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: P1224018

Luminaire Tested: **FFX-CLB-50-722-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224018
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-722-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5926.2 lumens
Efficiency:	N/A
Efficacy:	117.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	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

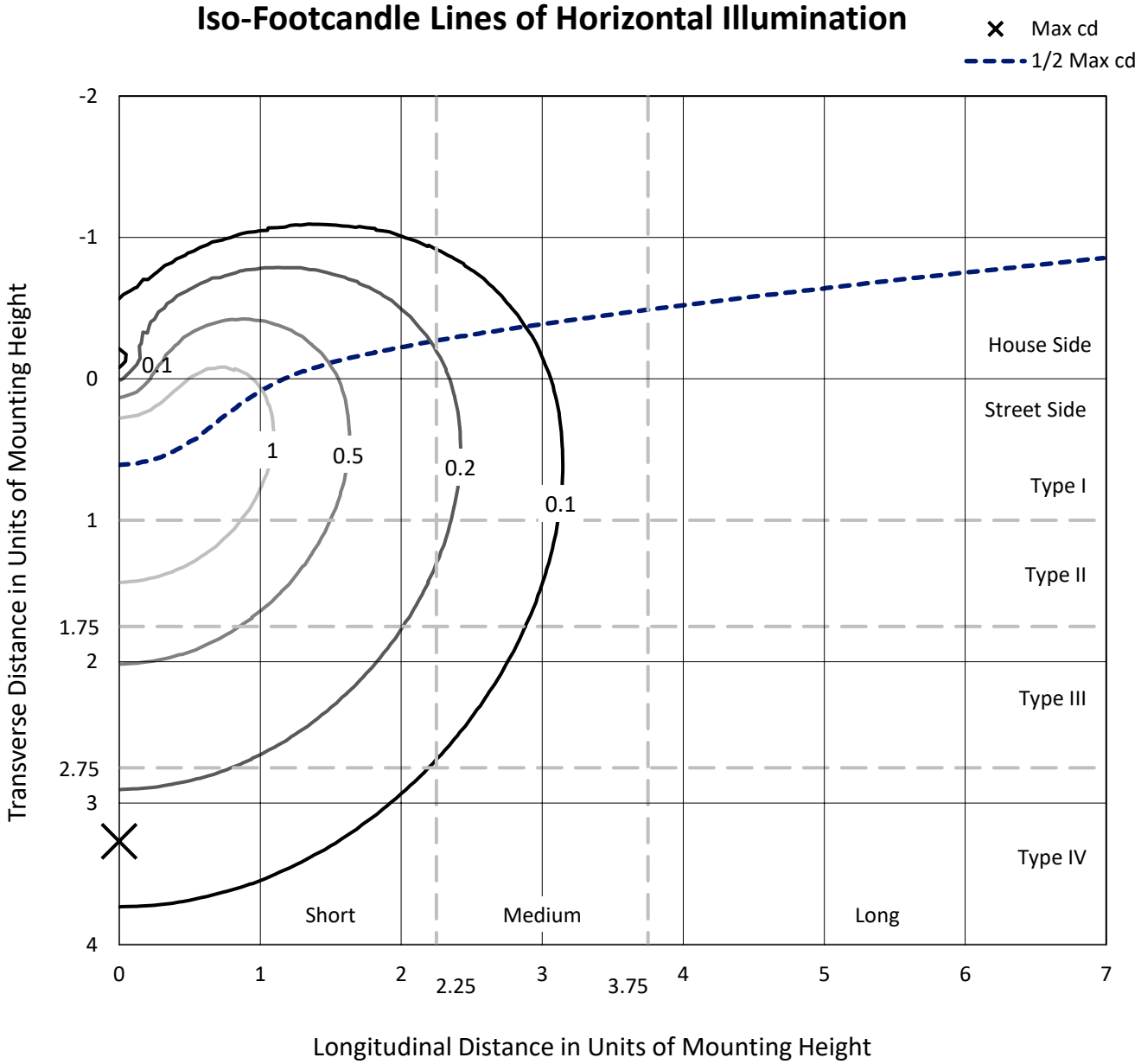


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Iso-Footcandle Lines of Horizontal Illumination



