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: P1045816

Luminaire Tested: **FFX-CLB-70-750-U-FR-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045816
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-750-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7766.7 lumens
Efficiency:	N/A
Efficacy:	109.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G3

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

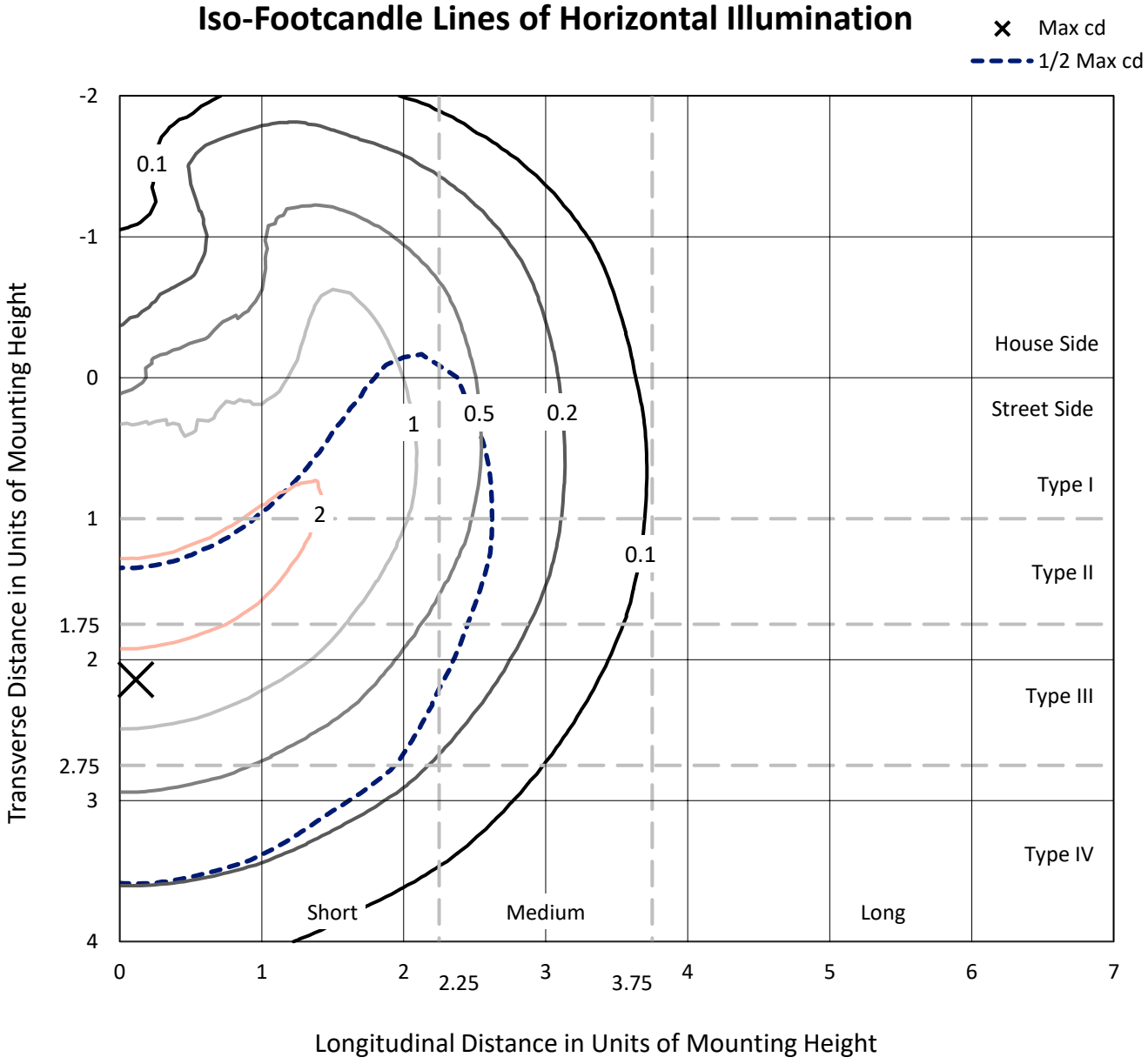


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Iso-Footcandle Lines of Horizontal Illumination



