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: P1045799

Luminaire Tested: **FFX-CLB-60-730-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:	P1045799
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6310.3 lumens
Efficiency:	N/A
Efficacy:	104.1 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

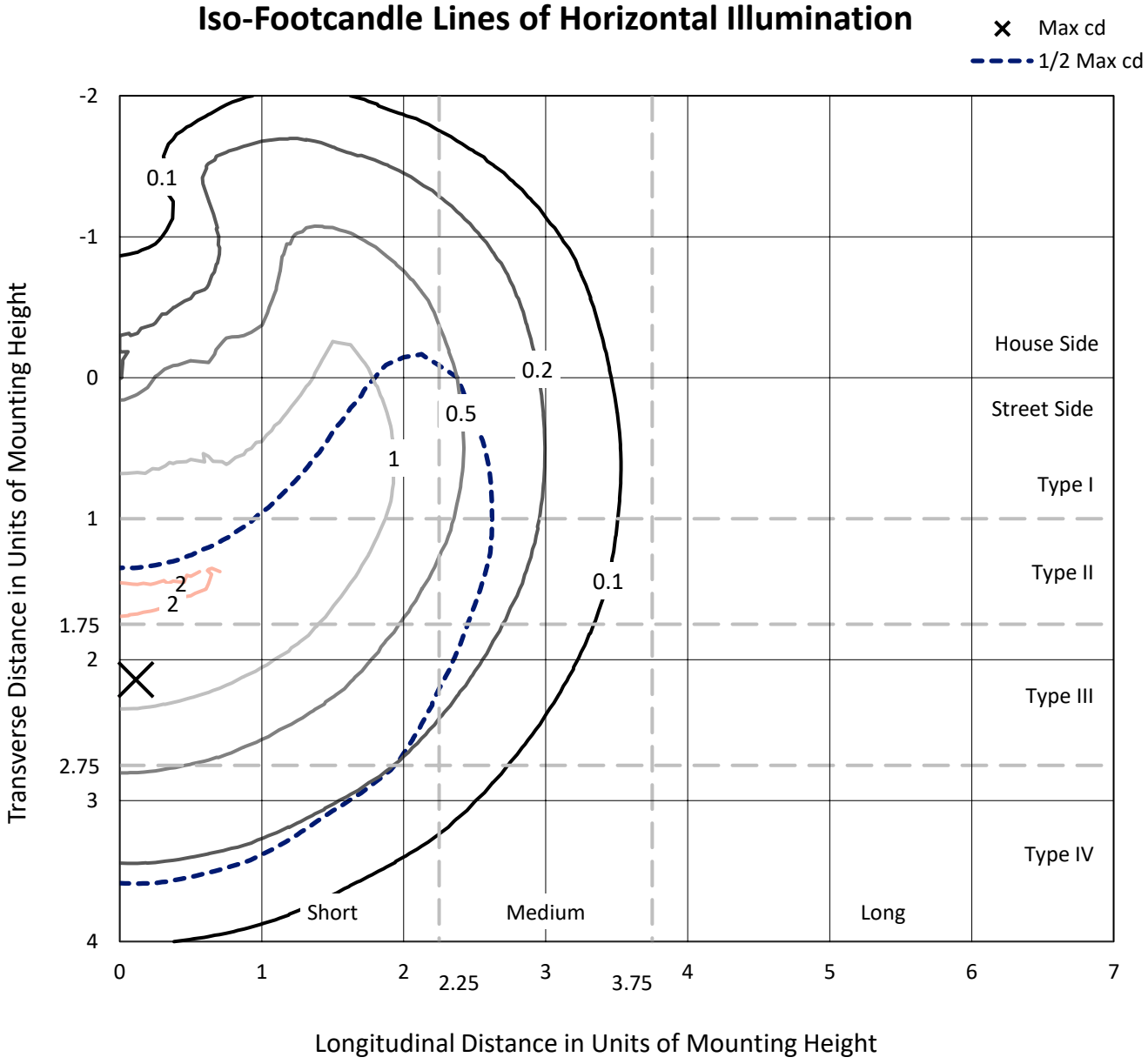


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Iso-Footcandle Lines of Horizontal Illumination



