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: P1046385

Luminaire Tested: **FFX-CLB-50-730-U-FR-T4**

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:	P1046385
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7930.5 lumens
Efficiency:	N/A
Efficacy:	156.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G3

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

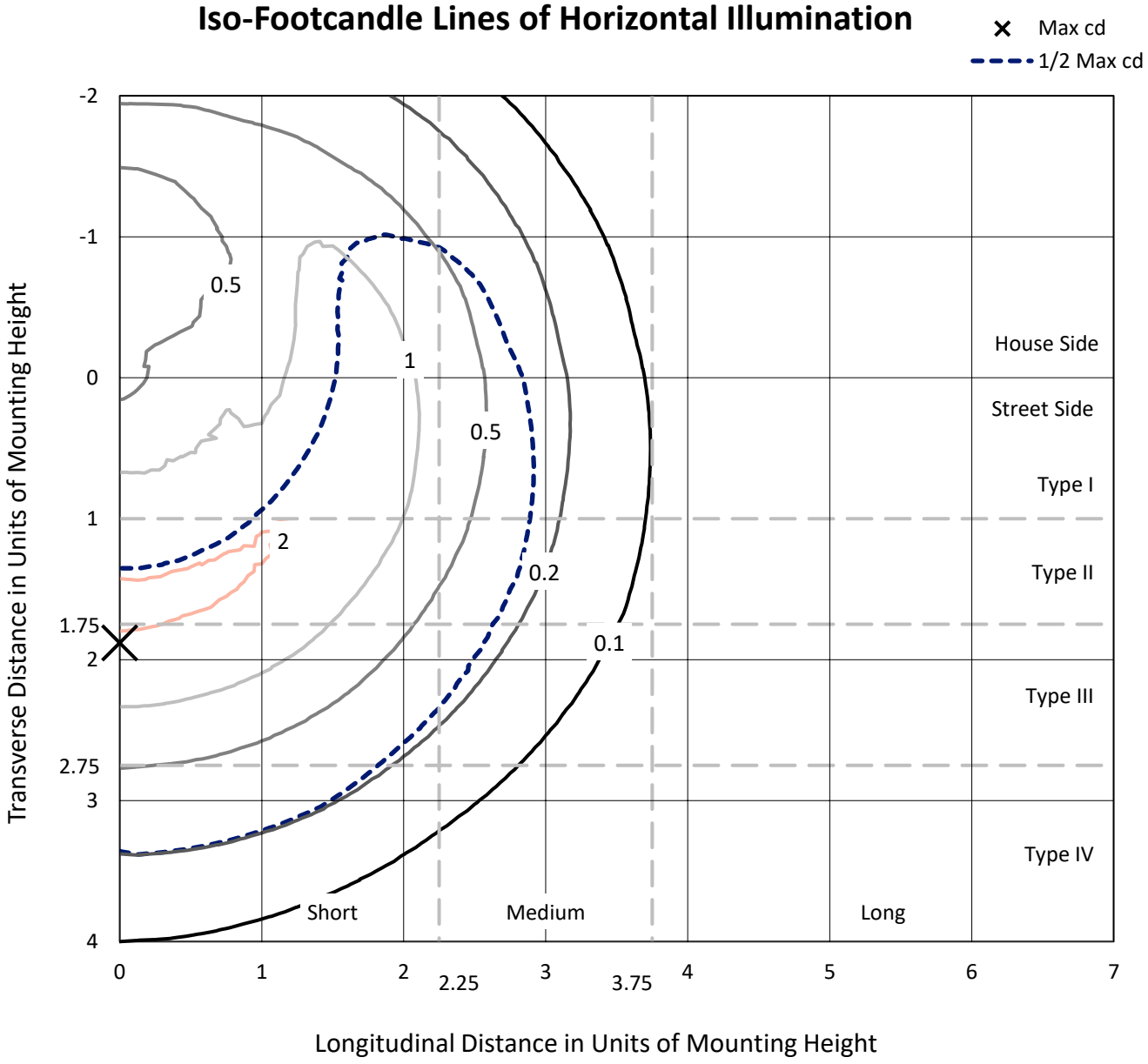


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Iso-Footcandle Lines of Horizontal Illumination



