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: P1045789

Luminaire Tested: **FFX-CLB-70-727-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:	P1045789
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6990 lumens
Efficiency:	N/A
Efficacy:	98.2 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

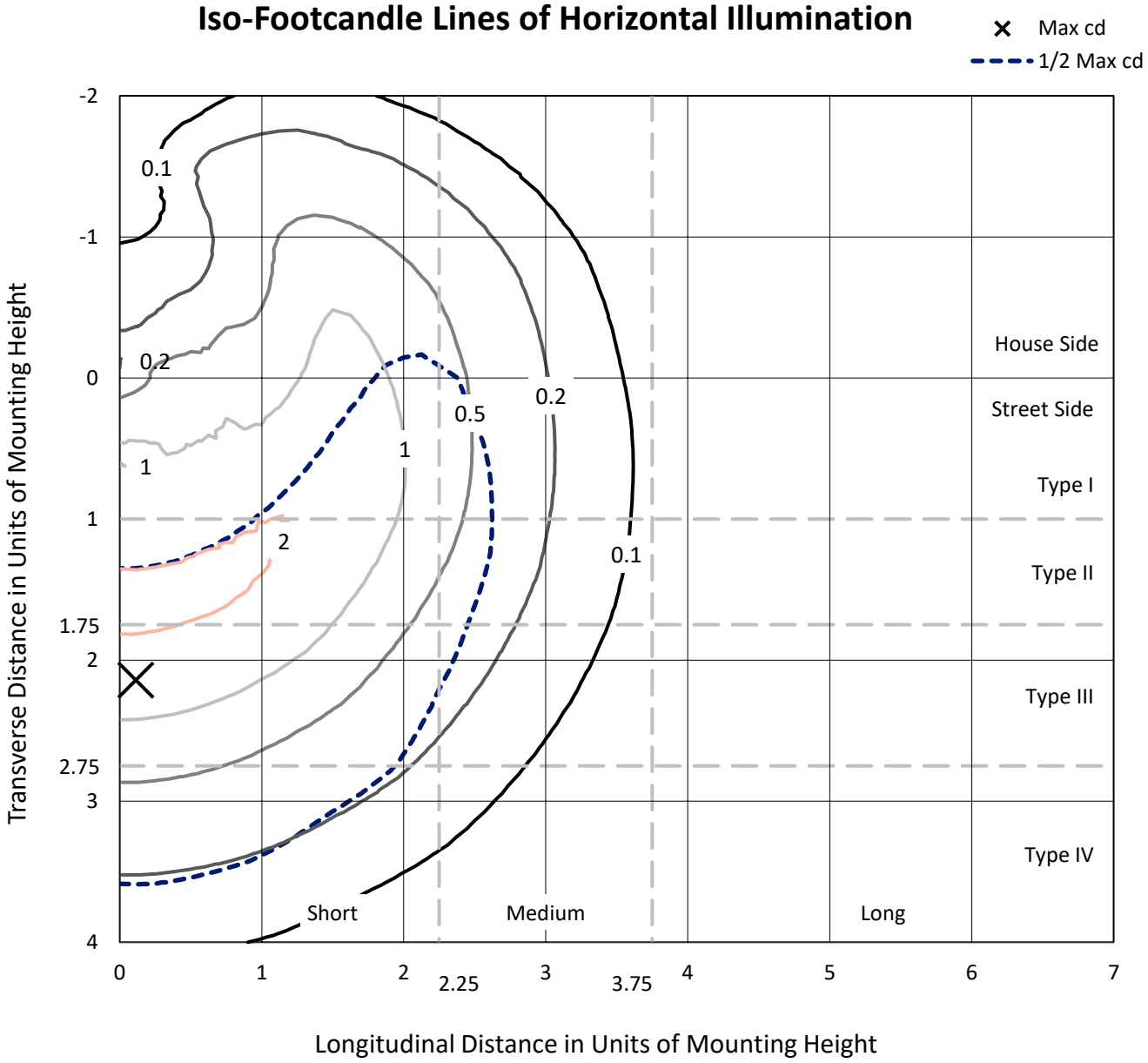


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Iso-Footcandle Lines of Horizontal Illumination



