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: P1045915

Luminaire Tested: **FFX-CLB-70-722-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:	P1045915
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-722-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6625.6 lumens
Efficiency:	N/A
Efficacy:	93.1 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):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

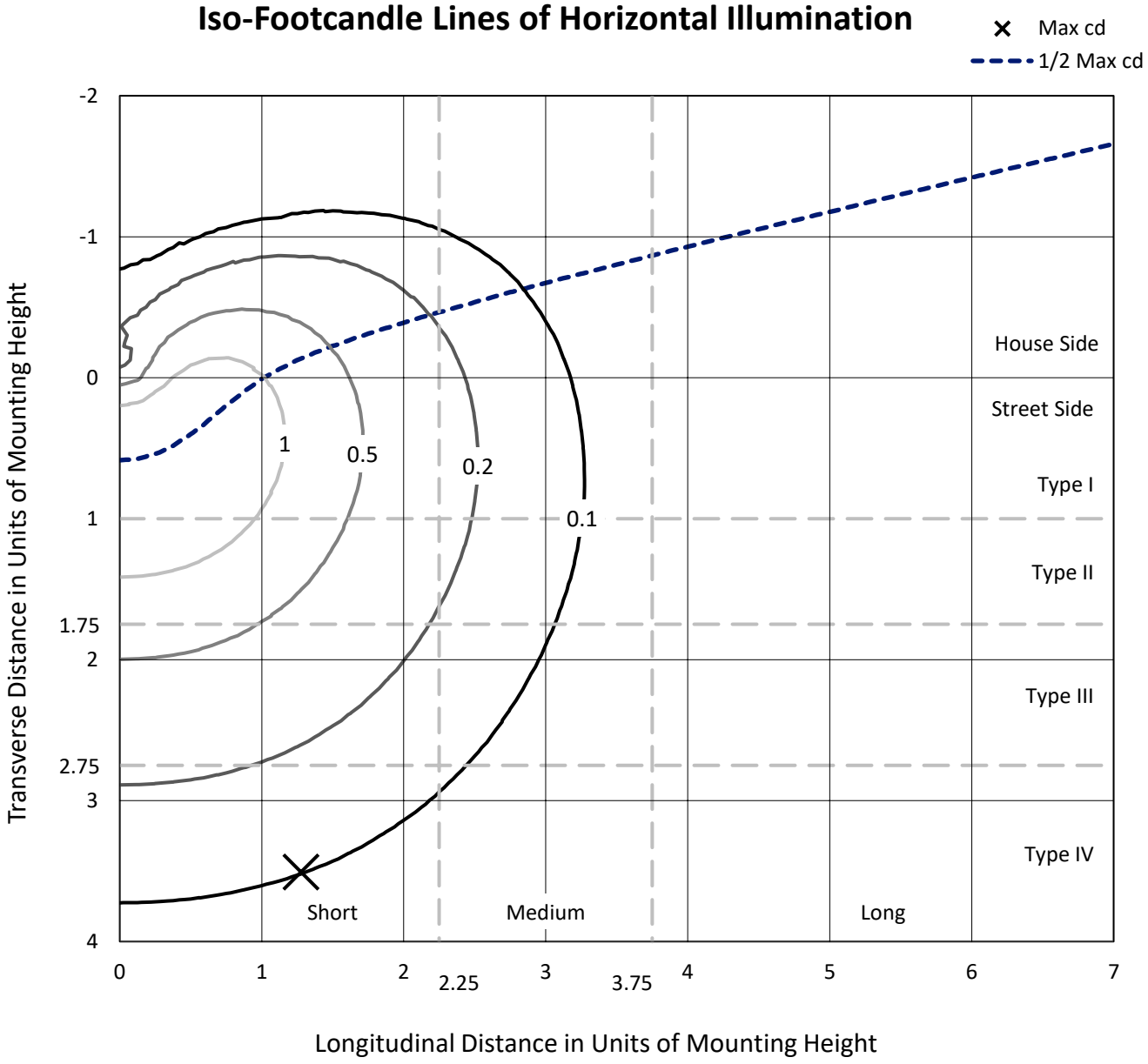


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Iso-Footcandle Lines of Horizontal Illumination