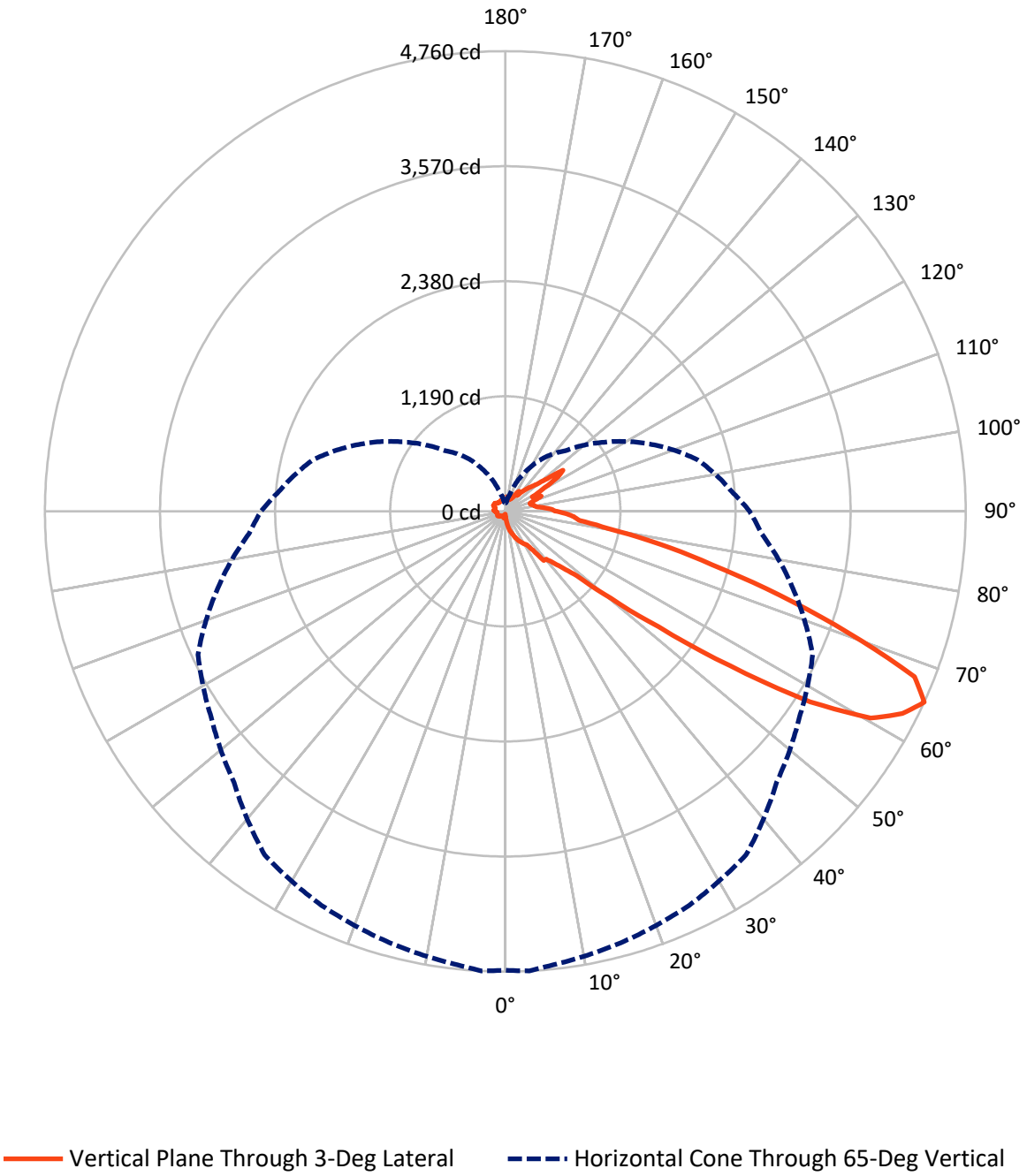
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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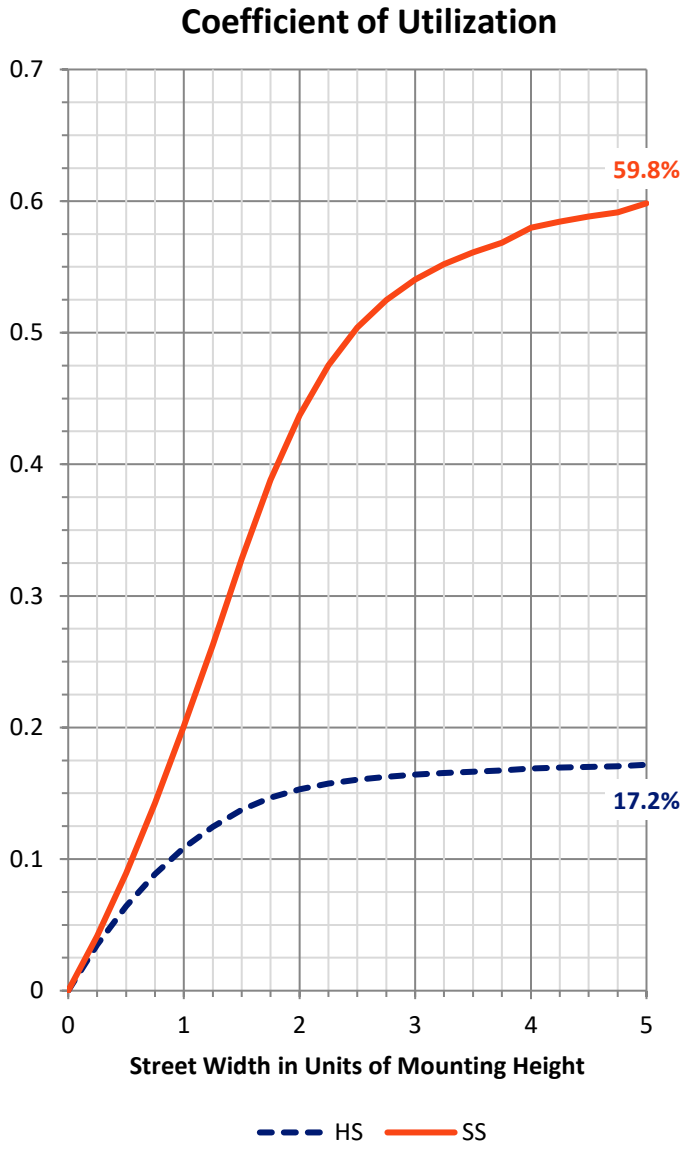
REPORT NUMBER: P1045816
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1384.6	539.0	1923.6
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	4840.1	1003.0	5843.1
	% Fixture	62.3	12.9	75.2
Total	Lumens	6224.7	1542.0	7766.7
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	44.0	0.6
20°-30°	96.9	1.2
30°-40°	193.4	2.5
40°-50°	417.4	5.4
50°-60°	1427.3	18.4
60°-70°	2319.3	29.9
70°-80°	1248.0	16.1
80°-90°	470.2	6.1
90°-100°	296.7	3.8
100°-110°	210.8	2.7
110°-120°	232.7	3.0
120°-130°	355.5	4.6
130°-140°	213.3	2.7
140°-150°	117.8	1.5
150°-160°	65.5	0.8
160°-170°	36.3	0.5
170°-180°	13.4	0.2
0°-90°	6224.7	80.1
0°-180°	7766.7	100.0