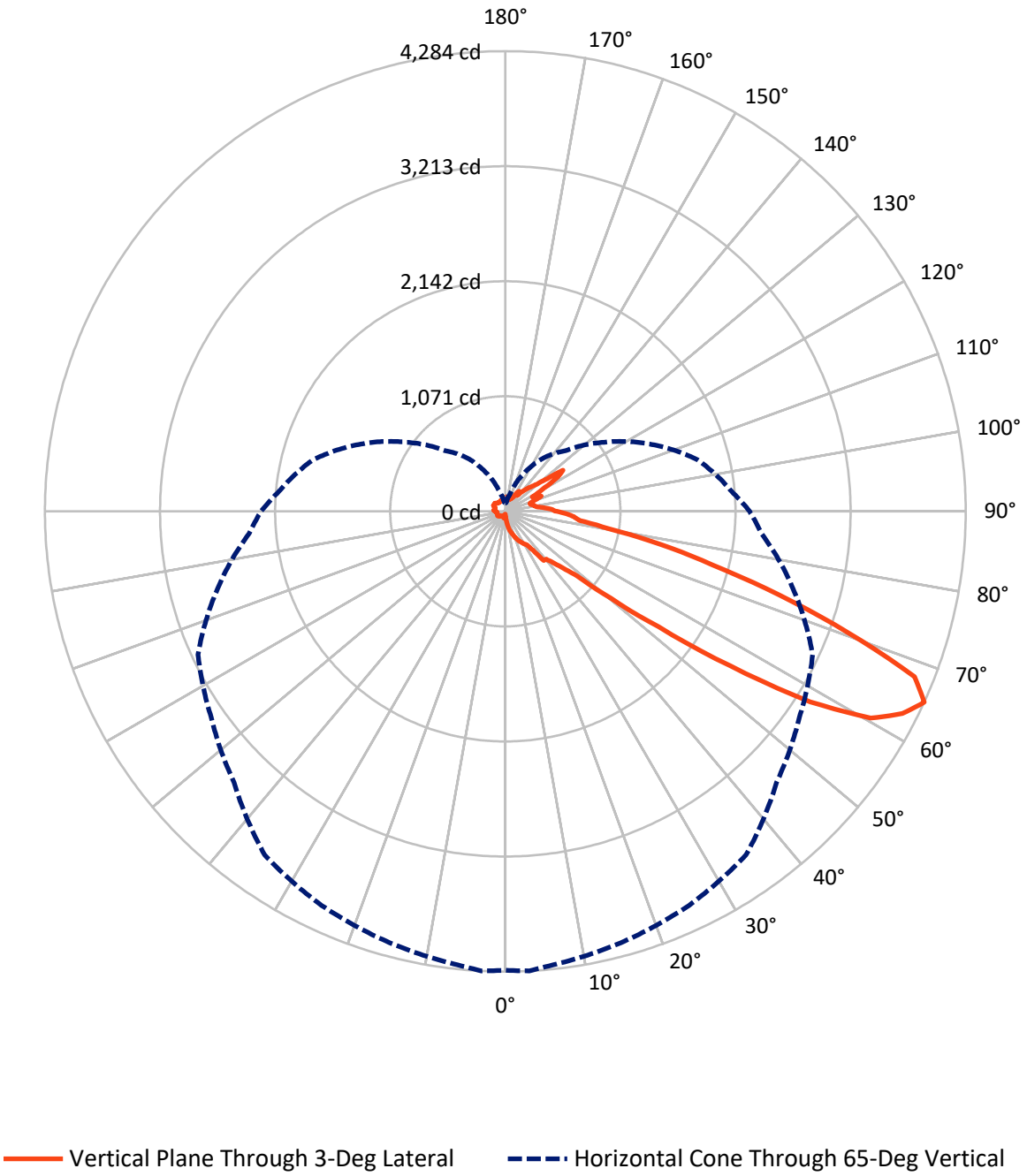
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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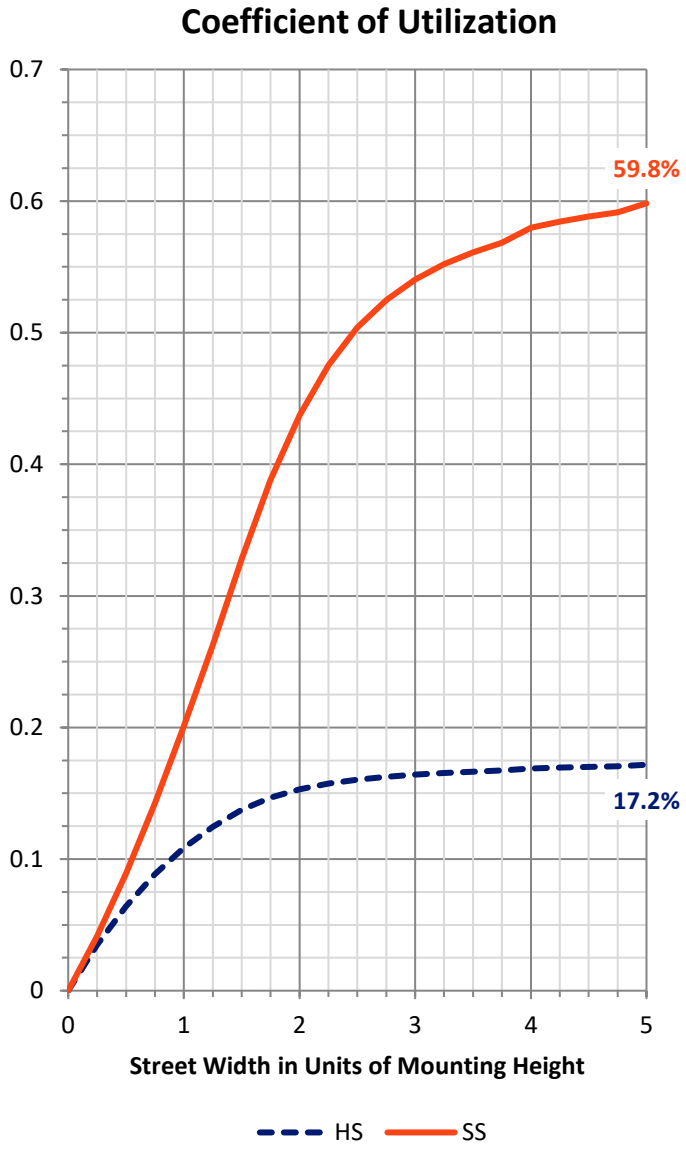
REPORT NUMBER: P1045789
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1246.1	485.1	1731.2
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	4356.0	902.7	5258.8
	% Fixture	62.3	12.9	75.2
Total	Lumens	5602.2	1387.8	6990.0
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.1
10°-20°	39.6	0.6
20°-30°	87.2	1.2
30°-40°	174.1	2.5
40°-50°	375.7	5.4
50°-60°	1284.6	18.4
60°-70°	2087.4	29.9
70°-80°	1123.2	16.1
80°-90°	423.2	6.1
90°-100°	267.0	3.8
100°-110°	189.8	2.7
110°-120°	209.4	3.0
120°-130°	320.0	4.6
130°-140°	191.9	2.7
140°-150°	106.0	1.5
150°-160°	59.0	0.8
160°-170°	32.7	0.5
170°-180°	12.1	0.2
0°-90°	5602.2	80.1
0°-180°	6990.0	100.0