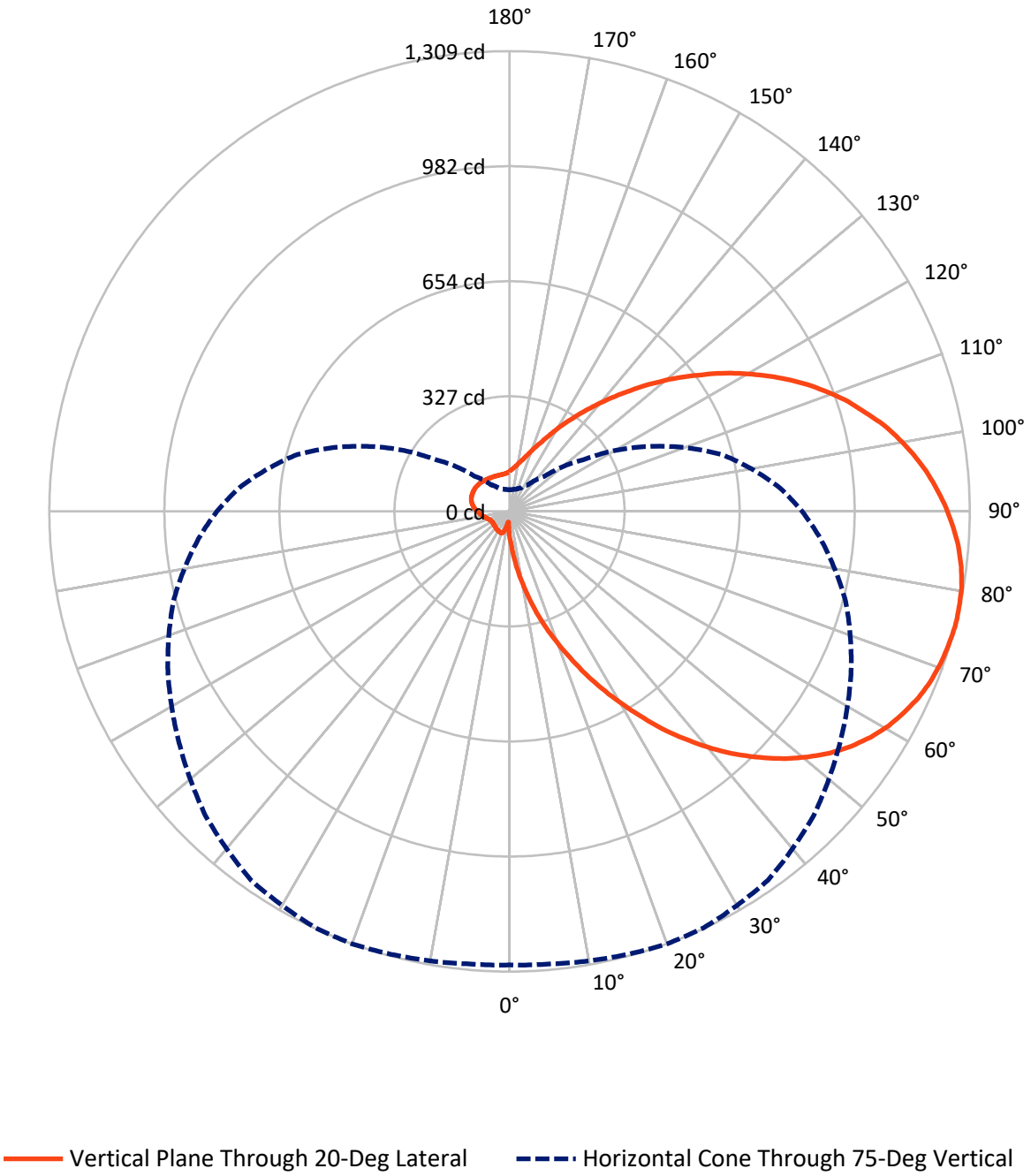
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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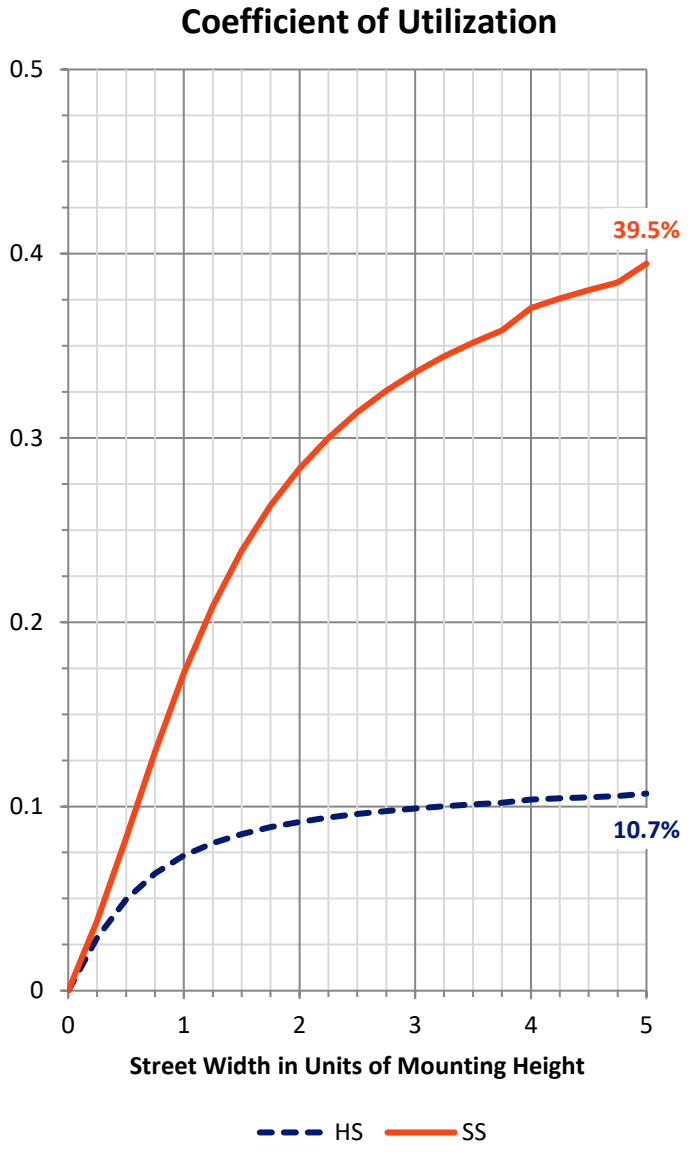
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	766.0	728.7	1494.7
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3007.9	2123.0	5130.9
	% Fixture	45.4	32.0	77.4
Total	Lumens	3773.9	2851.7	6625.6
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	55.3	0.8
20°-30°	146.4	2.2
30°-40°	282.8	4.3
40°-50°	442.9	6.7
50°-60°	592.2	8.9
60°-70°	701.8	10.6
70°-80°	764.6	11.5
80°-90°	778.4	11.7
90°-100°	738.1	11.1
100°-110°	652.7	9.9
110°-120°	530.0	8.0
120°-130°	390.1	5.9
130°-140°	258.6	3.9
140°-150°	152.4	2.3
150°-160°	80.6	1.2
160°-170°	38.0	0.6
170°-180°	11.1	0.2
0°-90°	3773.9	57.0
0°-180°	6625.6	100.0



