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: P1224030

Luminaire Tested: **FFX-CLB-20-727-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224030
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-727-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2710 lumens
Efficiency:	N/A
Efficacy:	136.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G3

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

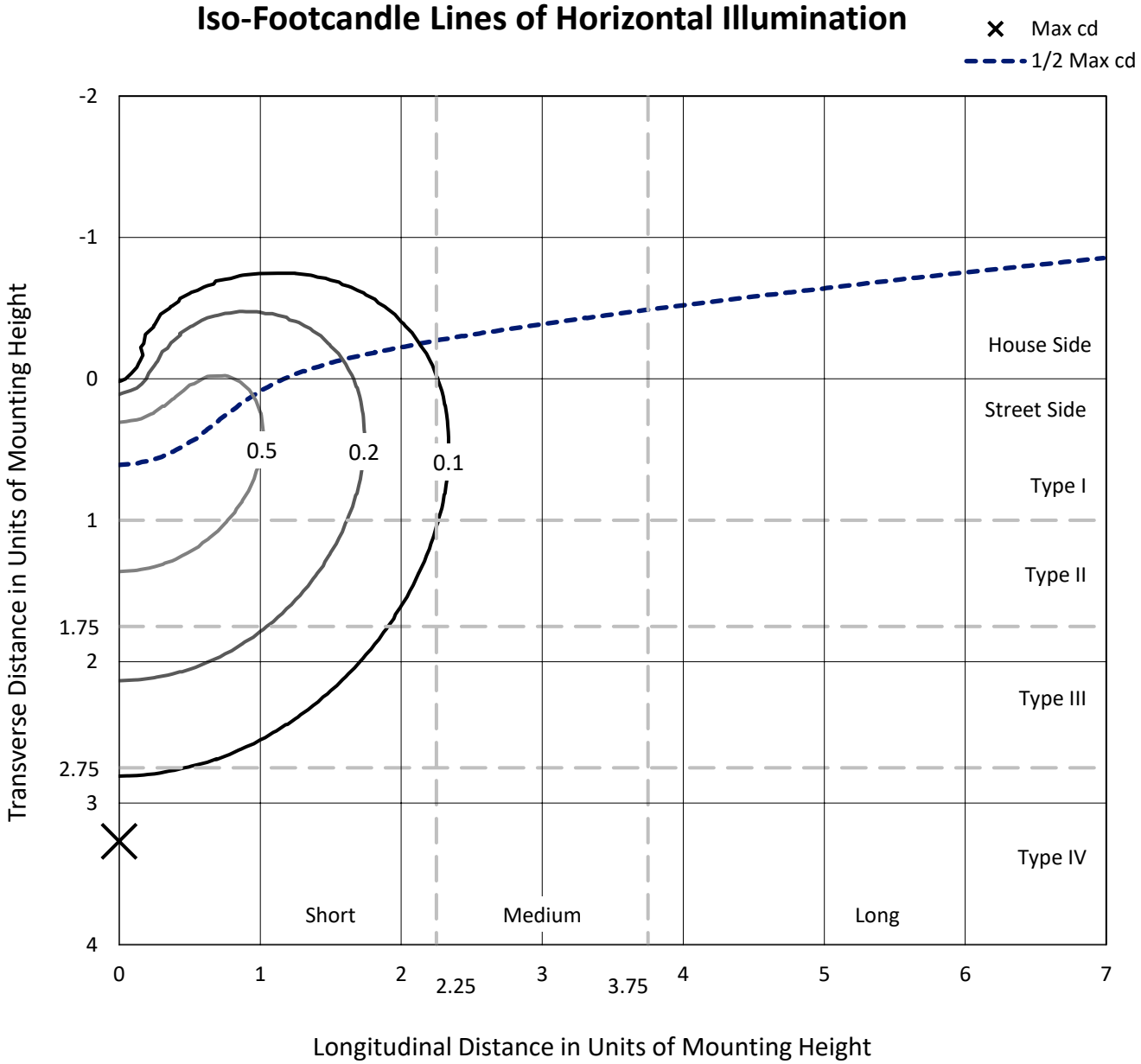


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Iso-Footcandle Lines of Horizontal Illumination