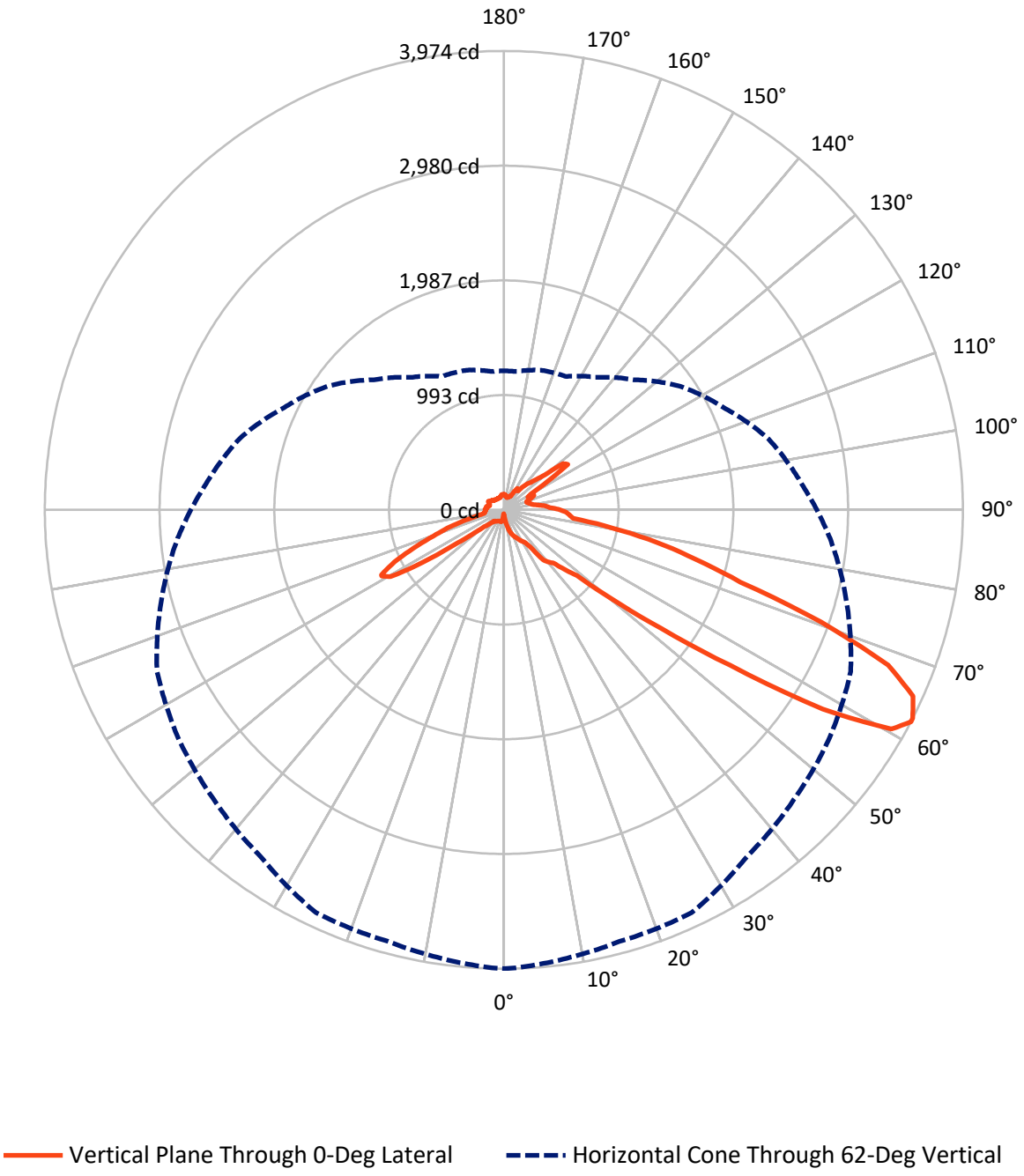
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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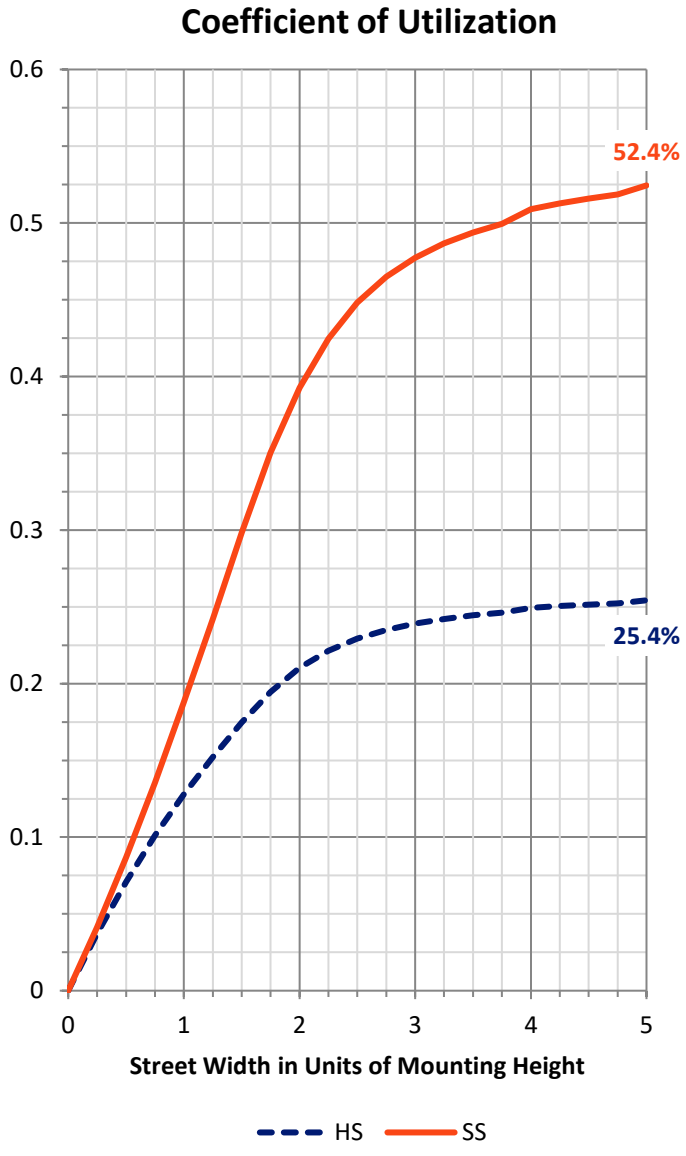
REPORT NUMBER: P1046385
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2086.6	596.2	2682.8
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	4331.9	915.7	5247.7
	% Fixture	54.6	11.5	66.2
Total	Lumens	6418.6	1512.0	7930.5
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.1
10°-20°	44.0	0.6
20°-30°	95.3	1.2
30°-40°	190.7	2.4
40°-50°	417.7	5.3
50°-60°	1462.5	18.4
60°-70°	2447.5	30.9
70°-80°	1270.4	16.0
80°-90°	482.5	6.1
90°-100°	307.7	3.9
100°-110°	203.9	2.6
110°-120°	213.0	2.7
120°-130°	355.9	4.5
130°-140°	214.2	2.7
140°-150°	113.3	1.4
150°-160°	59.6	0.8
160°-170°	32.3	0.4
170°-180°	12.1	0.2
0°-90°	6418.6	80.9
0°-180°	7930.5	100.0