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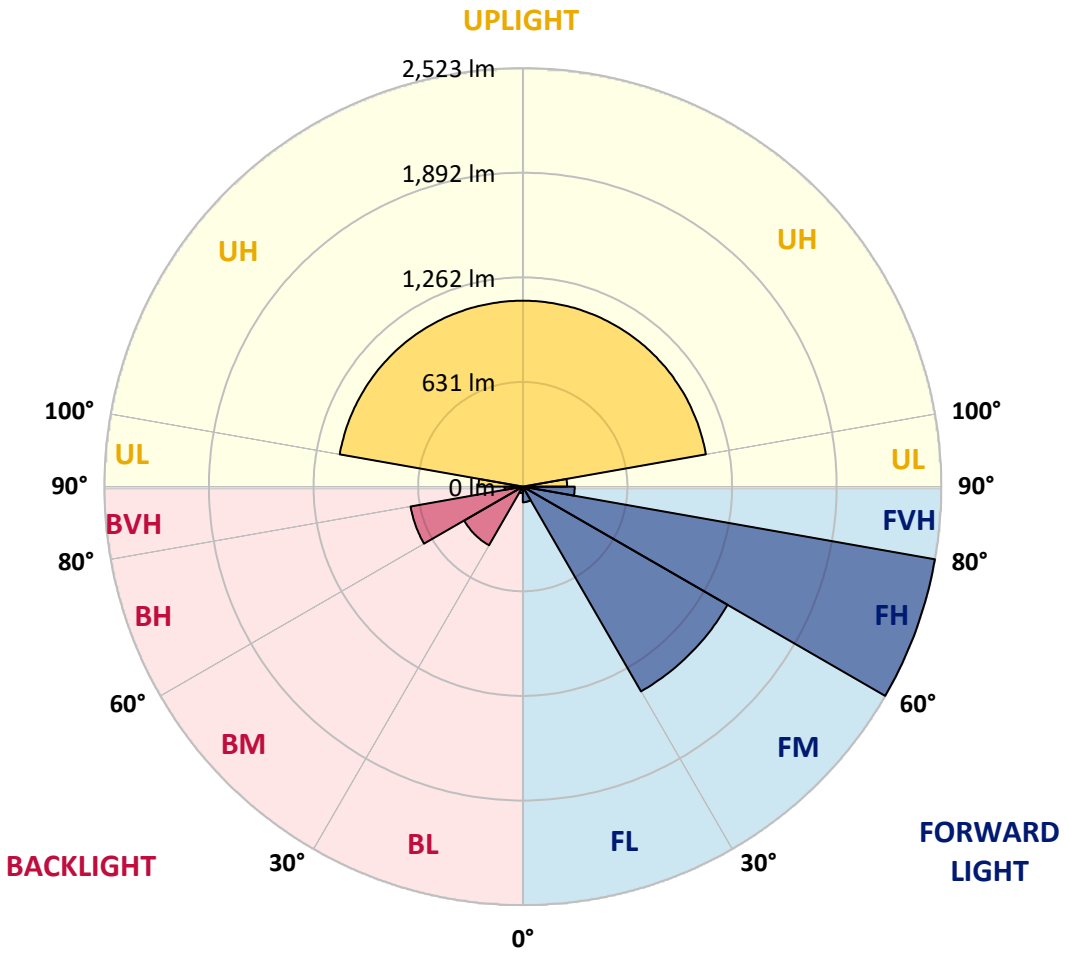
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	94.3	1.3			
FM	(30°-60°)	1425.7	20.4			
FH	(60°-80°)	2523.3	36.1			G2/5000
FVH	(80°-90°)	312.8	4.5			G3/500
BL	(0°-30°)	39.8	0.6	B0/110		
BM	(30°-60°)	408.6	5.8	B1/1000		
BH	(60°-80°)	687.3	9.8	B2/1000		G2/1000
BVH	(80°-90°)	110.4	1.6			G2/225
UL	(90°-100°)	267.0	3.8		U3/500	
UH	(100°-180°)	1120.8	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°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	55.6	56.4	56.4	56.4	57.9	58.7	57.9	55.6	52.5	50.9	49.3
5°	80.6	82.2	81.4	81.4	79.9	79.9	77.5	76.0	74.4	68.9	63.4
7.5°	112.0	110.4	109.6	108.1	108.8	104.9	101.8	101.8	99.4	94.0	85.3
10°	144.9	144.9	142.5	141.7	140.2	138.6	133.1	130.0	130.0	120.6	110.4
12.5°	180.9	180.1	180.9	179.3	177.0	173.0	166.8	159.7	155.8	147.2	132.3
15°	204.4	203.6	203.6	202.8	201.2	197.3	192.6	185.6	175.4	166.8	152.7
17.5°	229.4	227.9	227.9	223.9	220.8	216.1	212.2	205.1	192.6	177.0	163.6
20°	256.8	256.8	256.8	251.3	245.1	238.8	233.3	227.1	217.7	194.2	175.4
22.5°	282.7	283.4	282.7	277.2	271.7	261.5	252.9	245.1	235.7	212.2	189.5
25°	307.7	309.3	308.5	308.5	301.5	288.1	276.4	264.7	258.4	234.9	203.6
27.5°	329.6	330.4	331.2	335.1	331.2	316.3	297.5	283.4	278.7	252.9	215.3
30°	350.8	353.1	353.1	357.0	356.3	339.8	317.1	301.5	292.1	267.0	227.1
32.5°	371.1	372.7	373.5	382.9	382.1	360.2	340.6	323.4	307.7	288.9	247.4
35°	444.7	442.4	454.1	461.2	455.7	436.1	412.6	380.5	358.6	336.7	292.1
37.5°	581.8	580.2	580.2	564.5	542.6	519.9	513.6	480.0	453.4	425.2	364.1
40°	585.7	585.7	588.0	605.3	616.2	587.2	559.8	527.0	521.5	492.5	418.1
42.5°	642.8	649.1	655.4	667.1	686.7	667.9	636.6	584.1	559.1	529.3	465.9
45°	739.9	749.3	746.2	750.9	746.2	729.8	727.4	698.4	660.9	603.7	518.3
47.5°	900.5	895.0	891.8	910.6	941.2	910.6	903.6	857.4	785.3	712.5	615.4
50°	1295.1	1271.6	1295.9	1292.0	1286.5	1258.3	1237.1	1190.9	1073.5	955.3	815.1
52.5°	1823.6	1785.2	1807.2	1822.0	1806.4	1766.4	1703.0	1613.0	1454.8	1302.1	1117.3
55°	2591.7	2538.5	2545.5	2564.3	2575.3	2484.5	2393.6	2194.7	1957.5	1721.8	1521.4
57.5°	3439.7	3344.2	3406.8	3301.9	3258.8	3096.8	3020.0	2818.8	2540.1	2225.3	1901.9
60°	3917.3	3907.2	3895.4	3814.0	3768.6	3586.9	3406.8	3218.1	2968.4	2596.4	2218.2
62.5°	4124.8	4146.8	4129.5	4087.3	4046.5	3886.8	3573.6	3349.7	3146.9	2764.8	2387.4
65°	4271.3	4283.8	4254.8	4156.9	4046.5	3904.0	3569.7	3341.1	3155.5	2770.3	2394.4
67.5°	4103.7	4106.1	4070.8	3944.0	3720.0	3594.8	3270.6	3070.9	2889.3	2560.4	2208.8
70°	3380.2	3387.3	3365.3	3252.6	3064.7	2955.8	2643.4	2438.3	2301.2	2074.2	1815.0
72.5°	2634.8	2665.3	2634.0	2589.4	2410.9	2330.2	2120.4	1954.4	1828.3	1614.5	1405.5
75°	1981.0	1988.0	1988.8	1938.7	1844.7	1826.7	1682.7	1573.0	1463.4	1288.0	1134.6
77.5°	1436.8	1468.1	1457.2	1448.5	1325.6	1332.7	1275.5	1210.5	1141.6	1024.9	915.3
80°	953.7	970.1	950.6	955.3	938.8	934.9	881.7	837.8	795.5	741.5	698.4
82.5°	695.3	692.2	690.6	682.0	669.5	671.8	645.2	591.2	540.3	529.3	489.4
85°	642.8	640.5	638.1	622.5	595.9	579.4	564.5	542.6	511.3	462.0	410.3
87.5°	562.2	563.0	557.5	541.1	523.8	519.1	507.4	493.3	477.6	440.8	395.4
90°	462.8	460.4	461.2	451.8	454.9	453.4	435.3	418.1	411.9	380.5	353.9
92.5°	427.5	425.2	426.0	418.9	407.9	405.6	386.0	364.9	355.5	335.9	315.5
95°	357.0	357.0	353.9	350.8	345.3	337.5	327.3	313.2	306.2	290.5	270.1
97.5°	299.9	296.8	299.1	293.6	288.9	285.8	278.0	263.9	256.8	245.1	229.4
100°	278.7	278.7	278.0	275.6	263.9	257.6	249.0	235.7	230.2	220.0	208.3
102.5°	267.0	266.2	265.4	263.1	252.1	241.2	230.2	222.4	216.1	207.5	195.0
105°	244.3	244.3	245.9	245.1	237.2	230.2	218.5	211.4	205.1	196.5	184.8
107.5°	241.9	241.2	241.2	231.8	221.6	217.7	209.1	202.8	197.3	188.7	175.4
110°	277.2	278.7	281.1	265.4	241.2	231.0	218.5	211.4	205.1	194.2	180.1