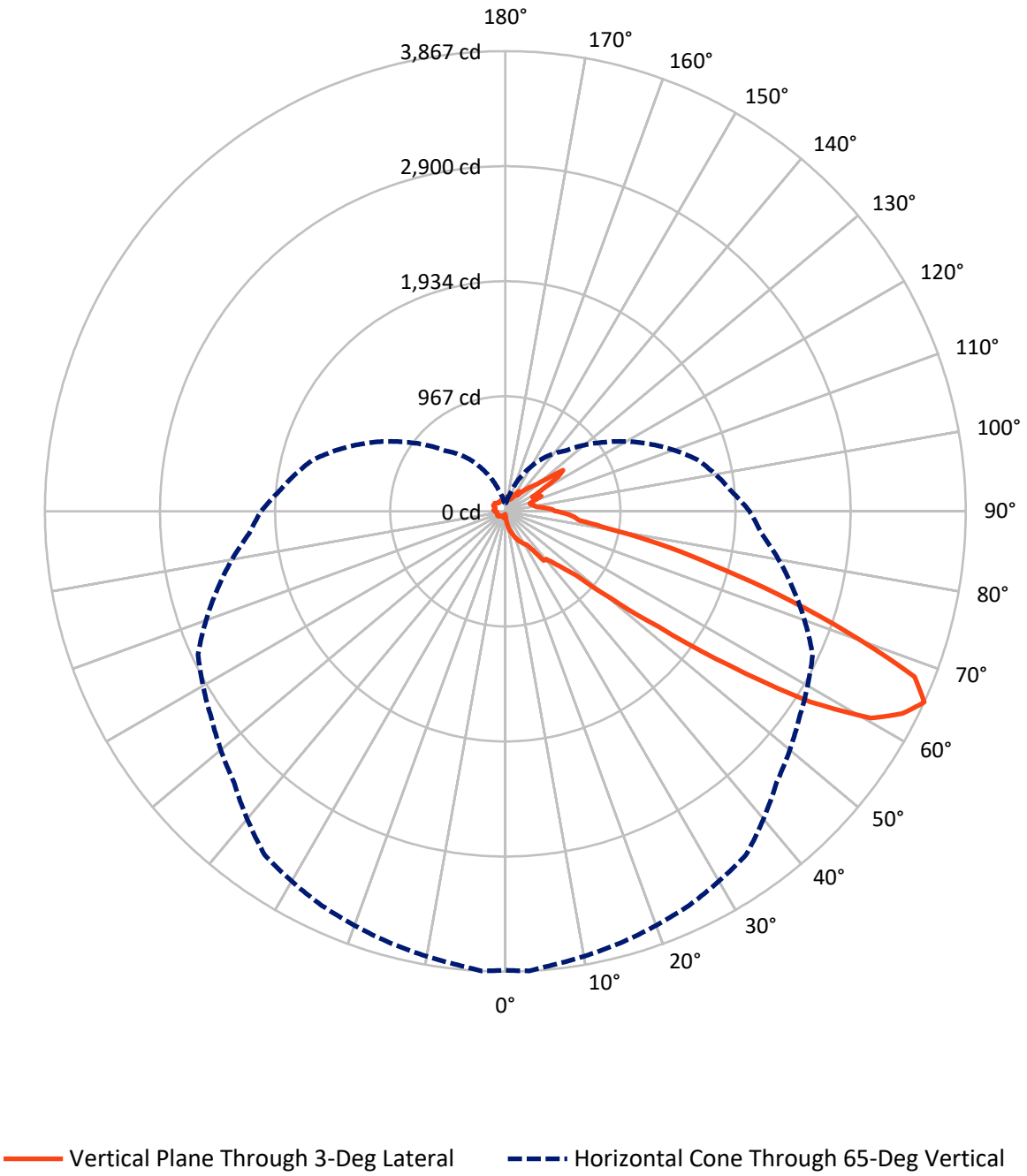
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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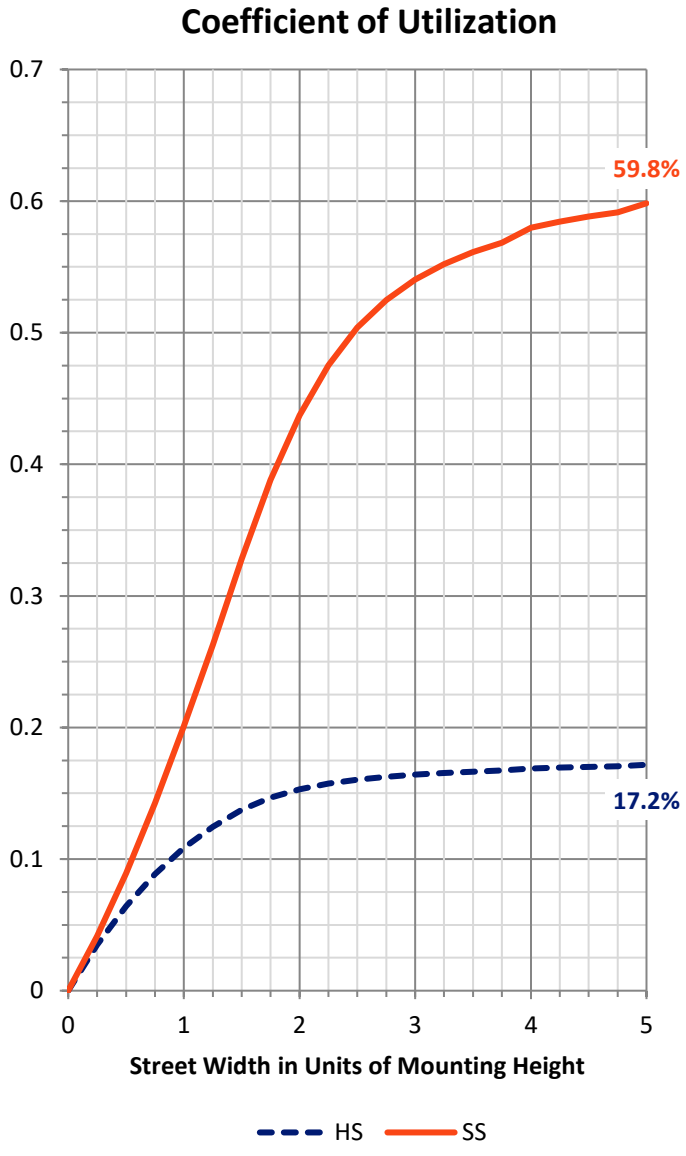
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.0	437.9	1562.9
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	3932.5	814.9	4747.5
	% Fixture	62.3	12.9	75.2
Total	Lumens	5057.5	1252.8	6310.3
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	35.7	0.6
20°-30°	78.8	1.2
30°-40°	157.1	2.5
40°-50°	339.2	5.4
50°-60°	1159.7	18.4
60°-70°	1884.5	29.9
70°-80°	1014.0	16.1
80°-90°	382.1	6.1
90°-100°	241.0	3.8
100°-110°	171.3	2.7
110°-120°	189.1	3.0
120°-130°	288.9	4.6
130°-140°	173.3	2.7
140°-150°	95.7	1.5
150°-160°	53.2	0.8
160°-170°	29.5	0.5
170°-180°	10.9	0.2
0°-90°	5057.5	80.1
0°-180°	6310.3	100.0