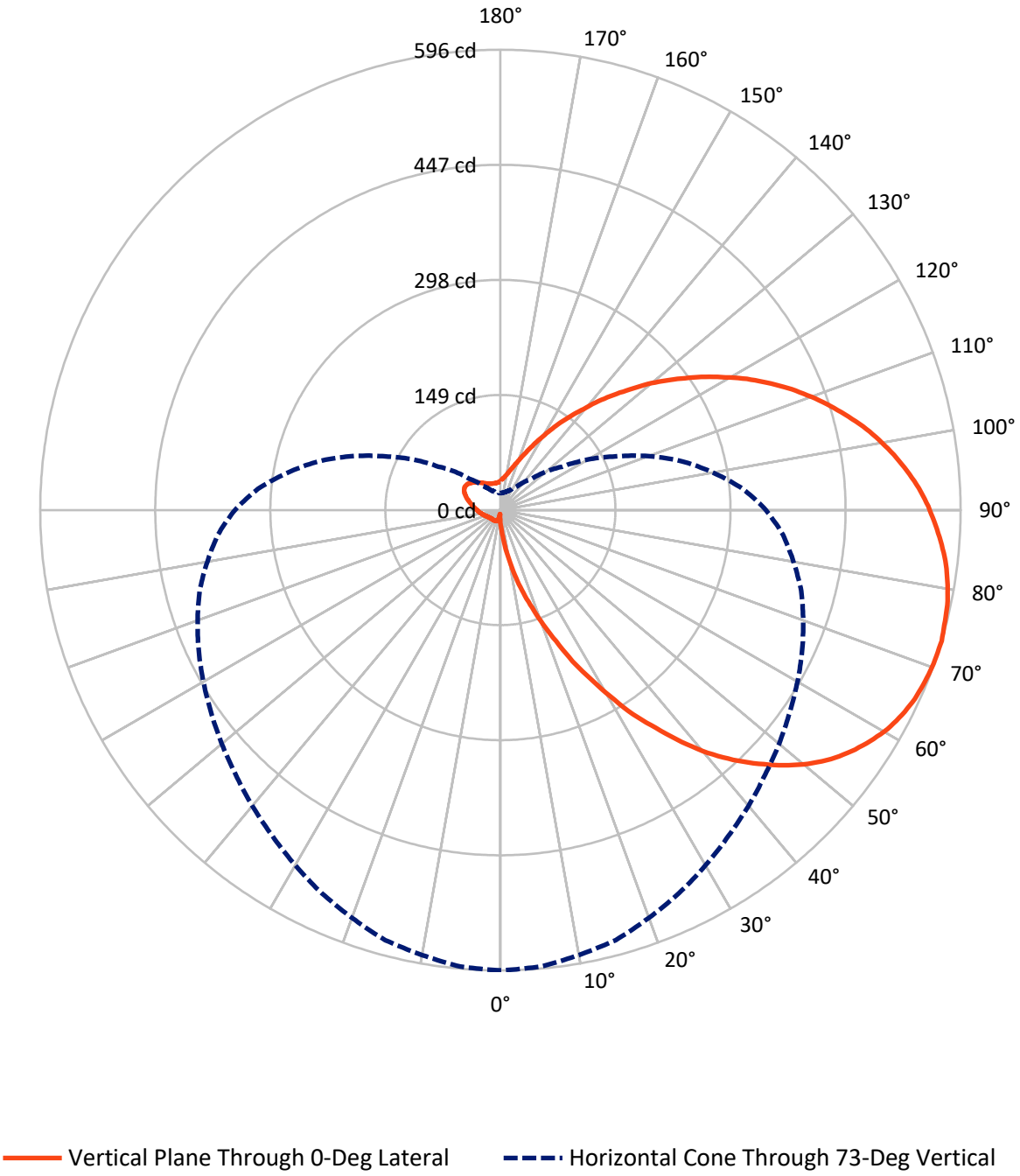
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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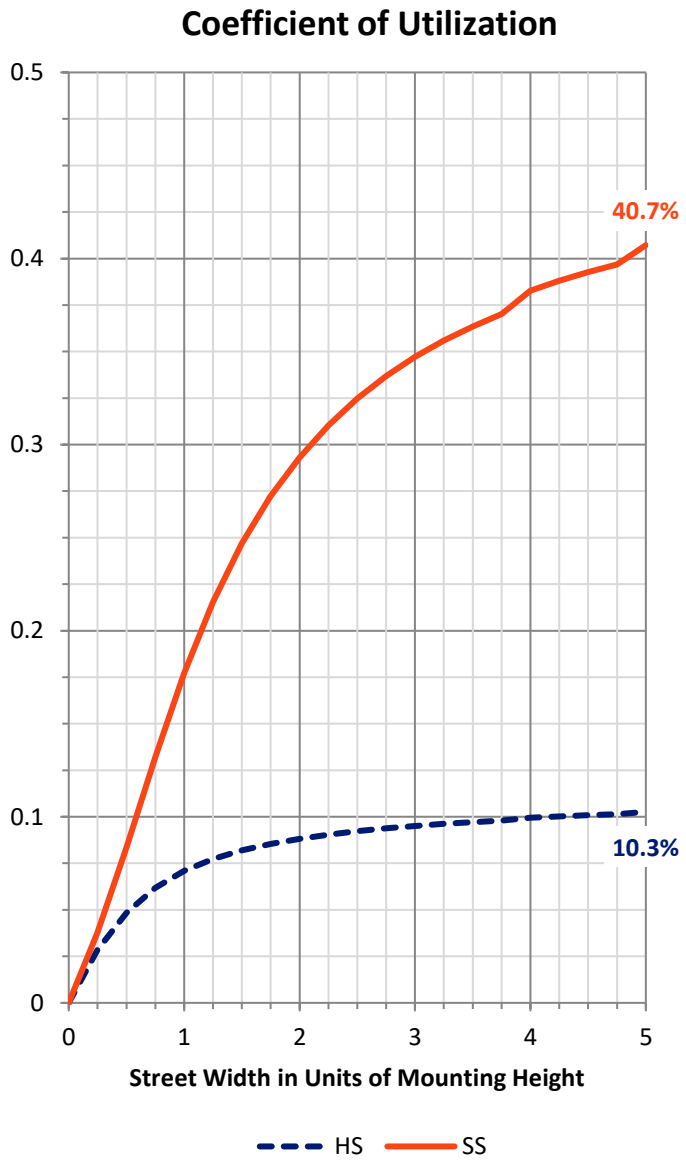
REPORT NUMBER: P1224030
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	300.2	294.9	595.1
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	1265.6	849.3	2114.8
	% Fixture	46.7	31.3	78.0
Total	Lumens	1565.7	1144.2	2710.0
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	19.2	0.7
20°-30°	58.0	2.1
30°-40°	120.8	4.5
40°-50°	191.5	7.1
50°-60°	251.6	9.3
60°-70°	293.1	10.8
70°-80°	314.2	11.6
80°-90°	314.5	11.6
90°-100°	294.9	10.9
100°-110°	259.4	9.6
110°-120°	214.2	7.9
120°-130°	161.2	5.9
130°-140°	106.4	3.9
140°-150°	61.0	2.3
150°-160°	30.3	1.1
160°-170°	13.2	0.5
170°-180°	3.7	0.1
0°-90°	1565.7	57.8
0°-180°	2710.0	100.0



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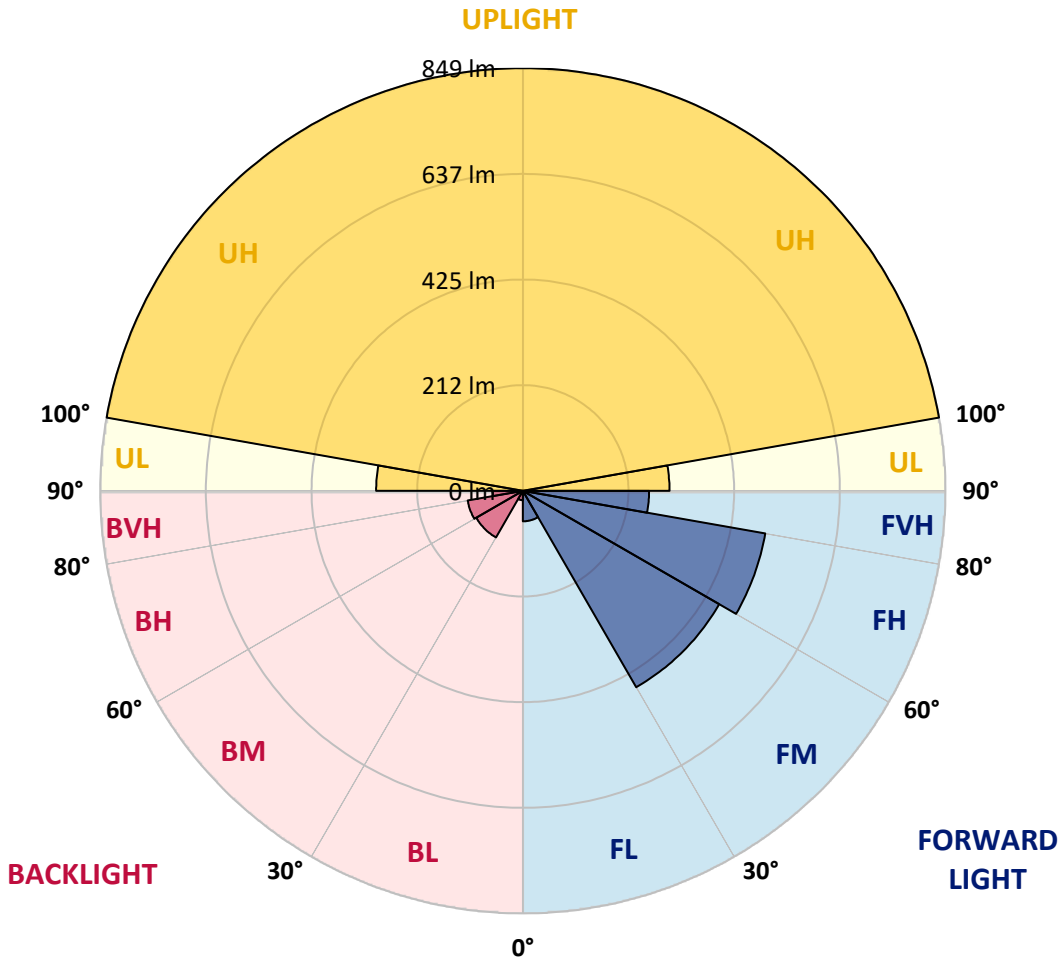
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	61.3	2.3			
FM	(30°-60°)	455.8	16.8			
FH	(60°-80°)	494.7	18.3			G0/660
FVH	(80°-90°)	253.7	9.4			G3/500
BL	(0°-30°)	18.7	0.7	B0/110		
BM	(30°-60°)	108.1	4.0	B0/220		
BH	(60°-80°)	112.6	4.2	B1/500		G1/500
BVH	(80°-90°)	60.7	2.2			G1/100
UL	(90°-100°)	294.9	10.9		U3/500	
UH	(100°-180°)	849.4	31.3		U4/1000	