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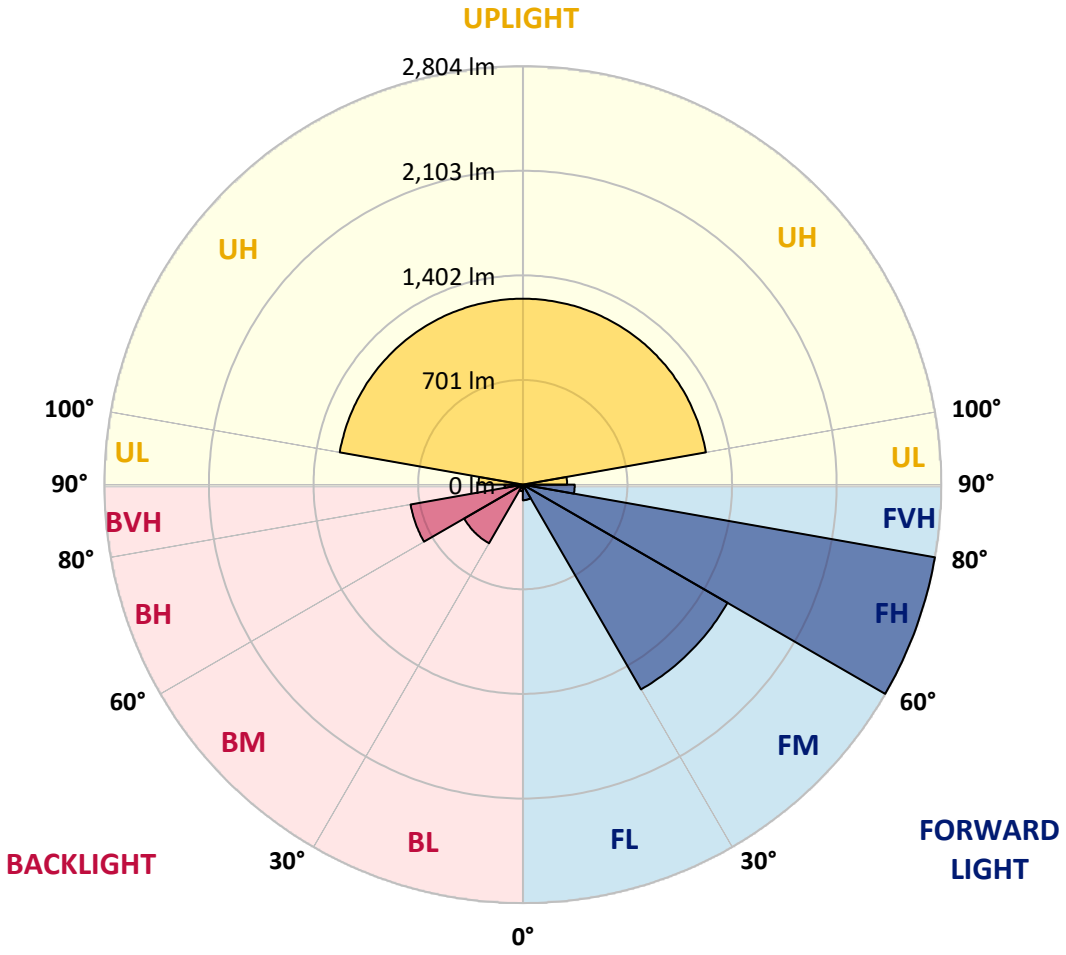
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	104.7	1.3			
FM	(30°-60°)	1584.1	20.4			
FH	(60°-80°)	2803.7	36.1			G2/5000
FVH	(80°-90°)	347.5	4.5			G3/500
BL	(0°-30°)	44.2	0.6	B0/110		
BM	(30°-60°)	454.0	5.8	B1/1000		
BH	(60°-80°)	763.7	9.8	B2/1000		G2/1000
BVH	(80°-90°)	122.7	1.6			G2/225
UL	(90°-100°)	296.7	3.8		U3/500	
UH	(100°-180°)	1245.3	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2.5°	61.8	62.6	62.6	62.6	64.4	65.3	64.4	61.8	58.3	56.6	54.8
5°	89.6	91.4	90.5	90.5	88.7	88.7	86.1	84.4	82.7	76.6	70.5
7.5°	124.4	122.7	121.8	120.1	120.9	116.6	113.1	113.1	110.5	104.4	94.8
10°	161.0	161.0	158.3	157.5	155.7	154.0	147.9	144.4	144.4	134.0	122.7
12.5°	201.0	200.1	201.0	199.2	196.6	192.3	185.3	177.5	173.1	163.6	147.0
15°	227.1	226.2	226.2	225.3	223.6	219.2	214.0	206.2	194.9	185.3	169.7
17.5°	254.9	253.2	253.2	248.8	245.3	240.1	235.8	227.9	214.0	196.6	181.8
20°	285.4	285.4	285.4	279.3	272.3	265.4	259.3	252.3	241.9	215.8	194.9
22.5°	314.1	314.9	314.1	308.0	301.9	290.6	281.0	272.3	261.9	235.8	210.5
25°	341.9	343.7	342.8	342.8	335.0	320.2	307.1	294.1	287.1	261.0	226.2
27.5°	366.3	367.1	368.0	372.4	368.0	351.5	330.6	314.9	309.7	281.0	239.3
30°	389.8	392.4	392.4	396.7	395.9	377.6	352.4	335.0	324.5	296.7	252.3
32.5°	412.4	414.1	415.0	425.4	424.6	400.2	378.5	359.3	341.9	321.0	274.9
35°	494.2	491.6	504.6	512.4	506.3	484.6	458.5	422.8	398.5	374.1	324.5
37.5°	646.4	644.7	644.7	627.3	602.9	577.7	570.7	533.3	503.7	472.4	404.6
40°	650.8	650.8	653.4	672.5	684.7	652.5	622.1	585.5	579.4	547.2	464.6
42.5°	714.3	721.2	728.2	741.2	763.0	742.1	707.3	649.0	621.2	588.1	517.7
45°	822.2	832.6	829.1	834.3	829.1	810.8	808.2	776.0	734.3	670.8	575.9
47.5°	1000.5	994.4	990.9	1011.8	1045.7	1011.8	1004.0	952.7	872.6	791.7	683.8
50°	1439.0	1412.9	1439.9	1435.5	1429.4	1398.1	1374.6	1323.3	1192.8	1061.4	905.7
52.5°	2026.2	1983.6	2008.0	2024.5	2007.1	1962.7	1892.3	1792.2	1616.5	1446.8	1241.5
55°	2879.7	2820.5	2828.4	2849.3	2861.4	2760.5	2659.6	2438.6	2175.0	1913.1	1690.4
57.5°	3821.9	3715.8	3785.4	3668.8	3620.9	3440.9	3355.6	3132.0	2822.3	2472.5	2113.2
60°	4352.6	4341.3	4328.3	4237.8	4187.3	3985.5	3785.4	3575.7	3298.2	2884.9	2464.7
62.5°	4583.2	4607.5	4588.4	4541.4	4496.2	4318.7	3970.7	3721.9	3496.5	3072.0	2652.6
65°	4745.9	4759.8	4727.6	4618.8	4496.2	4337.8	3966.3	3712.3	3506.1	3078.1	2660.5
67.5°	4559.7	4562.3	4523.1	4382.2	4133.4	3994.2	3634.0	3412.1	3210.3	2844.9	2454.3
70°	3755.8	3763.6	3739.3	3614.0	3405.2	3284.3	2937.1	2709.2	2556.9	2304.6	2016.7
72.5°	2927.6	2961.5	2926.7	2877.1	2678.7	2589.1	2356.0	2171.5	2031.5	1793.9	1561.7
75°	2201.1	2208.9	2209.8	2154.1	2049.7	2029.7	1869.6	1747.8	1626.0	1431.2	1260.6
77.5°	1596.5	1631.3	1619.1	1609.5	1472.9	1480.7	1417.2	1345.0	1268.5	1138.8	1017.0
80°	1059.7	1077.9	1056.2	1061.4	1043.1	1038.8	979.6	930.9	883.9	823.9	776.0
82.5°	772.6	769.1	767.3	757.8	743.9	746.5	716.9	656.9	600.3	588.1	543.8
85°	714.3	711.7	709.1	691.7	662.1	643.8	627.3	602.9	568.1	513.3	455.9
87.5°	624.7	625.5	619.4	601.2	582.0	576.8	563.8	548.1	530.7	489.8	439.4
90°	514.2	511.6	512.4	502.0	505.5	503.7	483.7	464.6	457.6	422.8	393.2
92.5°	475.0	472.4	473.3	465.5	453.3	450.7	428.9	405.4	395.0	373.2	350.6
95°	396.7	396.7	393.2	389.8	383.7	375.0	363.7	348.0	340.2	322.8	300.2
97.5°	333.2	329.7	332.3	326.3	321.0	317.6	308.9	293.2	285.4	272.3	254.9
100°	309.7	309.7	308.9	306.2	293.2	286.2	276.7	261.9	255.8	244.5	231.4
102.5°	296.7	295.8	294.9	292.3	280.1	268.0	255.8	247.1	240.1	230.6	216.6
105°	271.4	271.4	273.2	272.3	263.6	255.8	242.7	234.9	227.9	218.4	205.3
107.5°	268.8	268.0	268.0	257.5	246.2	241.9	232.3	225.3	219.2	209.7	194.9
110°	308.0	309.7	312.3	294.9	268.0	256.7	242.7	234.9	227.9	215.8	200.1