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	363.3	*363.3*	361.7	353.1	310.9	282.7	276.4	258.4	248.2	231.8	212.2
115°	326.5	*327.3*	326.5	328.9	325.7	290.5	296.8	267.0	284.2	245.9	232.6
117.5°	285.0	*284.2*	281.1	281.9	285.0	307.7	258.4	251.3	258.4	223.9	212.2
120°	397.8	*390.7*	397.8	368.8	364.1	368.0	339.8	334.3	304.6	263.1	231.8
122.5°	585.7	*574.7*	590.4	580.2	588.0	562.2	534.8	512.1	479.2	409.5	346.9
125°	661.6	*659.3*	655.4	641.3	628.7	617.8	622.5	631.1	613.1	556.7	483.9
127.5°	487.0	*493.3*	490.9	519.1	546.5	540.3	523.8	531.7	541.1	537.9	494.9
130°	388.4	*393.8*	397.0	424.4	447.9	447.9	421.3	414.2	422.0	438.5	422.0
132.5°	340.6	*342.2*	343.7	353.1	372.7	382.1	365.7	354.7	357.8	366.4	352.4
135°	306.9	*306.2*	303.8	297.5	299.1	308.5	315.5	314.0	311.6	311.6	303.8
137.5°	266.2	*265.4*	265.4	256.0	252.1	260.0	270.1	279.5	273.3	264.7	255.3
140°	221.6	*220.8*	221.6	227.1	228.6	229.4	234.9	234.9	234.9	234.1	230.2
142.5°	184.0	*184.8*	186.4	200.4	207.5	207.5	200.4	194.2	193.4	198.1	198.9
145°	226.3	*226.3*	227.1	226.3	221.6	216.9	212.2	212.2	207.5	196.5	191.1
147.5°	202.0	*205.1*	202.8	205.1	206.7	207.5	206.7	209.1	209.8	203.6	195.0
150°	158.9	*158.2*	156.6	158.9	162.9	167.6	169.1	170.7	171.5	171.5	171.5
152.5°	137.8	*138.6*	137.8	140.2	142.5	143.3	145.6	145.6	146.4	145.6	144.1
155°	133.9	*133.9*	133.9	133.9	134.7	136.2	139.4	140.9	139.4	137.0	133.1
157.5°	124.5	*124.5*	124.5	125.3	126.8	128.4	130.8	132.3	132.3	130.8	127.6
160°	119.0	*119.0*	119.0	119.0	120.6	122.1	123.7	125.3	125.3	124.5	122.1
162.5°	112.8	*112.8*	112.8	113.5	115.1	116.7	118.2	119.8	119.0	119.0	117.5
165°	112.0	*112.0*	112.0	112.8	114.3	116.7	117.5	117.5	118.2	118.2	118.2
167.5°	115.1	*115.1*	115.9	115.9	117.5	118.2	119.8	120.6	121.4	120.6	120.6
170°	119.8	*119.8*	119.8	120.6	121.4	121.4	122.1	122.1	122.9	122.9	122.9
172.5°	126.1	*126.1*	126.1	126.1	125.3	125.3	125.3	125.3	126.1	125.3	126.1
175°	133.1	*133.1*	133.1	132.3	131.5	131.5	130.8	130.8	130.0	129.2	129.2
177.5°	133.9	*133.9*	133.9	133.9	133.1	132.3	132.3	131.5	130.8	130.8	130.8
180°	130.8	*130.8*	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	47.8	46.2	42.3	39.1	36.8	33.7	31.3	29.0	27.4	26.6	25.8
5°	62.6	59.5	54.8	50.1	46.2	40.7	37.6	32.1	28.2	26.6	25.8
7.5°	82.2	79.9	77.5	76.7	75.2	68.1	57.9	50.1	48.5	47.0	48.5
10°	104.9	100.2	93.2	97.1	97.1	83.8	69.7	61.9	61.1	64.2	65.0
12.5°	126.1	119.8	111.2	110.4	101.8	83.8	68.9	61.1	60.3	61.1	61.9
15°	145.6	138.6	129.2	121.4	108.1	89.3	72.0	61.9	59.5	61.9	61.9
17.5°	156.6	149.6	136.2	121.4	105.7	88.5	71.3	60.3	54.8	51.7	51.7
20°	169.9	164.4	146.4	127.6	106.5	87.7	70.5	58.7	52.5	49.3	48.5
22.5°	181.7	175.4	155.8	135.5	111.2	87.7	68.1	57.9	52.5	49.3	48.5
25°	195.8	186.4	166.8	144.1	115.1	87.7	68.1	58.7	53.2	50.1	49.3
27.5°	205.1	194.2	175.4	150.3	119.8	89.3	70.5	59.5	53.2	50.1	50.1
30°	214.5	204.4	182.4	158.9	125.3	93.2	74.4	62.6	55.6	51.7	51.7
32.5°	233.3	220.0	193.4	166.0	130.0	96.3	78.3	65.8	57.9	54.0	54.0
35°	275.6	256.8	224.7	186.4	136.2	99.4	82.2	69.7	59.5	54.8	54.8
37.5°	339.8	316.3	277.2	224.7	151.9	104.1	85.3	71.3	61.1	57.2	56.4
40°	382.1	353.1	306.2	255.3	174.6	112.0	89.3	73.6	62.6	57.9	57.2
42.5°	433.0	397.8	335.1	264.7	186.4	128.4	97.1	77.5	65.0	58.7	57.9
45°	479.2	449.4	390.7	309.3	220.0	152.7	111.2	84.6	68.9	61.1	60.3
47.5°	573.2	527.0	448.7	364.9	262.3	189.5	135.5	95.5	75.2	64.2	62.6
50°	756.4	708.6	613.9	483.9	339.0	241.2	174.6	115.9	83.0	67.3	65.0
52.5°	1027.3	939.6	833.9	658.5	480.8	348.4	247.4	163.6	98.7	70.5	66.6
55°	1389.8	1339.7	1152.6	929.4	685.1	521.5	380.5	254.5	147.2	74.4	67.3
57.5°	1805.6	1706.2	1535.5	1257.5	916.1	664.0	514.4	379.0	216.9	86.9	71.3
60°	2073.4	1970.0	1774.3	1493.2	1115.0	791.6	586.5	422.0	245.9	89.3	74.4
62.5°	2246.4	2101.6	1853.4	1524.5	1172.9	844.1	619.4	400.9	209.8	86.9	76.7
65°	*2273.0*	*2115.7*	*1853.4*	*1481.4*	*1120.5*	*801.0*	*599.0*	*370.4*	*165.2*	*83.0*	*79.9*
67.5°	2115.7	1945.0	1727.3	1358.5	1005.4	686.7	514.4	302.2	125.3	80.6	79.1
70°	1713.2	1605.9	1407.8	1107.2	802.6	562.2	409.5	231.8	101.8	78.3	77.5
72.5°	1309.2	1231.7	1093.1	862.9	618.6	433.8	312.4	182.4	91.6	76.7	76.0
75°	1042.2	971.7	859.0	664.8	472.1	334.3	233.3	140.2	83.8	76.7	75.2
77.5°	859.7	797.9	696.1	527.0	344.5	249.8	177.0	113.5	82.2	76.7	76.0
80°	661.6	617.0	541.1	382.9	246.6	187.1	140.9	101.0	82.2	78.3	77.5
82.5°	469.0	451.8	394.6	298.3	207.5	162.9	130.0	99.4	83.8	79.9	79.1
85°	389.9	369.6	328.9	260.0	193.4	157.4	128.4	101.8	87.7	84.6	83.8
87.5°	375.8	362.5	322.6	251.3	185.6	150.3	122.9	99.4	87.7	86.1	86.9
90°	339.8	324.9	294.4	234.1	177.7	149.6	125.3	103.4	90.8	89.3	88.5
92.5°	308.5	299.9	273.3	226.3	183.2	155.0	132.3	112.8	102.6	99.4	99.4
95°	263.9	255.3	240.4	207.5	174.6	151.9	132.3	115.1	106.5	104.9	104.1
97.5°	224.7	219.2	206.7	180.9	155.0	136.2	119.0	105.7	98.7	96.3	96.3
100°	205.1	200.4	190.3	173.0	153.5	137.8	123.7	112.0	105.7	104.1	104.1
102.5°	191.1	187.1	177.7	165.2	148.0	135.5	123.7	113.5	106.5	104.9	105.7
105°	179.3	175.4	166.0	153.5	139.4	126.1	117.5	109.6	101.8	99.4	99.4
107.5°	170.7	166.8	158.9	146.4	134.7	122.9	113.5	107.3	101.0	99.4	99.4
110°	174.6	169.1	157.4	144.1	133.9	123.7	115.9	109.6	104.9	102.6	102.6