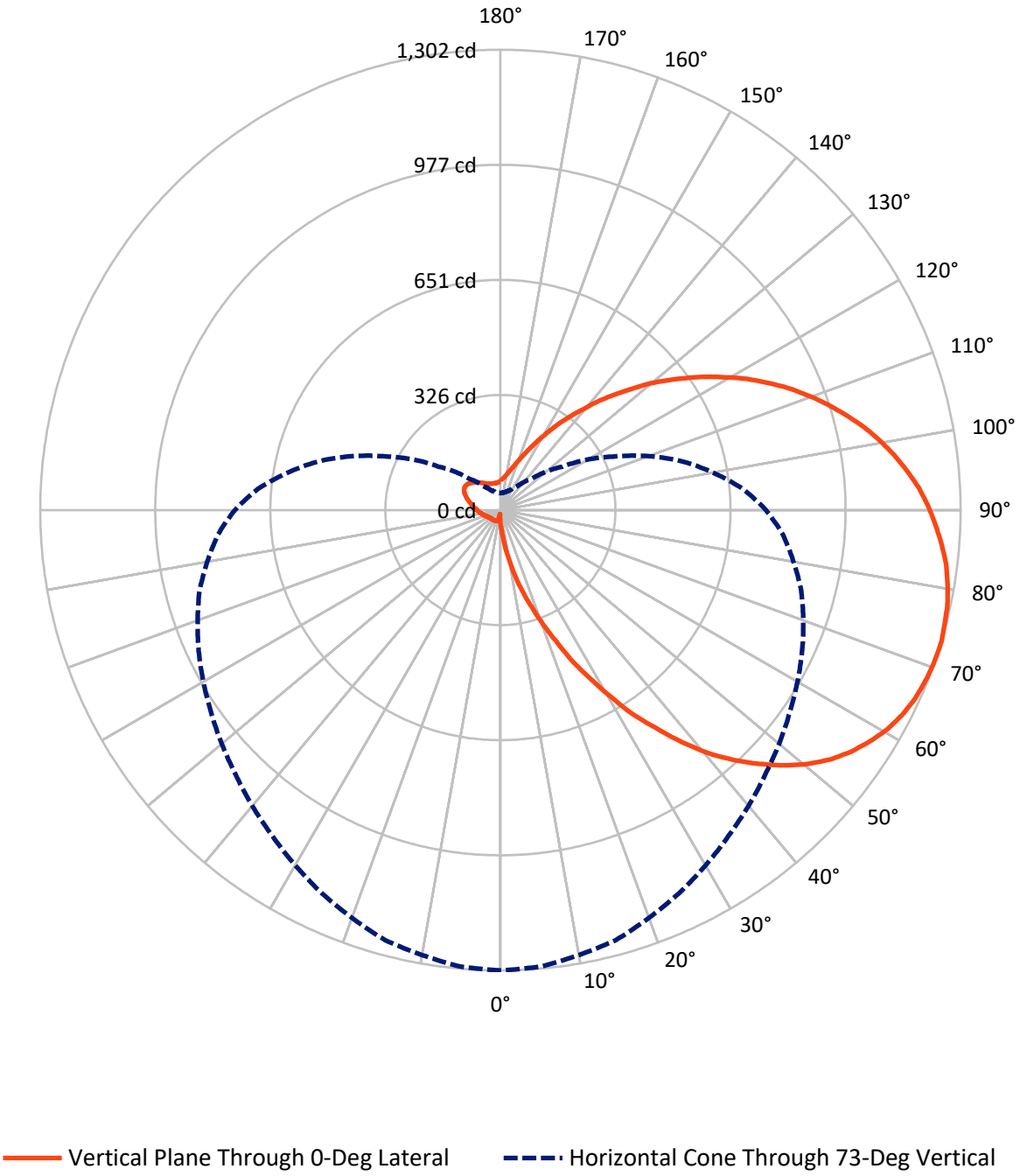
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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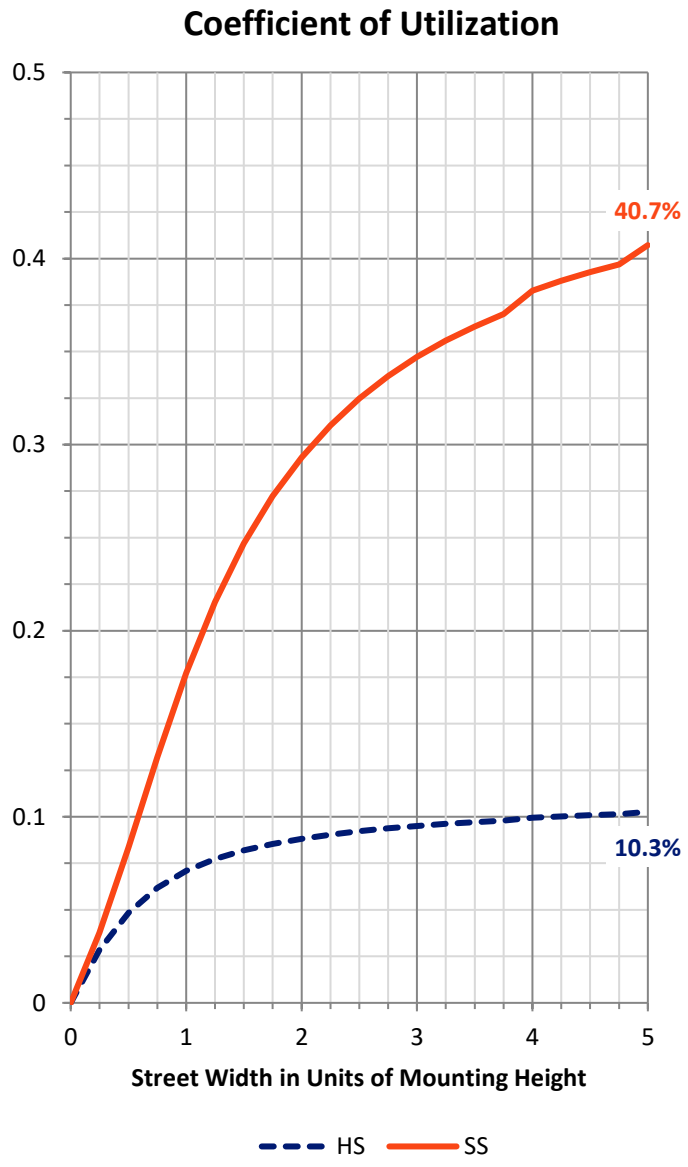
REPORT NUMBER: P1224018
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.4	645.0	1301.4
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	2767.6	1857.3	4624.8
	% Fixture	46.7	31.3	78.0
Total	Lumens	3424.0	2502.3	5926.2
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	42.0	0.7
20°-30°	126.9	2.1
30°-40°	264.3	4.5
40°-50°	418.9	7.1
50°-60°	550.2	9.3
60°-70°	641.0	10.8
70°-80°	687.1	11.6
80°-90°	687.6	11.6
90°-100°	644.8	10.9
100°-110°	567.2	9.6
110°-120°	468.4	7.9
120°-130°	352.6	5.9
130°-140°	232.7	3.9
140°-150°	133.4	2.3
150°-160°	66.2	1.1
160°-170°	28.9	0.5
170°-180°	8.1	0.1
0°-90°	3424.0	57.8
0°-180°	5926.2	100.0