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	403.7	*403.7*	401.9	392.4	345.4	314.1	307.1	287.1	275.8	257.5	235.8
115°	362.8	*363.7*	362.8	365.4	361.9	322.8	329.7	296.7	315.8	273.2	258.4
117.5°	316.7	*315.8*	312.3	313.2	316.7	341.9	287.1	279.3	287.1	248.8	235.8
120°	442.0	*434.1*	442.0	409.8	404.6	408.9	377.6	371.5	338.4	292.3	257.5
122.5°	650.8	*638.6*	656.0	644.7	653.4	624.7	594.2	569.0	532.4	455.0	385.4
125°	735.2	*732.5*	728.2	712.5	698.6	686.4	691.7	701.2	681.2	618.6	537.7
127.5°	541.1	*548.1*	545.5	576.8	607.3	600.3	582.0	590.7	601.2	597.7	549.8
130°	431.5	*437.6*	441.1	471.5	497.6	497.6	468.1	460.2	468.9	487.2	468.9
132.5°	378.5	*380.2*	381.9	392.4	414.1	424.6	406.3	394.1	397.6	407.2	391.5
135°	341.0	*340.2*	337.6	330.6	332.3	342.8	350.6	348.9	346.3	346.3	337.6
137.5°	295.8	*294.9*	294.9	284.5	280.1	288.8	300.2	310.6	303.6	294.1	283.6
140°	246.2	*245.3*	246.2	252.3	254.0	254.9	261.0	261.0	261.0	260.1	255.8
142.5°	204.5	*205.3*	207.1	222.7	230.6	230.6	222.7	215.8	214.9	220.1	221.0
145°	251.4	*251.4*	252.3	251.4	246.2	241.0	235.8	235.8	230.6	218.4	212.3
147.5°	224.5	*227.9*	225.3	227.9	229.7	230.6	229.7	232.3	233.2	226.2	216.6
150°	176.6	*175.7*	174.0	176.6	181.0	186.2	187.9	189.7	190.5	190.5	190.5
152.5°	153.1	*154.0*	153.1	155.7	158.3	159.2	161.8	161.8	162.7	161.8	160.1
155°	148.8	*148.8*	148.8	148.8	149.6	151.4	154.9	156.6	154.9	152.3	147.9
157.5°	138.3	*138.3*	138.3	139.2	140.9	142.7	145.3	147.0	147.0	145.3	141.8
160°	132.2	*132.2*	132.2	132.2	134.0	135.7	137.5	139.2	139.2	138.3	135.7
162.5°	125.3	*125.3*	125.3	126.2	127.9	129.6	131.4	133.1	132.2	132.2	130.5
165°	124.4	*124.4*	124.4	125.3	127.0	129.6	130.5	130.5	131.4	131.4	131.4
167.5°	127.9	*127.9*	128.8	128.8	130.5	131.4	133.1	134.0	134.9	134.0	134.0
170°	133.1	*133.1*	133.1	134.0	134.9	134.9	135.7	135.7	136.6	136.6	136.6
172.5°	140.1	*140.1*	140.1	140.1	139.2	139.2	139.2	139.2	140.1	139.2	140.1
175°	147.9	*147.9*	147.9	147.0	146.2	146.2	145.3	145.3	144.4	143.6	143.6
177.5°	148.8	*148.8*	148.8	148.8	147.9	147.0	147.0	146.2	145.3	145.3	145.3
180°	145.3	*145.3*	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2.5°	53.1	51.3	47.0	43.5	40.9	37.4	34.8	32.2	30.5	29.6	28.7
5°	69.6	66.1	60.9	55.7	51.3	45.2	41.8	35.7	31.3	29.6	28.7
7.5°	91.4	88.7	86.1	85.3	83.5	75.7	64.4	55.7	53.9	52.2	53.9
10°	116.6	111.4	103.5	107.9	107.9	93.1	77.4	68.7	67.9	71.3	72.2
12.5°	140.1	133.1	123.5	122.7	113.1	93.1	76.6	67.9	67.0	67.9	68.7
15°	161.8	154.0	143.6	134.9	120.1	99.2	80.0	68.7	66.1	68.7	68.7
17.5°	174.0	166.2	151.4	134.9	117.5	98.3	79.2	67.0	60.9	57.4	57.4
20°	188.8	182.7	162.7	141.8	118.3	97.4	78.3	65.3	58.3	54.8	53.9
22.5°	201.8	194.9	173.1	150.5	123.5	97.4	75.7	64.4	58.3	54.8	53.9
25°	217.5	207.1	185.3	160.1	127.9	97.4	75.7	65.3	59.2	55.7	54.8
27.5°	227.9	215.8	194.9	167.0	133.1	99.2	78.3	66.1	59.2	55.7	55.7
30°	238.4	227.1	202.7	176.6	139.2	103.5	82.7	69.6	61.8	57.4	57.4
32.5°	259.3	244.5	214.9	184.4	144.4	107.0	87.0	73.1	64.4	60.0	60.0
35°	306.2	285.4	249.7	207.1	151.4	110.5	91.4	77.4	66.1	60.9	60.9
37.5°	377.6	351.5	308.0	249.7	168.8	115.7	94.8	79.2	67.9	63.5	62.6
40°	424.6	392.4	340.2	283.6	194.0	124.4	99.2	81.8	69.6	64.4	63.5
42.5°	481.1	442.0	372.4	294.1	207.1	142.7	107.9	86.1	72.2	65.3	64.4
45°	532.4	499.4	434.1	343.7	244.5	169.7	123.5	94.0	76.6	67.9	67.0
47.5°	636.8	585.5	498.5	405.4	291.5	210.5	150.5	106.1	83.5	71.3	69.6
50°	840.4	787.4	682.1	537.7	376.7	268.0	194.0	128.8	92.2	74.8	72.2
52.5°	1141.4	1044.0	926.6	731.7	534.2	387.2	274.9	181.8	109.6	78.3	74.0
55°	1544.3	1488.6	1280.6	1032.7	761.3	579.4	422.8	282.8	163.6	82.7	74.8
57.5°	2006.2	1895.7	1706.1	1397.2	1017.9	737.8	571.6	421.1	241.0	96.6	79.2
60°	2303.8	2188.9	1971.4	1659.1	1238.9	879.6	651.6	468.9	273.2	99.2	82.7
62.5°	2496.0	2335.1	2059.3	1693.9	1303.3	937.9	688.2	445.4	233.2	96.6	85.3
65°	*2525.6*	*2350.7*	*2059.3*	*1646.0*	*1245.0*	*890.0*	*665.6*	*411.5*	*183.6*	*92.2*	*88.7*
67.5°	2350.7	2161.1	1919.2	1509.5	1117.1	763.0	571.6	335.8	139.2	89.6	87.9
70°	1903.6	1784.4	1564.3	1230.2	891.8	624.7	455.0	257.5	113.1	87.0	86.1
72.5°	1454.6	1368.5	1214.5	958.7	687.3	482.0	347.1	202.7	101.8	85.3	84.4
75°	1158.0	1079.7	954.4	738.6	524.6	371.5	259.3	155.7	93.1	85.3	83.5
77.5°	955.3	886.5	773.4	585.5	382.8	277.5	196.6	126.2	91.4	85.3	84.4
80°	735.2	685.6	601.2	425.4	274.1	207.9	156.6	112.2	91.4	87.0	86.1
82.5°	521.1	502.0	438.5	331.5	230.6	181.0	144.4	110.5	93.1	88.7	87.9
85°	433.3	410.6	365.4	288.8	214.9	174.9	142.7	113.1	97.4	94.0	93.1
87.5°	417.6	402.8	358.4	279.3	206.2	167.0	136.6	110.5	97.4	95.7	96.6
90°	377.6	361.1	327.1	260.1	197.5	166.2	139.2	114.8	100.9	99.2	98.3
92.5°	342.8	333.2	303.6	251.4	203.6	172.3	147.0	125.3	114.0	110.5	110.5
95°	293.2	283.6	267.1	230.6	194.0	168.8	147.0	127.9	118.3	116.6	115.7
97.5°	249.7	243.6	229.7	201.0	172.3	151.4	132.2	117.5	109.6	107.0	107.0
100°	227.9	222.7	211.4	192.3	170.5	153.1	137.5	124.4	117.5	115.7	115.7
102.5°	212.3	207.9	197.5	183.6	164.4	150.5	137.5	126.2	118.3	116.6	117.5
105°	199.2	194.9	184.4	170.5	154.9	140.1	130.5	121.8	113.1	110.5	110.5
107.5°	189.7	185.3	176.6	162.7	149.6	136.6	126.2	119.2	112.2	110.5	110.5
110°	194.0	187.9	174.9	160.1	148.8	137.5	128.8	121.8	116.6	114.0	114.0