BUG Rating: B1-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*18.3*	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2.5°	*24.4*	24.6	24.4	24.8	23.9	23.9	23.2	22.4	21.5	20.4	19.6
5°	*36.3*	36.1	36.1	36.3	35.7	34.1	32.2	29.6	27.4	25.0	23.7
7.5°	*52.2*	51.5	50.7	50.6	48.7	46.3	43.7	40.7	37.6	34.3	31.9
10°	*68.9*	69.5	68.7	66.7	64.5	61.7	58.3	54.3	50.2	45.6	42.8
12.5°	*90.4*	88.9	87.1	85.0	82.8	80.2	74.8	70.2	64.5	58.7	55.0
15°	*111.3*	110.0	110.0	107.4	103.9	100.0	95.0	89.3	81.3	72.2	68.9
17.5°	*132.8*	133.0	131.1	128.2	125.0	120.0	114.6	106.5	98.3	88.9	83.2
20°	*158.0*	157.2	156.0	153.7	148.2	143.7	137.1	128.0	116.9	105.4	98.3
22.5°	*184.1*	184.5	184.5	181.0	175.8	169.7	162.1	151.7	138.5	123.7	115.2
25°	*216.7*	216.5	213.0	208.9	204.8	198.6	188.9	176.3	161.9	144.1	134.1
27.5°	*246.3*	246.2	245.4	241.7	235.6	227.4	216.1	202.4	186.0	164.7	152.8
30°	*279.3*	280.0	278.0	274.9	266.9	258.6	245.4	229.3	209.8	186.9	173.5
32.5°	*315.1*	313.6	311.9	307.8	299.1	287.5	272.6	256.0	234.7	208.4	193.7
35°	*346.0*	348.8	346.2	339.9	329.1	316.7	300.4	281.7	258.6	230.4	213.7
37.5°	*380.8*	380.2	376.4	370.2	359.9	344.1	326.9	305.2	279.3	250.0	231.5
40°	*413.2*	411.0	408.8	399.7	386.5	370.8	349.5	327.5	300.8	267.8	249.1
42.5°	*441.9*	441.7	435.8	426.7	410.3	392.8	370.8	346.2	318.4	284.3	263.2
45°	*468.4*	467.9	462.1	448.6	433.0	412.1	389.1	363.6	334.3	298.4	278.2
47.5°	*493.4*	491.9	484.0	470.3	450.6	428.6	404.9	378.0	347.8	311.0	289.9
50°	*516.2*	514.9	505.6	488.2	467.3	443.8	417.8	390.1	360.6	323.6	300.8
52.5°	*535.6*	533.4	522.7	504.0	480.1	455.3	428.2	400.4	370.6	332.5	310.4
55°	*551.2*	548.8	537.3	516.4	491.4	464.5	437.1	409.5	378.4	340.4	317.8
57.5°	*564.2*	562.3	549.7	526.8	500.1	472.5	444.7	416.6	385.6	347.8	324.3
60°	*575.5*	573.2	559.0	535.3	507.1	478.6	450.3	422.1	391.7	353.6	330.2
62.5°	*583.4*	581.8	566.8	541.4	512.1	483.2	454.0	426.7	396.4	358.8	334.7
65°	*589.2*	587.1	571.9	545.1	515.3	485.5	456.7	428.8	399.3	361.9	338.0
67.5°	*592.5*	591.0	575.1	547.7	516.6	486.6	458.0	430.8	401.7	364.5	340.6
70°	*594.7*	592.5	576.4	548.2	516.2	486.4	458.0	431.0	403.0	366.4	342.1
72.5°	*595.3*	592.9	576.2	547.3	515.1	484.5	457.1	431.2	403.4	367.3	343.6
73°	*595.5*	*592.9*	*576.0*	*546.9*	*514.5*	*484.3*	*456.9*	*430.8*	*403.0*	*367.1*	*343.6*
75°	*593.4*	591.8	574.5	544.7	512.7	482.5	455.6	429.9	403.0	367.3	343.4
77.5°	*591.4*	588.8	570.8	541.6	508.4	479.2	452.9	428.0	401.7	366.9	343.2
80°	*586.6*	584.0	566.0	535.6	503.0	474.3	449.0	425.1	399.3	364.9	341.7
82.5°	*581.0*	578.1	559.4	528.8	496.6	468.2	444.0	421.2	396.2	362.5	339.5
85°	*572.9*	570.7	551.6	520.5	489.2	461.9	438.2	416.6	392.1	358.8	336.2
87.5°	*563.4*	561.6	541.8	511.0	479.7	453.8	431.6	410.4	387.5	354.7	332.5
90°	*553.6*	551.4	531.6	500.3	470.4	444.9	423.8	404.0	381.7	349.7	327.6
92.5°	*542.3*	539.7	519.7	489.3	460.3	435.8	416.2	396.7	375.2	343.9	322.6
95°	*528.6*	526.2	506.4	476.0	447.5	425.3	406.2	388.2	367.7	337.1	316.5
97.5°	*514.0*	511.8	491.7	462.7	435.1	413.2	395.4	379.1	359.5	330.4	309.7
100°	*498.2*	495.3	475.4	447.5	420.3	400.4	384.5	369.9	350.6	322.1	302.3
102.5°	*481.6*	478.8	459.9	432.5	406.9	387.7	373.2	358.9	341.4	314.5	295.0
105°	*462.7*	461.2	442.1	415.6	391.7	374.0	360.4	348.0	331.4	305.2	287.5
107.5°	*444.0*	441.0	423.2	397.8	375.4	359.3	347.7	336.2	321.0	296.0	279.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*424.1*	421.2	405.3	381.0	360.2	344.9	334.1	323.9	310.2	286.9	271.0
112.5°	*404.1*	400.8	385.1	362.8	342.6	330.1	320.2	311.7	299.3	277.8	262.1
115°	*382.5*	381.2	365.8	344.5	326.7	314.9	306.3	298.6	286.9	268.0	253.6
117.5°	*361.2*	358.8	345.4	325.8	309.3	298.2	291.7	284.9	274.3	256.5	243.9
120°	*338.2*	337.6	324.9	306.5	291.2	282.5	276.2	270.4	261.2	245.0	233.2
122.5°	*316.5*	315.4	303.2	286.7	273.9	265.8	260.8	255.8	247.8	232.8	221.7
125°	*293.6*	292.3	282.6	269.1	256.9	249.1	244.3	240.4	233.2	219.7	209.3
127.5°	*272.3*	271.0	262.3	249.3	239.7	232.6	228.2	224.7	217.4	205.8	196.7