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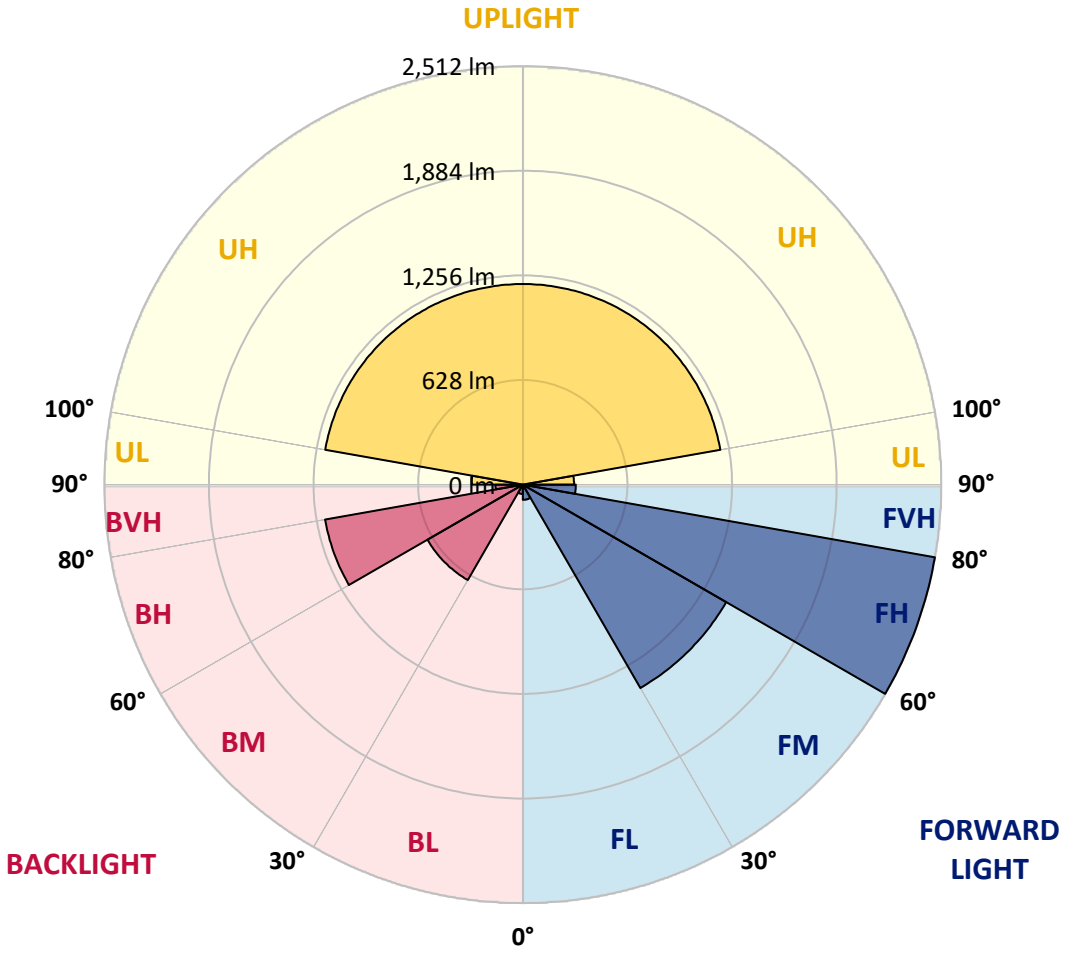
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.4	1.2			
FM	(30°-60°)	1409.9	17.8			
FH	(60°-80°)	2512.4	31.7			G2/5000
FVH	(80°-90°)	318.2	4.0			G3/500
BL	(0°-30°)	55.9	0.7	B0/110		
BM	(30°-60°)	660.9	8.3	B1/1000		
BH	(60°-80°)	1205.5	15.2	B3/2500		G3/2500
BVH	(80°-90°)	164.2	2.1			G2/225
UL	(90°-100°)	307.7	3.9		U3/500	
UH	(100°-180°)	1204.3	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	49.9	48.9	48.9	51.0	53.5	53.5	54.0	52.5	52.5	52.0	52.5
5°	72.6	70.6	71.6	72.1	73.2	74.2	75.2	75.2	73.2	71.6	67.6
7.5°	101.4	100.9	101.9	101.4	100.4	102.9	104.4	108.0	109.0	102.4	94.3
10°	130.7	129.1	128.6	129.1	129.7	128.1	131.2	133.7	130.2	122.6	115.5
12.5°	162.4	162.4	162.4	161.9	161.9	161.4	160.4	159.9	156.4	147.8	136.7
15°	197.8	198.3	199.3	198.8	196.2	192.2	189.2	186.7	184.6	178.6	164.5
17.5°	219.5	218.4	219.5	218.9	217.9	215.4	209.9	204.8	198.3	189.7	179.1
20°	239.6	239.1	238.6	238.6	237.6	234.6	231.1	223.0	214.4	205.3	193.2
22.5°	255.3	254.3	255.3	254.8	254.3	253.3	247.2	240.1	230.6	220.5	207.9
25°	275.5	274.9	275.5	273.9	273.9	272.4	268.9	259.8	249.2	238.1	222.5
27.5°	297.6	296.1	297.6	297.1	295.1	291.1	288.1	278.0	264.9	254.3	240.1
30°	316.3	316.3	317.3	314.3	316.3	312.8	305.7	294.6	283.5	269.9	255.3
32.5°	336.0	336.0	335.0	334.5	337.0	332.5	324.4	311.3	302.2	288.1	275.5
35°	391.0	386.9	393.5	393.0	405.6	396.5	381.4	363.7	349.6	331.5	314.8
37.5°	548.9	546.9	543.8	524.7	502.5	506.0	508.5	488.9	471.2	438.4	399.6
40°	593.8	593.3	592.8	581.7	587.7	571.6	563.5	553.4	550.4	507.5	455.6
42.5°	630.6	624.6	630.6	650.8	682.6	671.5	630.6	578.1	568.6	527.7	506.5
45°	730.5	726.5	736.6	742.6	732.5	714.4	726.0	687.6	661.4	603.4	564.5
47.5°	850.1	846.0	855.6	860.7	881.3	862.2	853.1	820.3	776.4	721.4	671.0
50°	1206.7	1161.3	1198.2	1185.6	1190.6	1147.7	1164.9	1118.0	1078.6	988.3	897.0
52.5°	1703.7	1688.5	1663.3	1635.1	1656.7	1610.8	1625.0	1574.0	1502.9	1397.9	1263.2
55°	2376.1	2325.2	2341.3	2399.4	2387.2	2305.0	2290.9	2166.8	2039.2	1882.3	1740.5
57.5°	3256.0	3230.8	3201.5	3162.7	3124.8	3039.6	2997.7	2858.9	2660.7	2441.7	2244.5
60°	3854.8	3834.6	3821.5	3703.0	3633.3	3461.8	3423.0	3326.6	3150.0	2911.9	2640.0
62°	3973.9	3970.8	3944.1	3870.5	3849.8	3668.1	3550.1	3442.6	3313.0	3071.3	2834.7
62.5°	3972.9	3966.8	3951.2	3889.6	3868.4	3698.4	3570.3	3456.3	3327.1	3090.0	2857.4
65°	3892.1	3878.5	3871.5	3834.6	3825.0	3725.2	3555.1	3437.6	3329.1	3067.8	2874.1
67.5°	3588.4	3604.6	3605.6	3568.8	3537.0	3477.5	3315.0	3213.1	3138.4	2866.0	2683.4
70°	2912.9	2891.2	2869.0	2886.2	2872.1	2839.8	2710.6	2582.5	2489.2	2346.4	2173.3
72.5°	2141.1	2175.4	2174.9	2179.9	2182.4	2101.2	2043.7	1970.0	1919.6	1796.0	1672.4
75°	1716.3	1719.3	1709.7	1674.4	1636.6	1589.6	1599.7	1593.2	1569.0	1438.3	1315.7
77.5°	1355.1	1321.8	1335.4	1279.9	1231.0	1230.5	1250.1	1269.3	1279.9	1175.0	1080.1
80°	954.0	946.4	934.3	939.4	899.0	909.6	919.2	932.3	911.6	849.6	805.7
82.5°	602.4	595.8	586.2	632.6	671.5	662.9	632.1	582.7	571.1	575.6	565.5
85°	569.6	569.1	560.5	555.9	549.9	536.3	543.8	554.4	548.4	514.1	469.7
87.5°	537.8	536.3	529.7	527.2	515.6	514.1	521.1	525.2	527.7	496.9	459.6
90°	471.2	465.1	459.1	464.1	462.6	463.6	465.6	464.6	465.6	429.3	413.7
92.5°	393.0	391.5	386.9	389.5	393.0	407.1	401.1	391.5	390.0	375.3	360.2
95°	358.7	359.7	354.2	357.7	358.7	358.7	354.7	350.1	346.6	335.0	321.4
97.5°	297.1	292.6	290.6	293.1	294.1	290.6	288.1	280.5	280.0	268.4	261.8
100°	252.7	251.7	250.7	253.8	254.8	253.3	253.8	249.2	248.7	242.2	235.1
102.5°	236.1	235.6	235.1	237.6	238.6	237.6	236.1	231.6	232.6	225.5	220.5
105°	223.0	223.0	222.5	224.0	221.0	219.5	217.4	217.4	218.4	212.9	205.3
107.5°	208.4	207.9	208.4	207.9	204.3	202.8	202.3	200.8	204.3	201.3	193.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*210.9*	210.9	210.4	204.8	202.8	200.3	199.3	201.8	200.8	195.7	190.7
112.5°	*258.3*	255.3	257.3	249.7	246.2	248.2	249.2	251.2	255.3	247.2	239.6
115°	*288.6*	289.1	294.1	294.1	286.6	290.1	290.1	289.6	293.6	287.6	280.0
117.5°	*235.6*	238.6	254.8	244.7	247.2	249.2	236.6	232.1	231.1	232.6	248.7
120°	*271.4*	267.4	282.5	250.7	241.1	241.1	250.2	261.8	249.2	230.0	235.1
122.5°	*444.0*	444.5	445.0	458.6	457.1	461.1	454.0	445.0	418.7	419.2	395.5
125°	*679.5*	673.0	673.0	666.9	665.9	656.3	668.4	676.0	655.8	621.5	584.2
127.5°	*650.3*	664.4	659.4	644.2	629.6	624.6	638.7	662.4	650.8	620.5	586.2
130°	*461.6*	465.1	464.1	480.3	484.3	479.3	484.3	467.2	469.7	476.7	458.6
132.5°	*386.9*	384.9	392.0	414.2	422.8	412.7	398.5	385.9	386.4	401.6	400.6
