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: P1223892

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

Issue Date: 01/27/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223892
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
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7246 lumens
Efficiency:	N/A
Efficacy:	143.2 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

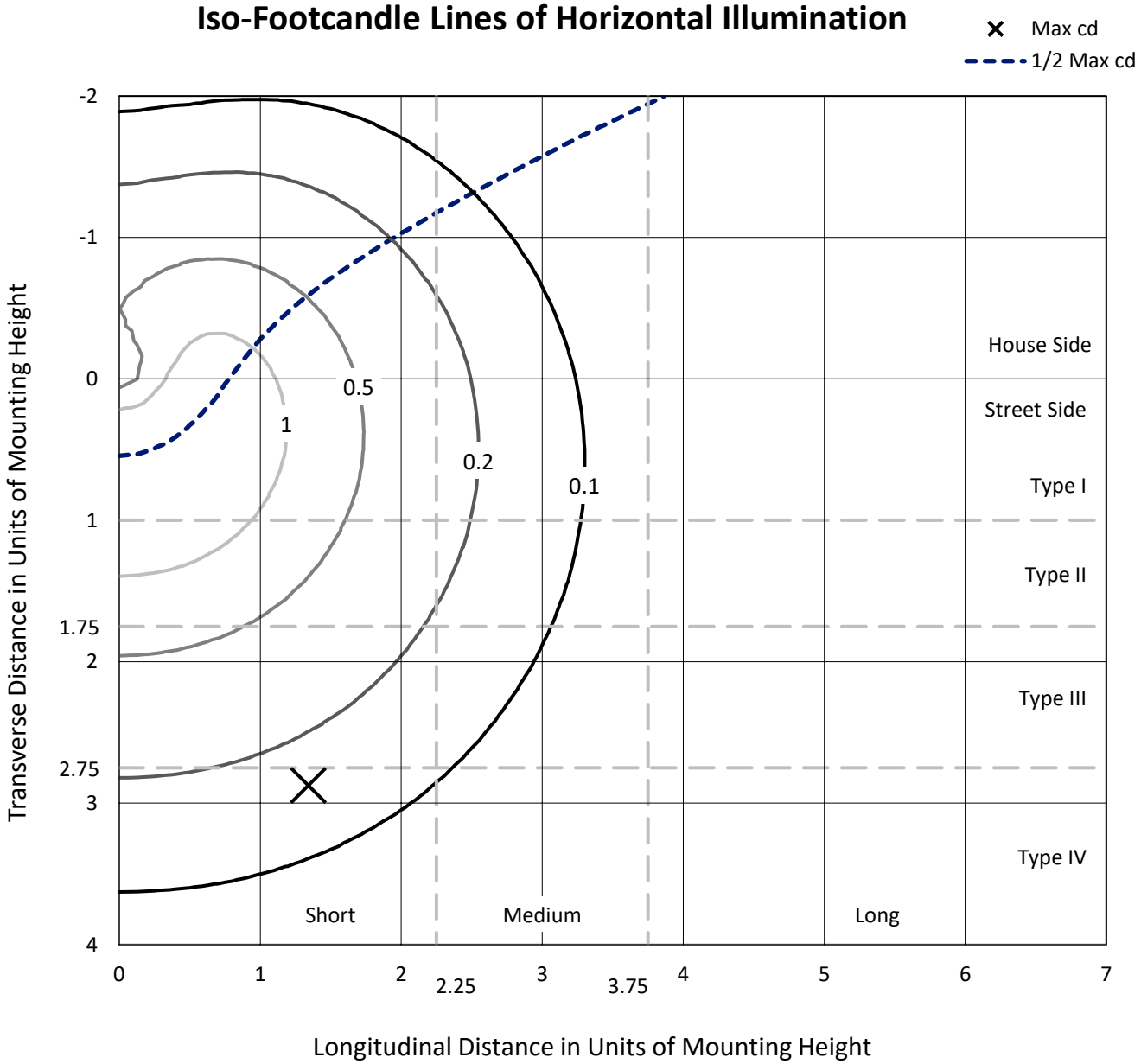


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Iso-Footcandle Lines of Horizontal Illumination