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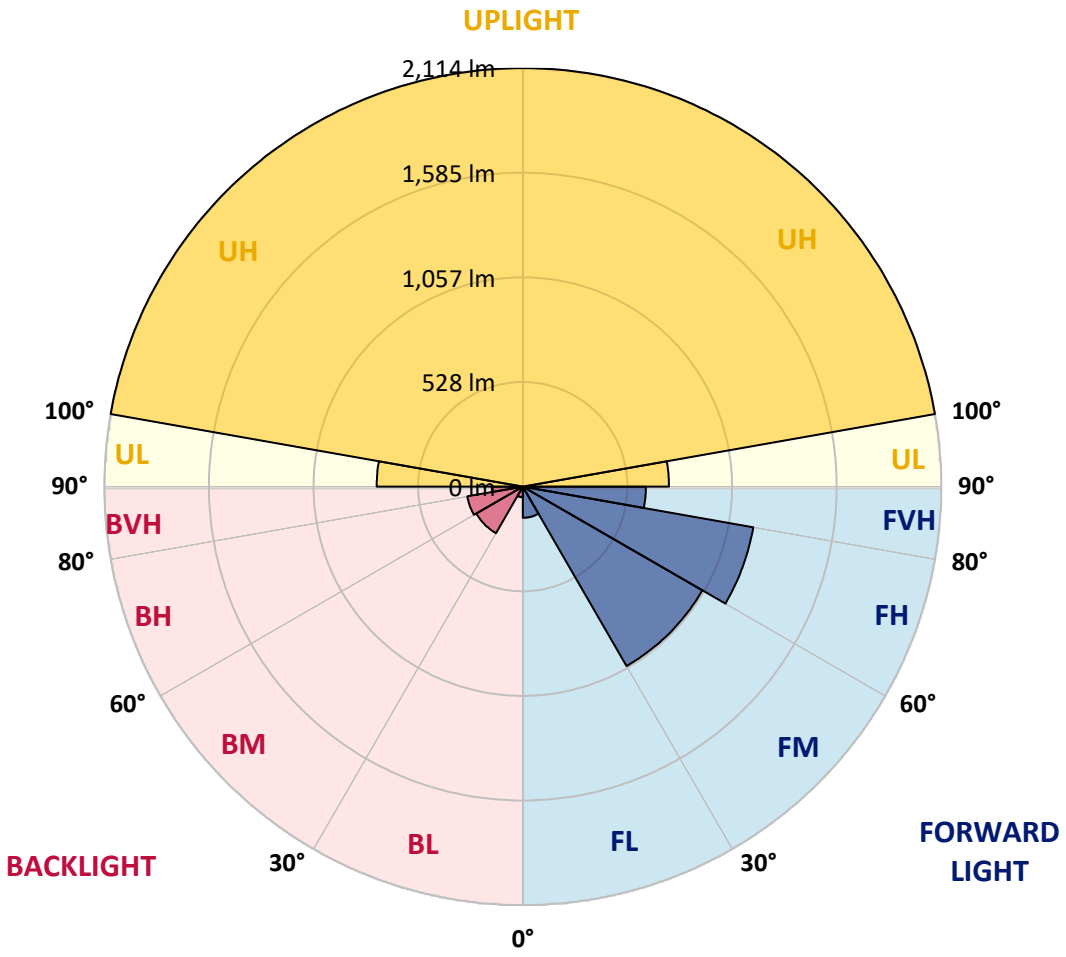
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	157.6	2.4			
FM	(30°-60°)	1046.8	15.8			
FH	(60°-80°)	1181.9	17.8			G1/1800
FVH	(80°-90°)	621.5	9.4			G4/750
BL	(0°-30°)	53.5	0.8	B0/110		
BM	(30°-60°)	271.1	4.1	B1/1000		
BH	(60°-80°)	284.5	4.3	B1/500		G1/500
BVH	(80°-90°)	156.9	2.4			G2/225
UL	(90°-100°)	738.1	11.1		U4/1000	
UH	(100°-180°)	2113.6	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°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2.5°	92.6	92.6	93.3	93.3	94.0	92.6	90.5	89.1	87.0	82.1	78.0
5°	128.8	129.5	128.1	128.8	129.5	126.0	121.1	114.9	105.8	97.5	88.4
7.5°	172.7	174.7	171.3	170.6	168.5	162.9	155.9	146.2	136.5	125.3	112.1
10°	220.7	220.0	215.8	210.9	209.6	202.6	193.5	184.5	169.9	155.9	142.0
12.5°	265.9	265.2	261.8	258.3	256.2	247.1	236.0	225.6	210.2	192.1	174.7
15°	313.3	314.0	310.5	308.4	304.2	295.2	286.1	270.8	255.5	234.6	213.7
17.5°	360.6	362.0	358.5	357.1	353.7	346.0	334.2	318.2	298.7	274.3	247.8
20°	412.8	414.2	412.1	407.3	403.1	394.7	384.3	364.1	342.5	317.5	283.3
22.5°	468.5	469.2	463.0	461.6	457.4	449.7	434.4	416.3	392.0	359.9	324.4
25°	523.5	523.5	522.1	520.7	514.5	505.4	490.1	467.8	440.7	406.6	364.8
27.5°	582.7	583.4	579.9	578.5	573.7	561.8	545.8	521.4	493.6	452.5	405.2
30°	645.4	644.7	641.2	638.4	636.3	624.5	606.4	581.3	546.5	499.2	451.1
32.5°	708.0	705.9	703.8	701.1	700.4	685.0	670.4	639.8	603.6	553.5	495.7
35°	772.1	767.2	765.8	766.5	763.0	750.5	728.9	699.0	657.2	605.0	539.5
37.5°	827.8	831.9	828.5	825.7	826.4	812.4	789.5	756.1	712.2	654.4	584.1
40°	889.7	886.9	886.9	886.9	884.8	872.3	848.0	811.1	760.9	699.7	623.1
42.5°	943.3	943.3	946.8	944.7	942.6	928.0	901.6	860.5	807.6	741.4	660.7
45°	998.3	996.9	1001.1	998.3	996.9	981.6	953.8	911.3	855.6	783.2	698.3
47.5°	1049.1	1049.8	1051.2	1051.2	1049.8	1032.4	1003.2	953.1	896.7	819.4	730.3
50°	1093.0	1096.5	1100.7	1097.9	1099.3	1080.5	1047.8	996.9	931.5	853.5	758.8
52.5°	1136.2	1136.2	1141.7	1141.7	1140.3	1122.2	1085.3	1031.7	967.0	884.2	785.3
55°	1173.1	1173.8	1178.6	1179.3	1178.6	1157.8	1118.8	1061.0	993.5	909.9	806.9
57.5°	1200.9	1203.0	1209.3	1211.4	1208.6	1189.8	1145.9	1087.4	1015.7	930.1	825.7
60°	1226.0	1228.8	1235.7	1238.5	1236.4	1216.2	1170.3	1107.6	1033.8	947.5	841.7
62.5°	1248.3	1249.0	1258.0	1259.4	1258.7	1237.1	1188.4	1122.9	1048.5	960.7	855.6
65°	1264.3	1266.4	1276.1	1278.2	1276.8	1253.8	1203.0	1135.5	1060.3	971.9	866.1
67.5°	1276.8	1278.2	1287.9	1291.4	1290.0	1265.7	1213.4	1143.1	1067.2	979.5	874.4
70°	1283.8	1285.8	1297.0	1299.8	1298.4	1274.0	1219.7	1146.6	1071.4	985.1	880.0
72.5°	1287.9	1290.0	1301.9	1305.3	1304.6	1278.9	1222.5	1148.0	1072.8	987.9	884.2
75°	1290.0	1292.1	1304.0	1308.8	1306.7	1281.0	1223.2	1147.3	1072.1	990.0	887.6
76°	1290.0	1291.4	1304.0	1308.8	1306.7	1281.0	1223.2	1145.9	1071.4	990.7	889.0
77.5°	1288.6	1290.7	1303.3	1307.4	1306.0	1280.3	1221.1	1143.1	1069.3	989.3	889.7
80°	1285.2	1287.2	1299.1	1304.0	1301.9	1275.4	1216.2	1137.6	1063.8	986.5	889.7
82.5°	1277.5	1279.6	1290.7	1294.2	1293.5	1267.1	1207.2	1127.8	1055.4	981.6	888.3
85°	1265.7	1267.7	1276.8	1281.0	1278.9	1253.8	1194.0	1114.6	1045.0	974.0	884.2
87.5°	1249.6	1251.0	1260.8	1262.2	1261.5	1236.4	1177.2	1097.9	1031.0	963.5	877.2
90°	1230.2	1231.5	1239.2	1241.3	1239.2	1215.5	1155.7	1079.8	1013.6	951.0	868.8
92.5°	1210.0	1209.3	1214.8	1216.9	1214.8	1191.2	1133.4	1058.2	995.5	937.1	858.4
95°	1186.3	1187.7	1189.1	1190.5	1187.7	1164.7	1108.3	1034.5	976.0	921.7	848.6
97.5°	1159.8	1159.1	1160.5	1160.5	1157.8	1134.8	1079.8	1011.6	953.8	905.0	835.4
100°	1132.0	1131.3	1129.9	1127.1	1124.3	1102.1	1051.2	983.0	930.8	884.8	822.2
102.5°	1101.4	1097.2	1093.0	1092.3	1086.0	1067.2	1018.5	955.9	906.4	866.1	805.5
105°	1063.8	1062.4	1056.1	1050.5	1047.1	1026.2	981.6	925.9	880.7	843.1	787.4
107.5°	1025.5	1022.7	1013.6	1011.6	1004.6	985.8	945.4	896.0	854.9	820.1	765.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	984.4	983.0	973.3	*967.0*	961.4	940.5	905.7	864.0	826.4	794.3	741.4
112.5°	938.5	937.1	926.6	*921.7*	913.4	897.4	864.7	827.1	795.0	765.8	715.0
115°	891.8	891.1	879.3	*873.0*	865.4	845.9	819.4	790.2	761.6	732.4	683.0
117.5°	845.2	841.7	829.8	*822.2*	814.5	797.1	775.5	752.6	726.1	699.0	650.2
120°	792.3	791.6	778.3	*772.1*	765.1	749.1	730.3	708.7	687.8	660.7	617.5
122.5°	741.4	740.7	728.9	*721.2*	712.2	699.7	684.3	667.6	648.8	622.4	579.9
125°	689.9	688.5	676.0	*668.3*	660.7	650.2	635.6	623.8	608.5	583.4	543.0
127.5°	637.7	634.9	627.3	*619.6*	611.2	598.0	593.1	582.7	566.0	541.6	506.1