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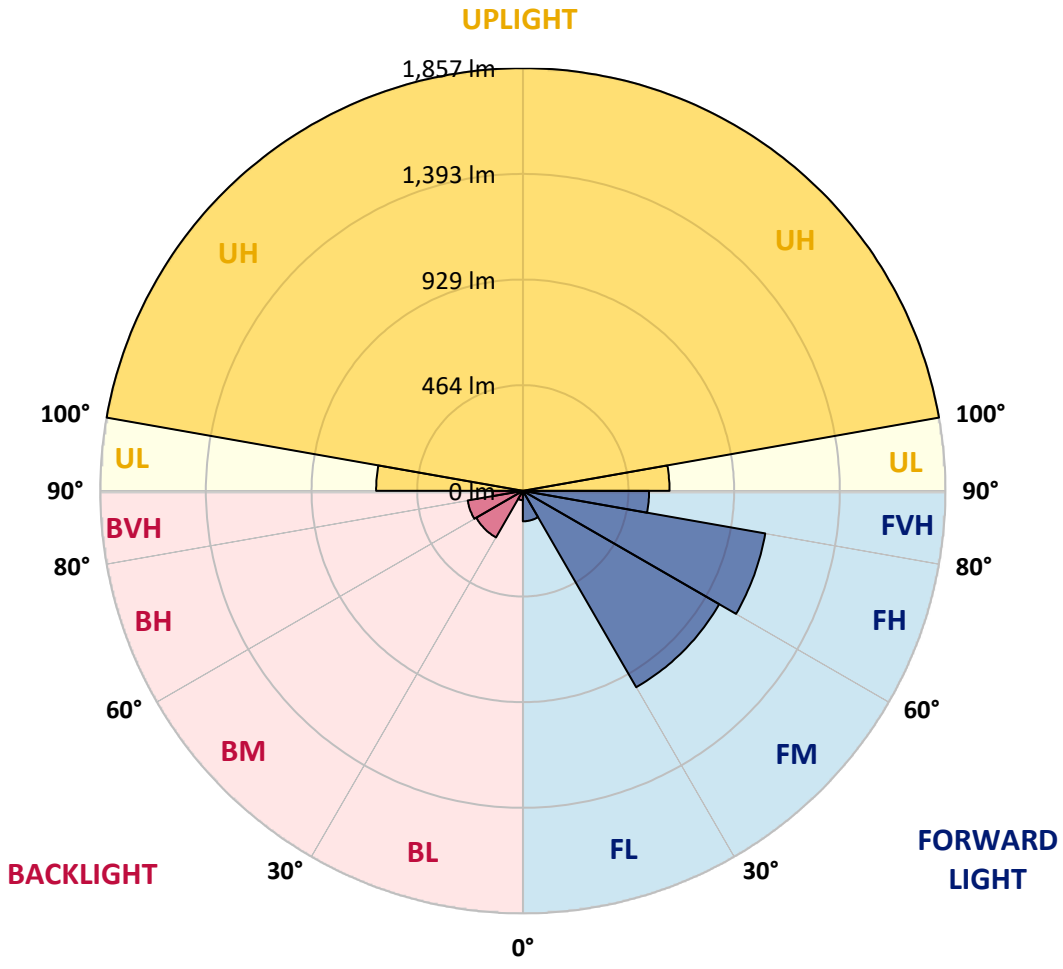
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	134.0	2.3			
FM	(30°-60°)	996.8	16.8			
FH	(60°-80°)	1081.9	18.3			G1/1800
FVH	(80°-90°)	554.9	9.4			G4/750
BL	(0°-30°)	41.0	0.7	B0/110		
BM	(30°-60°)	236.5	4.0	B1/1000		
BH	(60°-80°)	246.2	4.2	B1/500		G1/500
BVH	(80°-90°)	132.7	2.2			G2/225
UL	(90°-100°)	644.8	10.9		U4/1000	
UH	(100°-180°)	1857.5	31.3		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°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	53.5	53.9	53.5	54.3	52.2	52.2	50.6	49.0	47.0	44.6	42.9
5°	79.4	79.0	79.0	79.4	78.2	74.5	70.5	64.8	59.9	54.7	51.8
7.5°	114.2	112.6	111.0	110.6	106.5	101.3	95.6	89.1	82.2	74.9	69.7
10°	150.7	151.9	150.3	145.8	141.0	134.9	127.6	118.7	109.8	99.6	93.6
12.5°	197.7	194.4	190.4	185.9	181.1	175.4	163.6	153.5	141.0	128.4	120.3
15°	243.4	240.6	240.6	234.9	227.2	218.7	207.8	195.2	177.8	158.0	150.7
17.5°	290.4	290.8	286.8	280.3	273.4	262.5	250.7	232.9	215.1	194.4	181.9
20°	345.5	343.9	341.0	336.2	324.0	314.3	299.7	279.9	255.6	230.5	215.1
22.5°	402.6	403.4	403.4	395.7	384.4	371.0	354.4	331.7	303.0	270.6	251.9
25°	473.9	473.5	465.8	456.9	448.0	434.2	413.1	385.6	354.0	315.1	293.2
27.5°	538.7	538.3	536.7	528.6	515.2	497.4	472.7	442.7	406.7	360.1	334.2
30°	610.8	612.4	608.0	601.1	583.7	565.4	536.7	501.4	458.9	408.7	379.5
32.5°	689.0	685.7	682.1	673.2	654.1	628.6	596.2	559.8	513.2	455.7	423.7
35°	756.6	762.7	757.0	743.2	719.7	692.6	657.0	616.1	565.4	503.9	467.4
37.5°	832.8	831.5	823.0	809.7	787.0	752.6	714.9	667.5	610.8	546.8	506.3
40°	903.6	898.8	893.9	874.1	845.3	810.9	764.3	716.1	657.8	585.7	544.8
42.5°	966.4	966.0	953.0	933.2	897.2	859.1	810.9	757.0	696.3	621.7	575.6
45°	1024.3	1023.1	1010.6	981.0	947.0	901.2	851.0	795.1	731.1	652.5	608.4
47.5°	1079.0	1075.8	1058.4	1028.4	985.5	937.3	885.4	826.7	760.7	680.1	633.9
50°	1128.8	1126.0	1105.7	1067.7	1021.9	970.5	913.8	853.0	788.6	707.6	657.8
52.5°	1171.4	1166.5	1143.0	1102.1	1049.9	995.6	936.4	875.7	810.5	727.0	678.8
55°	1205.4	1200.1	1175.0	1129.2	1074.6	1015.8	955.9	895.5	827.5	744.5	695.0
57.5°	1233.7	1229.7	1202.1	1151.9	1093.6	1033.2	972.5	910.9	843.3	760.7	709.2
60°	1258.4	1253.6	1222.4	1170.6	1109.0	1046.6	984.6	923.1	856.7	773.2	722.2
62.5°	1275.9	1272.2	1239.4	1183.9	1119.9	1056.7	992.7	933.2	866.8	784.6	731.9
65°	1288.4	1284.0	1250.8	1192.0	1126.8	1061.6	998.8	937.7	873.3	791.4	739.2
67.5°	1295.7	1292.5	1257.6	1197.7	1129.6	1064.0	1001.7	942.1	878.5	797.1	744.9
70°	1300.6	1295.7	1260.5	1198.9	1128.8	1063.6	1001.7	942.5	881.4	801.2	748.1
72.5°	1301.8	1296.5	1260.1	1196.9	1126.4	1059.6	999.6	942.9	882.2	803.2	751.3
73°	1302.2	1296.5	1259.7	1196.1	1125.2	1059.2	999.2	942.1	881.4	802.8	751.3
75°	1297.7	1294.1	1256.4	1191.2	1121.1	1055.1	996.4	940.1	881.4	803.2	750.9
77.5°	1293.3	1287.6	1248.3	1184.3	1111.8	1047.8	990.3	936.0	878.5	802.4	750.5
80°	1282.7	1277.1	1237.8	1171.4	1100.1	1037.3	981.8	929.6	873.3	797.9	747.3
82.5°	1270.6	1264.1	1223.2	1156.4	1085.9	1023.9	970.9	921.1	866.4	792.7	742.4
85°	1252.8	1247.9	1206.2	1138.2	1069.7	1010.2	958.3	910.9	857.5	784.6	735.1
87.5°	1232.1	1228.1	1184.7	1117.5	1049.0	992.3	943.7	897.6	847.3	775.6	727.0
90°	1210.7	1205.8	1162.5	1094.0	1028.8	972.9	926.7	883.4	834.8	764.7	716.5
92.5°	1185.9	1180.3	1136.5	1070.1	1006.5	953.0	910.1	867.6	820.6	752.2	705.6
95°	1156.0	1150.7	1107.4	1040.9	978.6	930.0	888.2	849.0	804.0	737.2	692.2
97.5°	1124.0	1119.1	1075.4	1011.8	951.4	903.6	864.8	829.1	786.2	722.6	677.2
100°	1089.5	1083.1	1039.7	978.6	919.0	875.7	840.9	808.9	766.7	704.4	661.0
102.5°	1053.1	1047.0	1005.7	945.8	889.9	847.7	816.1	785.0	746.5	687.8	645.2
105°	1011.8	1008.5	966.8	908.9	856.7	817.8	788.2	761.1	724.6	667.5	628.6
107.5°	970.9	964.4	925.5	870.0	821.0	785.8	760.3	735.1	701.9	647.2	610.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*927.5*	921.1	886.2	833.2	787.8	754.2	730.7	708.4	678.4	627.4	592.6
112.5°	*883.8*	876.5	842.1	793.5	749.3	721.8	700.3	681.7	654.5	607.6	573.1
115°	*836.4*	833.6	799.9	753.4	714.5	688.6	669.9	652.9	627.4	586.1	554.5
117.5°	*789.8*	784.6	755.4	712.5	676.4	652.1	637.9	622.9	599.9	561.0	533.4
120°	*739.6*	738.4	710.4	670.3	636.7	617.7	603.9	591.4	571.1	535.9	509.9
122.5°	*692.2*	689.8	663.0	627.0	599.0	581.2	570.3	559.4	541.9	509.1	484.8