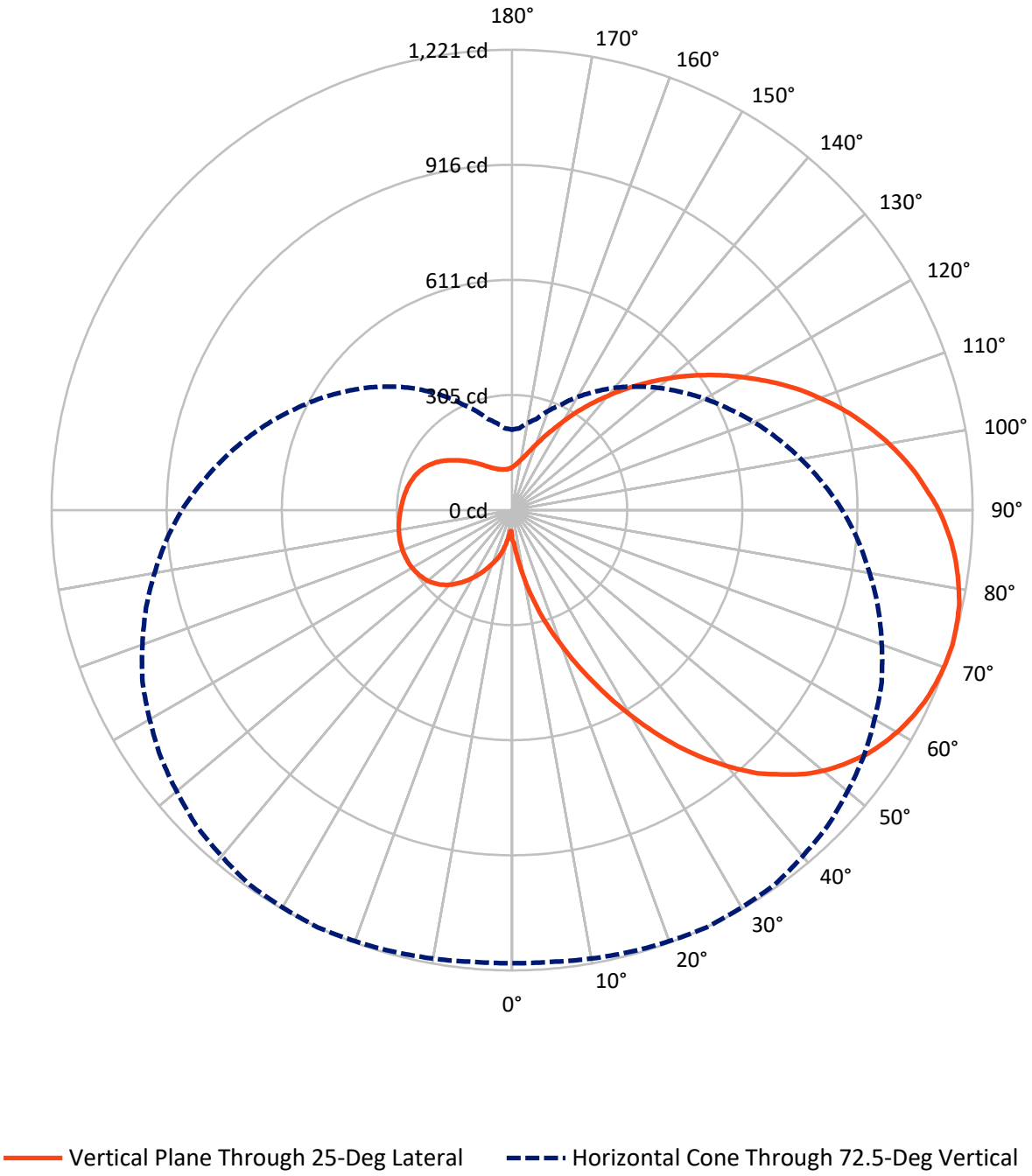
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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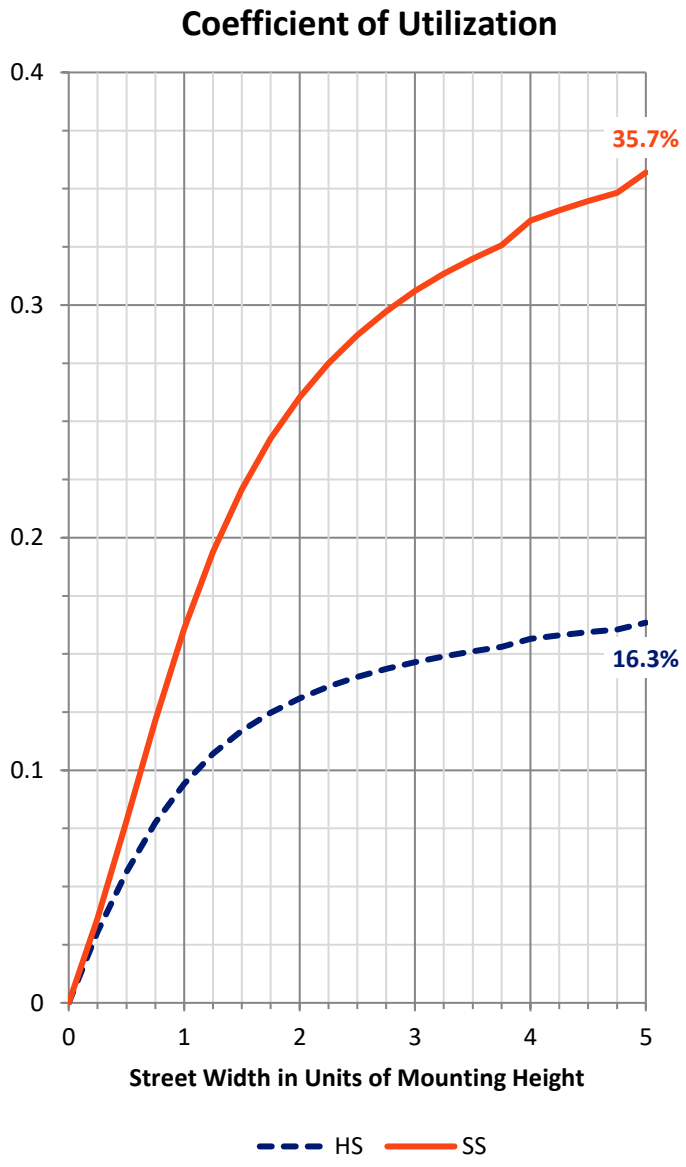
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1305.5	999.0	2304.6
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	2952.7	1988.7	4941.4
	% Fixture	40.7	27.4	68.2
Total	Lumens	4258.2	2987.8	7246.0
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	61.5	0.8
20°-30°	167.6	2.3
30°-40°	332.1	4.6
40°-50°	518.4	7.2
50°-60°	679.5	9.4
60°-70°	792.9	10.9
70°-80°	850.8	11.7
80°-90°	845.2	11.7
90°-100°	784.1	10.8
100°-110°	682.8	9.4
110°-120°	552.5	7.6
120°-130°	406.7	5.6
130°-140°	269.0	3.7
140°-150°	159.1	2.2
150°-160°	83.7	1.2
160°-170°	38.7	0.5
170°-180°	11.2	0.2
0°-90°	4258.2	58.8
0°-180°	7246.0	100.0