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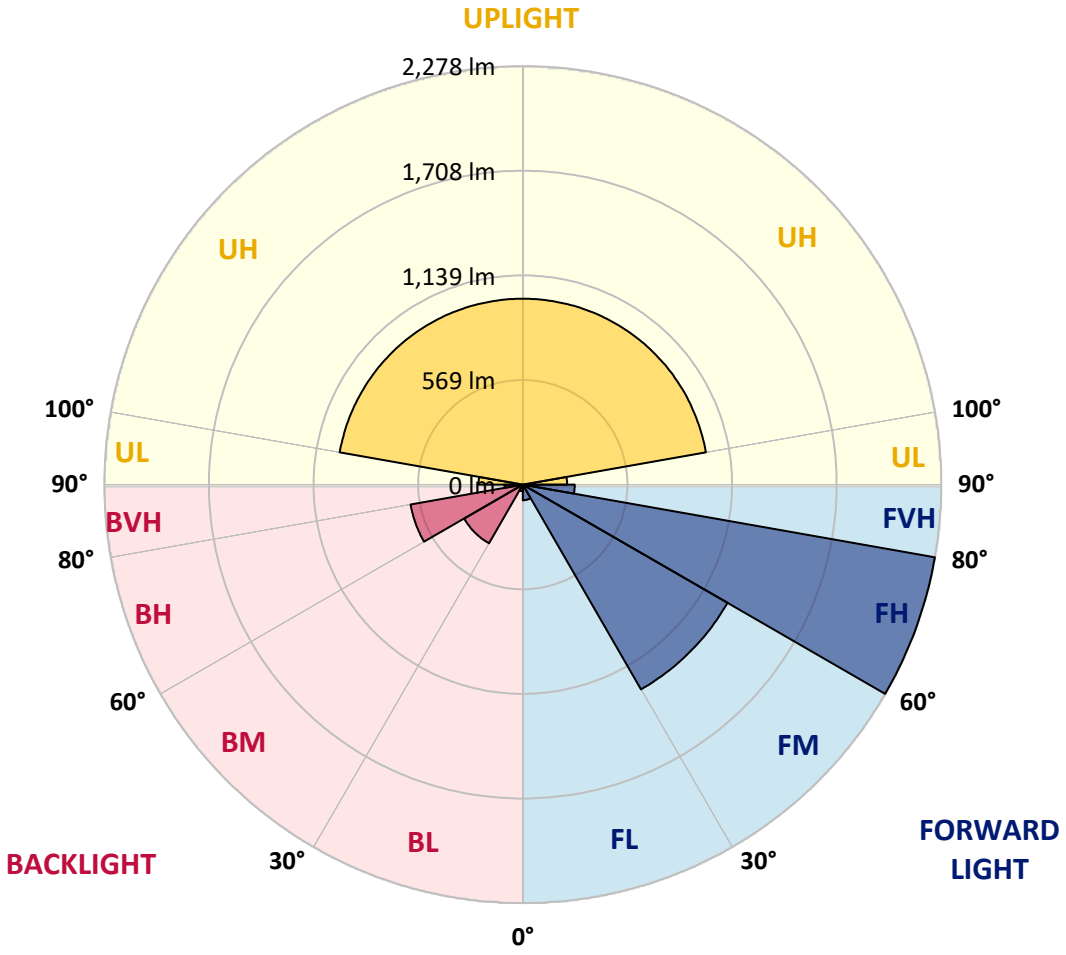
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	85.1	1.3			
FM	(30°-60°)	1287.1	20.4			
FH	(60°-80°)	2278.0	36.1			G2/5000
FVH	(80°-90°)	282.4	4.5			G3/500
BL	(0°-30°)	35.9	0.6	B0/110		
BM	(30°-60°)	368.8	5.8	B1/1000		
BH	(60°-80°)	620.5	9.8	B2/1000		G2/1000
BVH	(80°-90°)	99.7	1.6			G1/100
UL	(90°-100°)	241.0	3.8		U3/500	
UH	(100°-180°)	1011.8	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°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	50.2	50.9	50.9	50.9	52.3	53.0	52.3	50.2	47.4	45.9	44.5
5°	72.8	74.2	73.5	73.5	72.1	72.1	70.0	68.6	67.2	62.2	57.3
7.5°	101.1	99.7	99.0	97.5	98.3	94.7	91.9	91.9	89.8	84.8	77.0
10°	130.8	130.8	128.7	127.9	126.5	125.1	120.2	117.3	117.3	108.9	99.7
12.5°	163.3	162.6	163.3	161.9	159.8	156.2	150.6	144.2	140.7	132.9	119.5
15°	184.5	183.8	183.8	183.1	181.7	178.1	173.9	167.5	158.3	150.6	137.8
17.5°	207.1	205.7	205.7	202.2	199.3	195.1	191.6	185.2	173.9	159.8	147.7
20°	231.9	231.9	231.9	226.9	221.3	215.6	210.6	205.0	196.5	175.3	158.3
22.5°	255.2	255.9	255.2	250.2	245.3	236.1	228.3	221.3	212.8	191.6	171.1
25°	277.8	279.2	278.5	278.5	272.1	260.1	249.5	238.9	233.3	212.1	183.8
27.5°	297.6	298.3	299.0	302.5	299.0	285.6	268.6	255.9	251.6	228.3	194.4
30°	316.7	318.8	318.8	322.3	321.6	306.8	286.3	272.1	263.7	241.0	205.0
32.5°	335.1	336.5	337.2	345.7	345.0	325.2	307.5	291.9	277.8	260.8	223.4
35°	401.5	399.4	410.0	416.3	411.4	393.7	372.5	343.5	323.7	304.0	263.7
37.5°	525.2	523.8	523.8	509.7	489.9	469.4	463.7	433.3	409.3	383.8	328.7
40°	528.7	528.7	530.9	546.4	556.3	530.2	505.4	475.7	470.8	444.6	377.5
42.5°	580.3	586.0	591.7	602.3	619.9	603.0	574.7	527.3	504.7	477.8	420.6
45°	668.0	676.5	673.6	677.9	673.6	658.8	656.7	630.5	596.6	545.0	467.9
47.5°	812.9	808.0	805.1	822.1	849.7	822.1	815.7	774.0	709.0	643.3	555.6
50°	1169.2	1148.0	1169.9	1166.3	1161.4	1135.9	1116.9	1075.2	969.1	862.4	735.9
52.5°	1646.3	1611.7	1631.5	1644.9	1630.8	1594.7	1537.4	1456.2	1313.4	1175.5	1008.7
55°	2339.7	2291.7	2298.0	2315.0	2324.9	2242.9	2160.9	1981.4	1767.2	1554.4	1373.5
57.5°	3105.3	3019.1	3075.6	2980.9	2942.0	2795.7	2726.4	2544.7	2293.1	2008.9	1717.0
60°	3536.5	3527.3	3516.7	3443.2	3402.2	3238.2	3075.6	2905.2	2679.8	2344.0	2002.6
62.5°	3723.8	3743.6	3728.0	3689.9	3653.1	3508.9	3226.2	3024.0	2840.9	2496.0	2155.3
65°	3856.0	3867.3	3841.1	3752.8	3653.1	3524.5	3222.6	3016.2	2848.7	2500.9	2161.6
67.5°	3704.7	3706.8	3675.0	3560.5	3358.3	3245.3	2952.6	2772.4	2608.4	2311.5	1994.1
70°	3051.6	3057.9	3038.1	2936.3	2766.7	2668.4	2386.4	2201.2	2077.5	1872.5	1638.5
72.5°	2378.6	2406.2	2377.9	2337.6	2176.5	2103.7	1914.2	1764.4	1650.5	1457.6	1268.8
75°	1788.4	1794.7	1795.5	1750.2	1665.4	1649.1	1519.1	1420.1	1321.1	1162.8	1024.3
77.5°	1297.1	1325.4	1315.5	1307.7	1196.7	1203.1	1151.5	1092.8	1030.6	925.3	826.3
80°	861.0	875.8	858.1	862.4	847.5	844.0	795.9	756.4	718.2	669.4	630.5
82.5°	627.7	624.9	623.5	615.7	604.4	606.5	582.5	533.7	487.7	477.8	441.8
85°	580.3	578.2	576.1	562.0	537.9	523.1	509.7	489.9	461.6	417.1	370.4
87.5°	507.5	508.2	503.3	488.4	472.9	468.7	458.1	445.3	431.2	398.0	357.0
90°	417.8	415.6	416.3	407.9	410.7	409.3	393.0	377.5	371.8	343.5	319.5
92.5°	386.0	383.8	384.5	378.2	368.3	366.2	348.5	329.4	320.9	303.2	284.9
95°	322.3	322.3	319.5	316.7	311.7	304.7	295.5	282.7	276.4	262.2	243.9
97.5°	270.7	267.9	270.0	265.1	260.8	258.0	250.9	238.2	231.9	221.3	207.1
100°	251.6	251.6	250.9	248.8	238.2	232.6	224.8	212.8	207.8	198.6	188.0
102.5°	241.0	240.3	239.6	237.5	227.6	217.7	207.8	200.8	195.1	187.3	176.0
105°	220.5	220.5	222.0	221.3	214.2	207.8	197.2	190.9	185.2	177.4	166.8
107.5°	218.4	217.7	217.7	209.2	200.0	196.5	188.7	183.1	178.1	170.4	158.3
110°	250.2	251.6	253.8	239.6	217.7	208.5	197.2	190.9	185.2	175.3	162.6