135°	*333.5*	332.0	337.0	338.0	347.6	339.5	326.9	326.9	329.9	333.5	332.0
137.5°	*301.2*	299.2	300.7	289.1	277.5	277.0	287.1	292.6	289.6	286.0	282.0
140°	*259.3*	260.3	257.8	248.2	243.2	244.2	250.7	259.3	256.8	249.2	243.2
142.5°	*206.3*	204.3	207.3	214.4	224.5	224.5	214.4	203.8	203.3	206.8	211.9
145°	*203.3*	202.3	202.8	201.3	203.3	201.3	198.3	195.2	191.7	189.2	187.2
147.5°	*220.5*	220.5	220.0	217.4	215.4	211.9	212.9	216.4	218.4	216.4	213.4
150°	*179.1*	180.6	180.6	180.1	178.1	179.6	181.6	182.6	184.6	184.6	181.6
152.5°	*137.7*	137.2	138.7	136.7	136.2	137.2	139.7	141.8	142.3	142.3	138.2
155°	*131.2*	130.2	131.2	130.2	129.1	130.2	132.2	133.2	134.2	132.7	128.6
157.5°	*122.6*	122.6	122.6	121.6	122.1	122.1	123.1	123.6	124.1	123.6	122.6
160°	*116.0*	116.0	116.5	116.0	116.0	117.0	116.5	116.0	116.0	115.5	115.0
162.5°	*112.0*	112.0	112.0	112.0	111.5	111.5	112.0	111.5	111.0	110.5	111.5
165°	*110.0*	109.5	109.5	109.5	110.0	109.5	109.5	109.5	109.0	110.5	112.5
167.5°	*114.0*	113.0	113.5	114.0	114.0	113.5	113.5	113.5	114.5	116.0	117.5
170°	*119.6*	119.1	119.1	119.6	119.6	119.1	119.1	119.1	119.6	120.1	120.6
172.5°	*124.1*	123.6	123.6	123.6	123.1	122.6	122.6	122.6	122.6	122.6	123.1
175°	*128.6*	128.6	128.6	128.6	128.1	127.6	127.6	127.6	127.6	127.6	127.6
177.5°	*133.7*	133.2	133.7	133.2	133.2	133.2	132.7	132.2	131.7	131.7	131.7
180°	*132.7*	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	51.5	51.0	47.9	45.4	43.4	41.4	38.3	35.8	33.8	33.3	33.3
5°	66.6	65.6	62.6	58.5	56.5	53.5	50.4	48.4	45.9	44.9	45.4
7.5°	91.8	92.3	93.3	95.3	94.3	85.8	76.2	74.2	76.2	79.2	80.7
10°	114.0	112.5	112.0	118.6	117.0	104.4	91.8	87.8	91.3	97.9	100.9
12.5°	132.2	129.1	128.6	129.7	123.6	110.0	99.4	94.8	96.9	101.9	101.4
15°	158.9	154.4	147.8	143.8	136.2	126.6	113.5	105.9	105.9	105.9	105.4
17.5°	174.6	169.5	156.9	145.3	135.7	128.6	120.1	113.0	105.4	104.4	103.9
20°	188.2	180.6	167.0	154.4	142.3	132.2	120.1	111.5	104.9	103.9	103.4
22.5°	199.8	192.7	178.1	163.0	147.8	136.2	123.1	114.0	107.5	105.4	104.9
25°	215.4	207.9	191.2	173.5	155.9	141.3	129.1	118.6	110.5	106.4	106.4
27.5°	231.1	222.5	203.8	185.7	166.5	148.3	134.7	124.1	114.0	108.5	108.0
30°	246.2	236.6	216.4	195.7	176.6	157.4	141.8	129.7	118.6	112.5	112.0
32.5°	267.4	256.3	232.6	206.8	187.7	167.0	149.3	135.2	123.6	117.5	116.5
35°	308.7	296.1	269.4	236.1	205.8	178.1	156.9	138.2	127.1	120.6	120.1
37.5°	385.4	370.8	333.5	292.6	251.2	209.4	170.5	142.3	129.7	123.6	122.6
40°	431.3	402.6	363.2	330.9	299.7	259.3	209.4	165.0	134.7	127.6	126.6
42.5°	490.9	461.1	404.1	342.5	302.7	270.9	235.6	206.8	163.5	138.2	133.7
45°	547.4	524.7	475.7	410.2	349.6	294.6	250.7	223.0	195.2	166.5	161.9
47.5°	642.2	608.9	544.3	477.2	415.7	354.2	302.2	248.2	212.4	195.2	194.2
50°	885.4	824.8	731.5	651.3	535.3	440.9	379.4	307.2	261.3	234.6	226.0
52.5°	1199.7	1136.6	1030.2	914.1	785.5	663.9	543.3	439.9	365.3	318.3	319.8
55°	1667.8	1604.8	1448.4	1249.6	1073.1	946.4	817.3	691.7	571.6	502.5	493.9
57.5°	2161.7	2105.2	1971.5	1728.9	1447.9	1213.8	1060.4	971.6	910.1	834.9	834.9
60°	2524.0	2430.1	2278.8	2034.1	1784.9	1477.1	1280.4	1153.3	1142.2	1129.0	1139.1
62°	*2709.1*	*2588.0*	*2372.1*	*2097.2*	*1865.6*	*1591.7*	*1400.5*	*1274.3*	*1252.1*	*1202.7*	*1203.7*
62.5°	2740.4	2606.7	2387.8	2097.2	1872.7	1601.8	1413.6	1290.5	1259.7	1199.2	1200.2
65°	2771.7	2610.7	2399.4	2063.4	1832.8	1566.9	1422.2	1261.7	1181.0	1079.6	1049.8
67.5°	2592.1	2427.1	2246.0	1918.6	1678.9	1422.2	1261.7	1100.8	969.1	866.2	850.1
70°	2105.2	1975.6	1835.8	1585.6	1376.2	1168.4	1032.2	886.9	755.7	642.2	649.3
72.5°	1597.7	1476.6	1348.5	1189.6	1059.4	919.7	799.1	682.1	573.1	502.5	515.6
75°	1237.5	1156.8	1066.0	950.5	851.6	722.4	585.2	481.3	407.6	364.7	367.3
77.5°	1017.6	933.8	859.7	753.7	659.9	527.7	395.5	306.7	263.8	244.7	239.6
80°	782.5	721.4	655.8	561.0	457.6	355.7	265.9	224.5	196.2	182.1	176.6
82.5°	546.4	508.5	453.5	384.9	325.4	288.1	249.2	214.4	185.1	172.0	166.0
85°	450.0	429.8	399.6	360.7	325.4	284.0	240.6	205.3	180.1	170.0	164.5
87.5°	438.4	424.8	390.5	349.1	306.7	264.4	220.5	187.7	171.5	165.0	159.9
90°	402.1	386.4	362.2	321.4	283.5	238.1	202.3	182.6	170.5	163.0	157.4
92.5°	350.6	342.0	319.8	290.6	264.4	235.1	209.4	191.7	179.1	170.0	164.5
95°	311.8	301.7	289.1	265.4	243.7	220.0	196.2	179.6	166.5	156.9	152.4
97.5°	256.3	249.2	237.1	221.5	205.3	186.2	169.5	158.4	149.8	145.3	142.3
100°	232.6	228.0	221.0	209.9	196.8	183.1	171.0	165.0	161.4	158.4	156.9
102.5°	215.4	210.4	204.8	193.2	183.1	171.0	163.0	157.9	153.4	148.3	147.3
105°	200.3	196.2	188.7	179.1	169.0	157.4	147.8	144.8	140.8	136.2	135.7
107.5°	188.7	184.6	178.1	168.0	158.9	148.8	140.2	135.7	131.2	128.6	128.1