125°	*642.0*	639.1	618.1	588.5	561.8	544.8	534.2	525.7	509.9	480.4	457.7
127.5°	*595.4*	592.6	573.5	545.2	524.1	508.7	499.0	491.3	475.5	450.0	430.1
130°	*549.2*	544.4	527.8	505.1	484.0	473.5	463.8	458.1	441.9	418.0	400.6
132.5°	*499.8*	497.4	485.6	464.6	447.6	436.6	428.1	420.8	408.3	386.4	370.6
135°	*456.1*	453.6	442.7	424.9	413.1	403.0	395.3	387.6	374.7	353.6	340.2
137.5°	*414.4*	412.3	402.6	390.5	375.5	369.4	364.1	354.8	343.5	324.4	312.3
140°	*370.6*	371.4	363.7	352.8	343.5	336.2	330.9	323.2	311.9	295.7	283.5
142.5°	*334.6*	335.8	326.5	318.8	310.3	304.6	299.3	292.8	281.9	267.3	258.0
145°	*300.5*	297.7	294.1	286.8	278.7	275.0	269.8	264.1	255.6	241.0	233.3
147.5°	*266.1*	265.3	261.7	256.8	250.3	244.6	240.6	237.4	228.8	216.7	209.8
150°	*234.9*	234.1	232.1	228.4	222.8	219.1	215.9	211.4	203.3	194.0	187.9
152.5°	*207.4*	207.4	206.2	201.3	198.9	194.8	190.8	188.3	180.2	172.5	167.3
155°	*183.5*	183.5	181.9	179.4	175.0	172.5	170.1	166.5	160.8	154.7	149.9
157.5°	*162.8*	163.2	161.2	159.2	155.9	153.9	151.5	147.8	144.2	138.5	134.9
160°	*144.6*	145.0	144.2	142.6	139.3	137.3	135.3	132.4	129.2	124.8	121.5
162.5°	*130.0*	129.6	128.8	127.2	125.2	123.9	121.5	119.5	116.7	113.4	110.6
165°	*118.7*	117.5	117.1	115.8	113.8	112.6	110.6	109.0	106.9	103.7	102.5
167.5°	*108.5*	108.5	107.7	106.9	105.3	103.7	102.1	100.9	99.2	97.2	95.6
170°	*100.4*	100.4	99.6	98.8	97.2	96.4	95.2	94.0	92.8	91.1	90.3
172.5°	*94.0*	94.0	93.6	92.3	91.5	90.3	89.9	88.7	87.5	86.7	85.9
175°	*89.1*	89.1	88.3	87.5	86.7	85.9	85.1	84.7	84.2	83.4	83.0
177.5°	*85.5*	85.1	84.7	83.8	83.0	82.6	82.2	81.8	81.8	81.4	81.0
180°	*80.6*	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	41.3	37.7	33.6	30.0	27.9	25.1	23.5	22.7	23.5	22.3
5°	49.0	42.5	36.0	31.2	25.9	21.9	18.2	14.6	12.2	11.7
7.5°	65.2	57.9	49.0	40.9	33.6	27.1	21.5	17.0	13.8	13.4
10°	86.3	75.3	64.0	52.7	42.1	33.6	26.7	21.9	20.3	19.8
12.5°	112.6	96.8	81.0	66.0	53.1	41.7	34.0	28.8	26.3	25.9
15°	140.1	120.3	100.0	80.6	63.2	49.4	39.7	34.0	31.2	30.8
17.5°	169.7	143.8	116.2	93.6	72.9	56.3	44.1	36.5	33.2	32.4
20°	199.7	167.3	135.7	106.1	81.0	60.8	46.6	37.7	33.6	32.8
22.5°	233.3	194.4	155.1	118.3	88.3	65.2	48.6	38.5	34.0	33.2
25°	271.4	222.0	175.4	132.4	96.4	69.3	50.6	39.7	34.4	33.6
27.5°	310.3	252.7	196.0	145.0	103.3	72.1	52.2	40.1	34.8	34.0
30°	349.5	283.5	217.1	157.2	109.4	75.3	53.1	40.5	34.8	34.4
32.5°	390.5	312.3	237.4	168.5	114.6	77.4	53.9	40.9	35.2	34.4
35°	427.3	342.7	256.4	179.4	119.5	79.0	54.3	40.9	35.2	34.4
37.5°	462.6	368.6	273.8	188.3	123.1	80.2	54.7	40.9	35.2	34.4
40°	499.4	396.1	289.6	196.4	126.0	81.0	54.7	40.9	35.2	34.8
42.5°	529.4	419.2	303.0	202.1	128.0	81.0	54.7	40.9	35.6	34.8
45°	556.5	438.2	315.9	207.4	129.2	81.0	54.3	41.3	35.6	35.2
47.5°	580.0	457.3	325.6	211.0	129.6	81.0	54.3	41.3	36.0	35.6
50°	601.9	472.7	334.2	213.9	130.0	80.6	54.3	41.7	36.5	35.6
52.5°	620.5	485.2	341.0	215.5	129.2	79.8	54.3	42.1	37.3	36.5
55°	636.3	497.0	345.9	216.3	128.4	79.4	54.3	42.5	37.7	37.3
57.5°	649.3	506.3	350.4	216.7	127.6	79.0	54.7	43.3	38.9	38.5
60°	661.0	514.0	353.6	216.7	126.8	78.6	55.1	44.1	39.7	39.3
62.5°	670.3	520.1	356.0	216.3	126.4	78.6	55.9	45.4	40.9	40.5
65°	676.8	524.5	357.2	215.5	125.6	79.0	56.7	46.6	42.5	42.1
67.5°	682.9	528.6	358.1	215.1	125.2	79.4	57.9	48.2	44.1	43.7
70°	686.5	531.0	358.5	214.7	124.8	80.2	59.1	49.8	46.2	45.8
72.5°	688.2	532.6	358.9	213.9	125.2	81.0	60.8	51.4	48.2	47.8
73°	*688.6*	*532.6*	*358.5*	*213.9*	*125.2*	*81.4*	*61.2*	*52.2*	*48.6*	*48.2*
75°	689.4	532.6	358.1	213.5	125.6	82.2	62.4	53.9	50.2	50.2
77.5°	688.2	531.8	357.2	213.0	126.0	83.8	64.4	55.9	52.7	52.2
80°	685.7	529.8	356.0	213.0	126.8	85.5	66.8	58.3	55.1	54.7
82.5°	680.5	526.1	354.4	212.6	128.0	87.5	69.3	60.8	57.9	57.5
85°	675.2	521.7	352.0	212.6	129.6	89.9	71.7	63.6	60.8	60.4
87.5°	667.1	516.4	349.5	212.2	131.2	91.9	74.1	66.4	63.2	63.2
90°	657.8	510.8	347.1	212.6	132.9	94.8	77.4	69.7	66.4	66.0
92.5°	648.5	504.3	344.3	213.5	135.7	97.6	80.6	72.9	69.7	68.9
95°	635.9	495.4	341.0	213.9	138.1	100.9	83.8	76.1	72.9	72.9
97.5°	622.9	487.3	337.4	215.1	141.4	104.9	88.3	80.2	77.0	77.0
100°	609.2	478.8	335.0	216.3	144.6	109.4	92.3	84.2	81.0	81.0
102.5°	594.6	469.4	332.5	218.7	149.5	113.8	97.2	89.1	85.5	85.5
105°	579.6	460.5	330.1	221.6	154.3	119.5	102.5	94.4	90.7	90.7
107.5°	565.0	452.0	328.1	225.2	159.6	125.2	107.7	99.6	96.0	95.2