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	328.0	*328.0*	326.6	318.8	280.6	255.2	249.5	233.3	224.1	209.2	191.6
115°	294.8	*295.5*	294.8	296.9	294.1	262.2	267.9	241.0	256.6	222.0	209.9
117.5°	257.3	*256.6*	253.8	254.5	257.3	277.8	233.3	226.9	233.3	202.2	191.6
120°	359.1	*352.7*	359.1	332.9	328.7	332.2	306.8	301.8	275.0	237.5	209.2
122.5°	528.7	*518.8*	533.0	523.8	530.9	507.5	482.8	462.3	432.6	369.7	313.1
125°	597.3	*595.2*	591.7	578.9	567.6	557.7	562.0	569.7	553.5	502.6	436.8
127.5°	439.7	*445.3*	443.2	468.7	493.4	487.7	472.9	480.0	488.4	485.6	446.7
130°	350.6	*355.6*	358.4	383.1	404.3	404.3	380.3	373.9	381.0	395.8	381.0
132.5°	307.5	*308.9*	310.3	318.8	336.5	345.0	330.1	320.2	323.0	330.8	318.1
135°	277.1	*276.4*	274.3	268.6	270.0	278.5	284.9	283.5	281.3	281.3	274.3
137.5°	240.3	*239.6*	239.6	231.1	227.6	234.7	243.9	252.4	246.7	238.9	230.4
140°	200.0	*199.3*	200.0	205.0	206.4	207.1	212.1	212.1	212.1	211.4	207.8
142.5°	166.1	*166.8*	168.2	181.0	187.3	187.3	181.0	175.3	174.6	178.8	179.5
145°	204.3	*204.3*	205.0	204.3	200.0	195.8	191.6	191.6	187.3	177.4	172.5
147.5°	182.4	*185.2*	183.1	185.2	186.6	187.3	186.6	188.7	189.4	183.8	176.0
150°	143.5	*142.8*	141.4	143.5	147.0	151.3	152.7	154.1	154.8	154.8	154.8
152.5°	124.4	*125.1*	124.4	126.5	128.7	129.4	131.5	131.5	132.2	131.5	130.1
155°	120.9	*120.9*	120.9	120.9	121.6	123.0	125.8	127.2	125.8	123.7	120.2
157.5°	112.4	*112.4*	112.4	113.1	114.5	115.9	118.0	119.5	119.5	118.0	115.2
160°	107.4	*107.4*	107.4	107.4	108.9	110.3	111.7	113.1	113.1	112.4	110.3
162.5°	101.8	*101.8*	101.8	102.5	103.9	105.3	106.7	108.2	107.4	107.4	106.0
165°	101.1	*101.1*	101.1	101.8	103.2	105.3	106.0	106.0	106.7	106.7	106.7
167.5°	103.9	*103.9*	104.6	104.6	106.0	106.7	108.2	108.9	109.6	108.9	108.9
170°	108.2	*108.2*	108.2	108.9	109.6	109.6	110.3	110.3	111.0	111.0	111.0
172.5°	113.8	*113.8*	113.8	113.8	113.1	113.1	113.1	113.1	113.8	113.1	113.8
175°	120.2	*120.2*	120.2	119.5	118.8	118.8	118.0	118.0	117.3	116.6	116.6
177.5°	120.9	*120.9*	120.9	120.9	120.2	119.5	119.5	118.8	118.0	118.0	118.0
180°	118.0	*118.0*	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	43.1	41.7	38.2	35.3	33.2	30.4	28.3	26.2	24.7	24.0	23.3
5°	56.5	53.7	49.5	45.2	41.7	36.8	33.9	29.0	25.4	24.0	23.3
7.5°	74.2	72.1	70.0	69.3	67.9	61.5	52.3	45.2	43.8	42.4	43.8
10°	94.7	90.5	84.1	87.7	87.7	75.6	62.9	55.8	55.1	58.0	58.7
12.5°	113.8	108.2	100.4	99.7	91.9	75.6	62.2	55.1	54.4	55.1	55.8
15°	131.5	125.1	116.6	109.6	97.5	80.6	65.0	55.8	53.7	55.8	55.8
17.5°	141.4	135.0	123.0	109.6	95.4	79.9	64.3	54.4	49.5	46.7	46.7
20°	153.4	148.4	132.2	115.2	96.1	79.2	63.6	53.0	47.4	44.5	43.8
22.5°	164.0	158.3	140.7	122.3	100.4	79.2	61.5	52.3	47.4	44.5	43.8
25°	176.7	168.2	150.6	130.1	103.9	79.2	61.5	53.0	48.1	45.2	44.5
27.5°	185.2	175.3	158.3	135.7	108.2	80.6	63.6	53.7	48.1	45.2	45.2
30°	193.7	184.5	164.7	143.5	113.1	84.1	67.2	56.5	50.2	46.7	46.7
32.5°	210.6	198.6	174.6	149.9	117.3	86.9	70.7	59.4	52.3	48.8	48.8
35°	248.8	231.9	202.9	168.2	123.0	89.8	74.2	62.9	53.7	49.5	49.5
37.5°	306.8	285.6	250.2	202.9	137.1	94.0	77.0	64.3	55.1	51.6	50.9
40°	345.0	318.8	276.4	230.4	157.6	101.1	80.6	66.4	56.5	52.3	51.6
42.5°	390.9	359.1	302.5	238.9	168.2	115.9	87.7	70.0	58.7	53.0	52.3
45°	432.6	405.7	352.7	279.2	198.6	137.8	100.4	76.3	62.2	55.1	54.4
47.5°	517.4	475.7	405.0	329.4	236.8	171.1	122.3	86.2	67.9	58.0	56.5
50°	682.8	639.7	554.2	436.8	306.1	217.7	157.6	104.6	74.9	60.8	58.7
52.5°	927.4	848.2	752.8	594.5	434.0	314.6	223.4	147.7	89.1	63.6	60.1
55°	1254.7	1209.5	1040.5	839.1	618.5	470.8	343.5	229.7	132.9	67.2	60.8
57.5°	1630.0	1540.3	1386.2	1135.2	827.0	599.4	464.4	342.1	195.8	78.5	64.3
60°	1871.8	1778.5	1601.8	1348.0	1006.6	714.6	529.4	381.0	222.0	80.6	67.2
62.5°	2028.0	1897.2	1673.2	1376.3	1058.9	762.0	559.1	361.9	189.4	78.5	69.3
65°	*2052.0*	*1910.0*	*1673.2*	*1337.4*	*1011.5*	*723.1*	*540.8*	*334.4*	*149.2*	*74.9*	*72.1*
67.5°	1910.0	1755.9	1559.4	1226.4	907.6	619.9	464.4	272.9	113.1	72.8	71.4
70°	1546.6	1449.8	1271.0	999.5	724.5	507.5	369.7	209.2	91.9	70.7	70.0
72.5°	1181.9	1111.9	986.8	779.0	558.4	391.6	282.0	164.7	82.7	69.3	68.6
75°	940.8	877.2	775.4	600.1	426.2	301.8	210.6	126.5	75.6	69.3	67.9
77.5°	776.1	720.3	628.4	475.7	311.0	225.5	159.8	102.5	74.2	69.3	68.6
80°	597.3	557.0	488.4	345.7	222.7	168.9	127.2	91.2	74.2	70.7	70.0
82.5°	423.4	407.9	356.3	269.3	187.3	147.0	117.3	89.8	75.6	72.1	71.4
85°	352.0	333.6	296.9	234.7	174.6	142.1	115.9	91.9	79.2	76.3	75.6
87.5°	339.3	327.3	291.2	226.9	167.5	135.7	111.0	89.8	79.2	77.8	78.5
90°	306.8	293.4	265.8	211.4	160.5	135.0	113.1	93.3	82.0	80.6	79.9
92.5°	278.5	270.7	246.7	204.3	165.4	140.0	119.5	101.8	92.6	89.8	89.8
95°	238.2	230.4	217.0	187.3	157.6	137.1	119.5	103.9	96.1	94.7	94.0
97.5°	202.9	197.9	186.6	163.3	140.0	123.0	107.4	95.4	89.1	86.9	86.9
100°	185.2	181.0	171.8	156.2	138.5	124.4	111.7	101.1	95.4	94.0	94.0
102.5°	172.5	168.9	160.5	149.2	133.6	122.3	111.7	102.5	96.1	94.7	95.4
105°	161.9	158.3	149.9	138.5	125.8	113.8	106.0	99.0	91.9	89.8	89.8
107.5°	154.1	150.6	143.5	132.2	121.6	111.0	102.5	96.8	91.2	89.8	89.8
110°	157.6	152.7	142.1	130.1	120.9	111.7	104.6	99.0	94.7	92.6	92.6