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

Scaled Data Report

REPORT NUMBER: P1046385
CATALOG NUMBER: FFX-CLB-50-730-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	187.7	184.6	177.6	169.0	161.9	151.9	142.3	140.8	135.7	129.7	129.1
112.5°	234.1	224.5	210.9	196.8	184.6	174.6	162.4	150.3	140.2	134.2	133.2
115°	271.4	261.8	245.2	224.5	205.3	183.6	163.0	147.8	142.3	140.8	142.8
117.5°	255.3	235.1	206.8	194.2	177.6	166.0	157.9	154.4	145.3	147.8	150.3
120°	245.2	231.6	206.8	204.8	197.3	184.1	165.5	161.4	156.4	152.4	151.9
122.5°	394.0	380.9	352.6	309.8	263.3	232.1	220.5	196.2	167.0	144.8	141.3
125°	558.5	537.3	481.8	434.4	372.8	306.7	247.2	196.2	156.4	135.2	132.7
127.5°	569.6	545.9	497.4	433.4	355.2	274.4	212.9	176.1	149.3	135.2	132.7
130°	444.0	428.8	393.0	333.0	279.0	231.1	196.2	166.5	142.3	131.7	130.2
132.5°	392.5	378.9	327.9	278.0	242.2	205.3	176.1	147.8	127.1	120.1	119.1
135°	324.4	309.3	275.5	244.7	218.4	188.7	159.4	135.2	120.6	117.0	116.5
137.5°	277.0	269.9	244.7	223.0	199.3	173.5	149.3	130.7	121.6	118.6	118.1
140°	239.1	237.6	222.0	202.8	179.1	151.9	133.2	122.1	118.6	117.0	116.5
142.5°	211.4	209.4	192.2	170.0	148.8	134.7	127.6	124.1	121.1	117.0	116.0
145°	183.1	179.6	169.0	159.4	152.9	148.3	141.8	130.7	119.1	113.0	112.5
147.5°	208.4	202.3	190.7	177.1	163.0	148.3	134.7	123.1	113.5	110.0	109.5
150°	175.1	174.6	167.0	156.4	145.8	132.7	122.6	115.0	111.0	110.5	110.5
152.5°	135.7	135.7	135.7	133.2	128.1	121.1	113.5	109.0	109.0	111.0	111.5
155°	127.6	128.1	128.6	127.6	123.6	117.0	110.5	108.5	109.0	111.0	111.5
157.5°	121.6	121.6	122.1	121.1	119.1	114.5	110.0	108.0	108.5	109.5	110.0
160°	114.5	114.5	115.0	115.0	113.0	111.5	109.5	108.0	108.0	108.5	109.0
162.5°	112.0	112.0	112.0	112.0	111.5	111.5	111.5	111.5	111.0	111.0	111.0
165°	113.0	113.0	111.5	111.0	112.0	113.5	116.0	116.5	114.0	113.5	113.5
167.5°	118.1	118.1	116.5	115.5	117.0	118.6	122.1	123.1	121.1	119.1	119.1
170°	121.1	121.1	121.1	121.6	122.1	123.6	125.6	126.6	126.1	125.6	125.6
172.5°	123.1	123.1	124.1	125.1	126.6	127.6	128.6	129.7	130.7	130.7	131.2
175°	127.1	127.6	128.6	129.1	130.2	131.2	132.2	133.2	133.7	133.7	133.7
177.5°	131.2	131.2	131.2	131.7	132.2	132.7	133.2	133.7	133.7	134.2	134.7
180°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

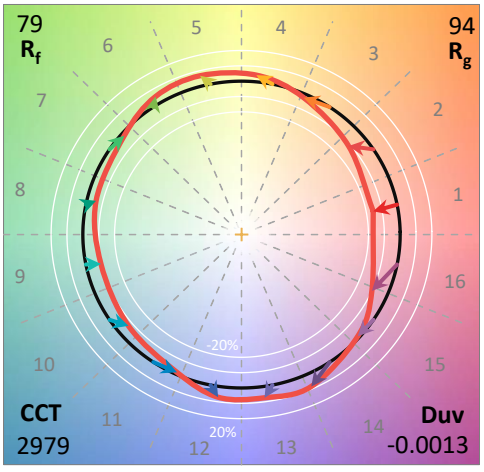
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

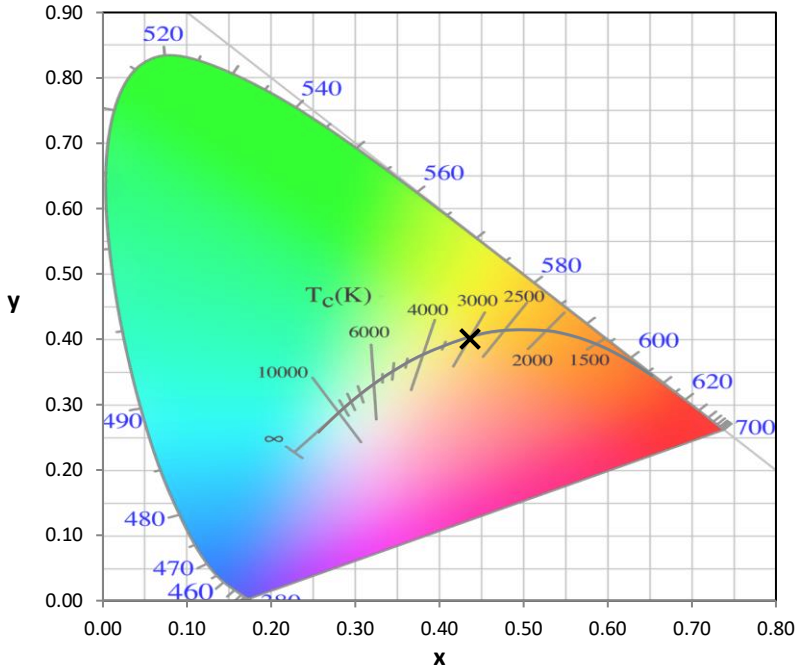
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

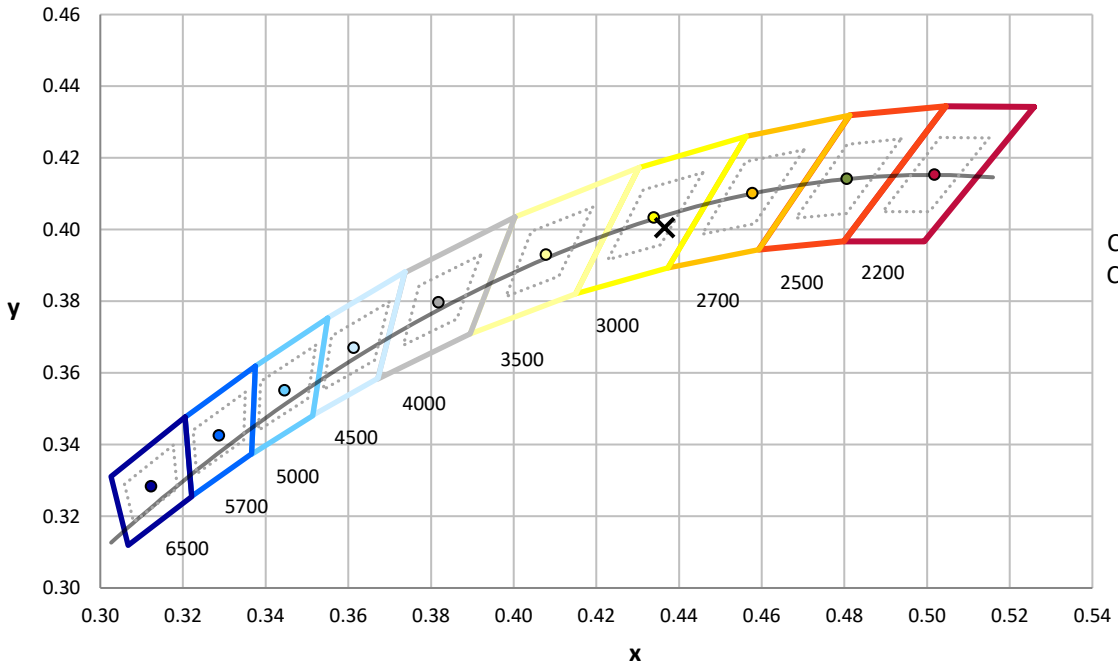
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