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

Scaled Data Report

REPORT NUMBER: P1224018
CATALOG NUMBER: FFX-CLB-50-722-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	549.6	443.1	326.5	228.8	165.7	131.6	114.2	104.9	100.9	100.9
112.5°	533.0	433.8	325.2	232.5	172.1	138.1	119.9	110.6	106.5	105.7
115°	515.6	424.5	322.8	236.5	177.8	144.6	126.0	115.4	111.0	110.6
117.5°	498.6	413.5	320.0	239.4	183.1	149.9	130.8	120.3	115.4	115.0
120°	478.8	401.4	315.1	240.2	187.1	153.9	134.9	123.5	118.7	117.9
122.5°	456.9	385.6	308.2	239.4	189.2	156.7	137.3	126.0	120.3	119.9
125°	432.2	368.2	299.3	236.5	189.6	158.0	138.1	126.4	121.1	120.3
127.5°	406.3	350.8	287.6	230.9	187.1	157.2	137.3	125.6	119.9	119.5
130°	379.5	330.1	273.8	223.6	183.1	154.3	135.3	123.5	117.9	117.5
132.5°	352.8	308.2	258.8	213.9	177.4	149.9	131.6	120.3	115.0	114.2
135°	324.0	286.8	243.4	203.7	169.7	145.0	127.2	116.2	111.0	110.6
137.5°	297.7	264.5	227.6	192.4	162.4	138.5	122.3	112.2	107.7	106.9
140°	271.8	243.0	210.6	180.2	153.1	132.0	116.7	107.7	103.3	102.9
142.5°	247.9	223.2	195.6	168.5	144.6	125.6	111.8	103.3	99.6	98.8
145°	223.2	202.5	179.8	156.3	135.3	118.7	106.5	98.8	95.6	94.8
147.5°	201.7	183.5	164.0	144.2	126.8	111.8	101.3	94.8	91.9	91.5
150°	181.5	166.1	149.1	132.9	117.5	105.3	96.4	90.7	88.3	87.9
152.5°	163.2	149.9	136.1	122.3	109.4	99.6	91.9	87.1	85.1	85.1
155°	146.2	135.3	124.3	113.0	102.9	94.8	88.7	84.7	83.0	82.6
157.5°	131.6	123.1	114.2	104.9	97.2	90.3	85.5	82.6	81.0	81.0
160°	119.1	112.6	105.3	98.4	92.3	86.7	83.0	80.6	79.4	79.4
162.5°	109.0	103.7	98.0	92.8	87.5	83.8	81.0	79.4	78.6	78.6
165°	100.4	96.8	92.8	88.3	84.7	81.8	79.8	78.6	78.2	78.2
167.5°	94.4	91.1	87.9	85.1	82.6	80.2	79.0	78.2	78.2	77.8
170°	89.1	87.1	84.2	82.2	80.2	79.0	78.2	77.8	77.8	77.4
172.5°	85.1	83.4	81.8	80.2	79.0	78.2	77.8	77.8	77.8	77.8
175°	82.6	81.4	80.2	79.4	78.6	77.8	77.8	78.2	78.2	78.2
177.5°	80.6	80.2	79.4	79.0	78.6	78.6	78.6	79.0	79.4	79.4
180°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

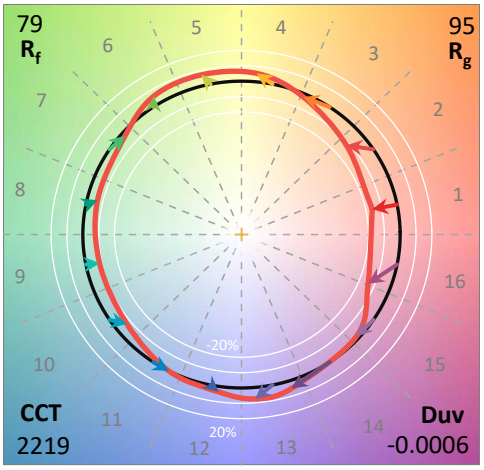
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

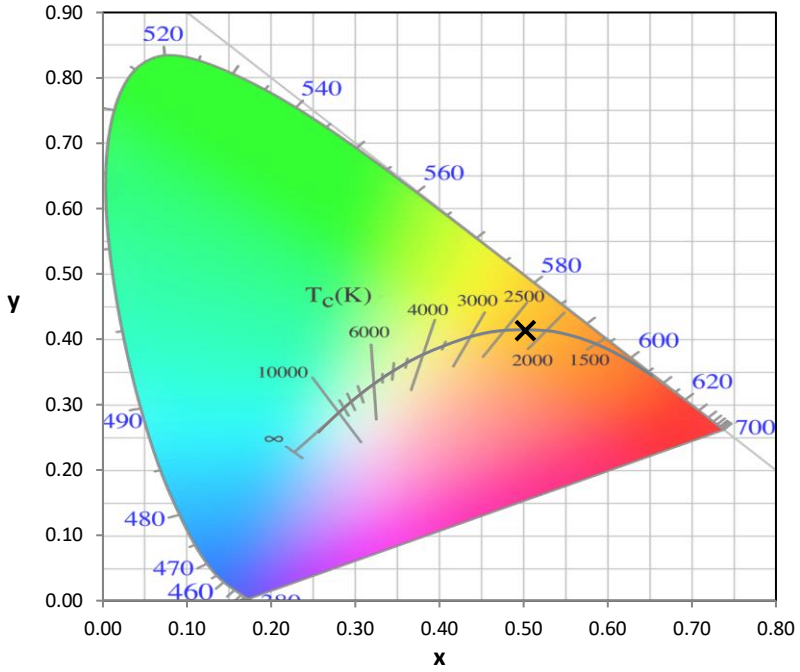
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

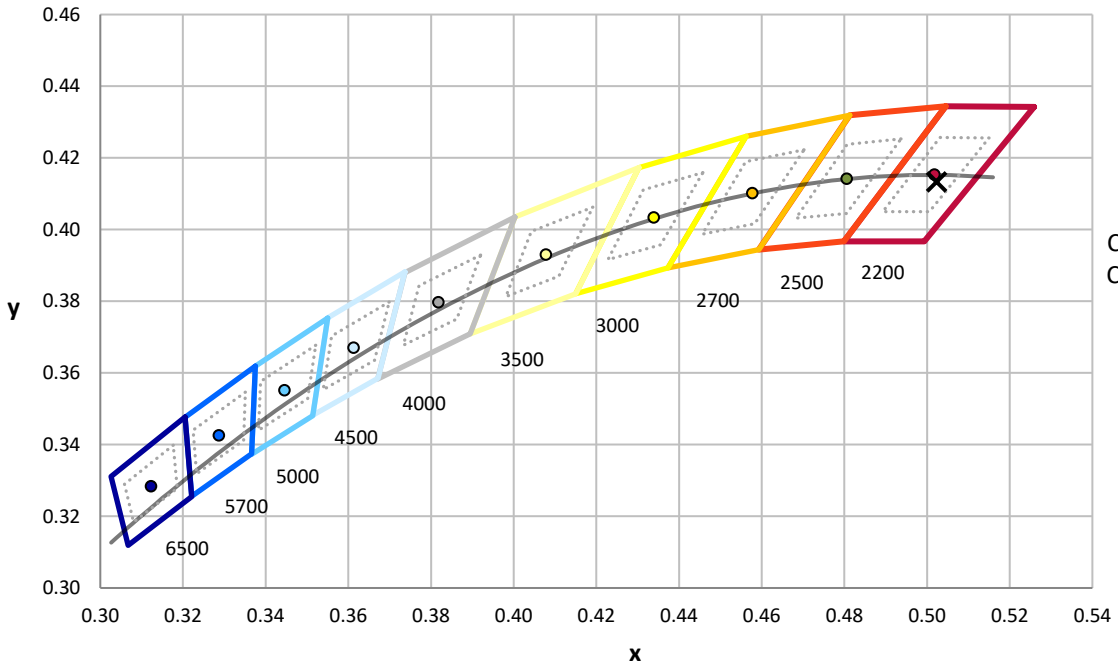
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