130°	589.0	587.6	577.1	*570.2*	561.8	551.4	547.2	538.8	527.0	504.7	471.3
132.5°	538.1	536.8	530.5	*523.5*	516.6	506.1	504.0	496.4	484.5	466.4	435.1
135°	492.9	491.5	484.5	*476.9*	473.4	465.7	463.0	456.7	445.6	427.5	400.3
137.5°	449.0	448.3	441.4	*435.1*	430.9	425.4	422.6	417.0	408.7	392.6	367.6
140°	409.4	405.9	400.3	*394.7*	390.6	385.0	383.6	378.7	372.5	357.1	339.0
142.5°	369.7	367.6	363.4	*358.5*	355.7	349.5	346.0	343.9	335.6	323.7	309.1
145°	330.7	330.7	327.2	*323.7*	319.5	315.4	312.6	310.5	303.5	293.1	279.2
147.5°	298.0	298.0	295.2	*293.8*	290.3	284.7	282.7	280.6	274.3	265.9	254.8
150°	270.1	268.7	266.6	*264.5*	261.8	256.9	253.4	251.3	246.4	240.2	229.7
152.5°	242.3	242.3	240.9	*238.1*	236.0	232.5	229.7	227.0	223.5	216.5	208.2
155°	218.6	218.6	216.5	*215.1*	213.7	210.9	208.2	205.4	201.2	195.6	189.4
157.5°	199.1	199.1	197.7	*197.0*	194.2	192.8	190.1	187.3	183.1	178.2	172.7
160°	181.0	181.7	181.0	*180.3*	178.2	176.1	173.3	170.6	167.1	162.9	158.7
162.5°	166.4	167.1	165.7	*165.0*	163.6	161.5	158.7	157.3	154.6	149.7	145.5
165°	153.9	153.9	153.2	*152.5*	151.8	149.0	147.6	146.2	143.4	139.9	136.5
167.5°	144.1	144.1	143.4	*143.4*	142.0	140.6	138.5	137.1	134.4	132.3	128.1
170°	135.8	135.8	135.1	*134.4*	133.7	132.3	130.9	128.8	127.4	124.6	122.5
172.5°	128.8	128.8	128.1	*127.4*	127.4	125.3	124.6	123.2	121.8	119.7	117.7
175°	123.2	122.5	122.5	*121.8*	121.1	119.7	119.0	118.4	117.0	116.3	114.9
177.5°	118.4	118.4	117.7	*117.7*	117.0	115.6	115.6	114.9	114.2	113.5	112.8
180°	112.1	112.1	112.1	*112.1*	112.1	112.1	112.1	112.1	112.1	112.1	112.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2.5°	75.9	73.8	68.2	63.4	59.9	55.0	50.8	49.4	48.7	48.0	48.0
5°	83.5	79.4	69.6	60.6	52.2	45.3	39.0	32.7	27.8	25.1	23.7
7.5°	105.1	100.3	87.0	75.2	63.4	52.9	42.5	34.8	27.8	23.7	23.7
10°	133.7	126.7	110.0	93.3	78.7	63.4	50.8	40.4	34.1	30.6	30.6
12.5°	163.6	154.6	135.1	113.5	93.3	75.9	60.6	49.4	42.5	39.7	39.7
15°	199.1	187.3	162.2	135.1	110.7	89.8	72.4	59.9	51.5	48.0	47.3
17.5°	233.2	217.9	188.0	157.3	128.1	103.0	82.8	66.8	57.8	52.9	52.2
20°	269.4	250.6	215.1	177.5	144.1	113.5	89.1	71.7	59.9	54.3	53.6
22.5°	302.8	282.7	240.2	196.3	156.6	121.1	92.6	72.4	59.2	52.9	52.2
25°	341.1	318.2	268.0	216.5	169.9	127.4	95.4	72.4	58.5	51.5	50.8
27.5°	380.1	353.0	296.6	236.7	181.7	134.4	97.5	72.4	57.1	50.1	49.4
30°	421.2	391.3	323.7	257.6	194.2	139.9	99.6	71.7	56.4	48.7	48.0
32.5°	463.0	428.2	353.7	277.8	206.8	145.5	100.9	71.7	55.0	48.0	46.6
35°	505.4	465.1	383.6	298.7	217.9	150.4	101.6	71.0	54.3	46.6	45.9
37.5°	543.0	501.3	411.4	317.5	228.3	153.9	102.3	70.3	53.6	45.9	45.3
40°	581.3	536.1	437.9	334.2	236.0	155.9	101.6	69.6	52.2	45.3	44.6
42.5°	616.1	567.4	462.3	350.2	243.0	158.0	100.9	68.2	51.5	44.6	43.9
45°	649.5	598.0	485.2	364.1	249.2	158.7	99.6	67.5	50.8	44.6	43.9
47.5°	680.2	624.5	507.5	377.3	254.8	158.7	98.9	66.1	50.8	44.6	43.9
50°	705.9	650.9	525.6	389.2	258.3	158.0	97.5	65.4	50.8	44.6	43.9
52.5°	731.0	672.5	543.7	398.2	260.4	156.6	95.4	64.7	50.8	45.3	44.6
55°	751.2	692.0	559.0	408.0	262.5	155.2	94.0	64.0	50.8	45.3	45.3
57.5°	768.6	708.0	570.9	414.2	262.5	152.5	92.6	64.0	51.5	46.6	45.9
60°	785.3	722.6	583.4	419.8	262.5	150.4	91.2	64.0	52.2	47.3	46.6
62.5°	796.4	734.5	593.1	424.7	261.1	148.3	89.8	64.0	52.9	48.7	48.0
65°	807.6	745.6	602.2	428.8	260.4	146.2	89.8	64.7	54.3	50.8	50.1
67.5°	815.9	754.7	608.5	431.6	259.0	144.1	89.1	66.1	56.4	52.9	52.2
70°	822.9	761.6	616.1	433.7	257.6	142.7	89.8	68.2	58.5	55.0	55.0
72.5°	828.5	767.9	620.3	435.8	256.2	142.0	91.2	70.3	62.0	58.5	57.8
75°	*831.9*	*771.4*	*624.5*	*436.5*	*254.8*	*141.3*	*92.6*	*73.1*	*64.7*	*62.0*	*61.3*
76°	832.6	772.8	625.9	437.2	254.1	141.3	93.3	73.8	66.1	63.4	62.7
77.5°	834.7	774.9	627.3	437.2	253.4	141.3	94.7	75.9	68.2	65.4	65.4
80°	836.1	776.2	629.3	437.9	252.0	141.3	96.8	79.4	72.4	69.6	68.9
82.5°	835.4	776.9	630.0	436.5	251.3	142.0	99.6	82.8	76.6	73.8	73.1
85°	832.6	774.9	628.7	434.4	249.2	143.4	102.3	87.0	80.1	77.3	77.3
87.5°	827.8	770.0	625.2	431.6	247.8	144.1	105.1	90.5	84.2	81.5	81.5
90°	820.8	764.4	621.0	428.8	245.8	144.8	108.6	94.0	88.4	86.3	85.6
92.5°	812.4	757.4	615.4	424.7	244.4	146.2	111.4	98.2	92.6	89.8	89.8
95°	804.1	749.8	609.2	419.8	243.0	148.3	114.2	101.6	96.1	94.0	94.0
97.5°	792.3	739.3	600.8	414.2	240.9	149.0	117.7	105.1	100.3	97.5	97.5
100°	777.6	727.5	591.1	408.7	239.5	151.1	120.4	108.6	103.7	101.6	100.9
102.5°	763.0	713.6	580.6	402.4	237.4	151.8	123.2	112.1	106.5	104.4	104.4
105°	746.3	698.3	567.4	394.0	235.3	153.2	125.3	114.2	109.3	107.2	106.5
107.5°	726.8	678.8	554.2	386.4	233.2	154.6	127.4	116.3	111.4	109.3	108.6

