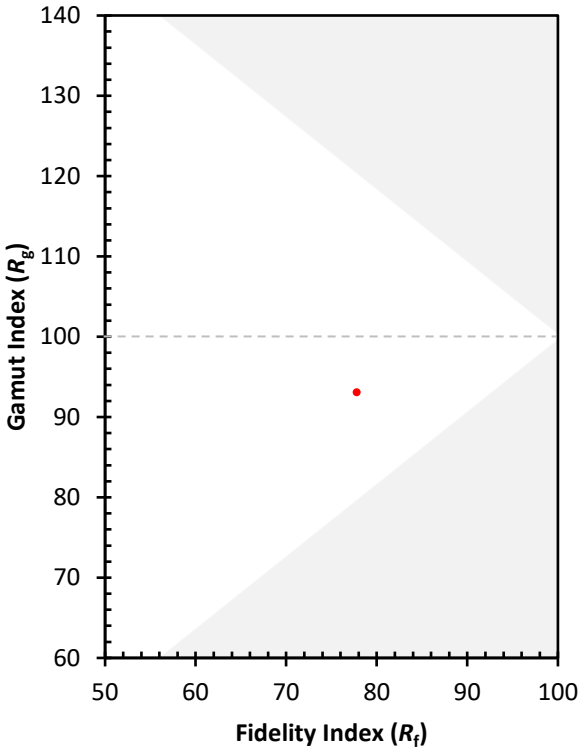


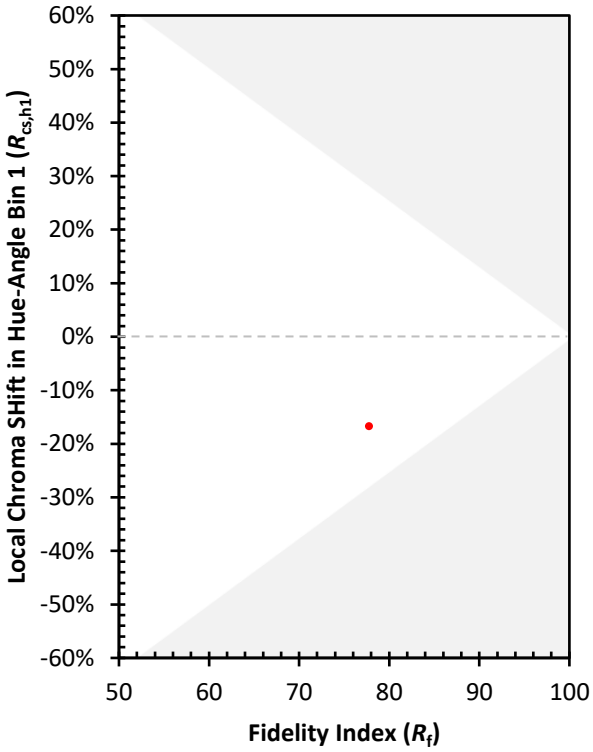


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)