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

Scaled Data Report

REPORT NUMBER: P1045789
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	204.4	195.8	176.2	157.4	144.1	132.3	123.7	115.1	111.2	108.1	108.1
115°	223.9	215.3	195.8	173.0	153.5	137.0	125.3	118.2	113.5	116.7	115.1
117.5°	204.4	198.1	183.2	166.8	151.1	137.0	126.8	122.1	119.0	122.9	124.5
120°	224.7	213.0	201.2	182.4	153.5	133.9	126.8	125.3	125.3	122.1	122.1
122.5°	321.0	301.5	257.6	225.5	185.6	163.6	150.3	137.8	125.3	120.6	119.8
125°	449.4	412.6	357.0	300.7	245.9	199.7	161.3	137.8	126.1	119.0	117.5
127.5°	472.9	440.8	389.9	321.8	247.4	195.0	160.5	142.5	129.2	121.4	120.6
130°	399.3	383.7	338.3	279.5	222.4	181.7	158.9	142.5	130.0	122.9	121.4
132.5°	339.0	328.1	285.8	238.8	198.1	168.3	148.0	130.0	118.2	112.0	110.4
135°	291.3	284.2	247.4	213.8	183.2	158.9	137.8	120.6	111.2	107.3	106.5
137.5°	249.8	242.7	217.7	194.2	170.7	149.6	132.3	117.5	108.8	106.5	105.7
140°	223.9	217.7	202.0	177.0	154.3	132.3	119.8	110.4	105.7	104.1	103.4
142.5°	195.0	187.9	170.7	152.7	137.0	119.8	111.2	107.3	104.9	103.4	102.6
145°	184.8	180.1	160.5	144.1	129.2	120.6	115.9	110.4	105.7	102.6	101.8
147.5°	187.1	181.7	164.4	148.8	135.5	126.1	118.2	110.4	104.1	101.0	100.2
150°	167.6	166.0	155.8	143.3	130.8	120.6	112.8	106.5	102.6	101.8	101.8
152.5°	140.2	139.4	134.7	127.6	119.0	111.2	105.7	102.6	102.6	104.1	104.9
155°	131.5	129.2	126.1	121.4	114.3	108.8	104.9	103.4	104.1	105.7	105.7
157.5°	126.8	124.5	121.4	117.5	113.5	108.8	105.7	104.9	106.5	108.1	108.1
160°	120.6	119.0	116.7	112.8	109.6	107.3	105.7	105.7	106.5	107.3	107.3
162.5°	116.7	115.1	112.8	110.4	108.8	108.1	107.3	106.5	107.3	108.1	108.1
165°	116.7	115.9	112.8	110.4	109.6	109.6	109.6	109.6	109.6	108.8	108.8
167.5°	119.8	119.0	116.7	115.1	114.3	115.1	115.1	114.3	113.5	112.0	112.0
170°	122.9	122.1	121.4	120.6	119.8	120.6	120.6	120.6	119.8	119.8	119.0
172.5°	126.1	125.3	124.5	123.7	123.7	123.7	124.5	125.3	125.3	125.3	125.3
175°	129.2	129.2	127.6	126.8	126.8	126.8	127.6	127.6	128.4	128.4	128.4
177.5°	130.8	130.8	130.8	130.8	131.5	130.8	130.8	130.0	130.0	130.0	130.0
180°	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

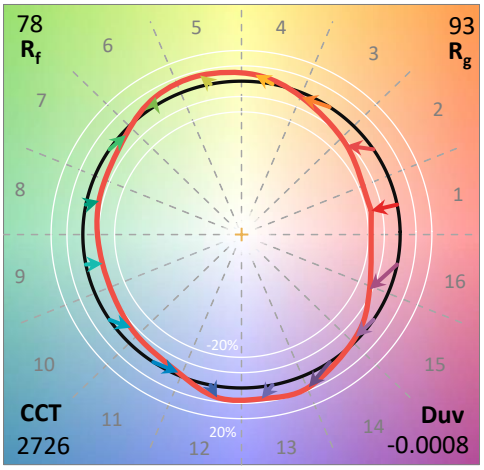
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

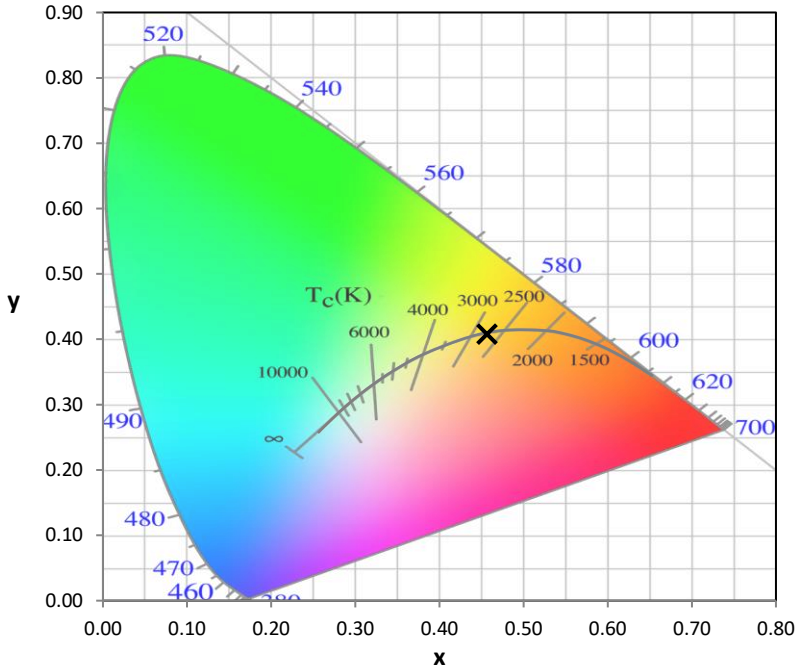
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

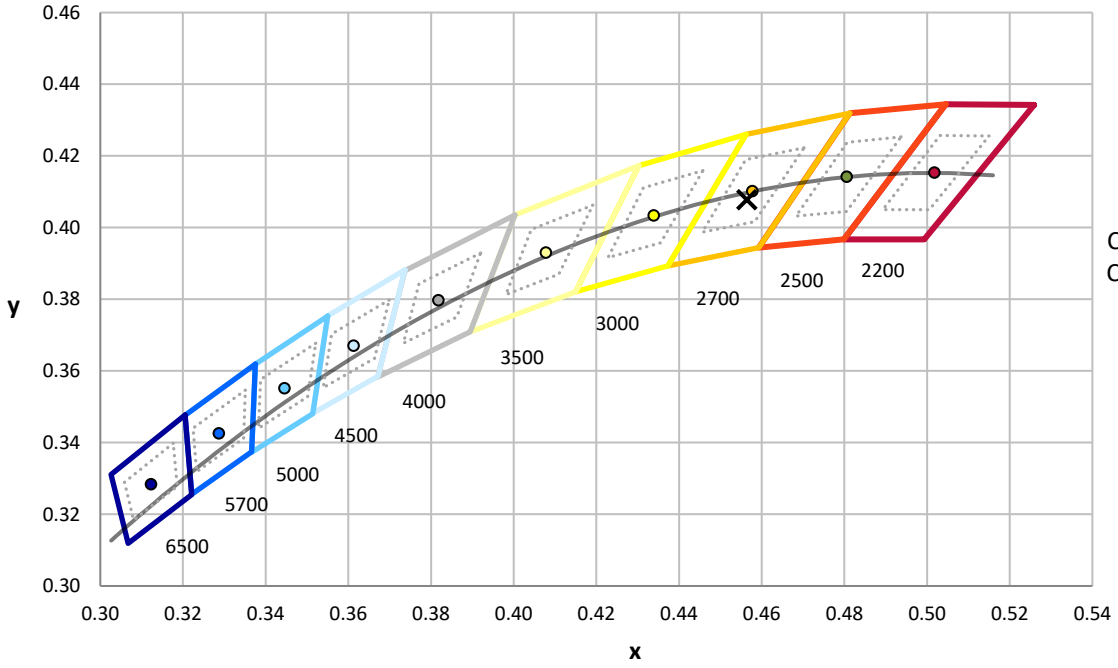
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