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

Scaled Data Report

REPORT NUMBER: P1045915
CATALOG NUMBER: FFX-CLB-70-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	704.5	660.7	538.1	378.0	231.8	156.6	129.5	117.7	112.8	110.0	110.0
112.5°	678.8	634.9	520.7	368.3	231.8	159.4	130.9	119.0	113.5	110.7	110.7
115°	648.1	607.8	499.9	359.2	231.1	162.2	133.7	119.7	113.5	111.4	110.7
117.5°	618.2	579.2	479.0	350.2	233.2	167.1	136.5	121.1	113.5	110.7	110.7
120°	584.8	549.3	457.4	341.1	236.0	172.0	139.9	121.8	113.5	110.0	110.0
122.5°	550.0	517.3	436.5	332.8	238.1	177.5	142.7	123.2	112.8	109.3	108.6
125°	517.3	484.5	412.8	324.4	240.2	182.4	146.2	123.9	112.1	107.9	107.2
127.5°	481.1	456.0	392.0	315.4	241.6	186.6	149.0	124.6	111.4	106.5	105.8
130°	449.7	425.4	371.1	305.6	240.2	188.0	149.7	123.9	110.0	105.1	105.1
132.5°	414.9	395.4	348.1	293.1	236.7	188.0	150.4	123.9	109.3	104.4	103.7
135°	384.3	366.2	326.5	279.2	230.4	185.2	149.0	123.2	108.6	103.7	103.0
137.5°	355.7	338.3	303.5	264.5	221.4	180.3	146.2	121.8	107.9	103.0	102.3
140°	325.1	312.6	282.7	248.5	211.6	174.7	142.7	120.4	107.9	103.0	102.3
142.5°	297.3	286.8	259.7	231.1	199.1	166.4	138.5	118.4	107.2	103.0	102.3
145°	272.2	260.4	239.5	213.7	186.6	158.7	134.4	117.0	106.5	103.0	102.3
147.5°	247.8	237.4	220.0	197.7	175.4	151.1	130.2	114.9	106.5	103.0	102.3
150°	223.5	216.5	201.2	183.1	162.9	143.4	126.0	113.5	106.5	103.7	103.0
152.5°	202.6	197.7	184.5	169.9	152.5	135.8	121.8	112.1	106.5	103.7	103.7
155°	185.2	180.3	169.2	155.9	143.4	129.5	119.0	110.7	106.5	104.4	103.7
157.5°	167.8	164.3	155.2	145.5	135.1	124.6	116.3	110.0	106.5	104.4	104.4
160°	154.6	151.1	144.1	136.5	128.1	120.4	113.5	108.6	106.5	105.1	105.1
162.5°	143.4	140.6	135.1	128.8	122.5	116.3	111.4	107.9	106.5	105.1	105.1
165°	134.4	132.3	127.4	122.5	118.4	113.5	110.0	107.9	106.5	105.8	105.8
167.5°	126.7	125.3	121.8	118.4	114.9	111.4	108.6	107.2	106.5	106.5	106.5
170°	121.1	119.7	117.7	114.9	112.1	110.0	107.9	107.2	107.2	106.5	107.2
172.5°	117.0	116.3	114.2	112.1	110.7	108.6	107.9	107.2	107.9	107.9	107.9
175°	114.2	113.5	112.1	110.7	110.0	108.6	108.6	107.9	108.6	109.3	109.3
177.5°	112.1	111.4	110.7	110.7	110.0	109.3	109.3	110.0	110.7	110.7	110.7
180°	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1

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

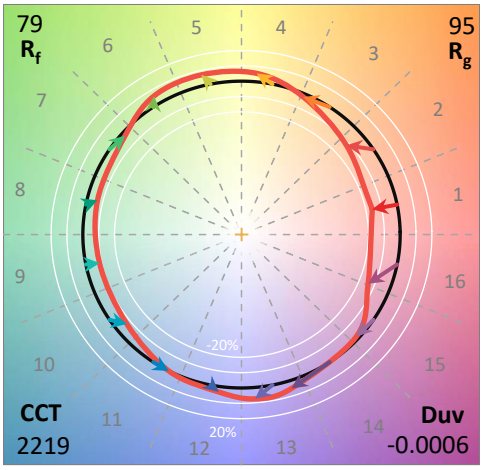
Test Information

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

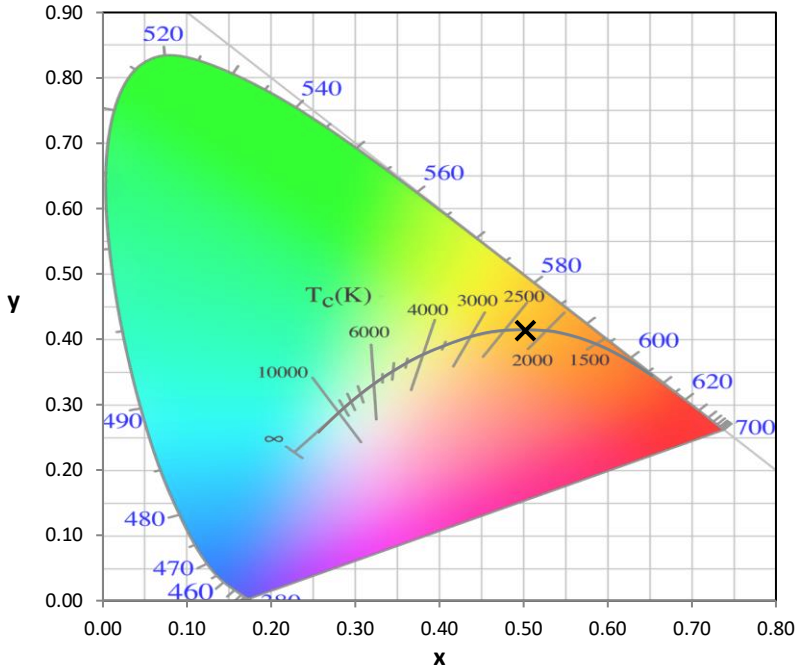
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

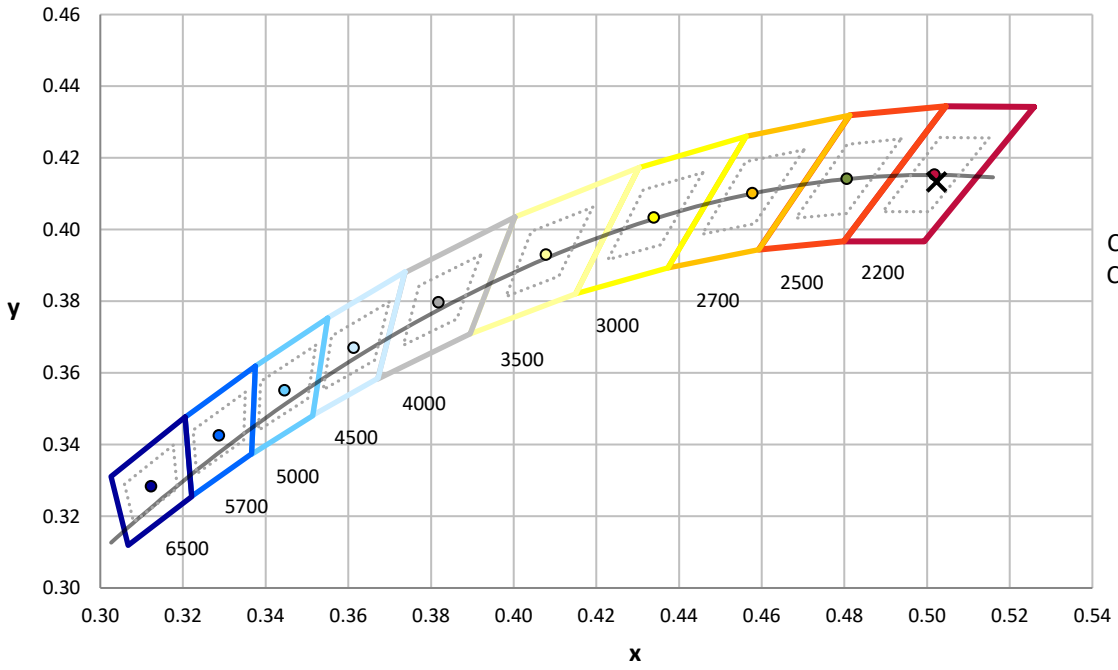
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