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

Scaled Data Report

REPORT NUMBER: P1045799
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	184.5	176.7	159.0	142.1	130.1	119.5	111.7	103.9	100.4	97.5	97.5
115°	202.2	194.4	176.7	156.2	138.5	123.7	113.1	106.7	102.5	105.3	103.9
117.5°	184.5	178.8	165.4	150.6	136.4	123.7	114.5	110.3	107.4	111.0	112.4
120°	202.9	192.3	181.7	164.7	138.5	120.9	114.5	113.1	113.1	110.3	110.3
122.5°	289.8	272.1	232.6	203.6	167.5	147.7	135.7	124.4	113.1	108.9	108.2
125°	405.7	372.5	322.3	271.4	222.0	180.3	145.6	124.4	113.8	107.4	106.0
127.5°	427.0	398.0	352.0	290.5	223.4	176.0	144.9	128.7	116.6	109.6	108.9
130°	360.5	346.4	305.4	252.4	200.8	164.0	143.5	128.7	117.3	111.0	109.6
132.5°	306.1	296.2	258.0	215.6	178.8	152.0	133.6	117.3	106.7	101.1	99.7
135°	263.0	256.6	223.4	193.0	165.4	143.5	124.4	108.9	100.4	96.8	96.1
137.5°	225.5	219.1	196.5	175.3	154.1	135.0	119.5	106.0	98.3	96.1	95.4
140°	202.2	196.5	182.4	159.8	139.3	119.5	108.2	99.7	95.4	94.0	93.3
142.5°	176.0	169.6	154.1	137.8	123.7	108.2	100.4	96.8	94.7	93.3	92.6
145°	166.8	162.6	144.9	130.1	116.6	108.9	104.6	99.7	95.4	92.6	91.9
147.5°	168.9	164.0	148.4	134.3	122.3	113.8	106.7	99.7	94.0	91.2	90.5
150°	151.3	149.9	140.7	129.4	118.0	108.9	101.8	96.1	92.6	91.9	91.9
152.5°	126.5	125.8	121.6	115.2	107.4	100.4	95.4	92.6	92.6	94.0	94.7
155°	118.8	116.6	113.8	109.6	103.2	98.3	94.7	93.3	94.0	95.4	95.4
157.5°	114.5	112.4	109.6	106.0	102.5	98.3	95.4	94.7	96.1	97.5	97.5
160°	108.9	107.4	105.3	101.8	99.0	96.8	95.4	95.4	96.1	96.8	96.8
162.5°	105.3	103.9	101.8	99.7	98.3	97.5	96.8	96.1	96.8	97.5	97.5
165°	105.3	104.6	101.8	99.7	99.0	99.0	99.0	99.0	99.0	98.3	98.3
167.5°	108.2	107.4	105.3	103.9	103.2	103.9	103.9	103.2	102.5	101.1	101.1
170°	111.0	110.3	109.6	108.9	108.2	108.9	108.9	108.9	108.2	108.2	107.4
172.5°	113.8	113.1	112.4	111.7	111.7	111.7	112.4	113.1	113.1	113.1	113.1
175°	116.6	116.6	115.2	114.5	114.5	114.5	115.2	115.2	115.9	115.9	115.9
177.5°	118.0	118.0	118.0	118.0	118.8	118.0	118.0	117.3	117.3	117.3	117.3
180°	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

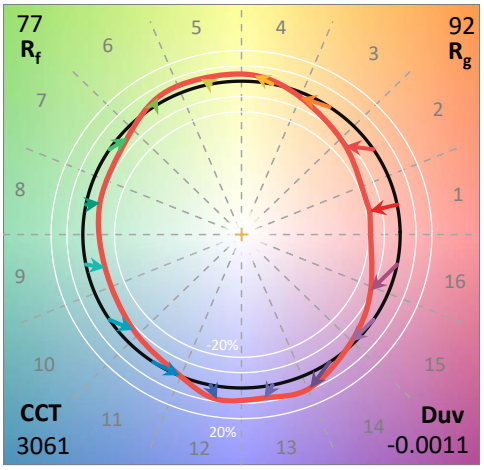
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

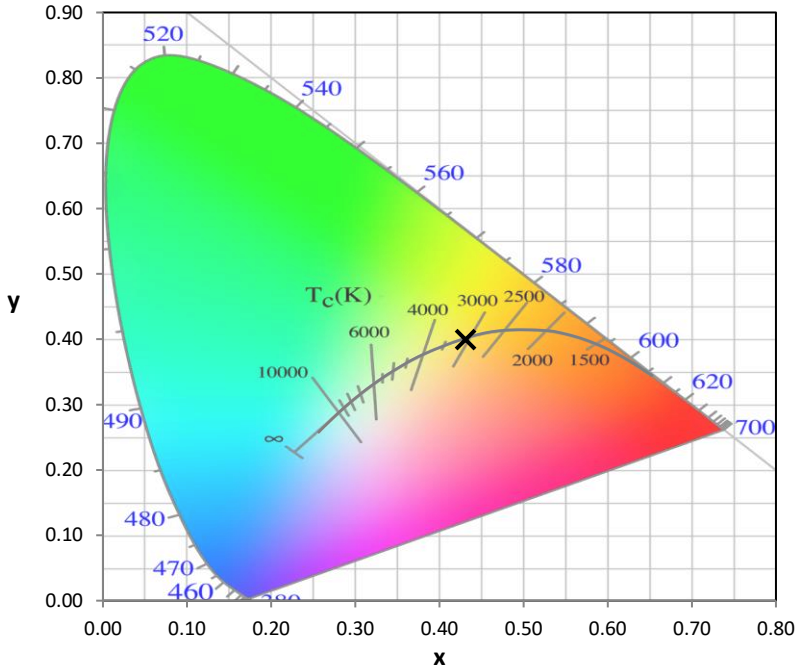
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

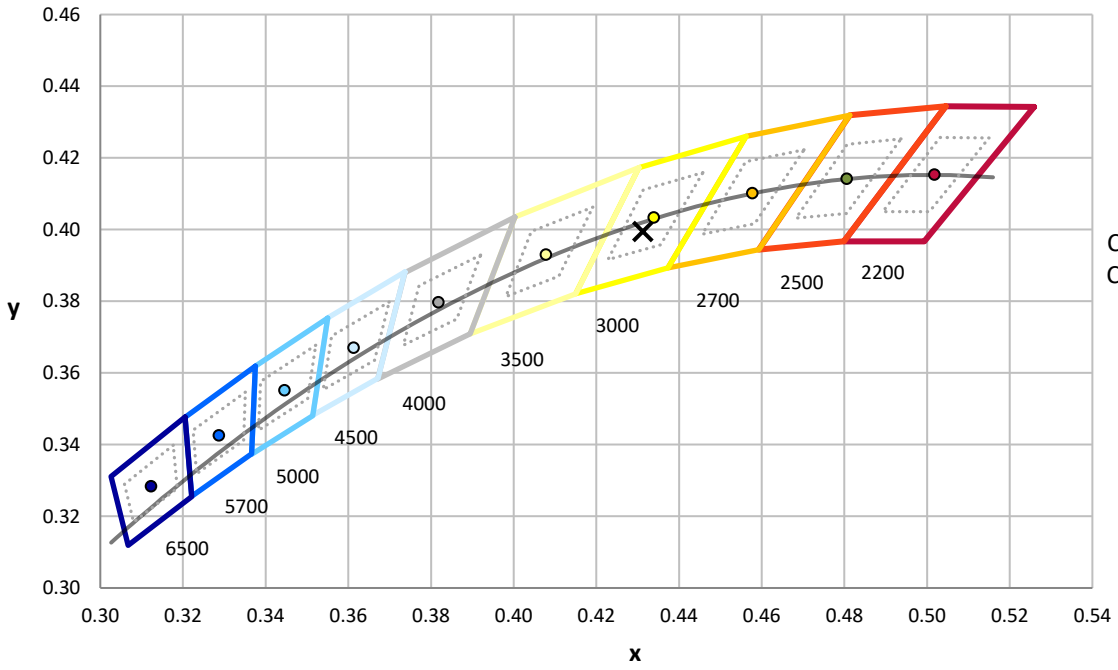
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