130°	*251.2*	248.9	241.3	231.0	221.3	216.5	212.1	209.5	202.1	191.1	183.2
132.5°	*228.6*	227.4	222.1	212.4	204.7	199.7	195.8	192.4	186.7	176.7	169.5
135°	*208.6*	207.4	202.4	194.3	188.9	184.3	180.8	177.3	171.3	161.7	155.6
137.5°	*189.5*	188.5	184.1	178.5	171.7	168.9	166.5	162.2	157.1	148.4	142.8
140°	*169.5*	169.8	166.3	161.3	157.1	153.7	151.3	147.8	142.6	135.2	129.7
142.5°	*153.0*	153.5	149.3	145.8	141.9	139.3	136.9	133.9	128.9	122.2	118.0
145°	*137.4*	136.1	134.5	131.1	127.4	125.8	123.4	120.8	116.9	110.2	106.7
147.5°	*121.7*	121.3	119.6	117.4	114.5	111.9	110.0	108.5	104.6	99.1	95.9
150°	*107.4*	107.1	106.1	104.5	101.9	100.2	98.7	96.7	93.0	88.7	85.9
152.5°	*94.8*	94.8	94.3	92.1	90.9	89.1	87.2	86.1	82.4	78.9	76.5
155°	*83.9*	83.9	83.2	82.1	80.0	78.9	77.8	76.1	73.5	70.8	68.5
157.5°	*74.5*	74.6	73.7	72.8	71.3	70.4	69.3	67.6	65.9	63.3	61.7
160°	*66.1*	66.3	65.9	65.2	63.7	62.8	61.9	60.6	59.1	57.0	55.6
162.5°	*59.5*	59.3	58.9	58.2	57.2	56.7	55.6	54.6	53.3	51.9	50.6
165°	*54.3*	53.7	53.5	53.0	52.0	51.5	50.6	49.8	48.9	47.4	46.9
167.5°	*49.6*	49.6	49.3	48.9	48.2	47.4	46.7	46.1	45.4	44.5	43.7
170°	*45.9*	45.9	45.6	45.2	44.5	44.1	43.5	43.0	42.4	41.7	41.3
172.5°	*43.0*	43.0	42.8	42.2	41.9	41.3	41.1	40.6	40.0	39.6	39.3
175°	*40.7*	40.7	40.4	40.0	39.6	39.3	38.9	38.7	38.5	38.2	38.0
177.5°	*39.1*	38.9	38.7	38.3	38.0	37.8	37.6	37.4	37.4	37.2	37.0
180°	*36.9*	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2.5°	18.9	17.2	15.4	13.7	12.8	11.5	10.7	10.4	10.7	10.2
5°	22.4	19.4	16.5	14.3	11.9	10.0	8.3	6.7	5.6	5.4
7.5°	29.8	26.5	22.4	18.7	15.4	12.4	9.8	7.8	6.3	6.1
10°	39.5	34.5	29.3	24.1	19.3	15.4	12.2	10.0	9.3	9.1
12.5°	51.5	44.3	37.0	30.2	24.3	19.1	15.6	13.2	12.0	11.9
15°	64.1	55.0	45.7	36.9	28.9	22.6	18.2	15.6	14.3	14.1
17.5°	77.6	65.8	53.2	42.8	33.3	25.7	20.2	16.7	15.2	14.8
20°	91.3	76.5	62.0	48.5	37.0	27.8	21.3	17.2	15.4	15.0
22.5°	106.7	88.9	70.9	54.1	40.4	29.8	22.2	17.6	15.6	15.2
25°	124.1	101.5	80.2	60.6	44.1	31.7	23.2	18.2	15.7	15.4
27.5°	141.9	115.6	89.6	66.3	47.2	33.0	23.9	18.3	15.9	15.6
30°	159.8	129.7	99.3	71.9	50.0	34.5	24.3	18.5	15.9	15.7
32.5°	178.5	142.8	108.5	77.0	52.4	35.4	24.6	18.7	16.1	15.7
35°	195.4	156.7	117.2	82.1	54.6	36.1	24.8	18.7	16.1	15.7
37.5°	211.5	168.5	125.2	86.1	56.3	36.7	25.0	18.7	16.1	15.7
40°	228.4	181.1	132.4	89.8	57.6	37.0	25.0	18.7	16.1	15.9
42.5°	242.1	191.7	138.5	92.4	58.5	37.0	25.0	18.7	16.3	15.9
45°	254.5	200.4	144.5	94.8	59.1	37.0	24.8	18.9	16.3	16.1
47.5°	265.2	209.1	148.9	96.5	59.3	37.0	24.8	18.9	16.5	16.3
50°	275.2	216.1	152.8	97.8	59.5	36.9	24.8	19.1	16.7	16.3
52.5°	283.8	221.9	156.0	98.5	59.1	36.5	24.8	19.3	17.0	16.7
55°	291.0	227.3	158.2	98.9	58.7	36.3	24.8	19.4	17.2	17.0
57.5°	296.9	231.5	160.2	99.1	58.3	36.1	25.0	19.8	17.8	17.6
60°	302.3	235.0	161.7	99.1	58.0	35.9	25.2	20.2	18.2	18.0
62.5°	306.5	237.8	162.8	98.9	57.8	35.9	25.6	20.7	18.7	18.5
65°	309.5	239.9	163.4	98.5	57.4	36.1	25.9	21.3	19.4	19.3
67.5°	312.3	241.7	163.7	98.3	57.2	36.3	26.5	22.0	20.2	20.0
70°	313.9	242.8	163.9	98.2	57.0	36.7	27.0	22.8	21.1	20.9
72.5°	314.7	243.6	164.1	97.8	57.2	37.0	27.8	23.5	22.0	21.9
73°	*314.9*	*243.6*	*163.9*	*97.8*	*57.2*	*37.2*	*28.0*	*23.9*	*22.2*	*22.0*
75°	315.2	243.6	163.7	97.6	57.4	37.6	28.5	24.6	23.0	23.0
77.5°	314.7	243.2	163.4	97.4	57.6	38.3	29.4	25.6	24.1	23.9
80°	313.6	242.3	162.8	97.4	58.0	39.1	30.6	26.7	25.2	25.0
82.5°	311.2	240.6	162.1	97.2	58.5	40.0	31.7	27.8	26.5	26.3
85°	308.8	238.6	161.0	97.2	59.3	41.1	32.8	29.1	27.8	27.6
87.5°	305.1	236.2	159.8	97.1	60.0	42.0	33.9	30.4	28.9	28.9
90°	300.8	233.6	158.7	97.2	60.8	43.3	35.4	31.9	30.4	30.2
92.5°	296.5	230.6	157.4	97.6	62.0	44.6	36.9	33.3	31.9	31.5
95°	290.8	226.5	156.0	97.8	63.2	46.1	38.3	34.8	33.3	33.3
97.5°	284.9	222.8	154.3	98.3	64.6	48.0	40.4	36.7	35.2	35.2
100°	278.6	218.9	153.2	98.9	66.1	50.0	42.2	38.5	37.0	37.0
102.5°	271.9	214.7	152.1	100.0	68.3	52.0	44.5	40.7	39.1	39.1
105°	265.0	210.6	151.0	101.3	70.6	54.6	46.9	43.2	41.5	41.5
107.5°	258.4	206.7	150.0	103.0	73.0	57.2	49.3	45.6	43.9	43.5