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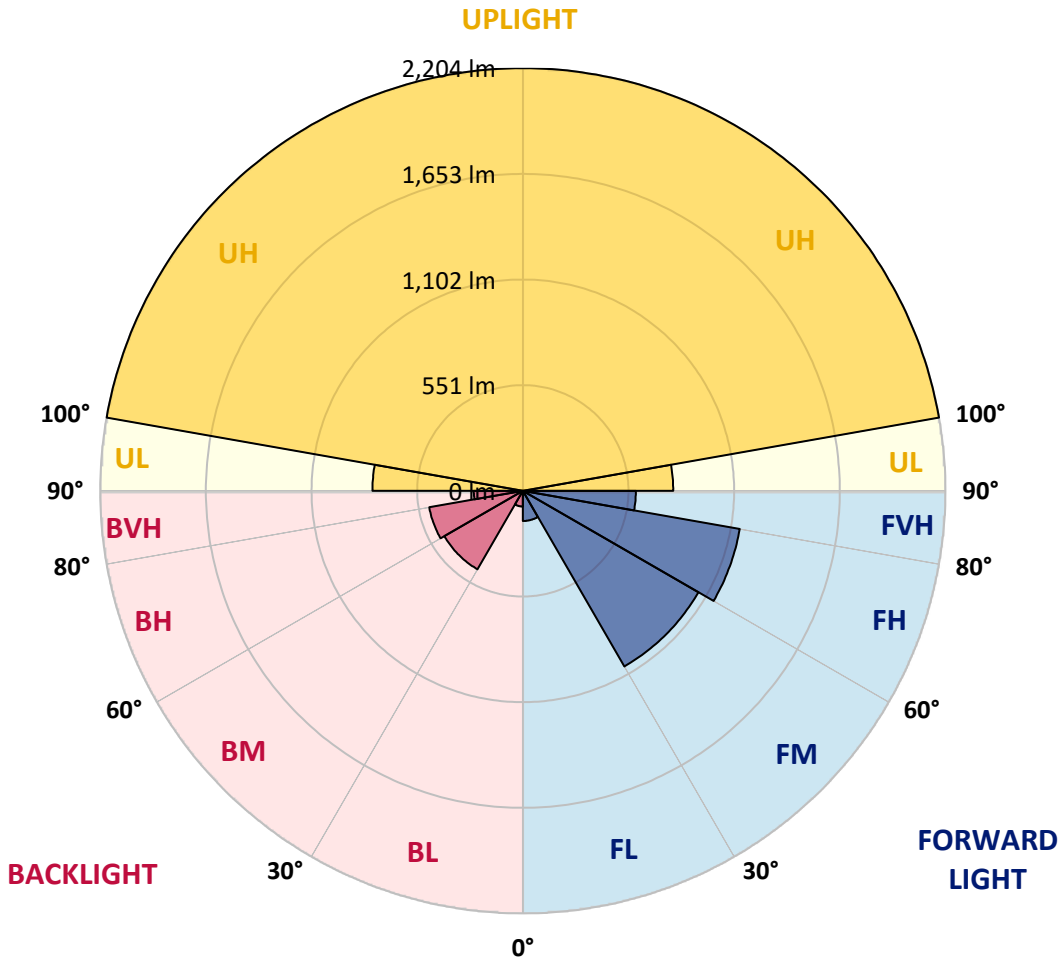
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	157.4	2.2			
FM	(30°-60°)	1057.5	14.6			
FH	(60°-80°)	1148.6	15.9			G1/1800
FVH	(80°-90°)	589.2	8.1			G4/750
BL	(0°-30°)	82.0	1.1	B0/110		
BM	(30°-60°)	472.4	6.5	B1/1000		
BH	(60°-80°)	495.2	6.8	B1/500		G1/500
BVH	(80°-90°)	255.9	3.5			G3/500
UL	(90°-100°)	784.1	10.8		U4/1000	
UH	(100°-180°)	2203.7	30.4		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°	78.7	78.7	78.7	*78.7*	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2.5°	84.6	84.6	86.0	*86.5*	87.0	87.0	87.5	87.0	85.1	82.6	81.2
5°	115.4	114.4	113.9	*114.4*	114.4	112.4	109.5	104.1	100.2	93.9	91.4
7.5°	154.5	153.5	152.0	*150.6*	150.6	145.7	140.8	136.4	129.6	120.8	117.8
10°	200.0	198.0	196.0	*193.1*	189.7	185.3	178.9	171.6	162.3	153.0	147.2
12.5°	244.4	244.0	243.0	*238.6*	232.2	228.3	221.5	211.2	199.5	186.8	181.9
15°	295.8	293.3	291.9	*288.4*	284.5	276.7	265.5	255.7	242.0	224.4	218.5
17.5°	343.2	342.2	339.3	*338.3*	332.0	323.6	310.9	296.3	279.6	263.5	254.7
20°	395.0	397.5	394.0	*391.1*	379.9	371.6	359.8	345.6	325.6	302.6	293.3
22.5°	452.7	455.2	449.8	*449.8*	440.5	426.8	410.2	393.6	368.6	344.7	332.9
25°	519.7	520.7	512.4	*508.9*	502.1	488.4	468.4	448.8	420.0	389.6	376.0
27.5°	583.3	585.2	580.3	*575.9*	564.7	551.5	529.5	506.5	473.7	437.6	422.4
30°	655.1	651.2	649.3	*641.4*	629.7	616.0	591.6	566.1	528.5	486.0	467.4
32.5°	718.7	715.7	717.2	*710.9*	693.7	678.6	655.6	624.8	580.8	536.3	515.3
35°	784.2	785.7	783.7	*776.9*	766.6	746.5	715.3	680.5	636.5	584.2	561.7
37.5°	851.2	847.7	845.3	*839.4*	829.2	806.7	775.9	736.8	685.9	630.7	605.7
40°	908.9	911.3	908.4	*898.6*	889.3	864.4	830.6	786.1	733.8	674.7	645.8
42.5°	963.6	962.6	960.2	*954.8*	942.1	915.7	882.5	837.0	777.8	712.3	682.0
45°	1007.6	1008.6	1008.6	*1000.8*	989.0	965.1	926.9	880.5	817.4	748.5	716.7
47.5°	1049.7	1051.1	1050.1	*1046.7*	1034.0	1005.7	967.0	919.1	852.1	781.3	745.6
50°	1086.8	1086.8	1086.3	*1083.4*	1071.2	1043.8	1004.2	952.9	883.4	808.6	773.4
52.5°	1117.6	1117.1	1117.6	*1114.2*	1101.5	1076.5	1035.5	980.7	911.3	831.6	797.4
55°	1142.1	1140.6	1144.0	*1142.5*	1131.3	1103.4	1059.9	1006.6	934.8	853.6	817.4
57.5°	1161.6	1161.1	1165.5	*1164.1*	1152.8	1124.9	1081.9	1027.7	954.3	871.7	832.1
60°	1177.7	1176.8	1182.6	*1182.6*	1171.4	1143.5	1101.0	1043.8	970.0	885.9	845.8
62.5°	1189.0	1189.5	1194.9	*1196.8*	1187.0	1158.7	1114.2	1058.0	982.7	897.1	856.5
65°	1196.8	1197.8	1204.1	*1208.1*	1198.3	1170.4	1124.5	1068.2	992.9	906.4	864.9
67.5°	1201.7	1202.2	1211.0	*1214.9*	1207.1	1177.7	1133.3	1075.6	999.8	912.3	871.2
70°	1203.7	1204.1	1213.9	*1219.8*	1212.0	1182.1	1137.2	1079.5	1004.2	916.2	874.6
72.5°	*1202.2*	*1203.2*	*1213.4*	*1221.3*	*1213.4*	*1184.1*	*1138.6*	*1081.4*	*1005.2*	*920.6*	*875.6*
75°	1197.3	1198.3	1210.0	*1217.8*	1212.0	1181.7	1136.2	1079.5	1003.7	916.7	874.1
77.5°	1189.0	1190.5	1202.7	*1212.5*	1205.6	1176.8	1131.3	1074.1	998.3	911.8	868.8
80°	1176.8	1177.3	1190.9	*1200.7*	1195.8	1167.0	1121.5	1064.8	989.5	903.5	861.4
82.5°	1161.1	1163.1	1176.3	*1187.0*	1182.6	1152.8	1108.8	1053.1	978.3	893.2	850.7
85°	1144.5	1146.5	1158.7	*1170.4*	1165.0	1137.2	1093.2	1037.9	963.1	879.0	838.5
87.5°	1124.5	1125.9	1137.7	*1149.9*	1145.0	1117.1	1074.6	1020.3	947.5	865.8	824.3
90°	1102.5	1103.9	1115.2	*1126.9*	1120.5	1094.1	1052.6	999.3	928.4	848.2	808.1
92.5°	1079.0	1079.5	1092.2	*1098.5*	1095.1	1071.7	1030.6	979.3	908.4	830.1	792.5
95°	1052.6	1052.6	1064.8	*1071.7*	1065.8	1043.8	1005.2	953.8	884.9	811.6	772.9
97.5°	1023.7	1024.7	1034.0	*1040.9*	1038.9	1015.9	979.3	930.4	864.4	791.5	754.9
100°	993.9	993.9	1002.2	*1008.1*	1003.7	985.1	950.4	905.4	838.5	770.0	734.3
102.5°	962.6	962.1	969.0	*973.4*	970.5	953.3	921.1	876.6	814.0	747.5	713.8
105°	927.9	926.5	933.3	*938.2*	935.3	920.1	892.7	849.7	789.1	725.5	693.3
107.5°	890.8	893.2	897.1	*900.1*	897.6	884.4	858.5	820.4	763.2	702.5	671.3
110°	855.6	857.0	857.5	*860.9*	860.5	849.7	827.7	789.6	735.3	678.1	647.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	819.9	819.4	819.9	*822.3*	822.3	811.6	790.5	757.3	707.9	652.2	624.3
115°	781.3	779.3	779.8	*780.3*	782.2	773.9	755.8	724.5	676.1	626.8	599.4
117.5°	741.2	740.7	739.7	*738.2*	738.2	734.8	719.2	691.3	645.3	596.5	573.5
120°	703.0	701.1	698.6	*697.2*	698.1	694.2	681.5	653.7	613.1	569.1	546.1
122.5°	659.0	660.5	659.0	*657.1*	657.6	653.7	642.9	619.4	578.9	536.8	516.3
125°	621.4	620.9	618.9	*616.0*	616.0	614.5	602.8	582.3	546.1	506.0	486.9