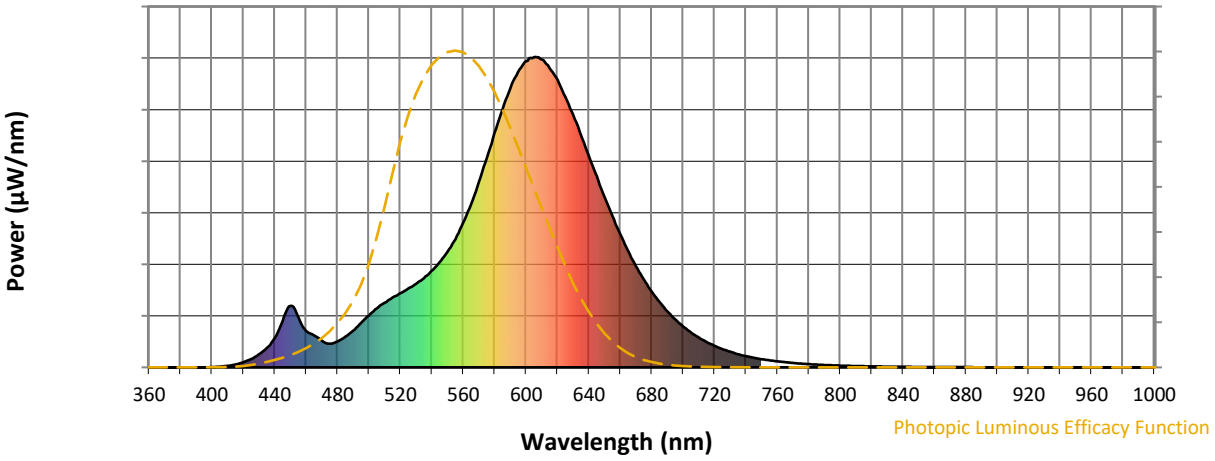


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

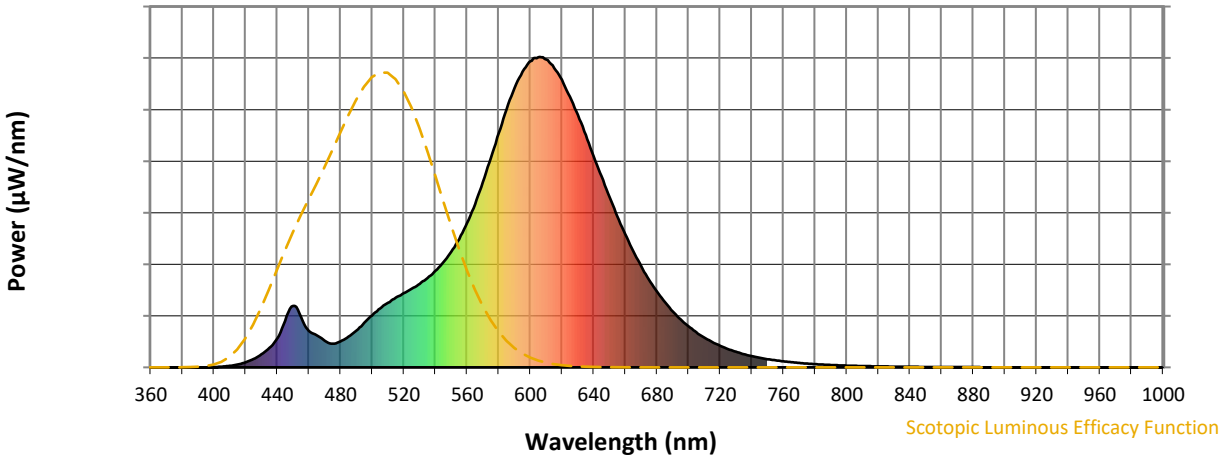


Photopic Lumens: NR

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

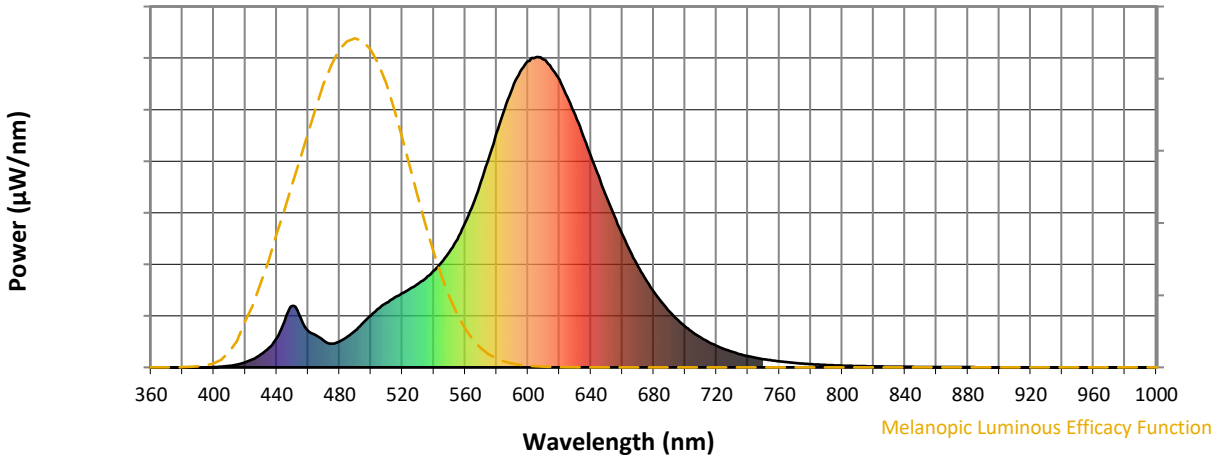


Scotopic Lumens: NR **S/P: 0.94**

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			

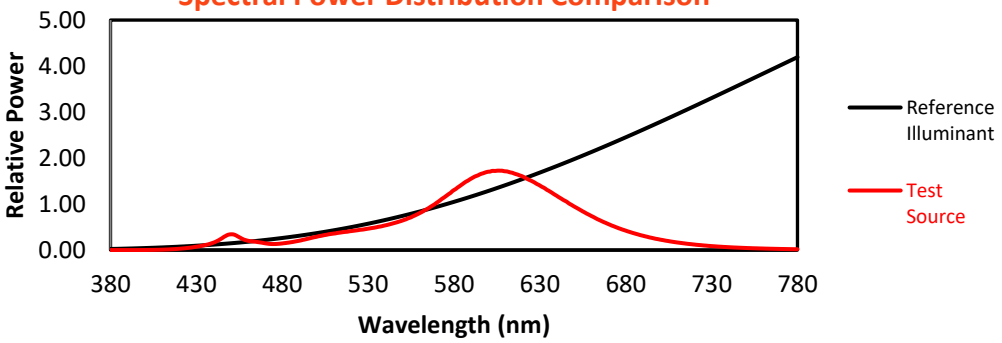
REPORT NUMBER: SP1-2501-332-2

TM-30-18

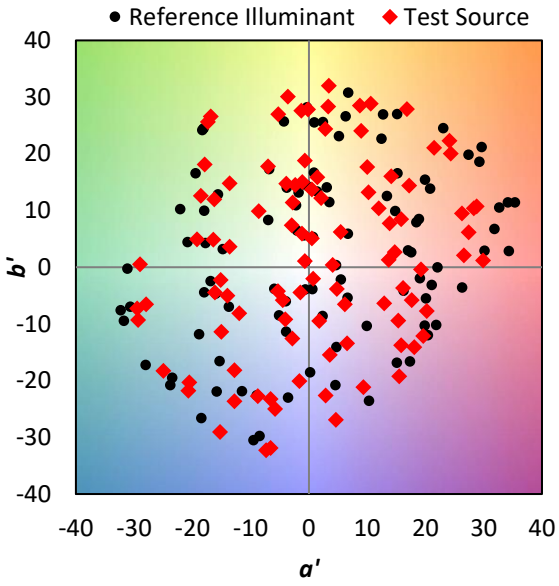
Summary