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

Scaled Data Report

REPORT NUMBER: P1224030
CATALOG NUMBER: FFX-CLB-20-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	251.3	202.6	149.3	104.6	75.8	60.2	52.2	48.0	46.1	46.1
112.5°	243.7	198.4	148.7	106.3	78.7	63.2	54.8	50.6	48.7	48.3
115°	235.8	194.1	147.6	108.2	81.3	66.1	57.6	52.8	50.7	50.6
117.5°	228.0	189.1	146.3	109.5	83.7	68.5	59.8	55.0	52.8	52.6
120°	218.9	183.5	144.1	109.8	85.6	70.4	61.7	56.5	54.3	53.9
122.5°	208.9	176.3	140.9	109.5	86.5	71.7	62.8	57.6	55.0	54.8
125°	197.6	168.4	136.9	108.2	86.7	72.2	63.2	57.8	55.4	55.0
127.5°	185.8	160.4	131.5	105.6	85.6	71.9	62.8	57.4	54.8	54.6
130°	173.5	151.0	125.2	102.2	83.7	70.6	61.9	56.5	53.9	53.7
132.5°	161.3	140.9	118.4	97.8	81.1	68.5	60.2	55.0	52.6	52.2
135°	148.2	131.1	111.3	93.2	77.6	66.3	58.2	53.2	50.7	50.6
137.5°	136.1	120.9	104.1	88.0	74.3	63.3	55.9	51.3	49.3	48.9
140°	124.3	111.1	96.3	82.4	70.0	60.4	53.3	49.3	47.2	47.0
142.5°	113.4	102.1	89.5	77.0	66.1	57.4	51.1	47.2	45.6	45.2
145°	102.1	92.6	82.2	71.5	61.9	54.3	48.7	45.2	43.7	43.3
147.5°	92.2	83.9	75.0	65.9	58.0	51.1	46.3	43.3	42.0	41.9
150°	83.0	75.9	68.2	60.8	53.7	48.2	44.1	41.5	40.4	40.2
152.5°	74.6	68.5	62.2	55.9	50.0	45.6	42.0	39.8	38.9	38.9
155°	66.9	61.9	56.9	51.7	47.0	43.3	40.6	38.7	38.0	37.8
157.5°	60.2	56.3	52.2	48.0	44.5	41.3	39.1	37.8	37.0	37.0
160°	54.5	51.5	48.2	45.0	42.2	39.6	38.0	36.9	36.3	36.3
162.5°	49.8	47.4	44.8	42.4	40.0	38.3	37.0	36.3	35.9	35.9
165°	45.9	44.3	42.4	40.4	38.7	37.4	36.5	35.9	35.7	35.7
167.5°	43.2	41.7	40.2	38.9	37.8	36.7	36.1	35.7	35.7	35.6
170°	40.7	39.8	38.5	37.6	36.7	36.1	35.7	35.6	35.6	35.4
172.5°	38.9	38.2	37.4	36.7	36.1	35.7	35.6	35.6	35.6	35.6
175°	37.8	37.2	36.7	36.3	35.9	35.6	35.6	35.7	35.7	35.7
177.5°	36.9	36.7	36.3	36.1	35.9	35.9	35.9	36.1	36.3	36.3
180°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9

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

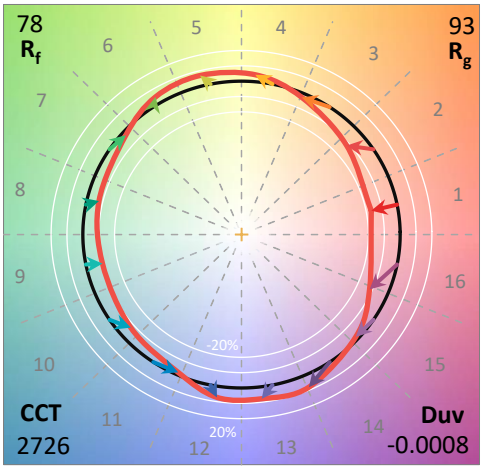
Test Information

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

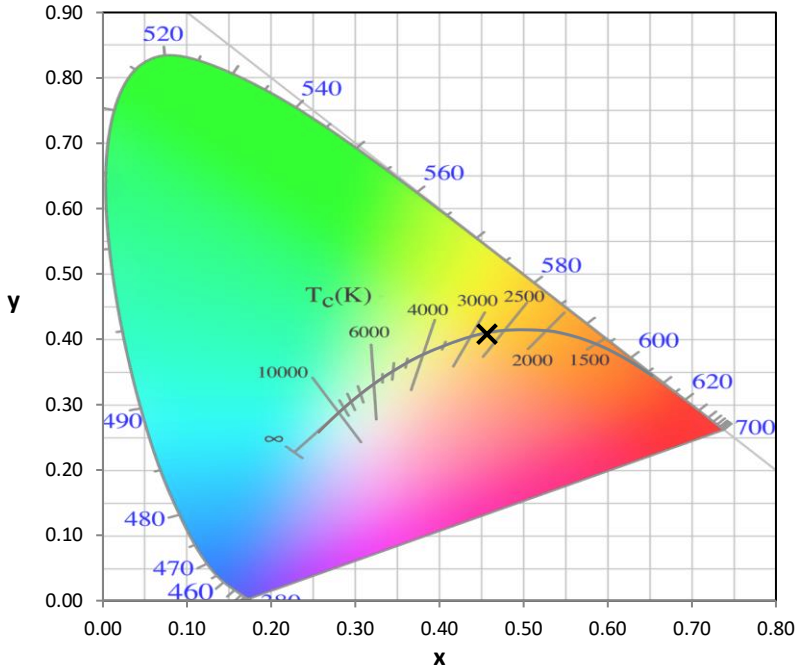
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

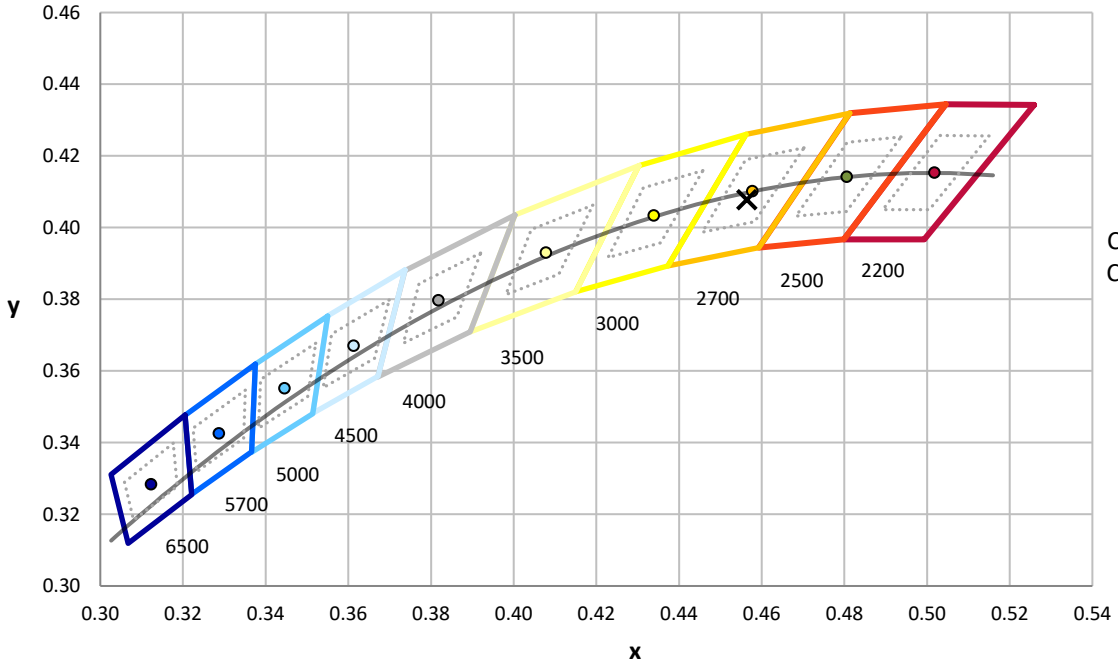
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