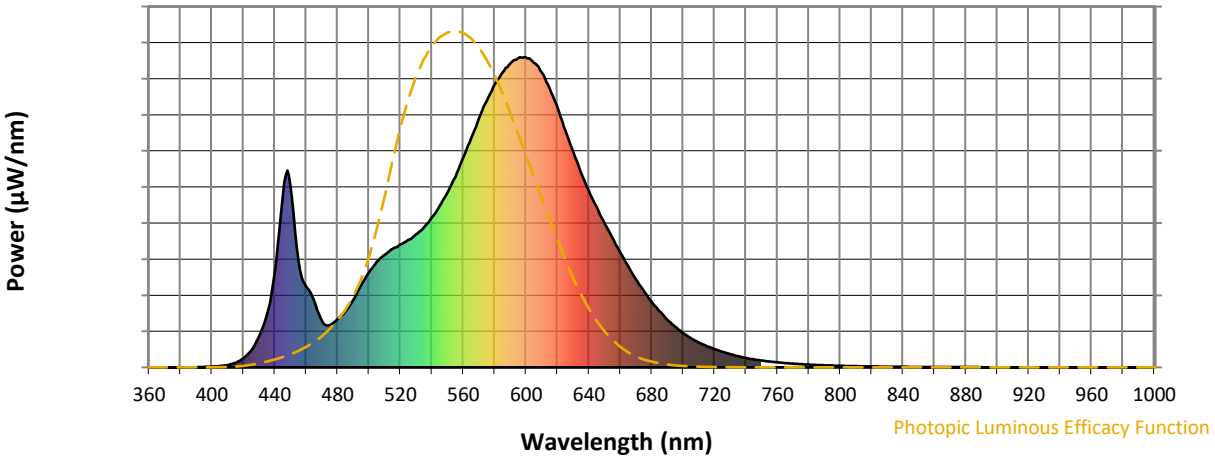


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

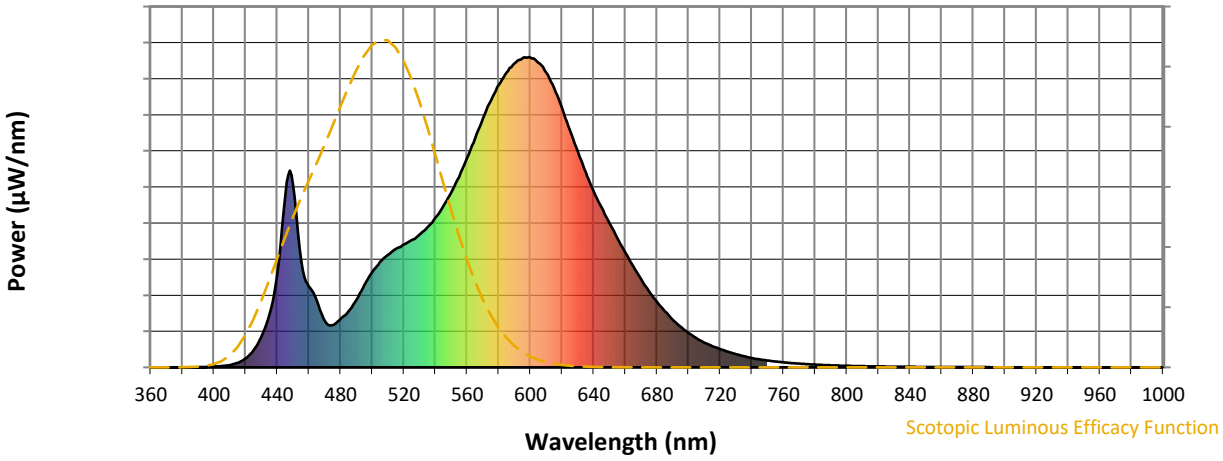


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

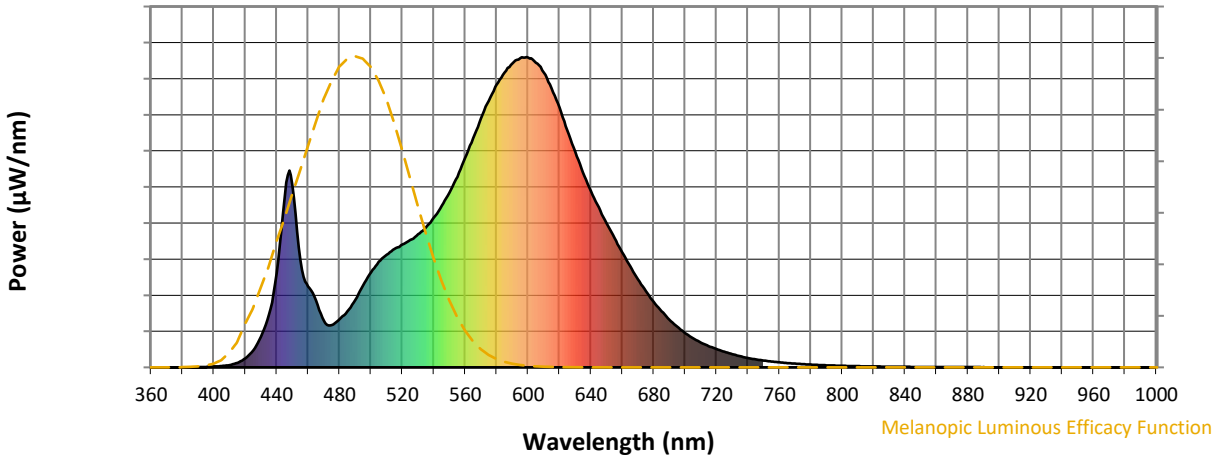


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

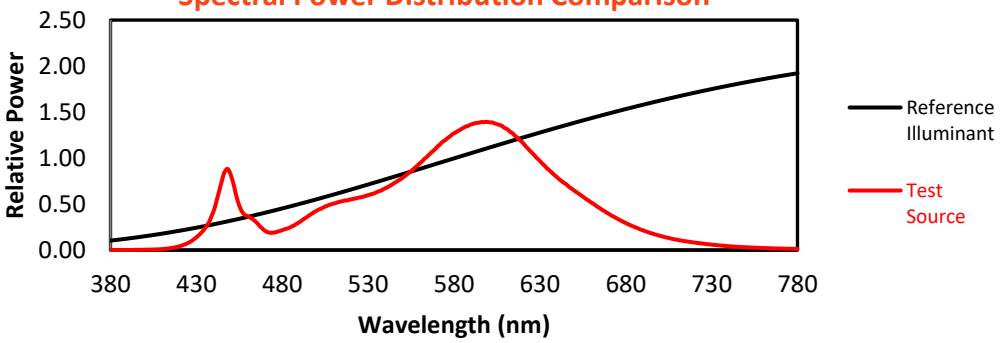
REPORT NUMBER: SP1-2501-332-9

TM-30-18

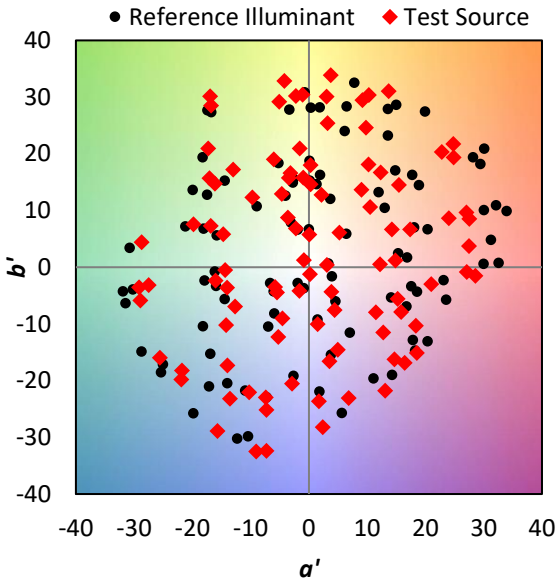
Summary