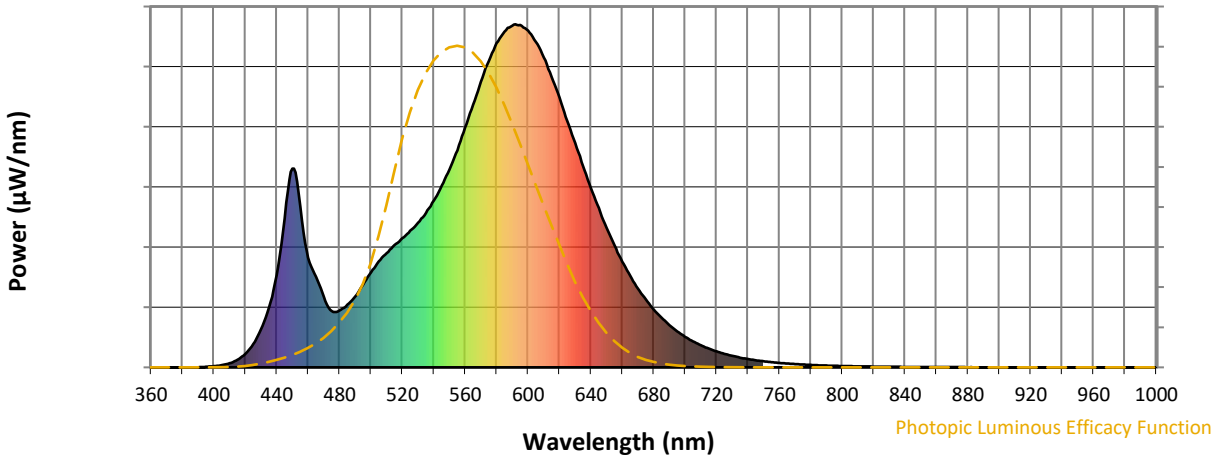


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

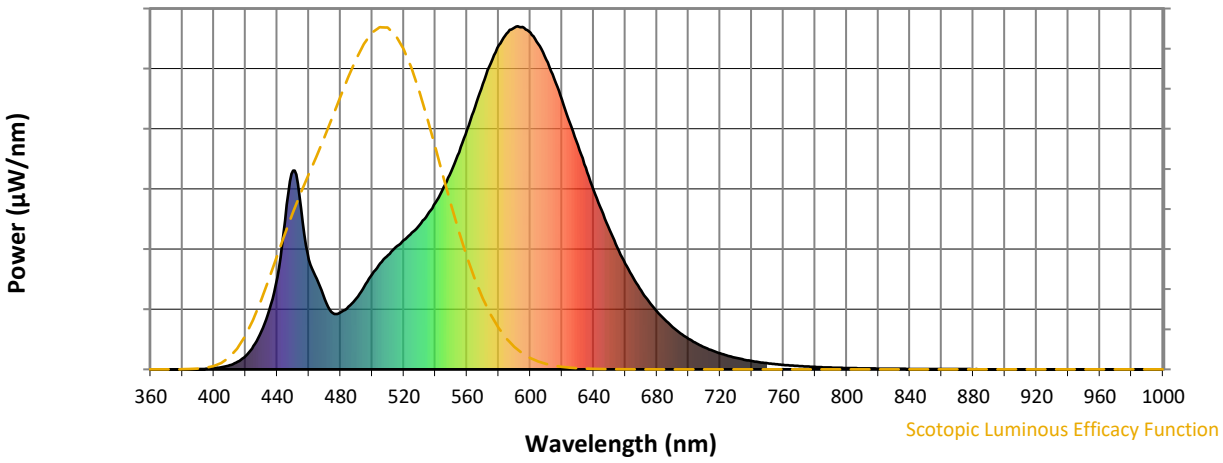


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

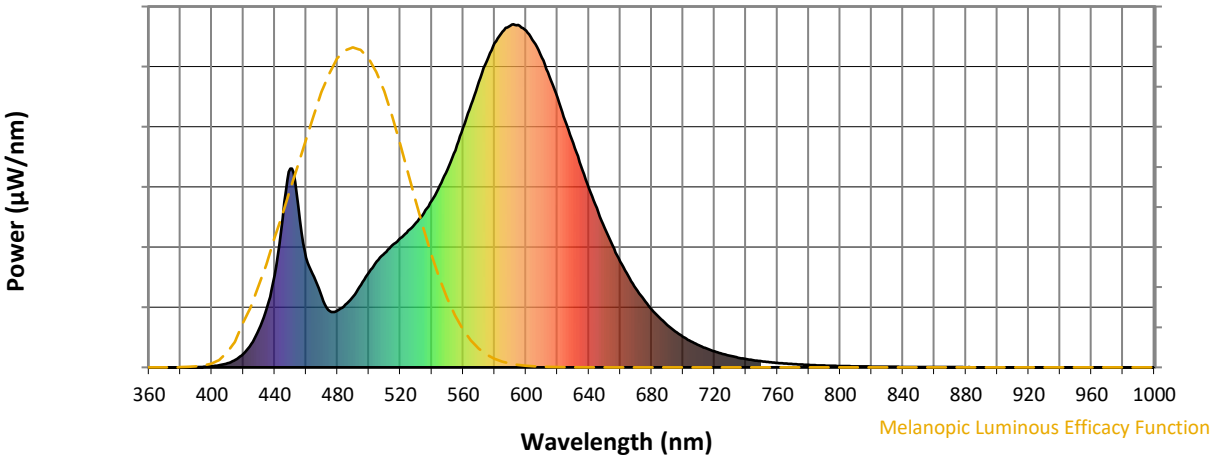


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

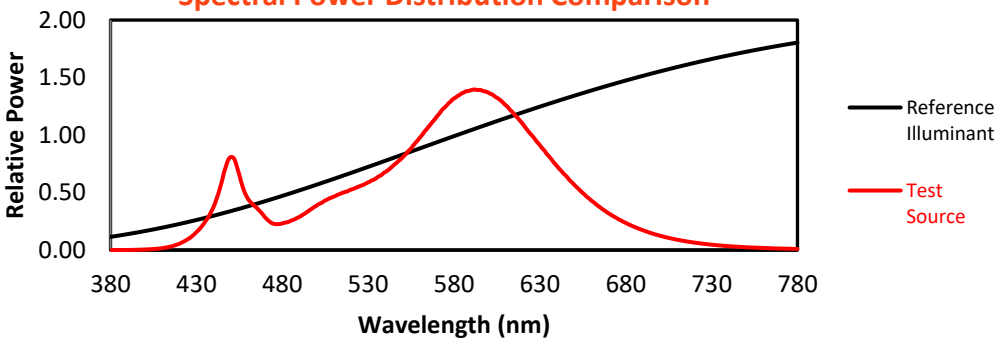
REPORT NUMBER: SP1-2501-332-4

TM-30-18

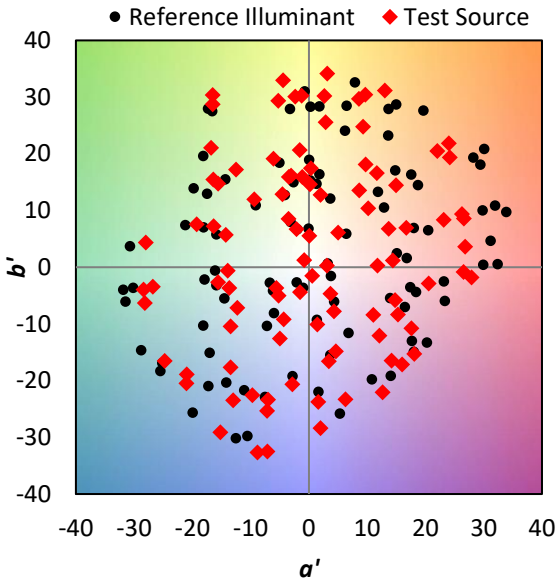
Summary