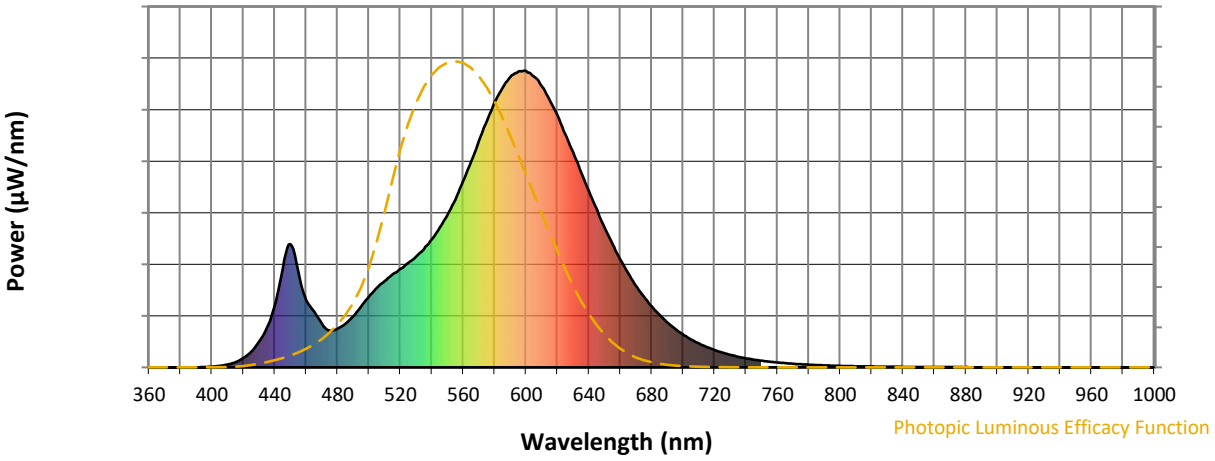


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

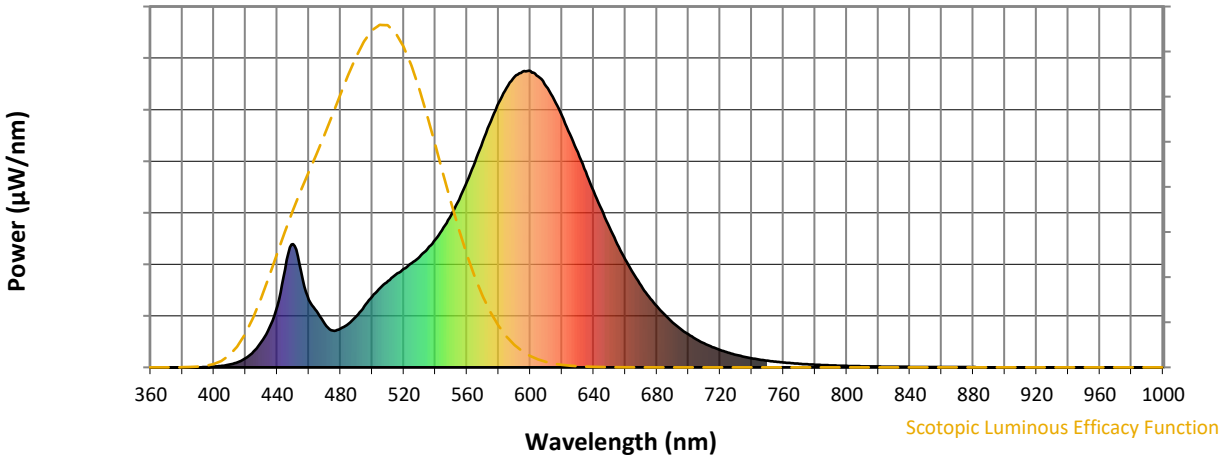


Photopic Lumens: NR

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

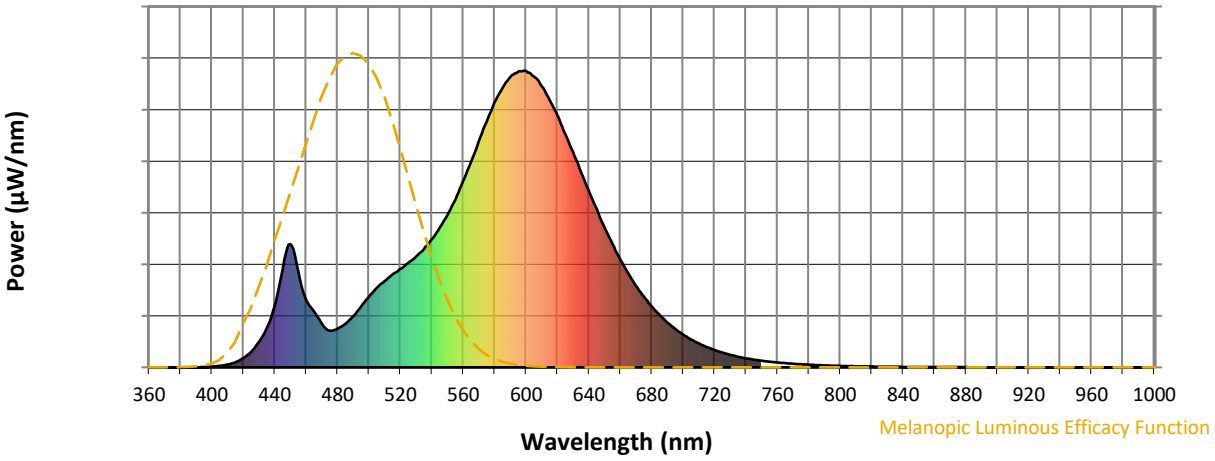


Scotopic Lumens: NR **S/P: 1.16**

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			

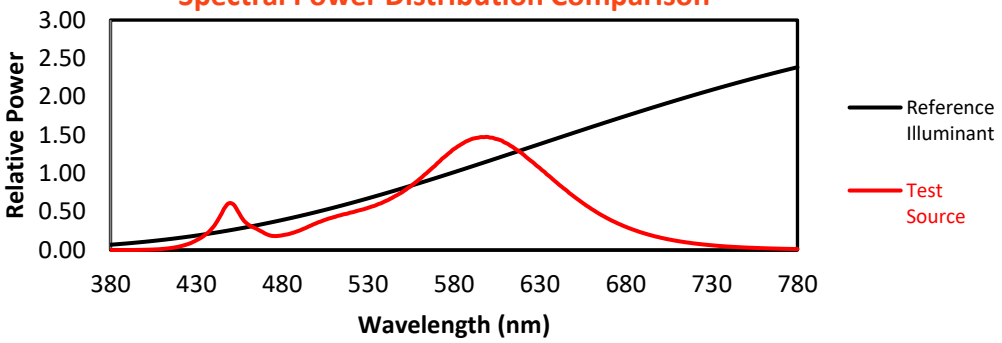
REPORT NUMBER: SP1-2501-332-3

TM-30-18

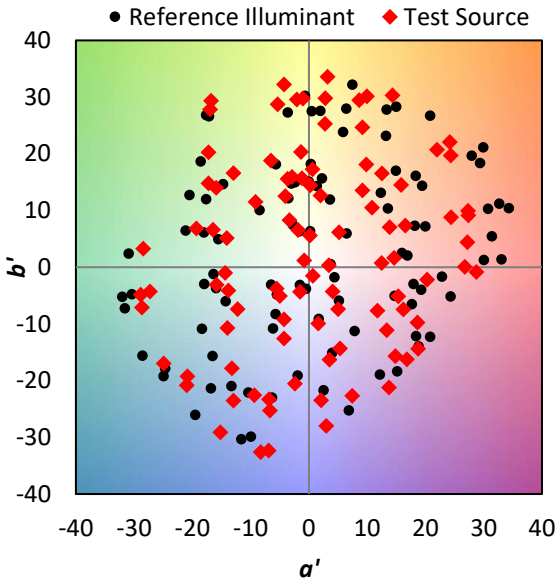