127.5°	579.3	579.8	577.9	*576.4*	577.4	574.5	566.6	543.2	511.4	475.7	457.1
130°	539.7	539.3	538.8	*535.8*	538.3	532.9	526.1	506.5	476.2	445.9	428.8
132.5°	502.6	499.7	497.7	*497.2*	496.7	496.2	487.9	470.8	445.4	415.1	398.4
135°	465.4	463.0	460.5	*459.6*	460.5	458.1	450.8	436.6	413.1	383.8	371.1
137.5°	427.3	426.3	426.3	*423.9*	423.9	421.9	415.6	403.8	381.8	356.4	343.7
140°	393.1	391.1	390.1	*388.7*	390.1	388.2	381.3	370.1	351.5	329.5	317.3
142.5°	357.9	355.9	357.4	*355.9*	354.4	353.5	347.6	338.8	322.7	302.6	292.4
145°	325.1	325.1	324.1	*324.6*	323.6	322.7	316.8	308.5	294.8	276.2	268.9
147.5°	294.3	295.3	294.3	*295.3*	295.3	291.4	287.5	280.6	267.9	253.2	245.4
150°	265.5	266.9	266.0	*265.5*	266.0	264.0	258.6	254.7	243.5	230.8	222.9
152.5°	241.0	242.0	242.0	*241.0*	240.5	239.6	234.2	228.8	220.0	210.2	204.8
155°	218.0	218.0	218.5	*219.0*	217.6	214.6	212.7	208.3	200.4	191.6	186.3
157.5°	199.0	198.5	199.0	*198.5*	198.0	195.1	192.1	188.7	182.4	174.5	171.6
160°	180.9	180.9	181.4	*180.9*	178.9	177.5	175.0	172.1	166.7	161.3	157.4
162.5°	166.2	166.2	166.2	*165.7*	163.8	163.3	160.4	157.4	153.0	148.6	145.7
165°	153.5	153.5	153.0	*153.0*	152.0	150.6	148.1	145.7	141.8	138.4	136.4
167.5°	143.2	142.8	142.3	*141.8*	141.3	139.8	137.4	135.9	133.0	130.0	128.6
170°	134.4	134.4	134.0	*134.0*	133.0	131.5	130.0	128.1	126.1	123.2	122.2
172.5°	126.6	126.6	126.6	*126.6*	125.2	124.7	123.2	121.7	120.3	118.3	117.3
175°	120.8	120.8	120.8	*120.8*	119.8	118.8	118.3	116.8	115.9	114.4	113.9
177.5°	116.4	116.4	116.4	*116.4*	115.9	114.9	114.4	113.4	112.4	112.0	111.5
180°	112.4	112.4	112.4	*112.4*	112.4	112.4	112.4	112.4	112.4	112.4	112.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2.5°	79.7	76.8	72.8	68.4	65.0	60.6	56.2	53.8	52.3	51.3
5°	89.0	82.6	76.8	70.4	65.5	61.1	56.2	52.3	50.4	49.9
7.5°	113.4	104.6	95.8	88.0	81.2	74.3	69.4	65.5	63.1	63.1
10°	142.8	130.5	120.3	110.0	100.7	92.4	85.6	81.6	78.7	77.7
12.5°	176.0	161.3	147.2	135.4	121.7	112.4	104.1	98.8	95.3	94.8
15°	210.7	195.6	177.5	161.3	146.2	131.5	121.7	113.9	111.0	111.0
17.5°	244.0	224.4	204.4	184.8	166.2	149.1	135.4	126.6	122.2	121.2
20°	279.6	256.2	230.3	207.3	184.3	164.3	148.1	136.9	131.0	130.5
22.5°	316.3	288.9	261.1	230.8	204.4	180.4	161.3	148.1	140.8	139.8
25°	358.4	325.1	291.9	258.6	226.8	198.5	176.0	159.9	151.6	150.6
27.5°	404.8	363.2	323.6	285.5	248.4	217.1	190.2	171.6	161.3	160.8
30°	447.3	401.4	356.4	312.4	271.8	234.2	204.4	182.8	171.6	170.1
32.5°	489.9	439.0	388.2	339.8	292.8	252.3	218.5	193.6	180.4	179.4
35°	533.9	476.2	420.9	365.2	316.3	270.4	231.7	204.4	190.2	188.2
37.5°	574.9	512.9	452.2	393.1	336.8	287.0	244.4	214.6	198.5	196.0
40°	612.6	545.6	480.6	417.0	356.4	302.6	256.7	223.4	205.3	203.4
42.5°	647.3	576.4	506.5	438.1	374.5	316.3	266.9	230.8	210.7	208.8
45°	680.1	605.3	530.5	457.6	390.1	329.0	276.7	237.6	216.1	213.2
47.5°	707.9	629.7	549.5	474.2	404.3	339.8	284.0	242.5	220.0	217.1
50°	732.9	650.2	567.6	490.4	416.5	349.6	290.9	246.4	222.0	219.0
52.5°	752.9	669.3	583.3	503.1	427.8	357.4	295.8	249.8	223.9	221.0
55°	772.5	684.9	596.9	514.3	436.1	364.7	299.7	251.8	224.9	221.5
57.5°	788.6	698.1	608.2	523.1	444.4	369.6	303.1	252.8	224.9	221.0
60°	800.3	708.4	617.0	530.5	449.8	374.0	305.6	253.2	224.4	220.5
62.5°	810.6	716.7	623.3	536.8	455.2	377.4	308.0	253.7	223.4	219.5
65°	818.4	723.6	628.7	540.7	458.6	380.4	308.5	253.2	222.0	218.0
67.5°	824.8	728.0	632.1	544.1	461.0	381.8	309.5	252.8	221.0	216.6
70°	827.2	729.9	634.1	545.6	462.5	382.8	309.5	251.8	219.0	214.6
72.5°	*826.7*	*729.9*	*634.6*	*546.1*	*463.0*	*383.3*	*309.0*	*250.3*	*217.6*	*213.2*
75°	825.3	728.5	633.6	545.6	462.5	382.8	308.5	249.3	216.1	212.2
77.5°	821.3	724.5	630.2	543.7	461.5	381.3	307.0	248.4	215.1	210.2
80°	814.5	718.7	625.3	539.3	458.1	379.9	305.6	246.4	213.2	209.2
82.5°	804.7	711.3	619.4	535.3	455.2	376.9	303.6	245.4	212.2	208.3
85°	793.5	702.1	611.6	529.5	450.8	374.0	301.2	243.5	211.2	207.3
87.5°	779.8	689.8	603.8	522.6	445.4	370.1	298.7	242.0	210.7	206.8
90°	765.6	678.6	594.0	516.3	441.0	366.2	296.3	241.0	210.2	206.8
92.5°	750.0	666.4	584.7	508.0	435.1	362.3	293.8	240.0	210.2	206.8
95°	734.3	653.7	575.4	500.6	429.3	358.4	291.4	239.6	211.2	207.8
97.5°	715.7	639.0	564.2	492.8	422.4	354.0	289.4	239.1	211.7	208.8
100°	698.1	624.3	552.5	484.0	416.1	349.1	286.5	238.6	212.7	209.2
102.5°	679.1	610.1	540.7	474.7	409.2	343.7	284.0	238.1	213.6	210.7
105°	660.0	593.0	528.0	464.0	400.9	338.3	281.1	237.6	214.1	211.2
107.5°	639.0	576.9	513.8	453.7	392.6	332.4	277.2	236.6	214.6	211.7
110°	617.5	557.8	499.2	442.0	382.8	325.1	273.3	234.2	214.1	211.7