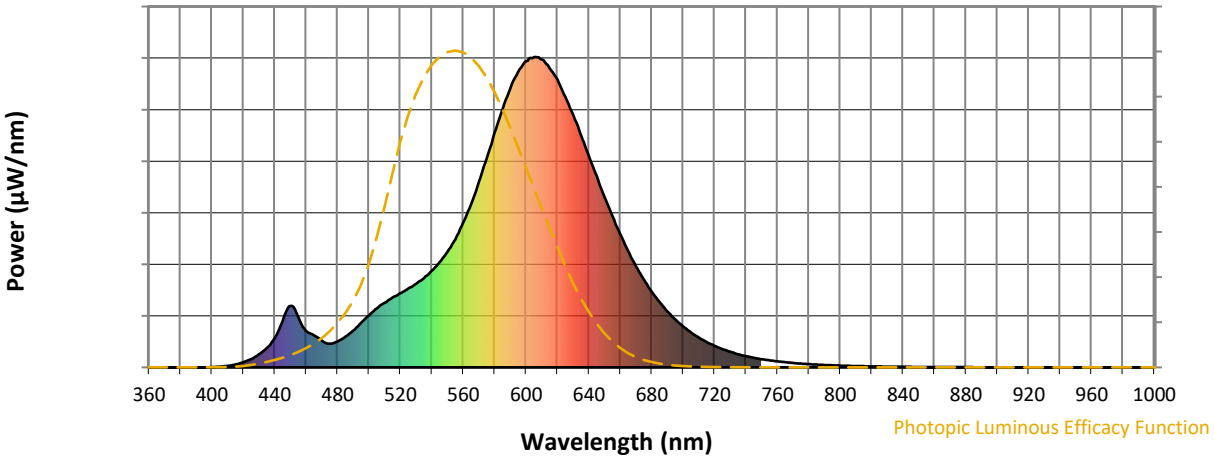


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

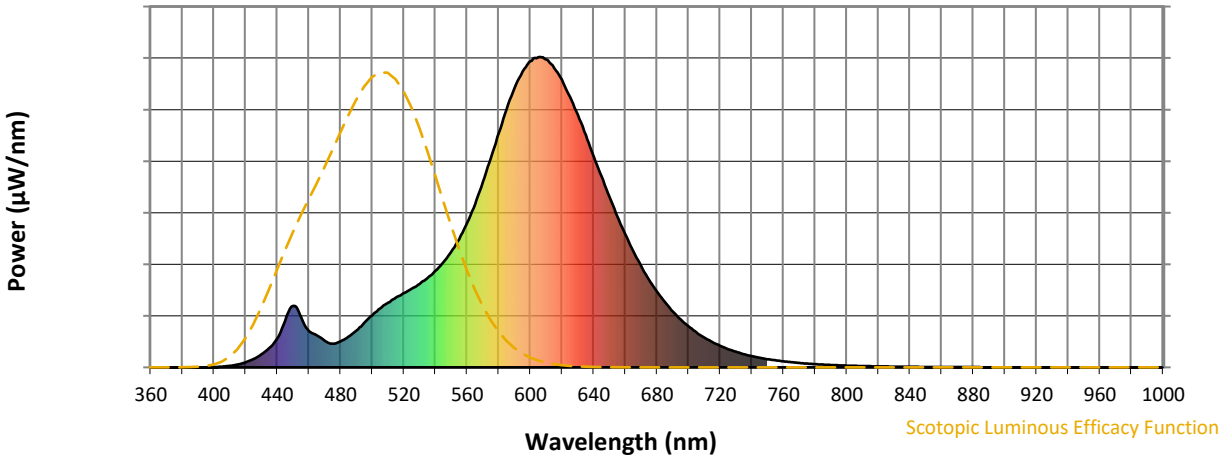


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

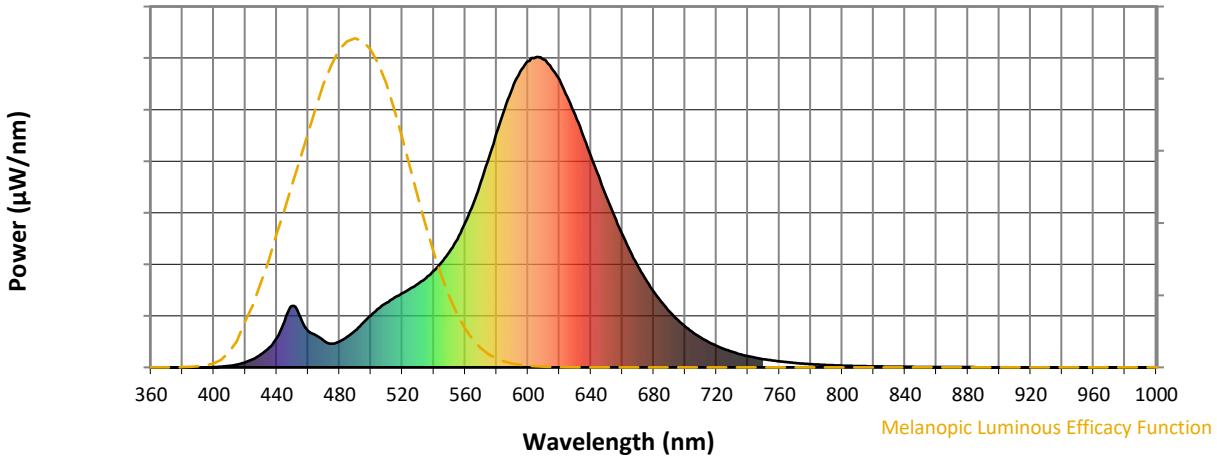


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

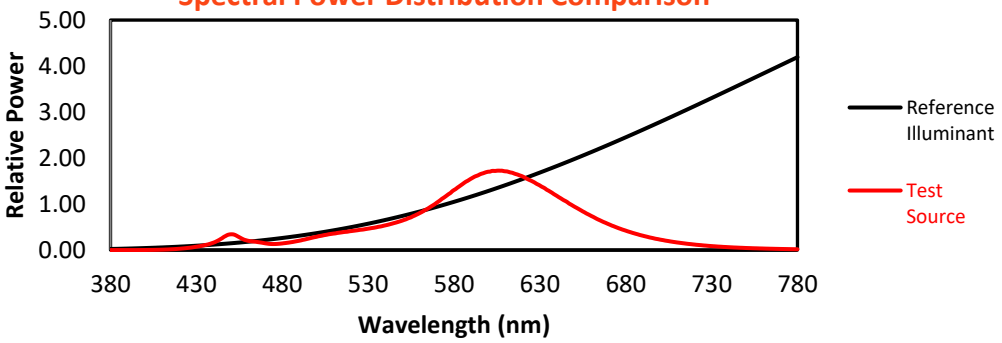
REPORT NUMBER: SP1-2501-332-2

TM-30-18

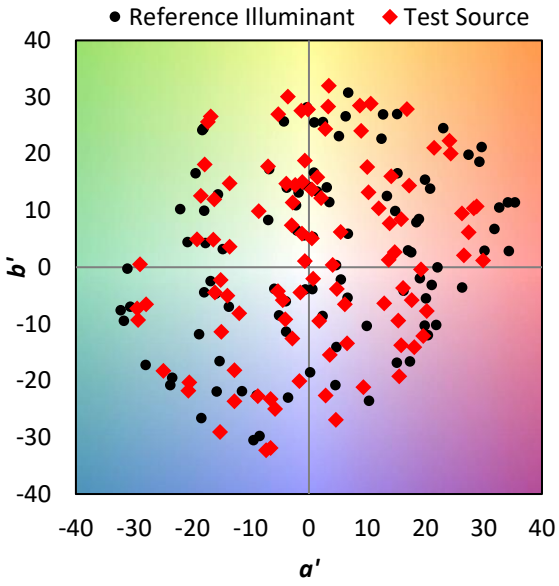
Summary