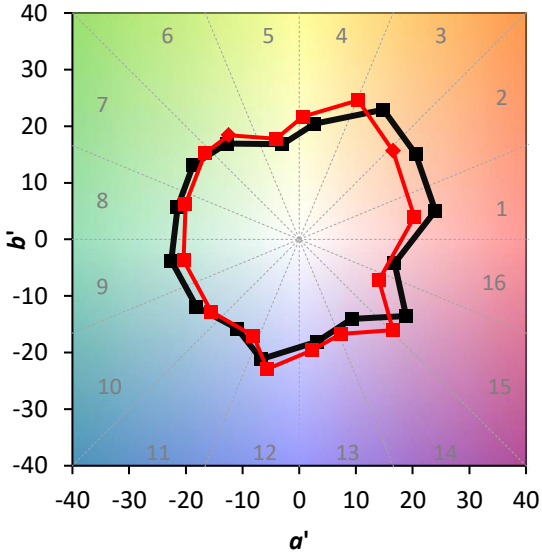
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

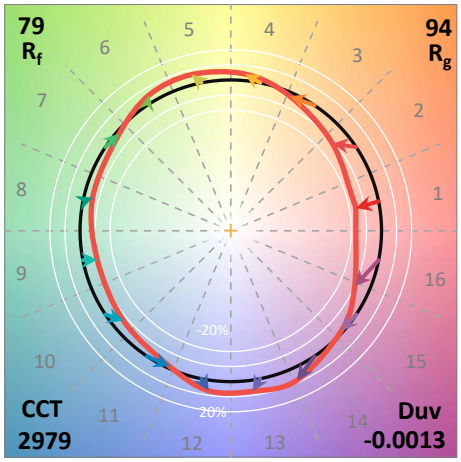
Spectral Power Distribution Comparison

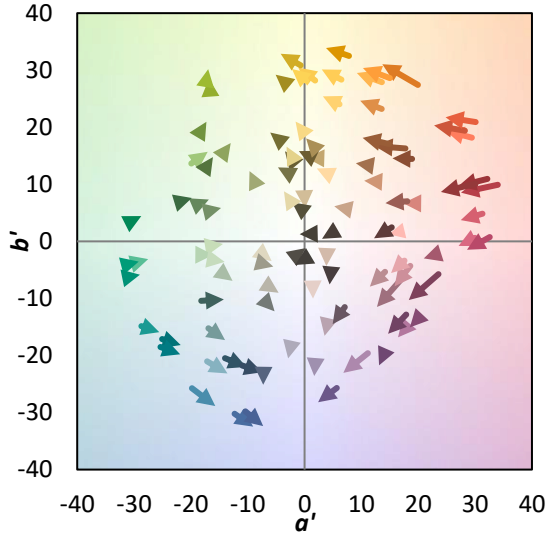


Color Vector Graphics







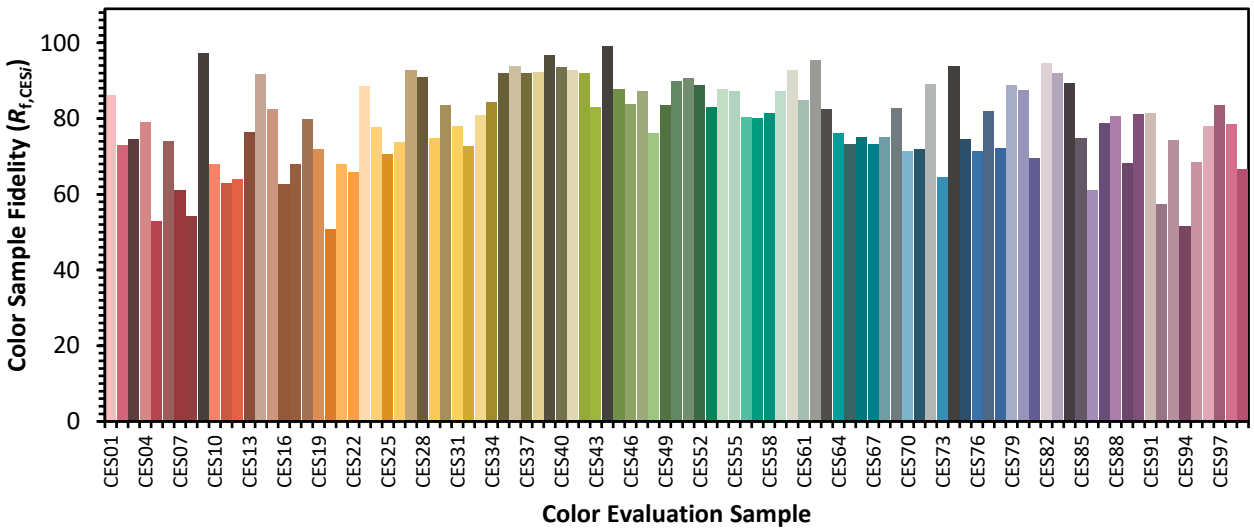


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

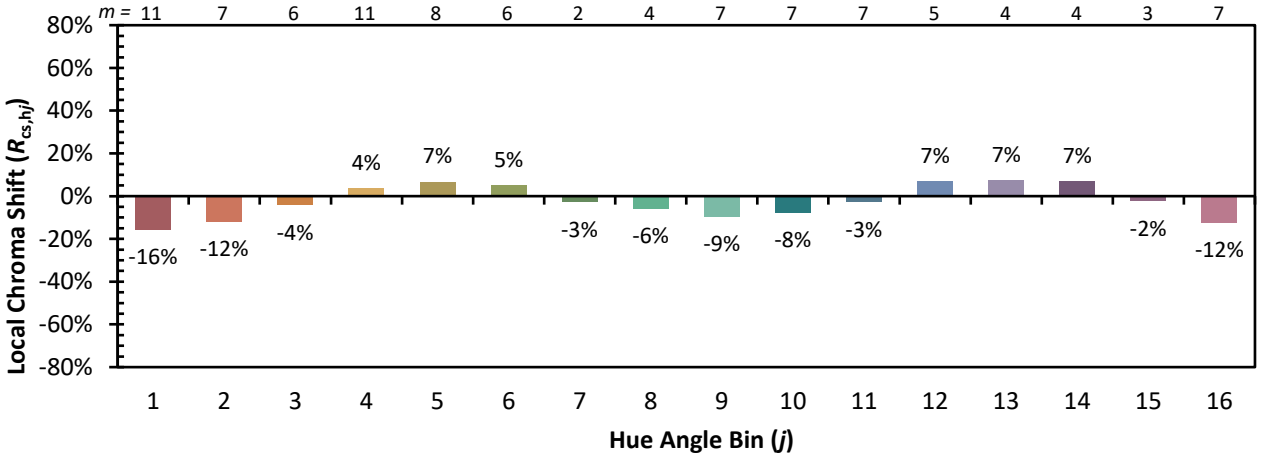
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