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

Scaled Data Report

REPORT NUMBER: P1223892
CATALOG NUMBER: FFX-CLB-50-727-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	596.9	539.7	483.0	428.8	372.5	317.8	267.9	231.7	212.7	210.7
115°	571.5	519.2	465.9	414.6	360.8	308.5	262.0	228.3	210.7	208.3
117.5°	548.1	497.7	447.8	399.4	348.6	299.2	255.2	223.9	207.3	205.3
120°	521.7	474.7	428.3	382.3	334.9	288.4	246.9	218.5	202.9	201.4
122.5°	495.7	452.2	408.2	364.7	320.2	276.2	238.6	211.7	198.0	196.5
125°	468.4	428.3	387.2	346.1	304.1	263.5	228.8	203.9	191.6	190.2
127.5°	440.5	403.3	364.7	326.6	288.4	250.8	218.5	196.0	184.3	183.8
130°	411.2	377.9	342.7	307.5	272.3	237.6	207.8	187.7	177.0	176.0
132.5°	384.8	354.0	321.2	288.0	254.7	224.4	197.5	178.9	169.6	168.7
135°	358.8	328.0	299.7	270.4	239.6	211.2	187.2	170.6	162.3	161.3
137.5°	332.4	305.6	279.2	251.8	223.9	198.5	177.5	162.8	155.5	154.5
140°	306.0	283.6	259.6	233.7	209.7	186.8	167.7	155.5	148.6	147.6
142.5°	282.1	260.6	239.1	216.6	195.1	175.5	158.9	147.2	141.3	140.8
145°	258.6	240.0	220.5	200.4	181.9	165.7	150.6	140.8	135.9	135.4
147.5°	237.6	221.0	203.4	186.3	170.1	155.0	142.8	134.4	129.6	129.1
150°	216.6	201.9	187.2	172.6	158.9	146.2	135.4	128.6	125.2	124.2
152.5°	198.0	186.3	173.1	160.8	148.6	137.9	129.6	123.2	120.3	119.8
155°	181.4	171.6	160.8	150.1	140.3	131.5	124.2	119.3	116.8	116.8
157.5°	167.2	158.9	150.1	141.3	133.5	126.1	120.3	116.4	114.4	113.9
160°	154.5	147.2	140.3	134.0	126.6	121.2	116.8	113.4	112.0	111.5
162.5°	142.8	137.9	132.5	127.1	121.7	117.3	113.9	111.5	110.5	110.5
165°	134.4	130.0	125.6	121.7	117.8	114.9	112.0	110.5	109.5	109.0
167.5°	127.1	123.7	120.8	117.8	114.9	112.4	110.5	109.5	108.5	108.5
170°	121.2	118.8	116.8	114.9	112.9	111.0	110.0	109.0	108.5	108.5
172.5°	116.4	114.9	113.4	112.4	111.0	110.0	109.0	108.5	108.5	108.5
175°	113.4	112.4	111.5	111.0	110.5	110.0	109.5	109.0	109.0	109.0
177.5°	111.5	111.0	111.0	110.5	110.5	110.5	110.5	110.5	110.5	110.5
180°	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4

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

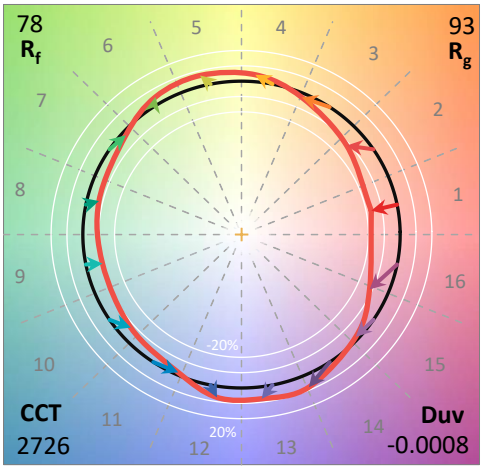
Test Information

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

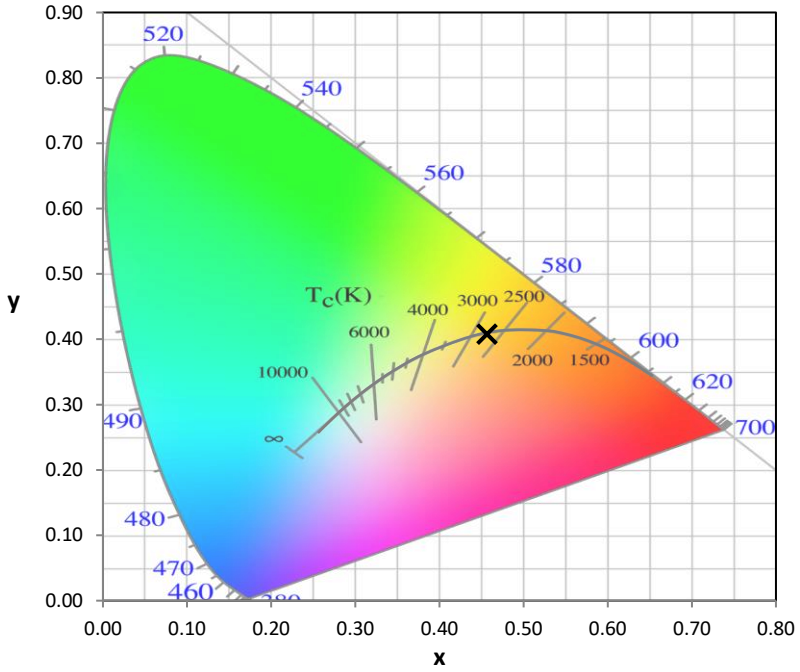
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

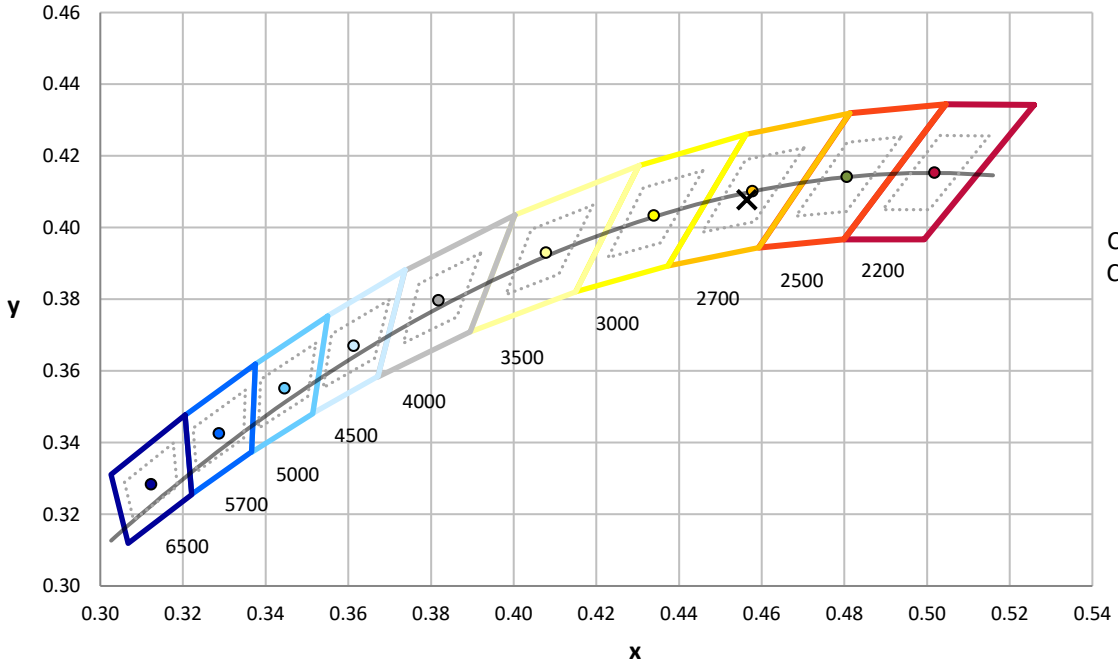
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