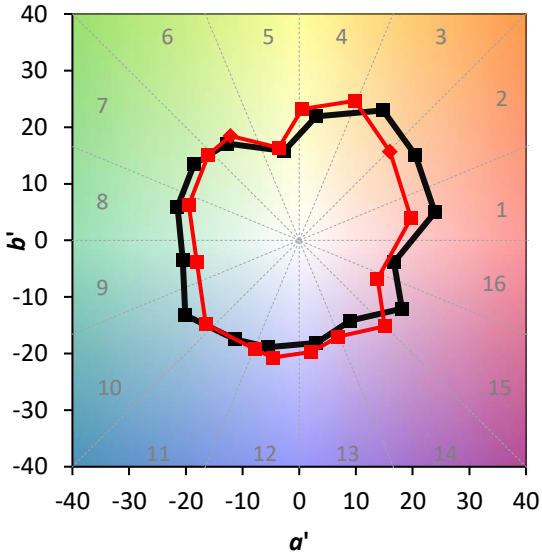
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

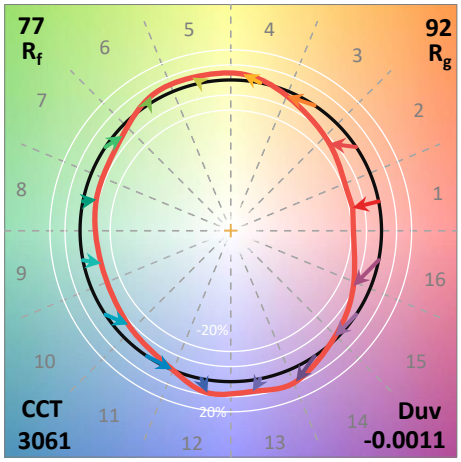
Spectral Power Distribution Comparison

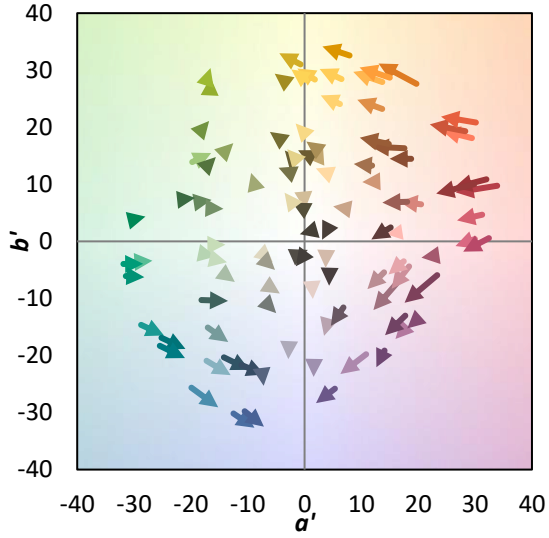


Color Vector Graphics







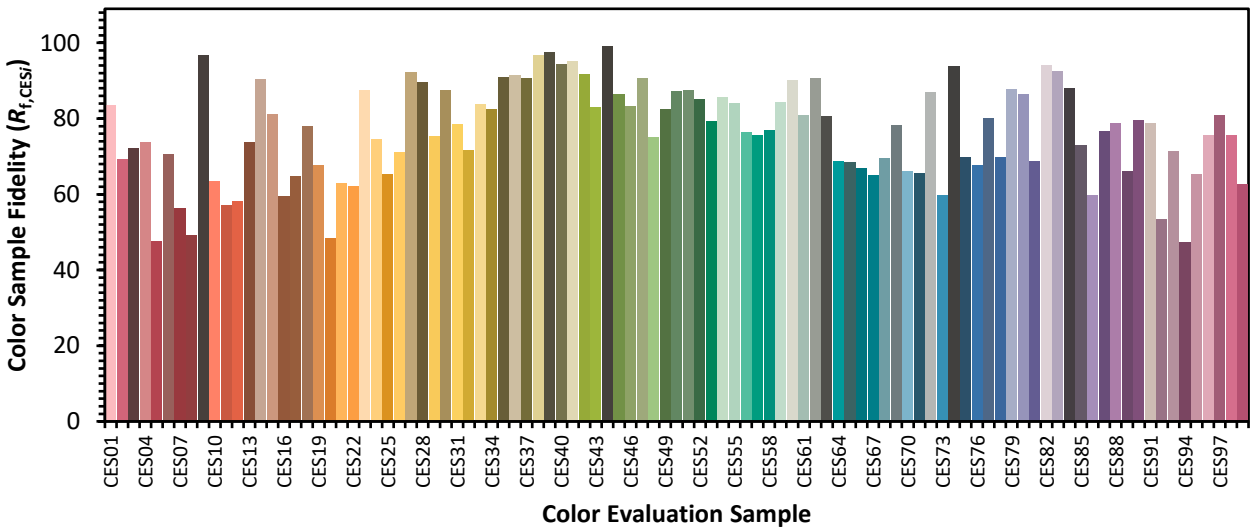


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

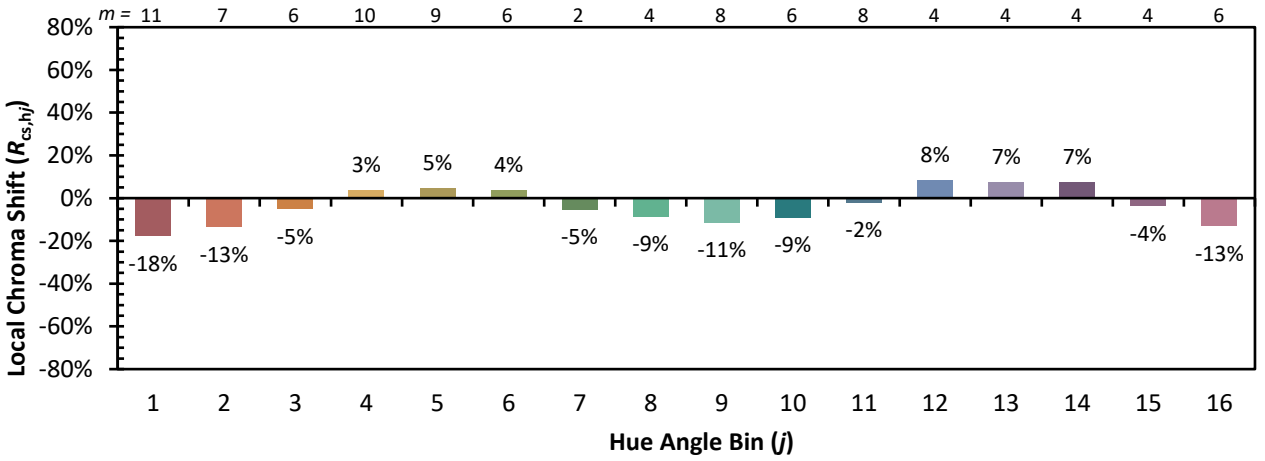
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