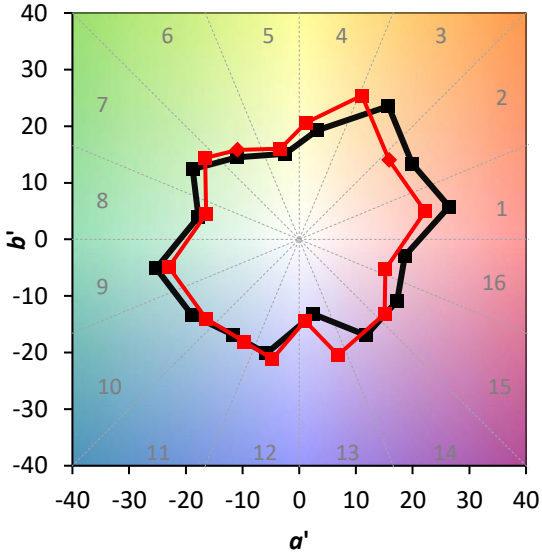
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

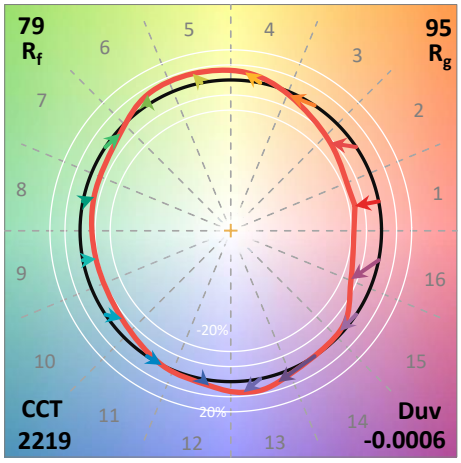
Spectral Power Distribution Comparison

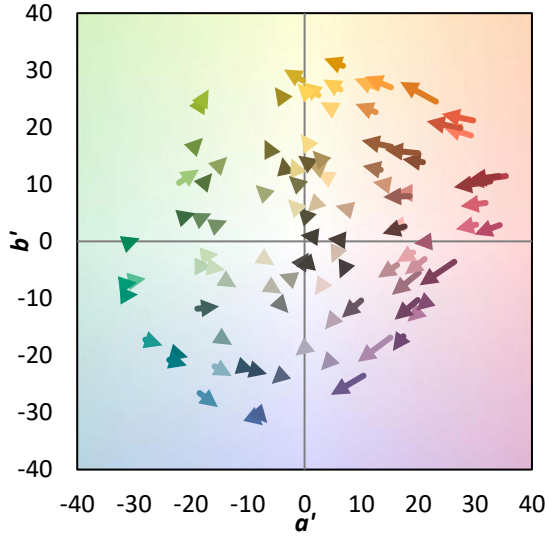


Color Vector Graphics







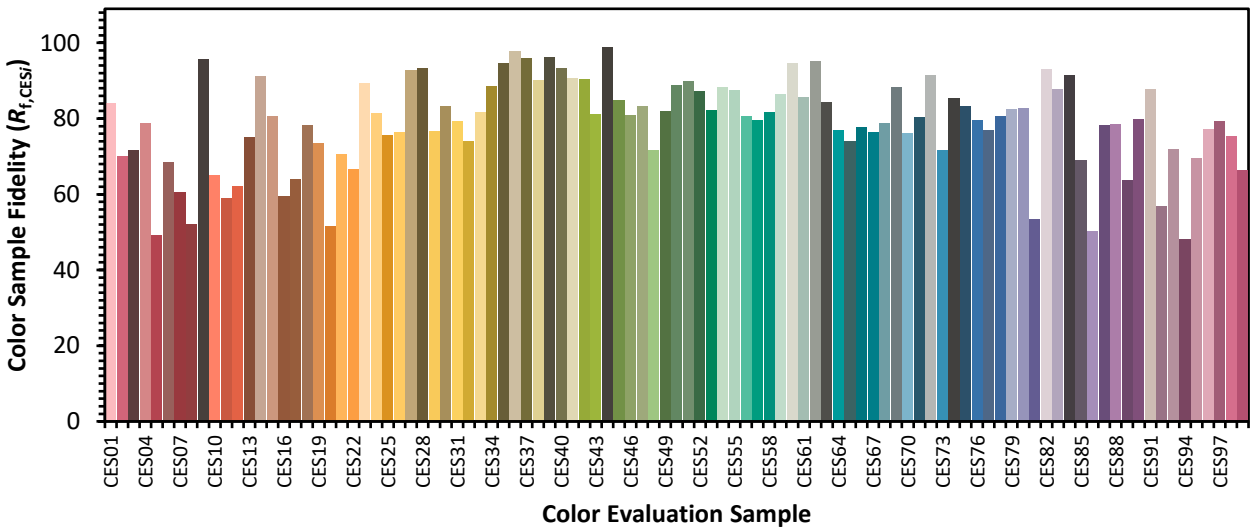


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

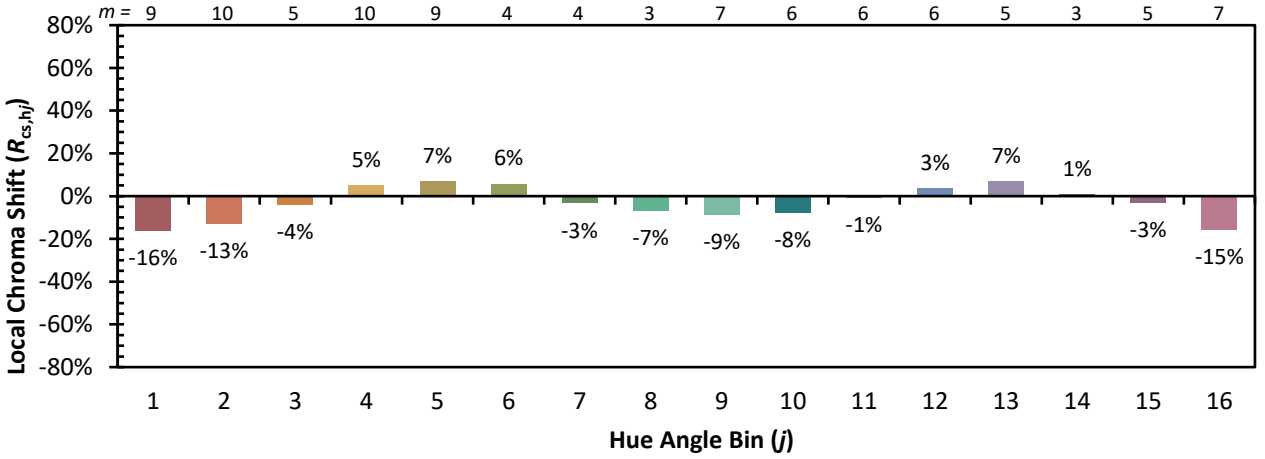
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