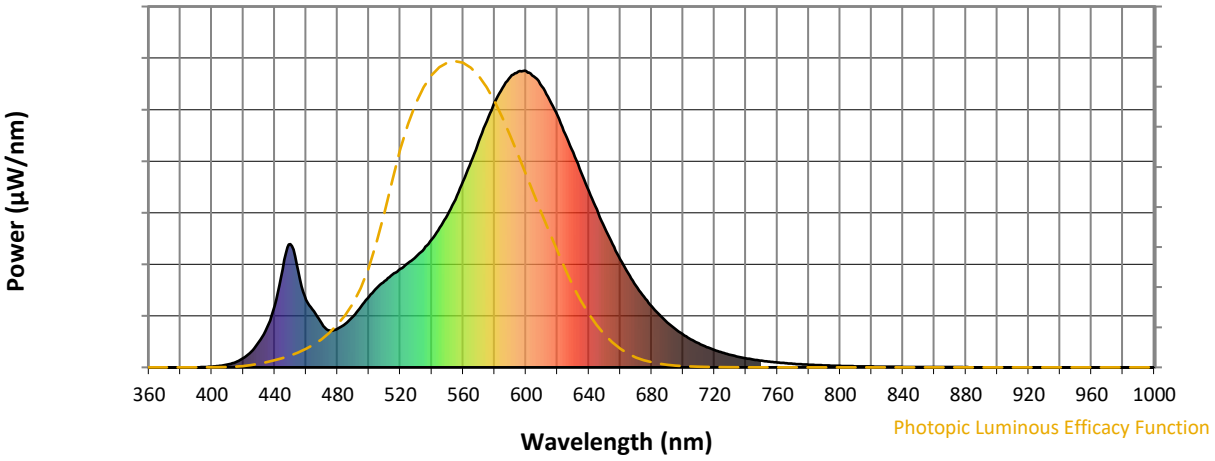


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

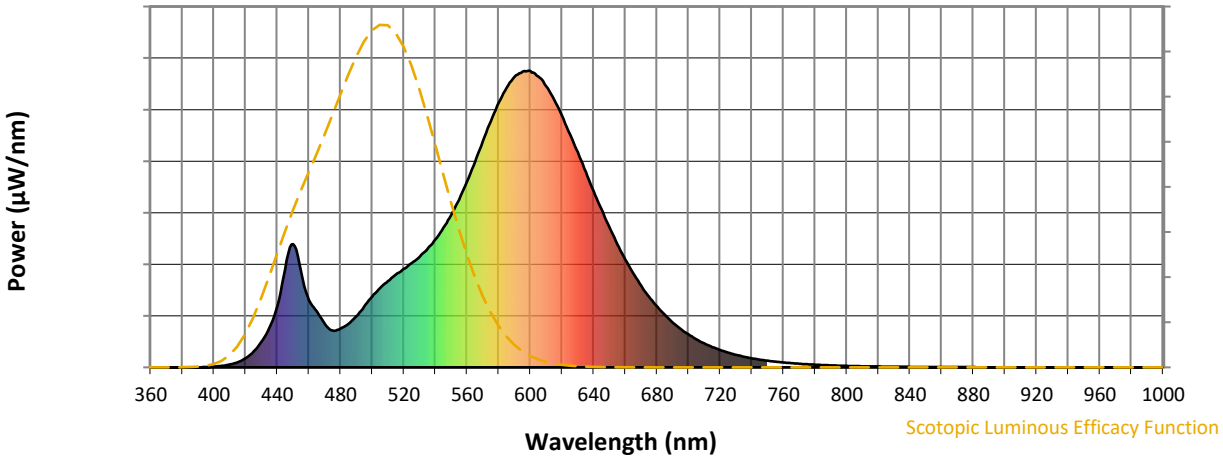


Photopic Lumens: NR

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

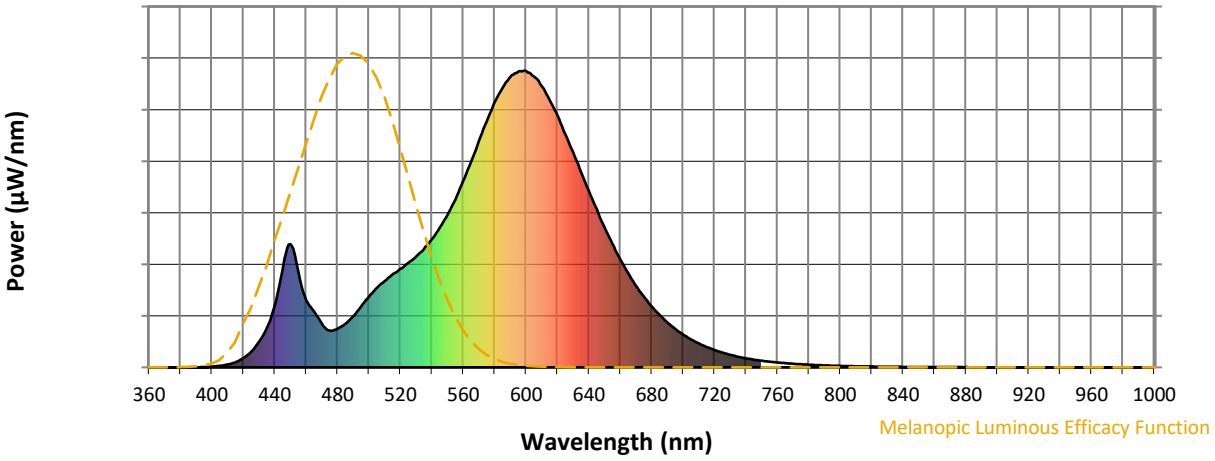


Scotopic Lumens: NR **S/P: 1.16**

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			

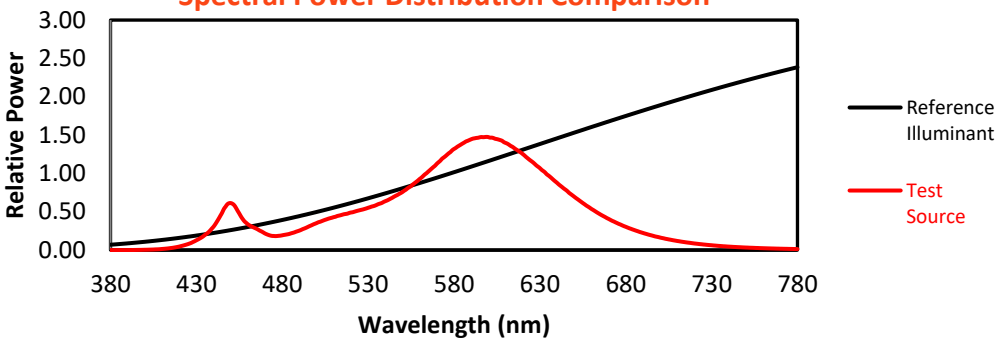
REPORT NUMBER: SP1-2501-332-3

TM-30-18

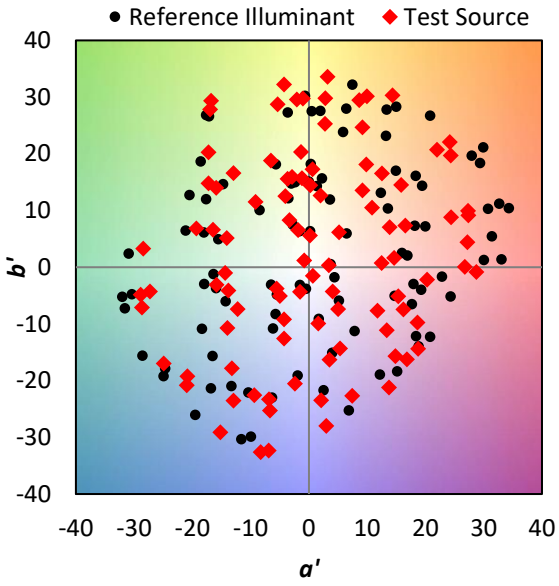