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

Scaled Data Report

REPORT NUMBER: P1045816
CATALOG NUMBER: FFX-CLB-70-750-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	227.1	217.5	195.8	174.9	160.1	147.0	137.5	127.9	123.5	120.1	120.1
115°	248.8	239.3	217.5	192.3	170.5	152.3	139.2	131.4	126.2	129.6	127.9
117.5°	227.1	220.1	203.6	185.3	167.9	152.3	140.9	135.7	132.2	136.6	138.3
120°	249.7	236.6	223.6	202.7	170.5	148.8	140.9	139.2	139.2	135.7	135.7
122.5°	356.7	335.0	286.2	250.6	206.2	181.8	167.0	153.1	139.2	134.0	133.1
125°	499.4	458.5	396.7	334.1	273.2	221.9	179.2	153.1	140.1	132.2	130.5
127.5°	525.5	489.8	433.3	357.6	274.9	216.6	178.4	158.3	143.6	134.9	134.0
130°	443.7	426.3	375.8	310.6	247.1	201.8	176.6	158.3	144.4	136.6	134.9
132.5°	376.7	364.5	317.6	265.4	220.1	187.1	164.4	144.4	131.4	124.4	122.7
135°	323.6	315.8	274.9	237.5	203.6	176.6	153.1	134.0	123.5	119.2	118.3
137.5°	277.5	269.7	241.9	215.8	189.7	166.2	147.0	130.5	120.9	118.3	117.5
140°	248.8	241.9	224.5	196.6	171.4	147.0	133.1	122.7	117.5	115.7	114.8
142.5°	216.6	208.8	189.7	169.7	152.3	133.1	123.5	119.2	116.6	114.8	114.0
145°	205.3	200.1	178.4	160.1	143.6	134.0	128.8	122.7	117.5	114.0	113.1
147.5°	207.9	201.8	182.7	165.3	150.5	140.1	131.4	122.7	115.7	112.2	111.4
150°	186.2	184.4	173.1	159.2	145.3	134.0	125.3	118.3	114.0	113.1	113.1
152.5°	155.7	154.9	149.6	141.8	132.2	123.5	117.5	114.0	114.0	115.7	116.6
155°	146.2	143.6	140.1	134.9	127.0	120.9	116.6	114.8	115.7	117.5	117.5
157.5°	140.9	138.3	134.9	130.5	126.2	120.9	117.5	116.6	118.3	120.1	120.1
160°	134.0	132.2	129.6	125.3	121.8	119.2	117.5	117.5	118.3	119.2	119.2
162.5°	129.6	127.9	125.3	122.7	120.9	120.1	119.2	118.3	119.2	120.1	120.1
165°	129.6	128.8	125.3	122.7	121.8	121.8	121.8	121.8	121.8	120.9	120.9
167.5°	133.1	132.2	129.6	127.9	127.0	127.9	127.9	127.0	126.2	124.4	124.4
170°	136.6	135.7	134.9	134.0	133.1	134.0	134.0	134.0	133.1	133.1	132.2
172.5°	140.1	139.2	138.3	137.5	137.5	137.5	138.3	139.2	139.2	139.2	139.2
175°	143.6	143.6	141.8	140.9	140.9	140.9	141.8	141.8	142.7	142.7	142.7
177.5°	145.3	145.3	145.3	145.3	146.2	145.3	145.3	144.4	144.4	144.4	144.4
180°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

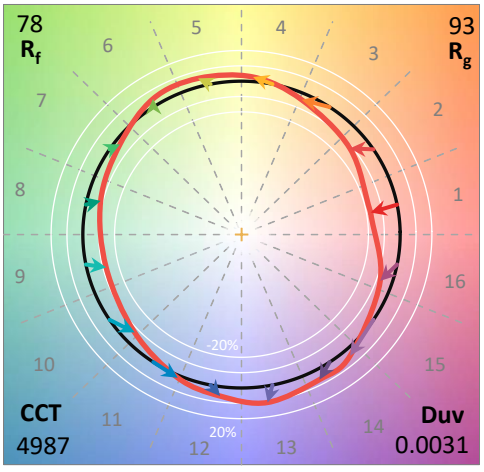
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

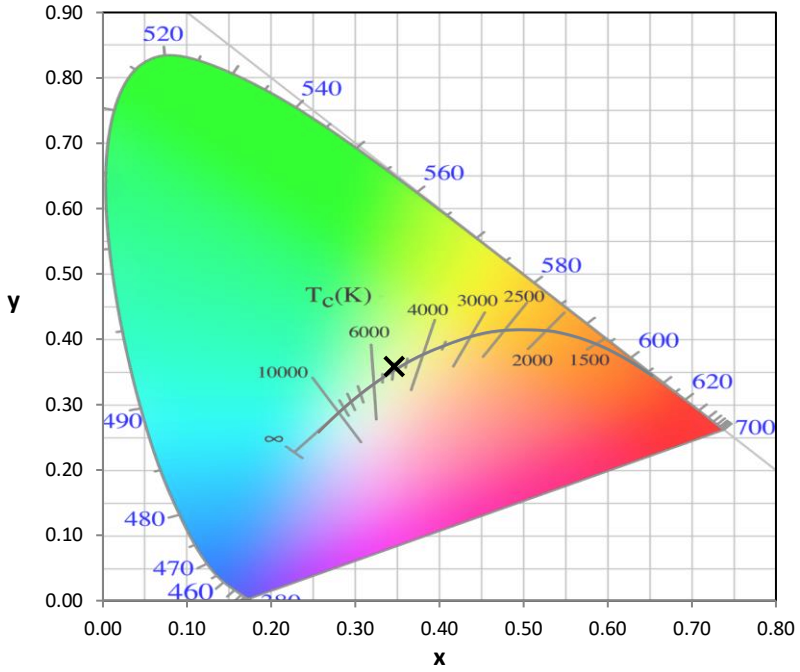
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

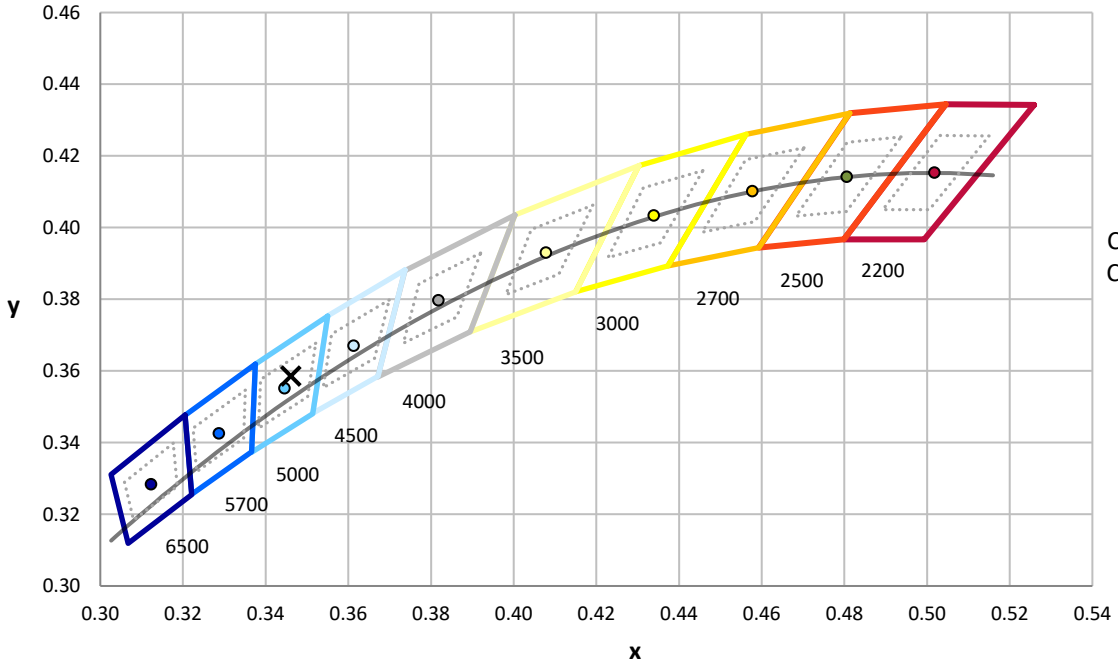
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