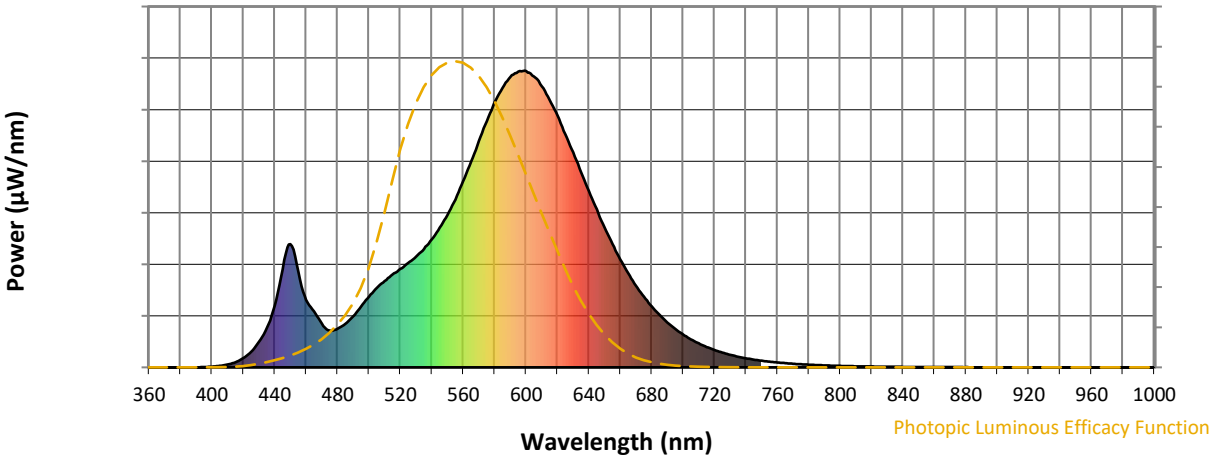


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

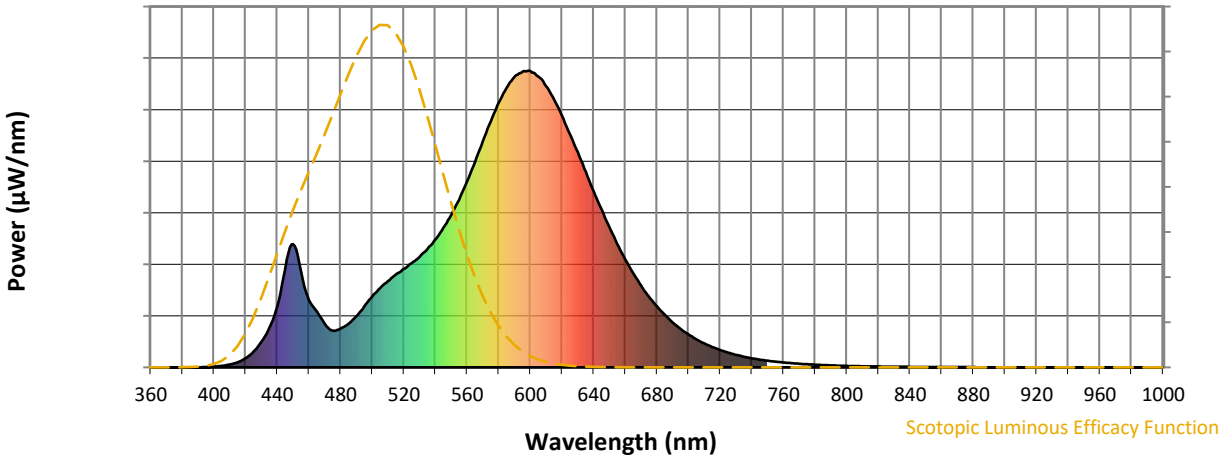


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

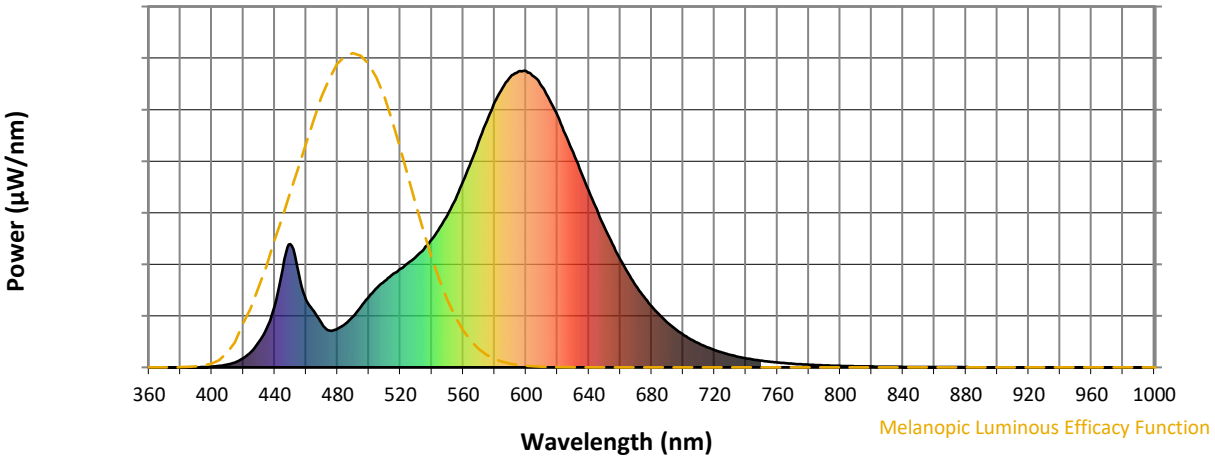


Scotopic Lumens: NR **S/P: 1.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