Summary

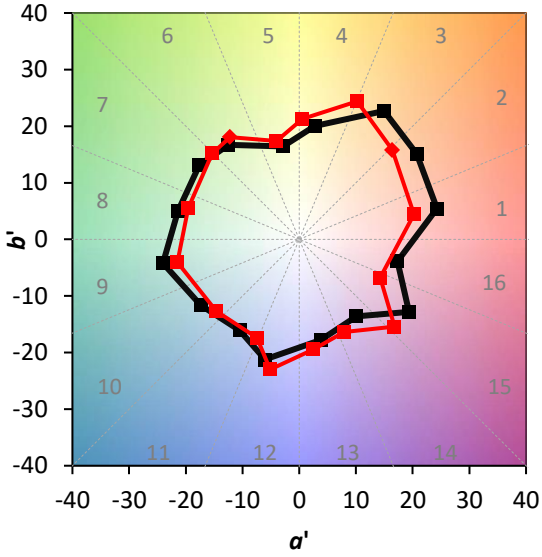
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

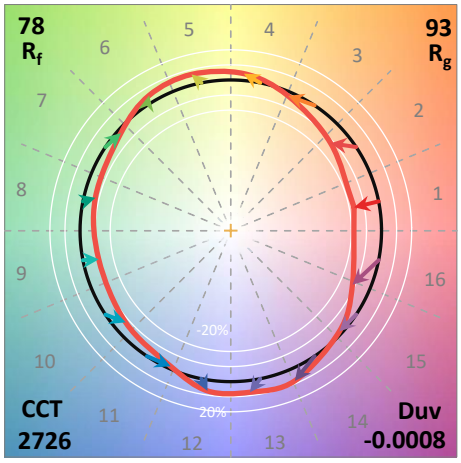
Spectral Power Distribution Comparison

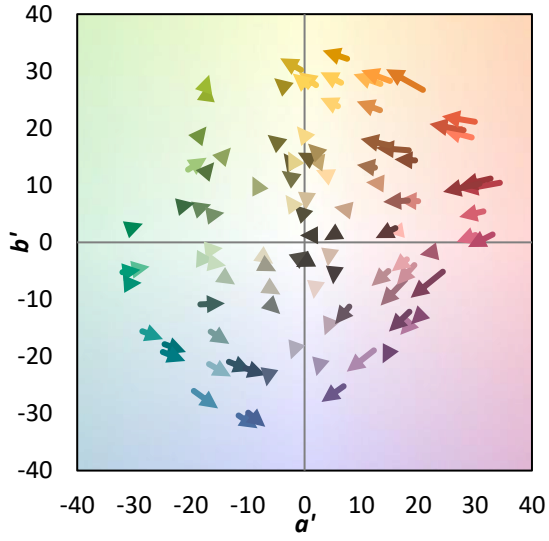


Color Vector Graphics







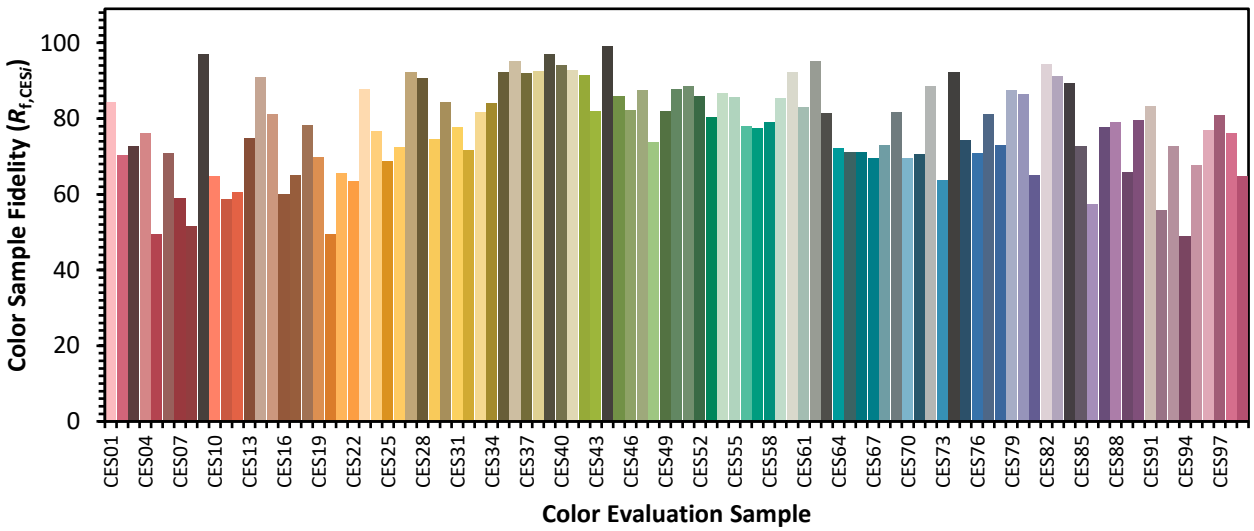


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

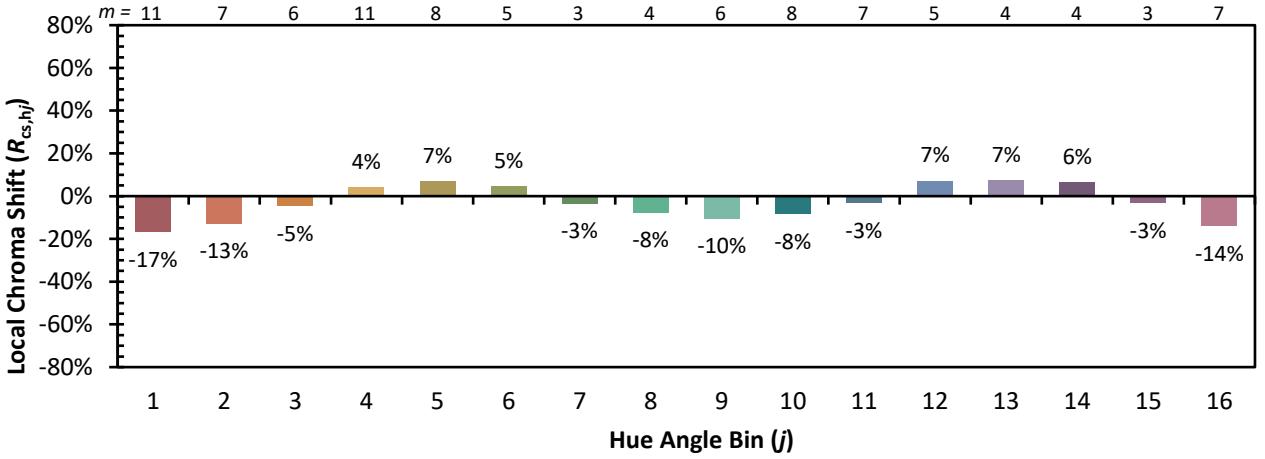
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