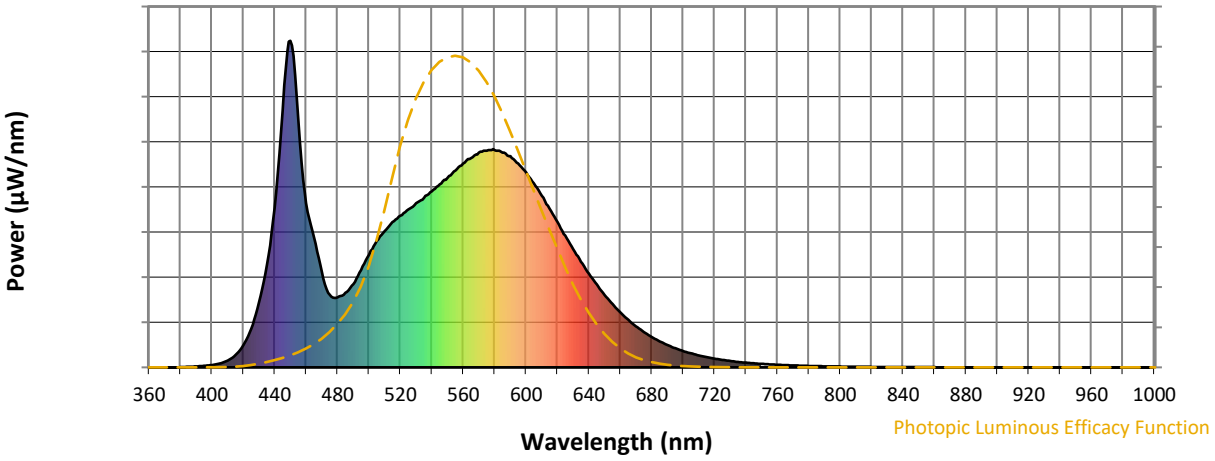


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

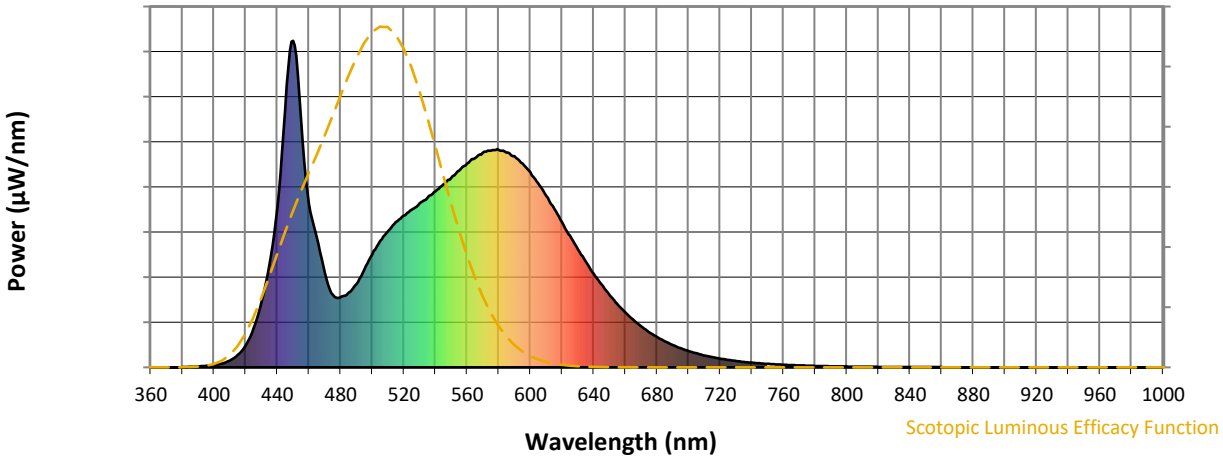


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

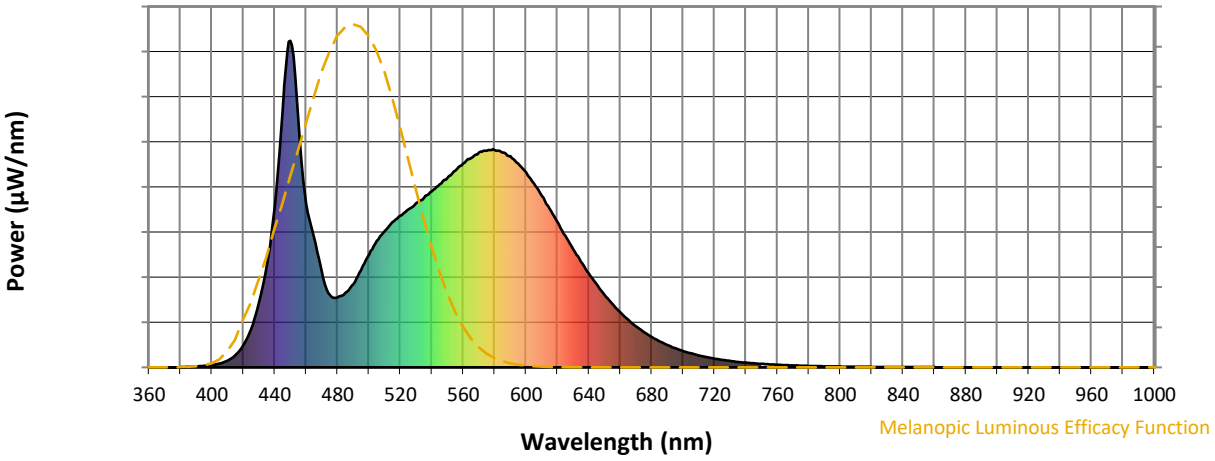


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

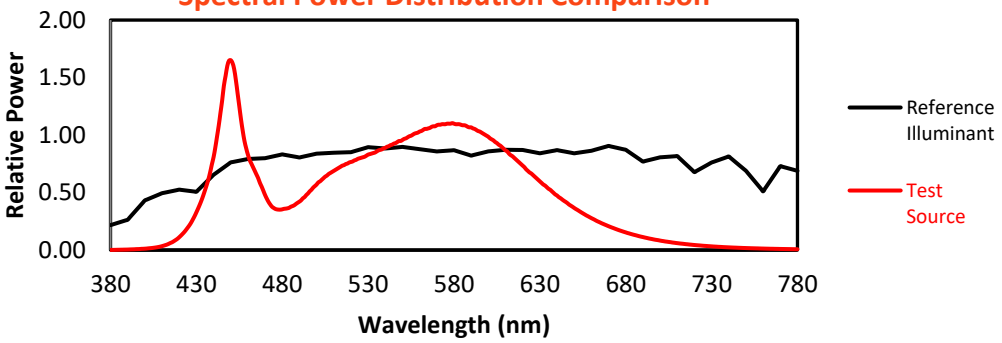
REPORT NUMBER: SP1-2501-332-5

TM-30-18

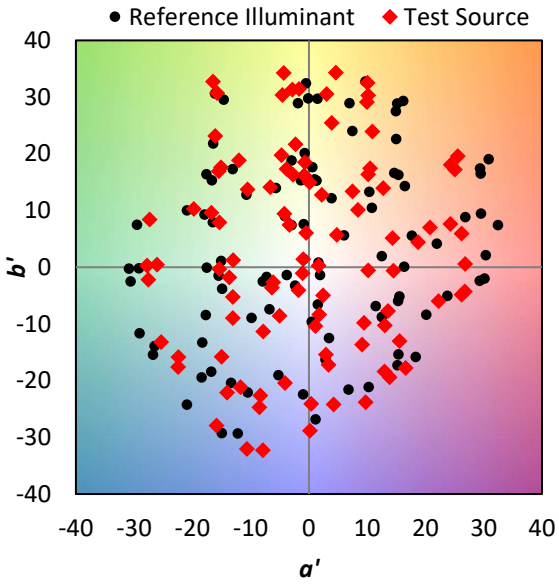
Summary