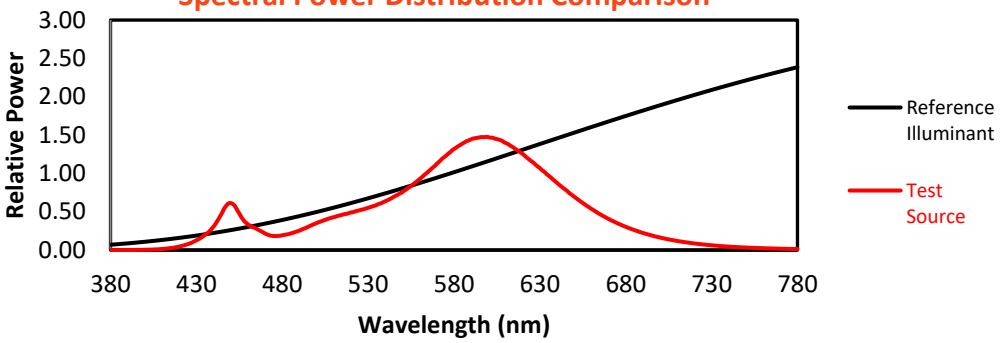
REPORT NUMBER: SP1-2501-332-3

TM-30-18

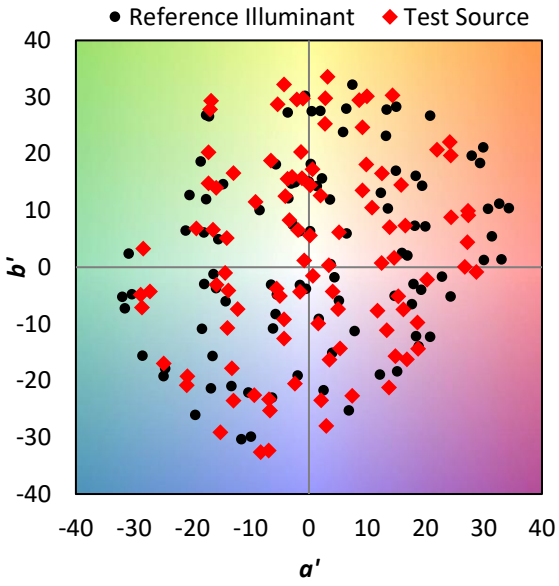
Summary

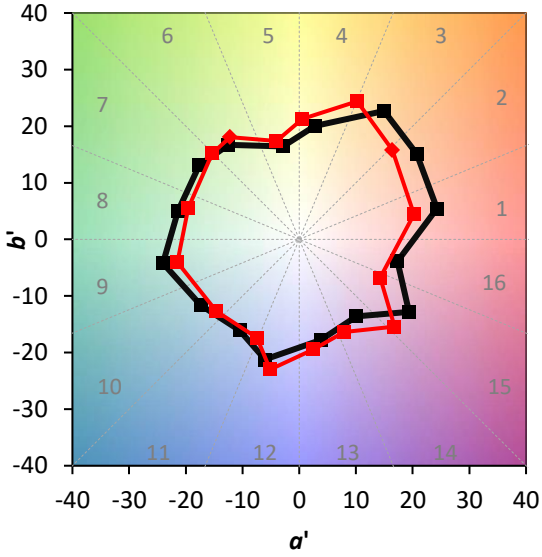
R_f = 77.8
R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

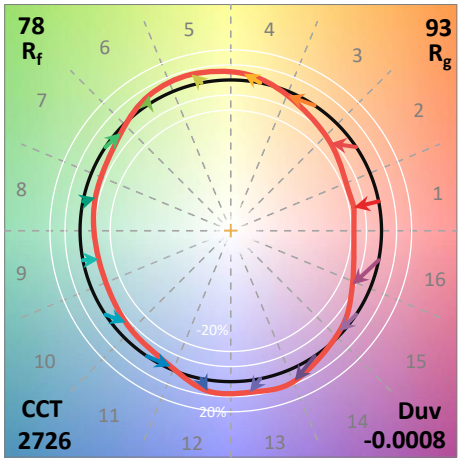
Spectral Power Distribution Comparison

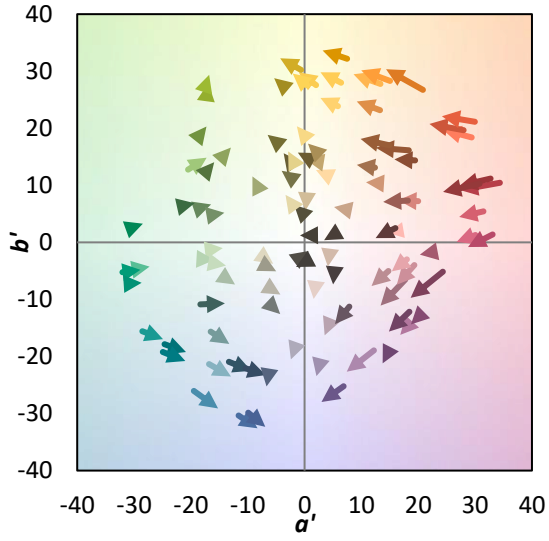


Color Vector Graphics







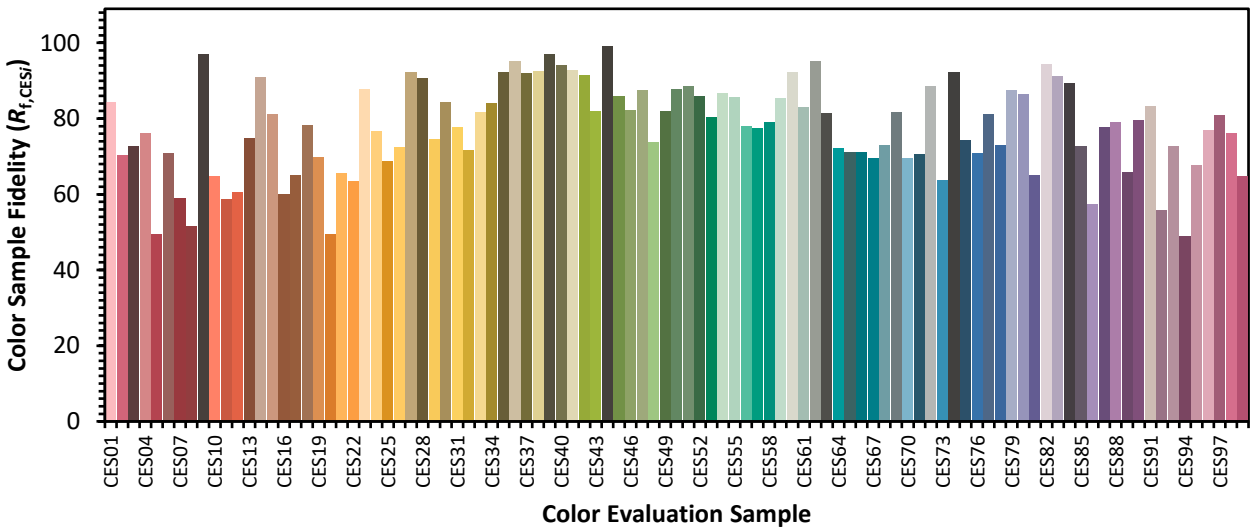


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

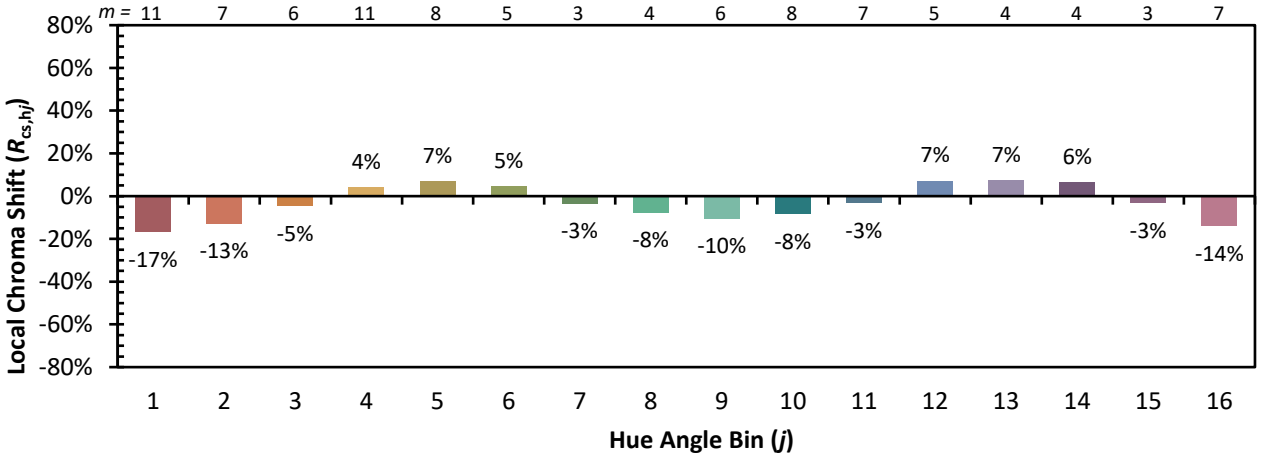
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