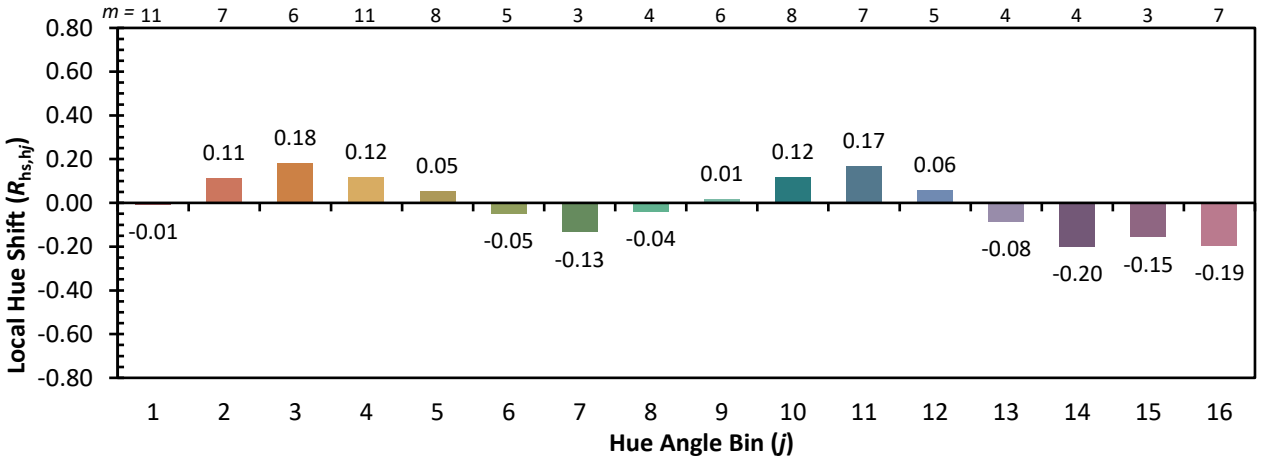


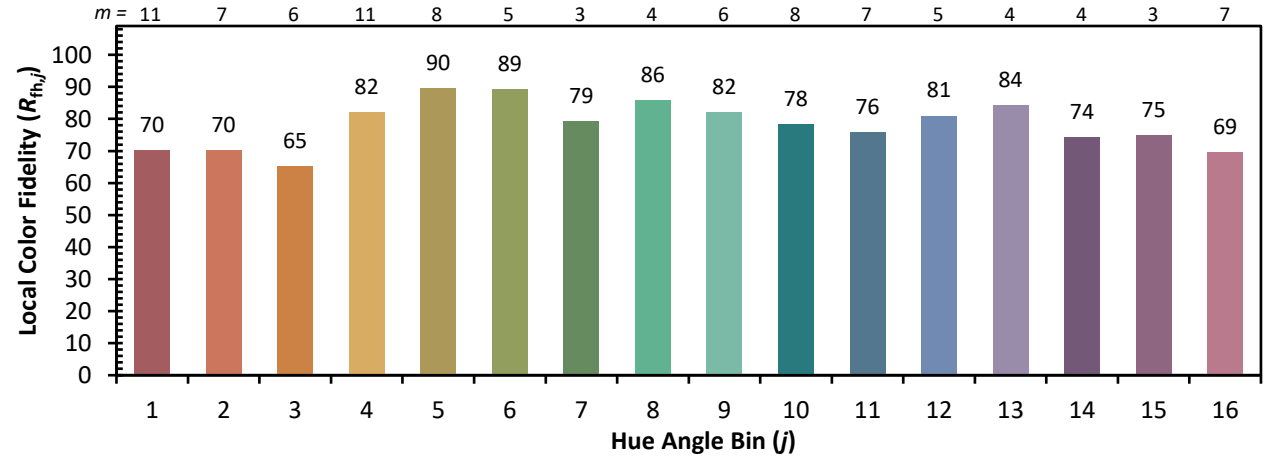
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Color Rendition by Hue-Angle Bin



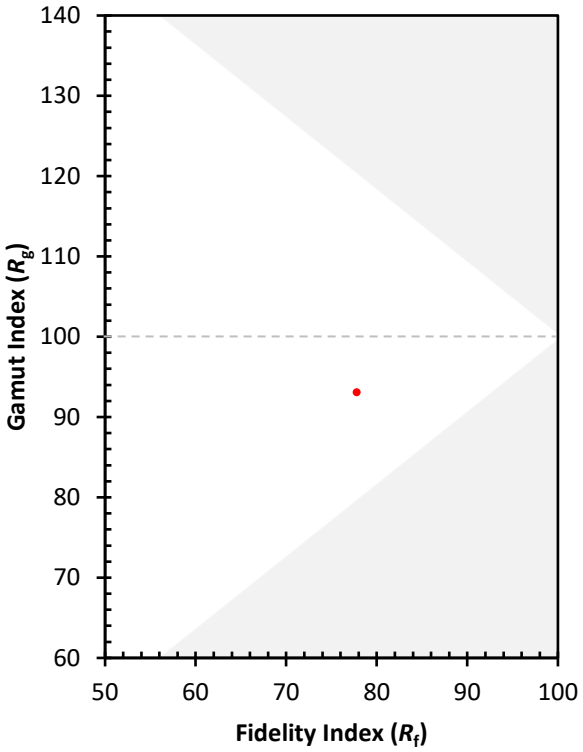


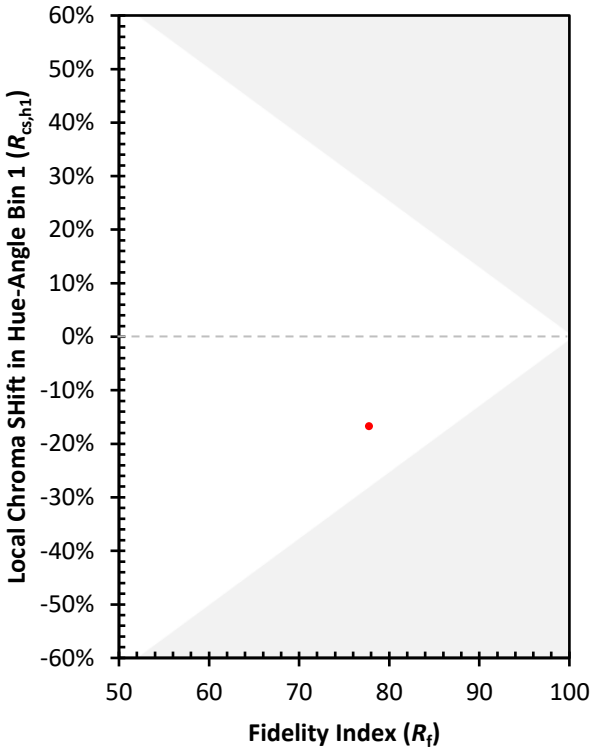


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Measure Comparisons





(END OF REPORT)