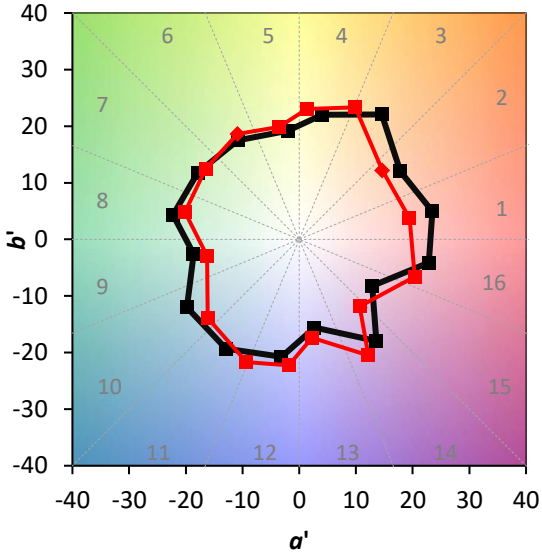
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

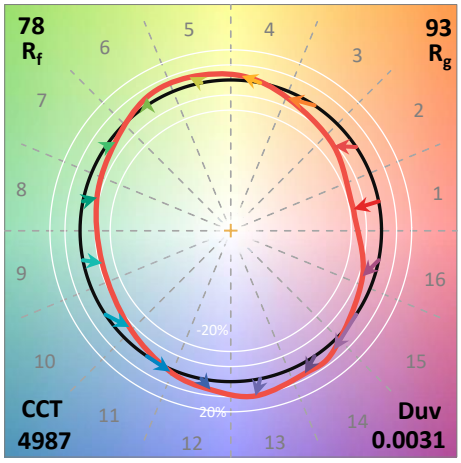
Spectral Power Distribution Comparison

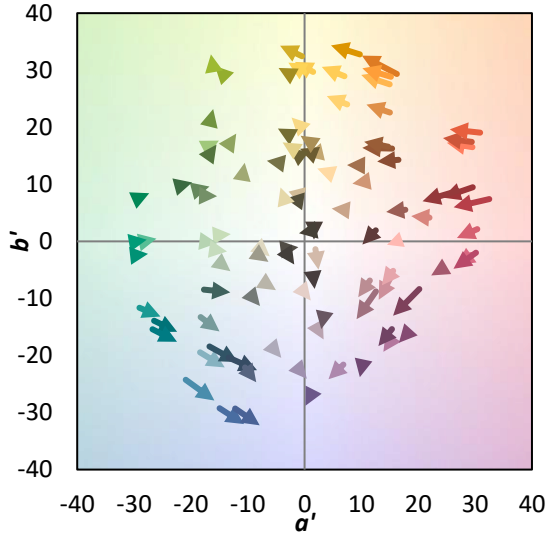


Color Vector Graphics







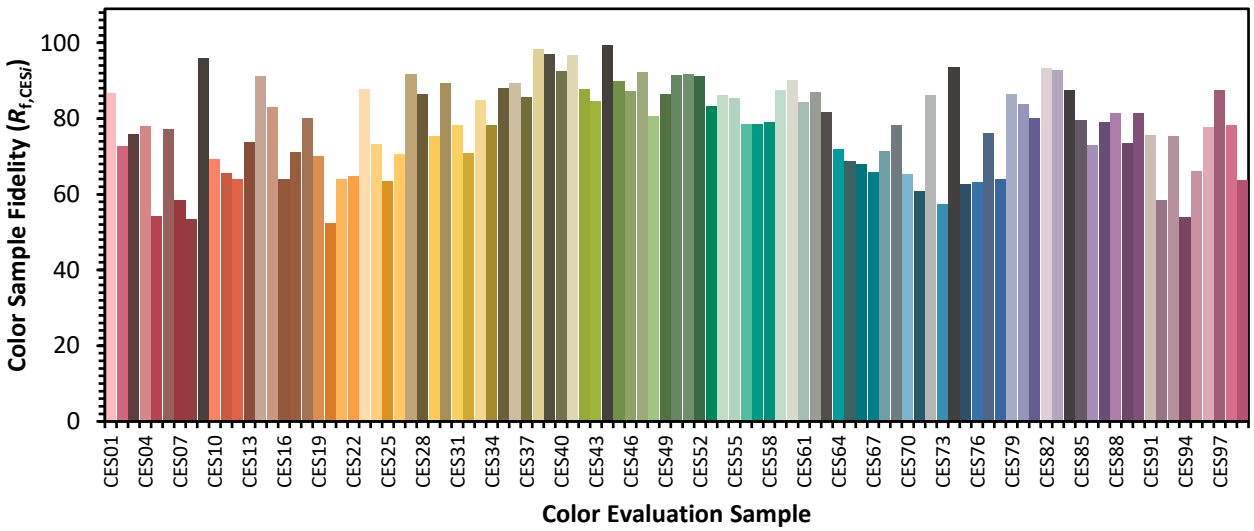


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

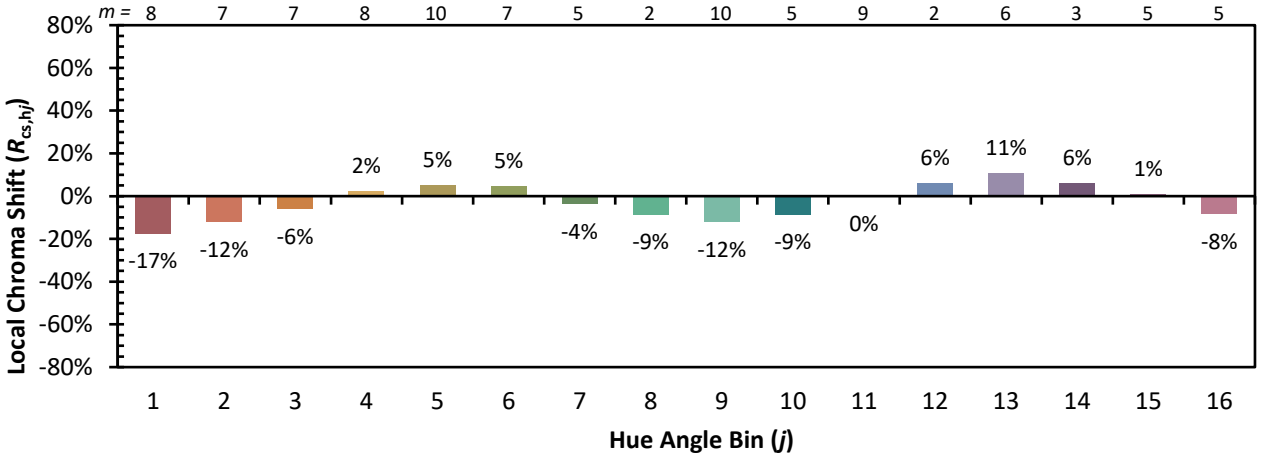
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