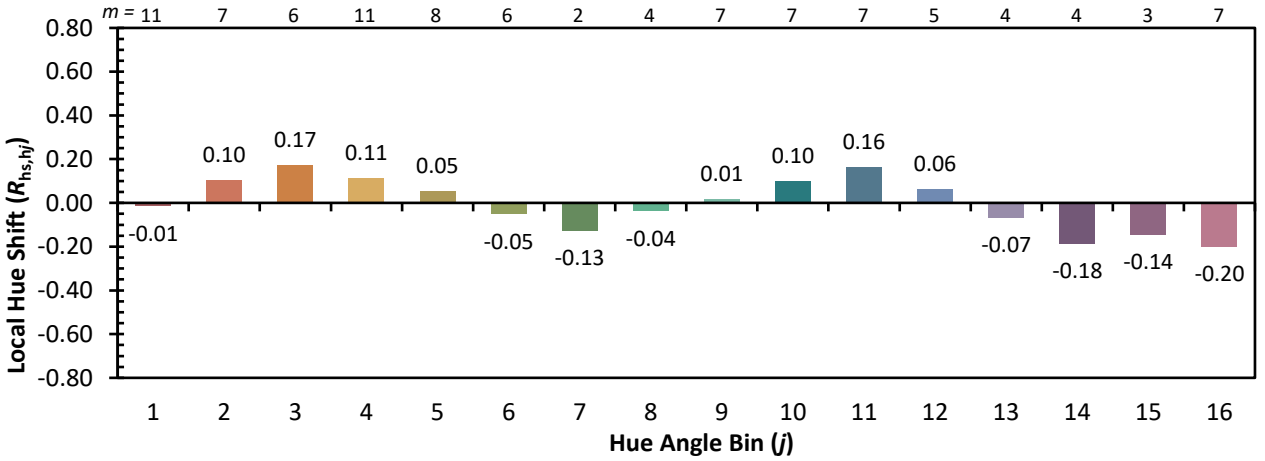


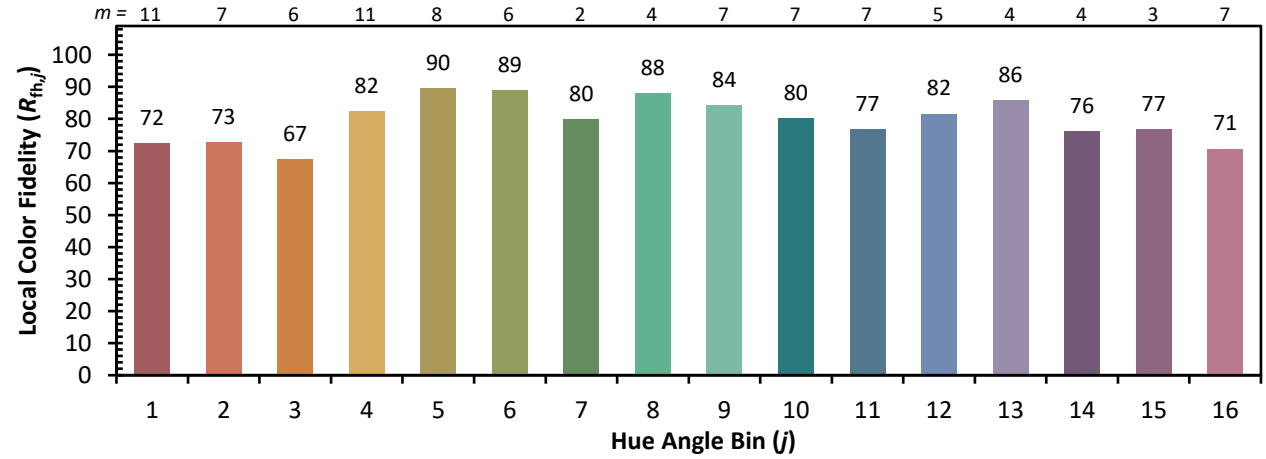
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Color Rendition by Hue-Angle Bin



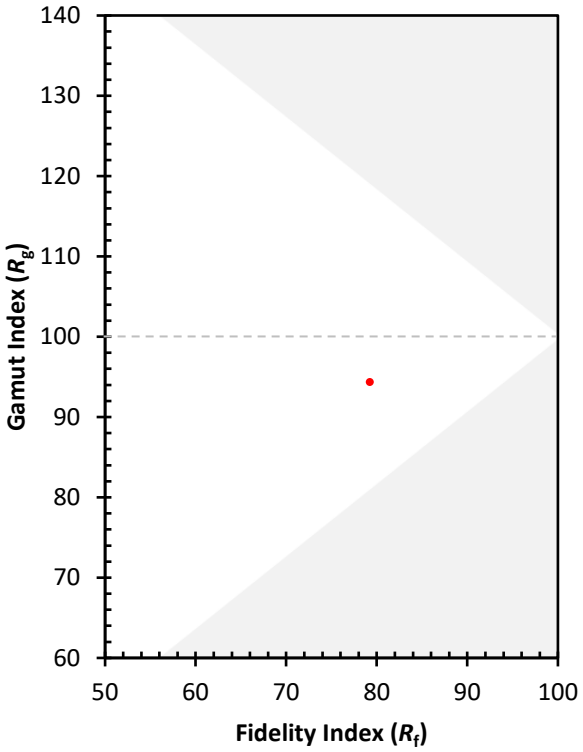


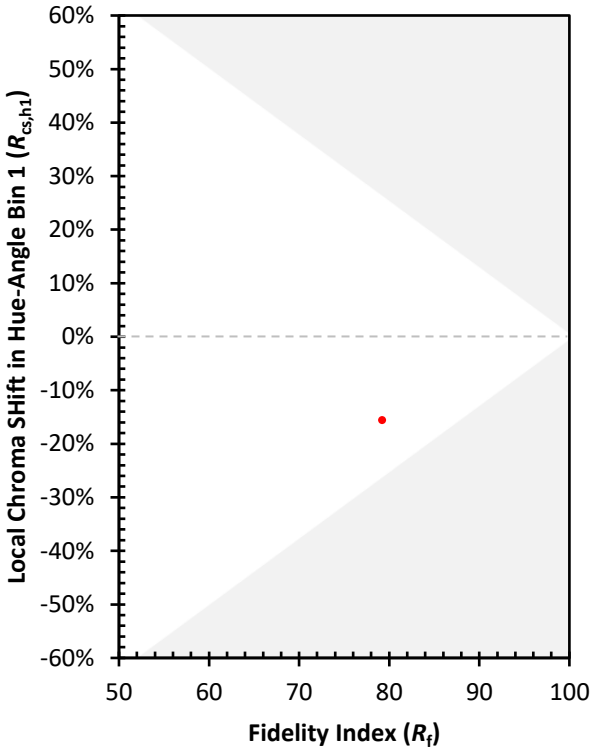


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Measure Comparisons





(END OF REPORT)