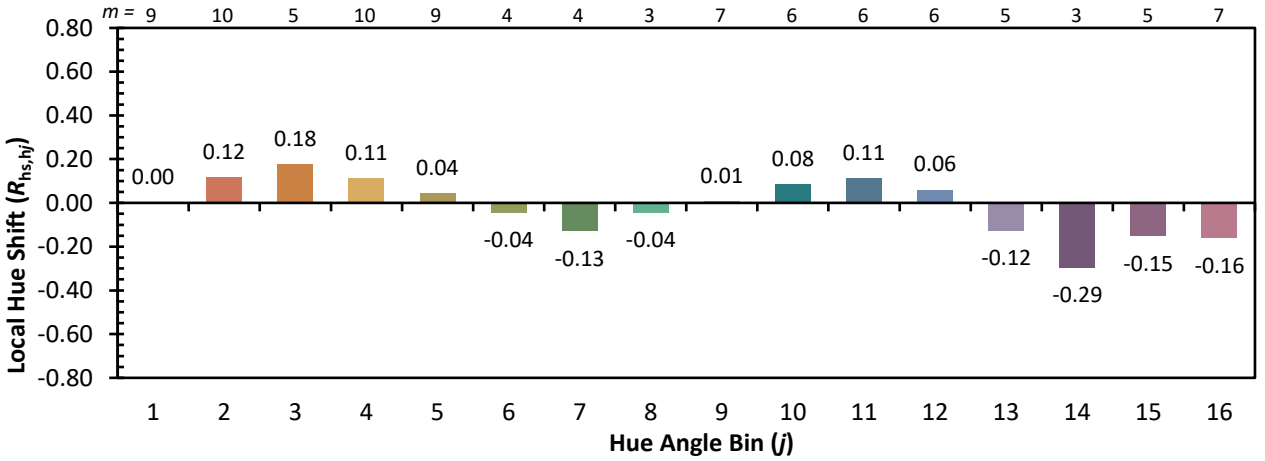


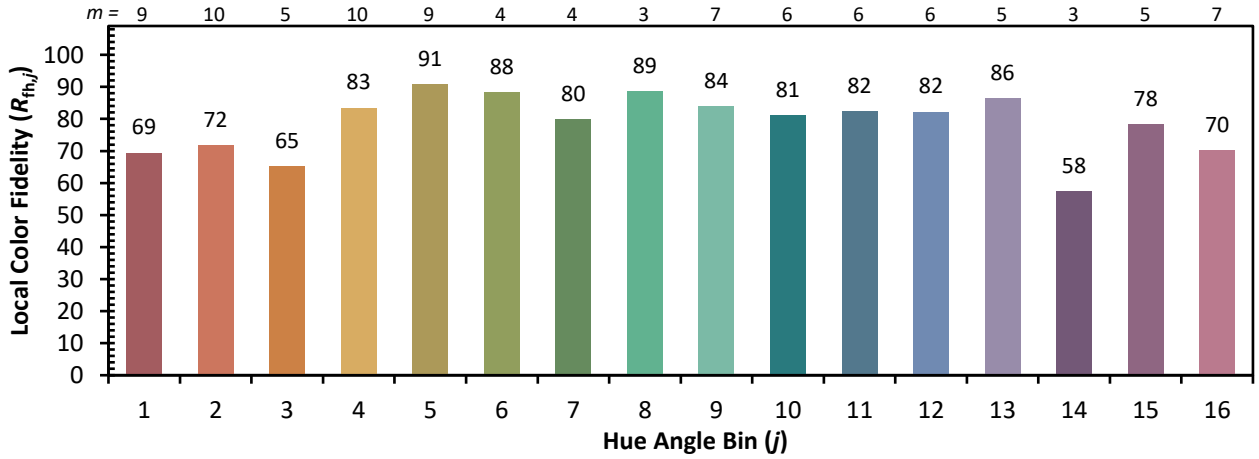
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Color Rendition by Hue-Angle Bin



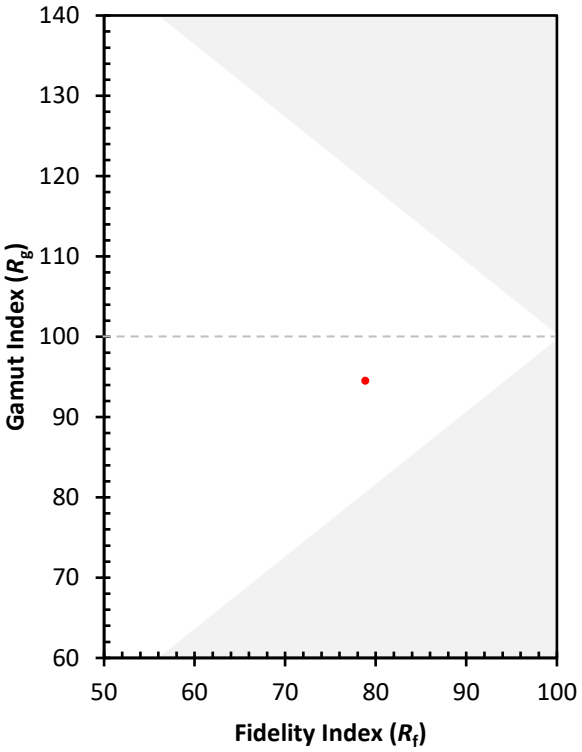


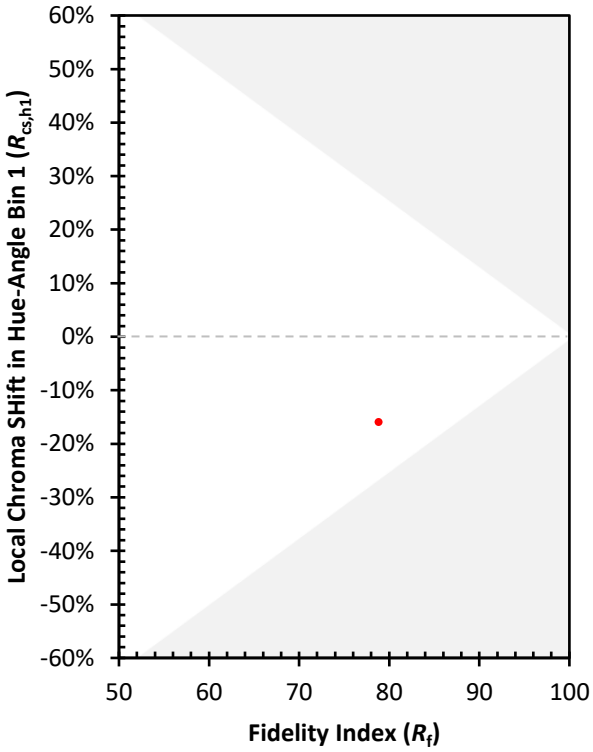


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Measure Comparisons





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