Summary

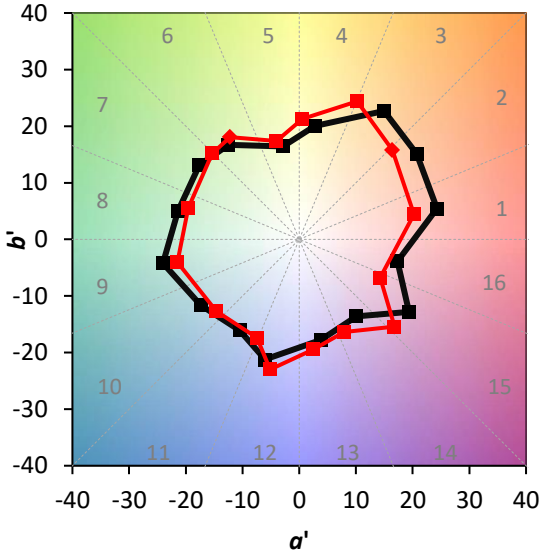
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

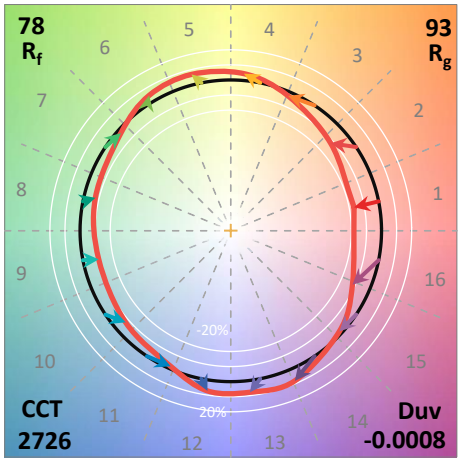
Spectral Power Distribution Comparison

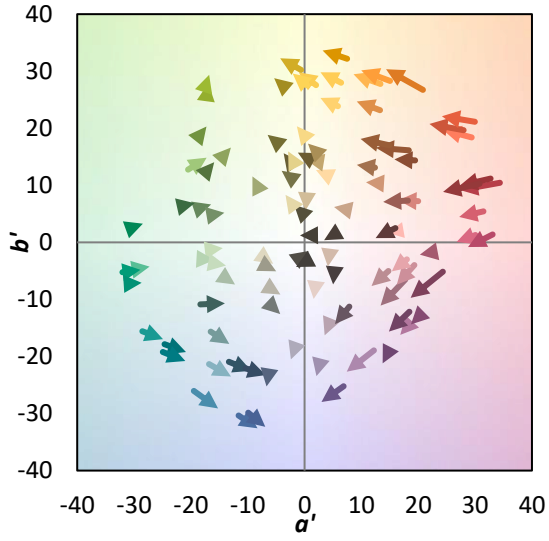


Color Vector Graphics







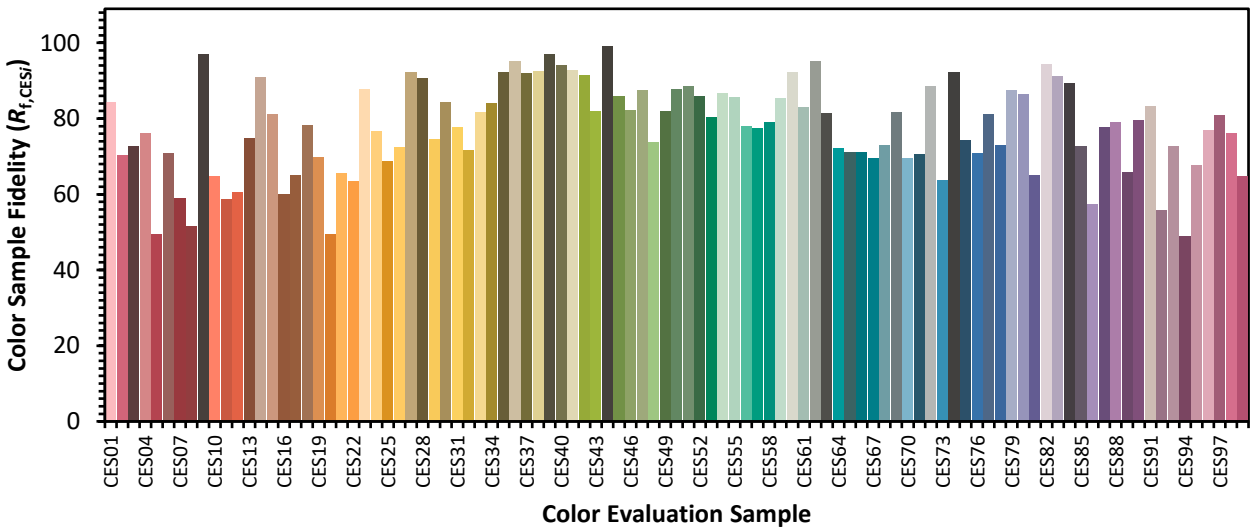


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

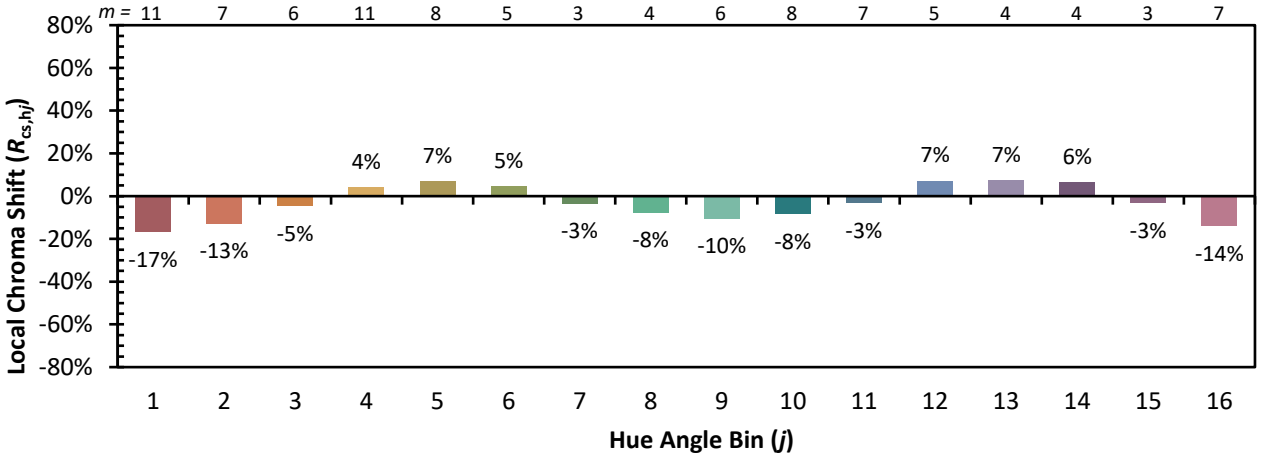
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