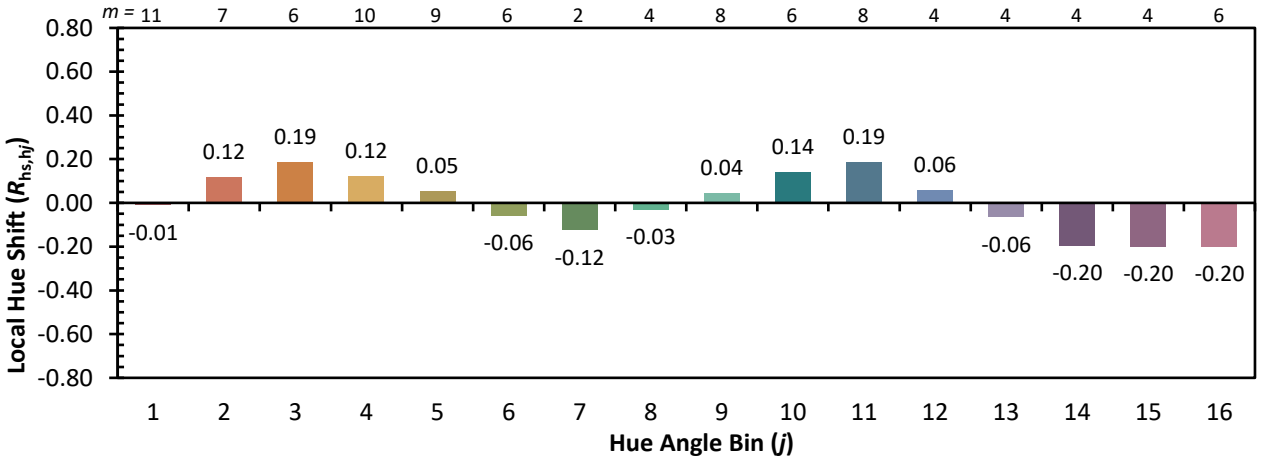


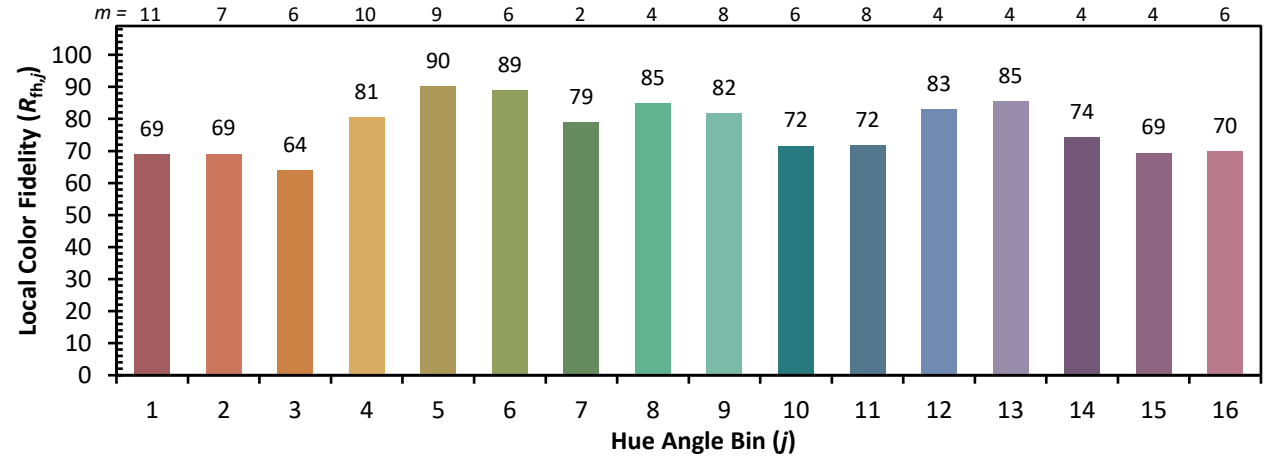
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Color Rendition by Hue-Angle Bin



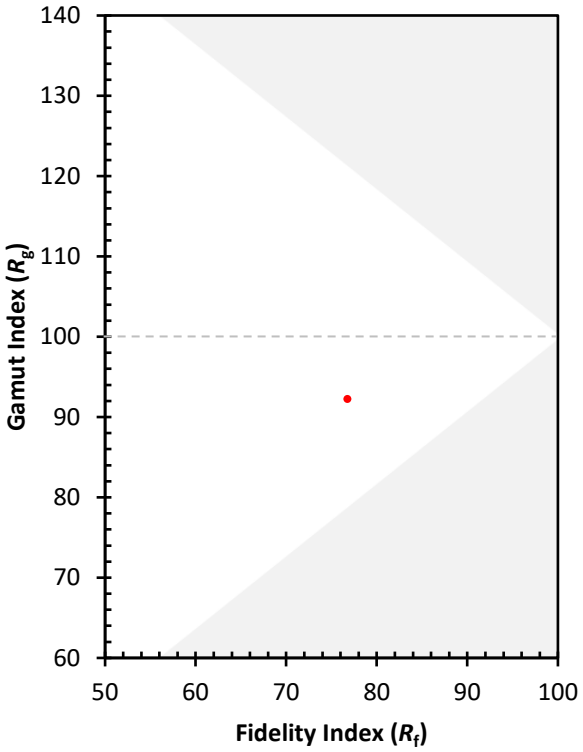


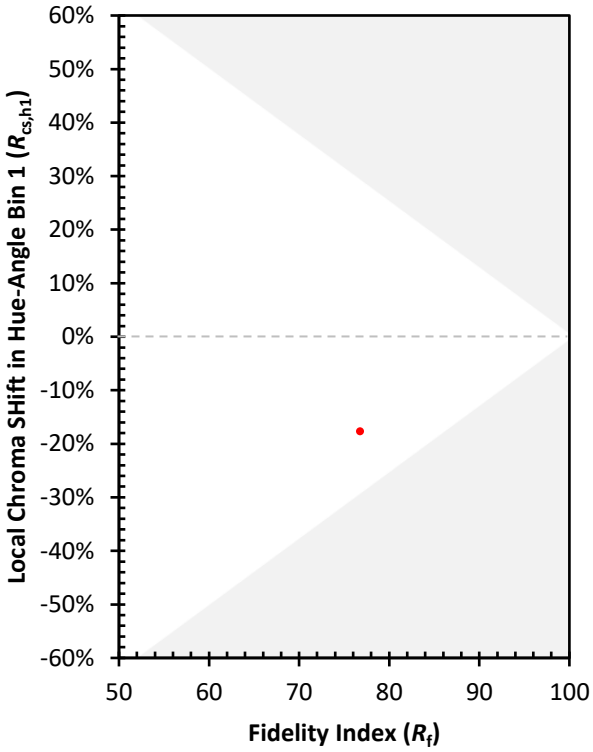


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Measure Comparisons





(END OF REPORT)