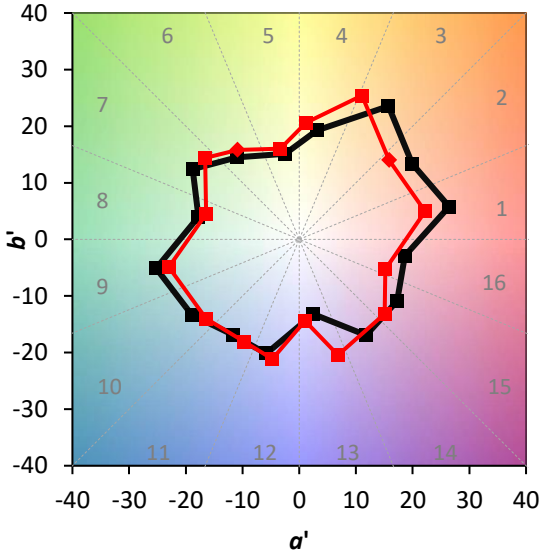
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

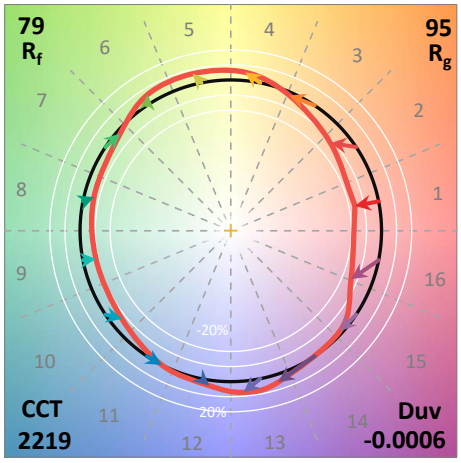
Spectral Power Distribution Comparison

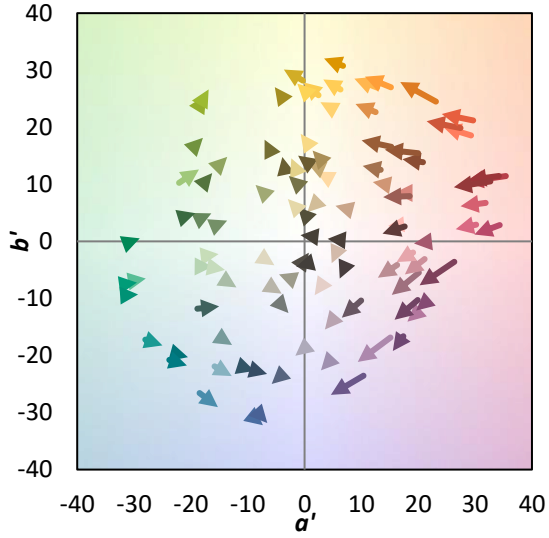


Color Vector Graphics







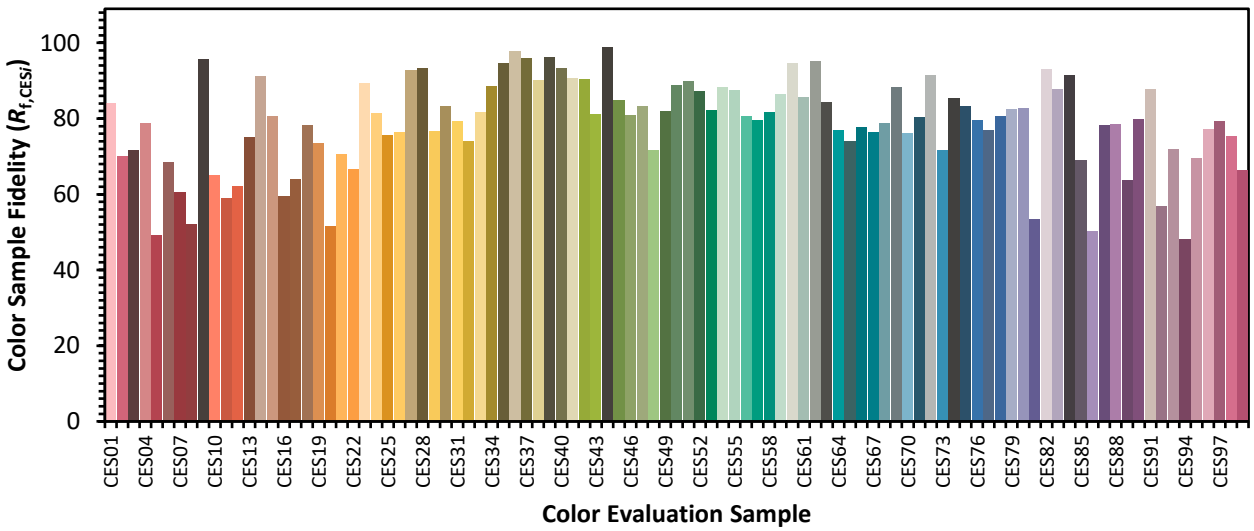


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

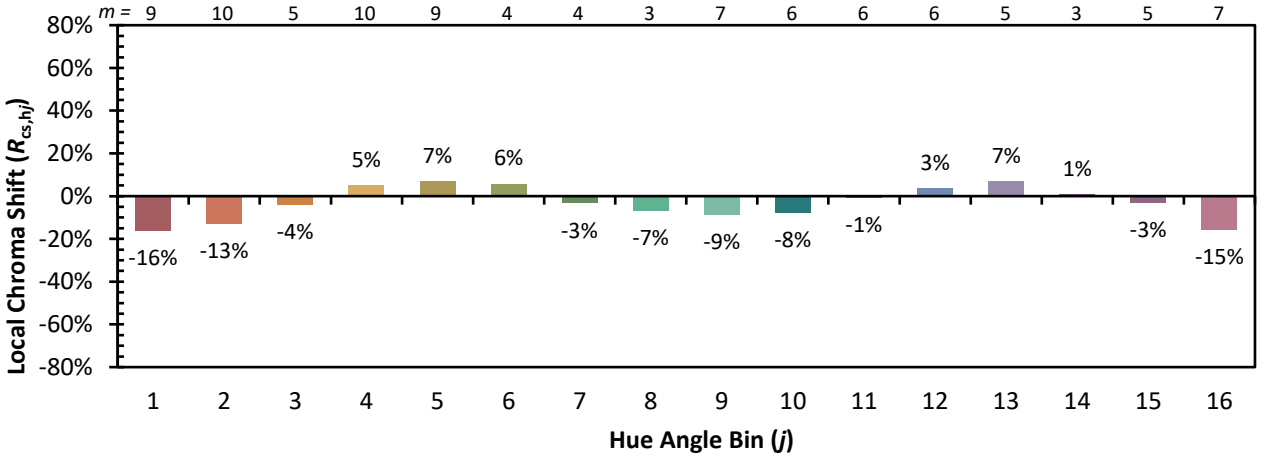
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 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	