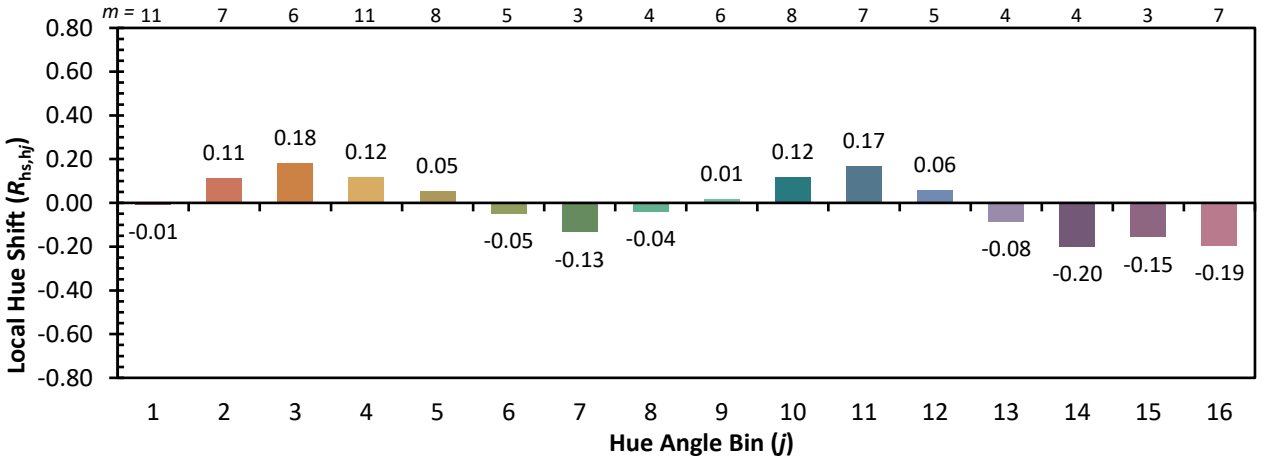


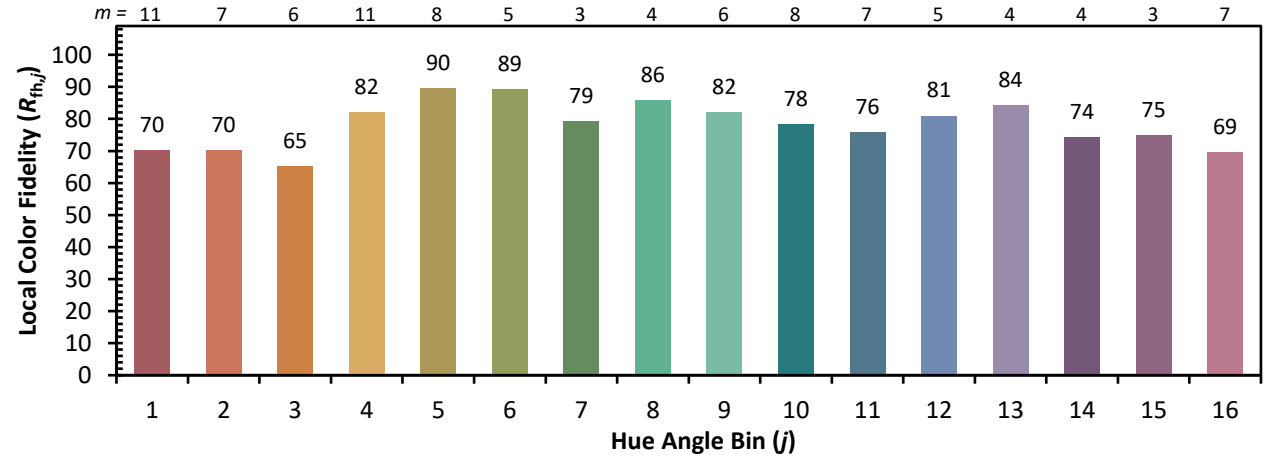
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



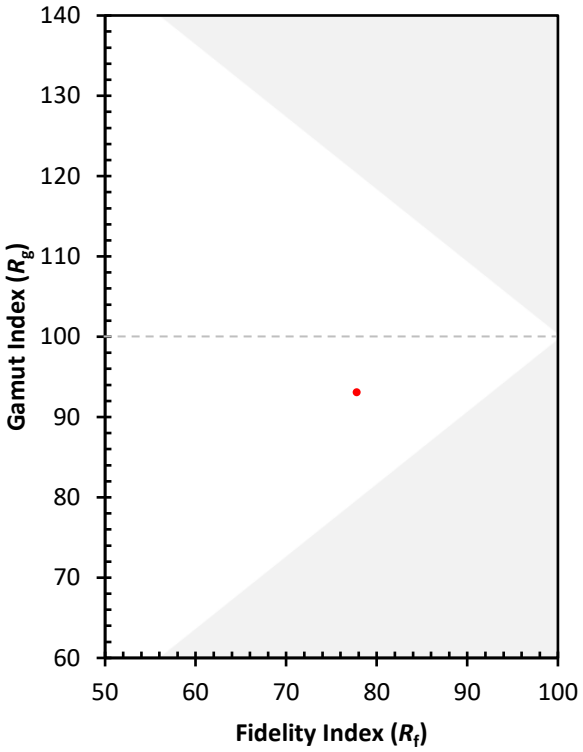


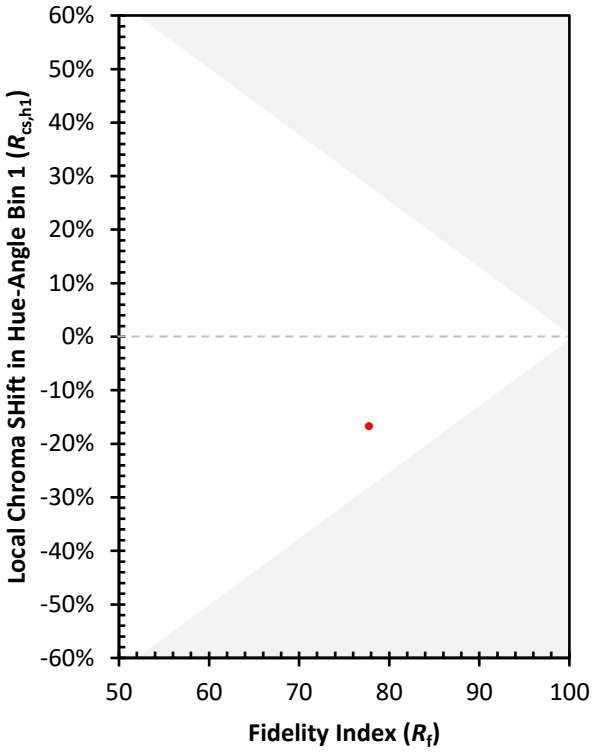


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Measure Comparisons





(END OF REPORT)