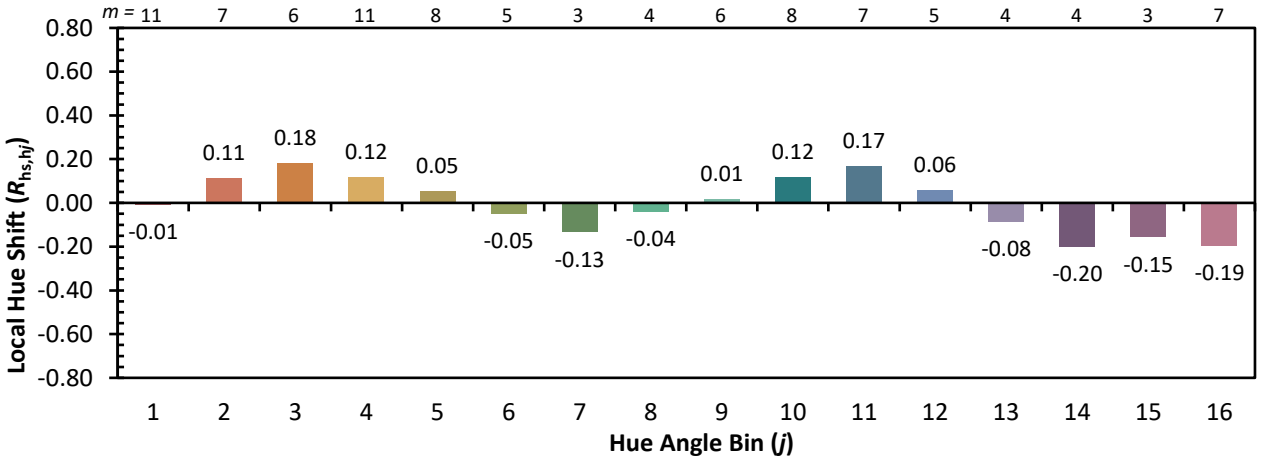


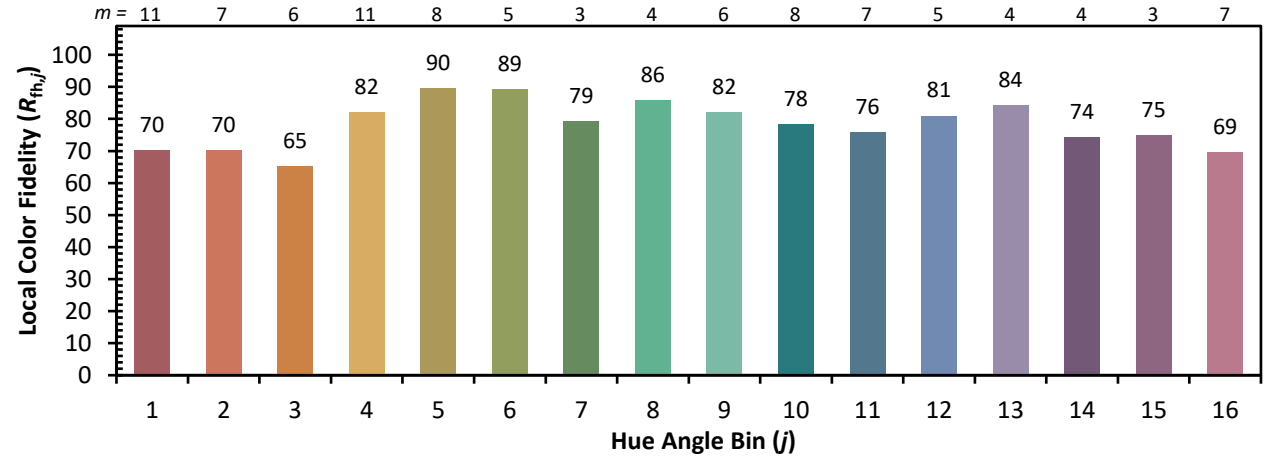
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Color Rendition by Hue-Angle Bin



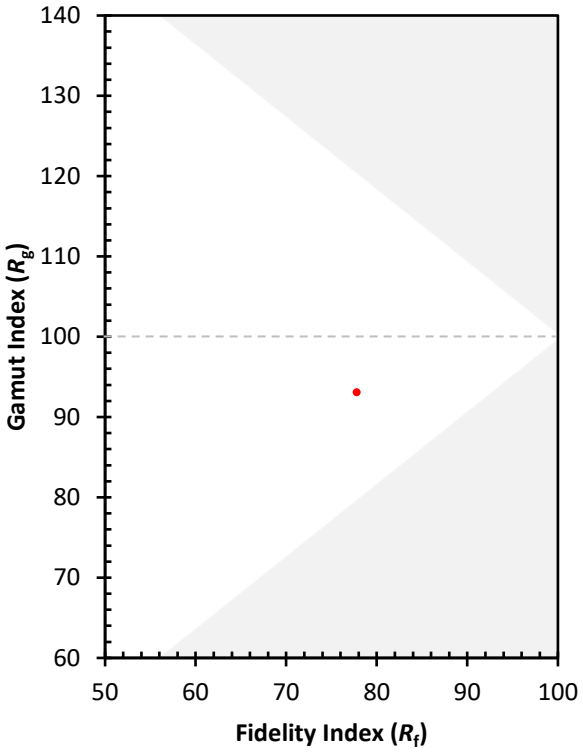


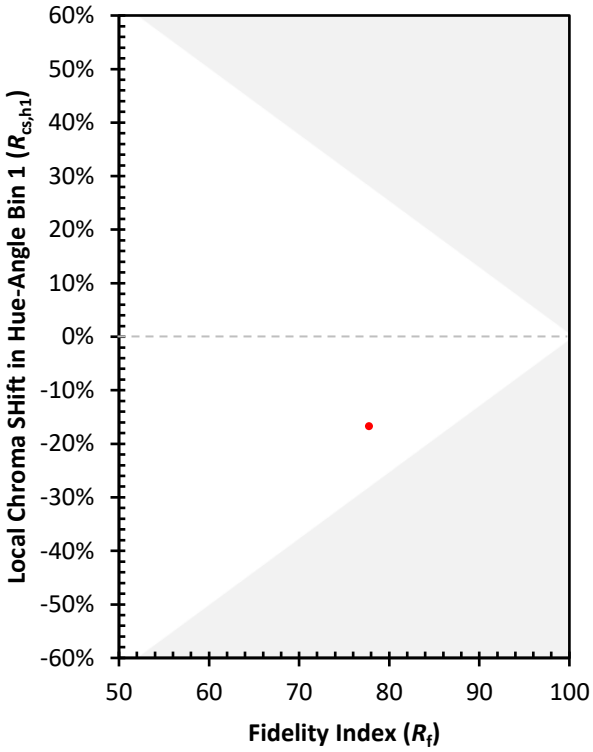


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Measure Comparisons





(END OF REPORT)