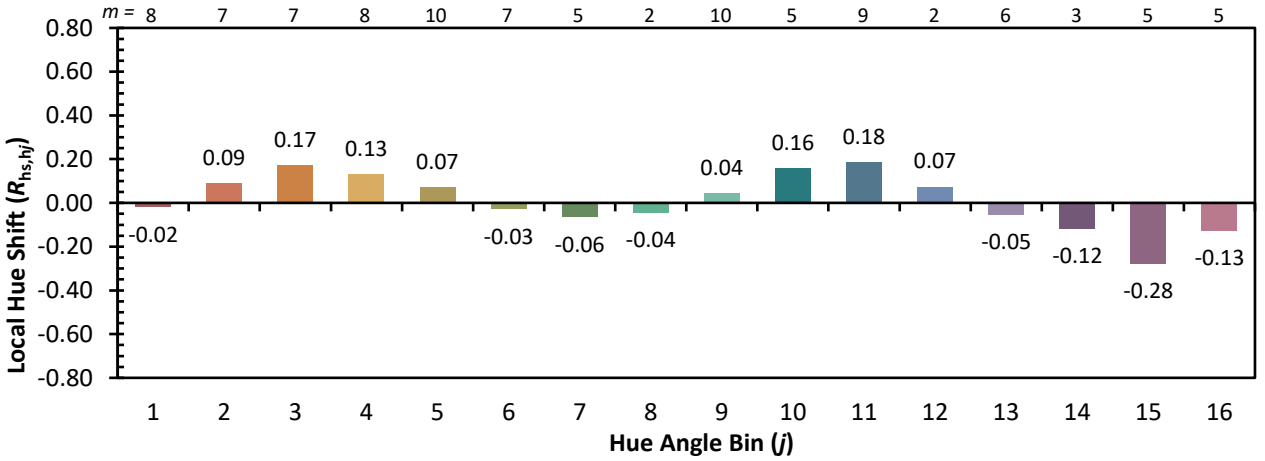


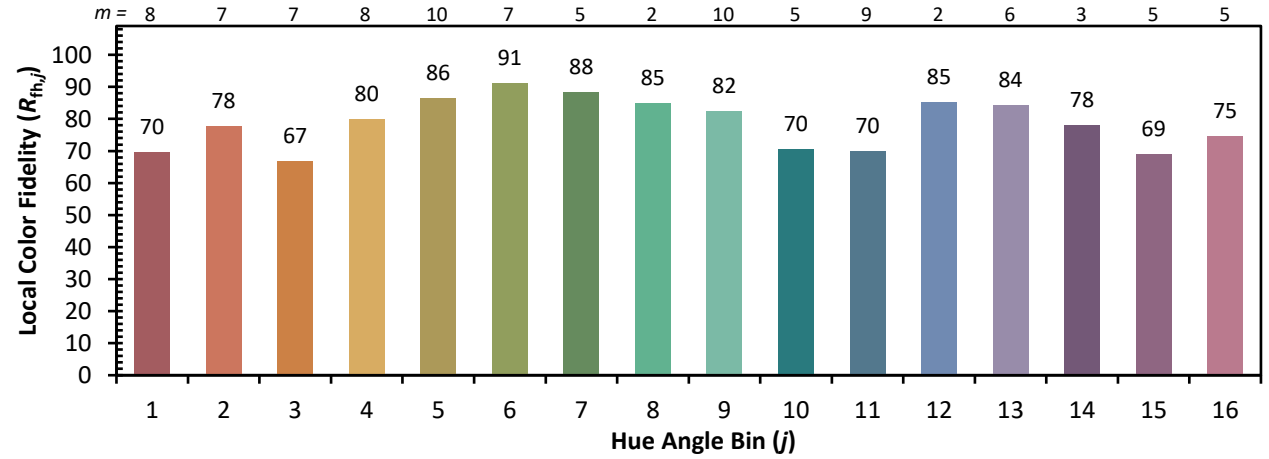
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Color Rendition by Hue-Angle Bin



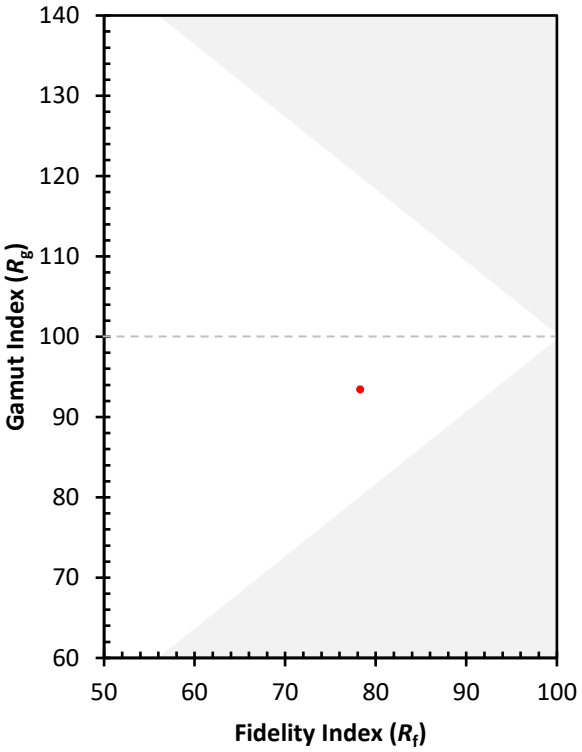


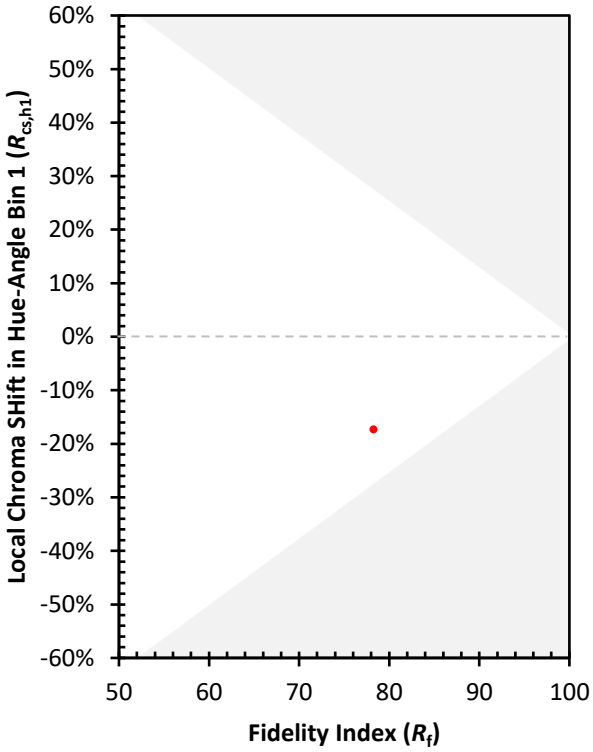


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Measure Comparisons





(END OF REPORT)