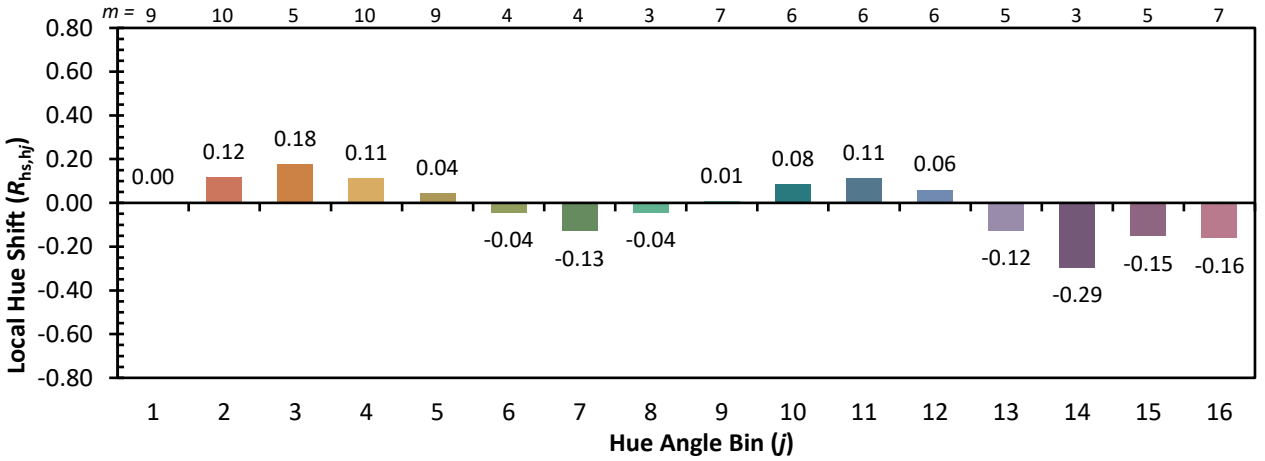


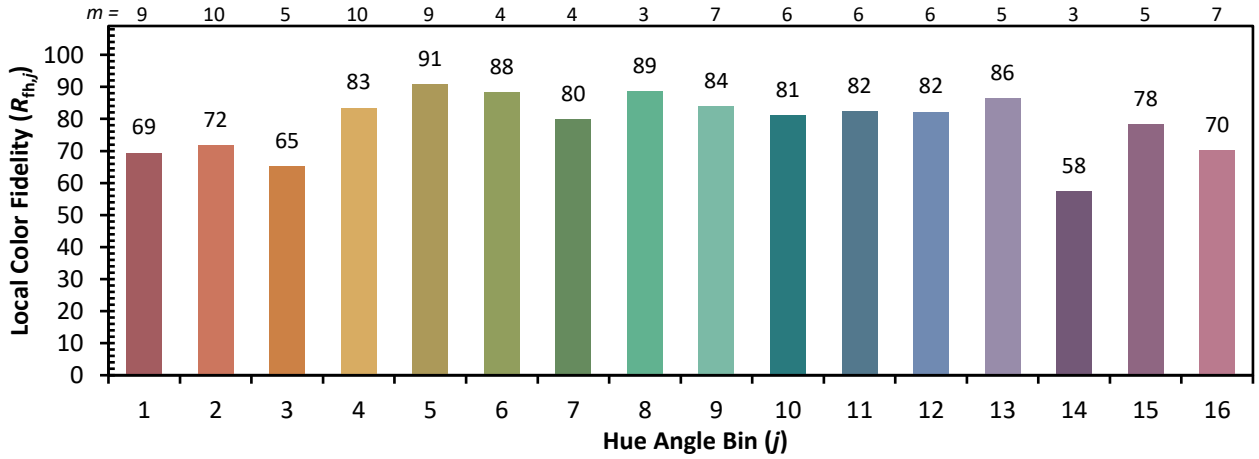
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Color Rendition by Hue-Angle Bin



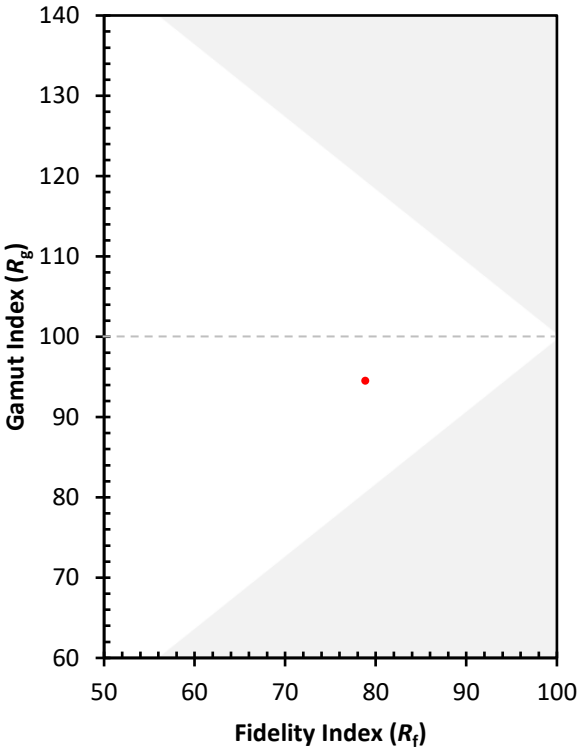


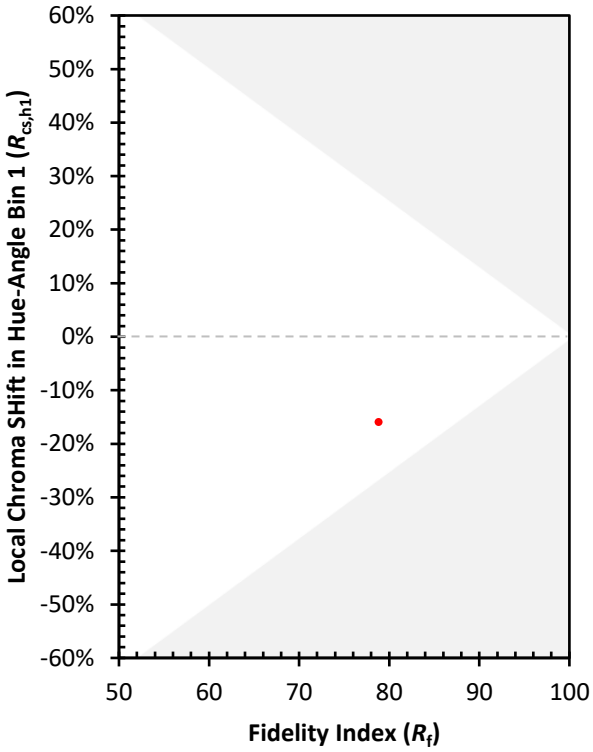


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Measure Comparisons





(END OF REPORT)