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: P1223939

Luminaire Tested: **FFX-CLB-30-727-U-VM9-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:	P1223939
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 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:	4082.9 lumens
Efficiency:	N/A
Efficacy:	133.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

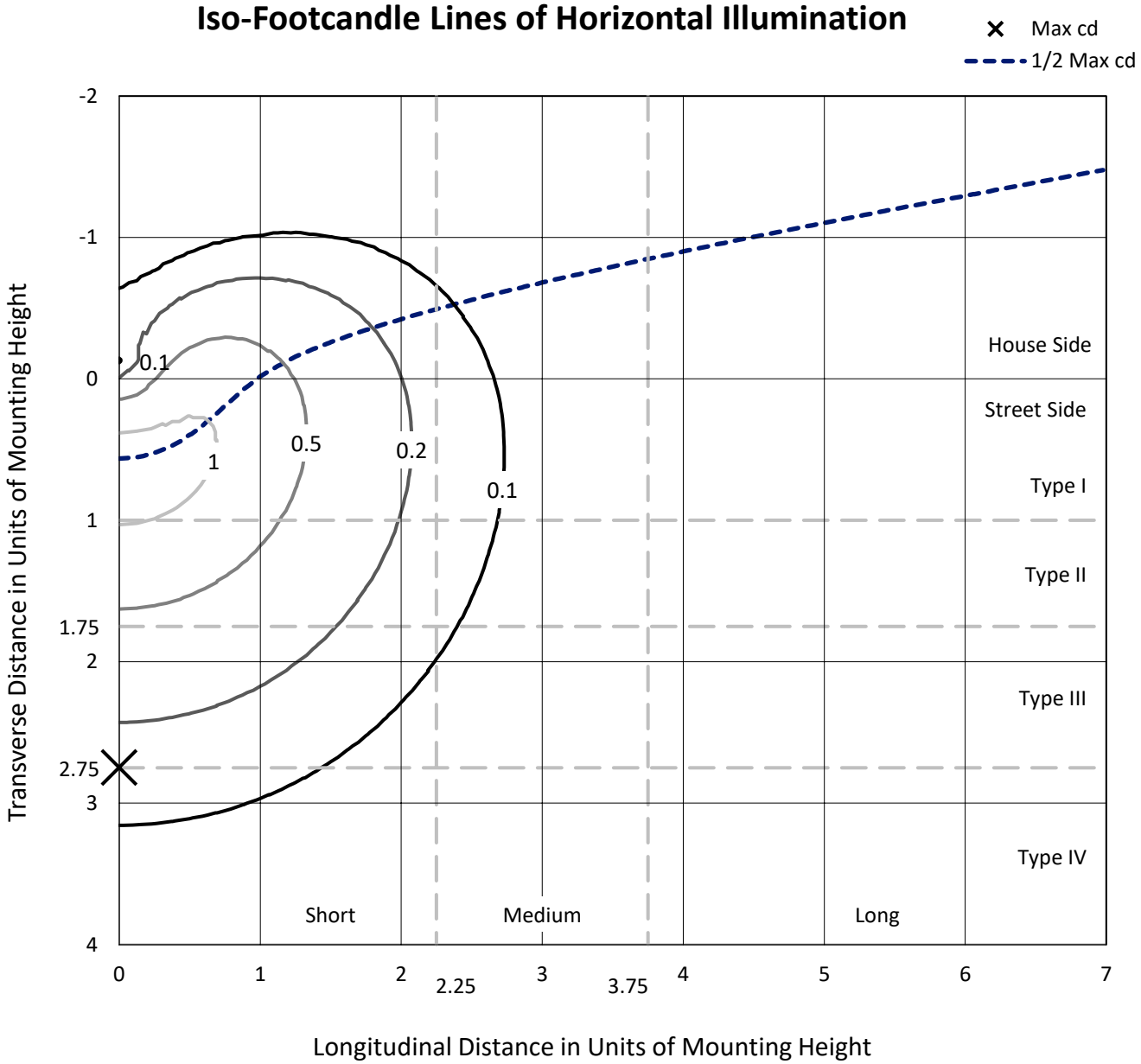


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Iso-Footcandle Lines of Horizontal Illumination



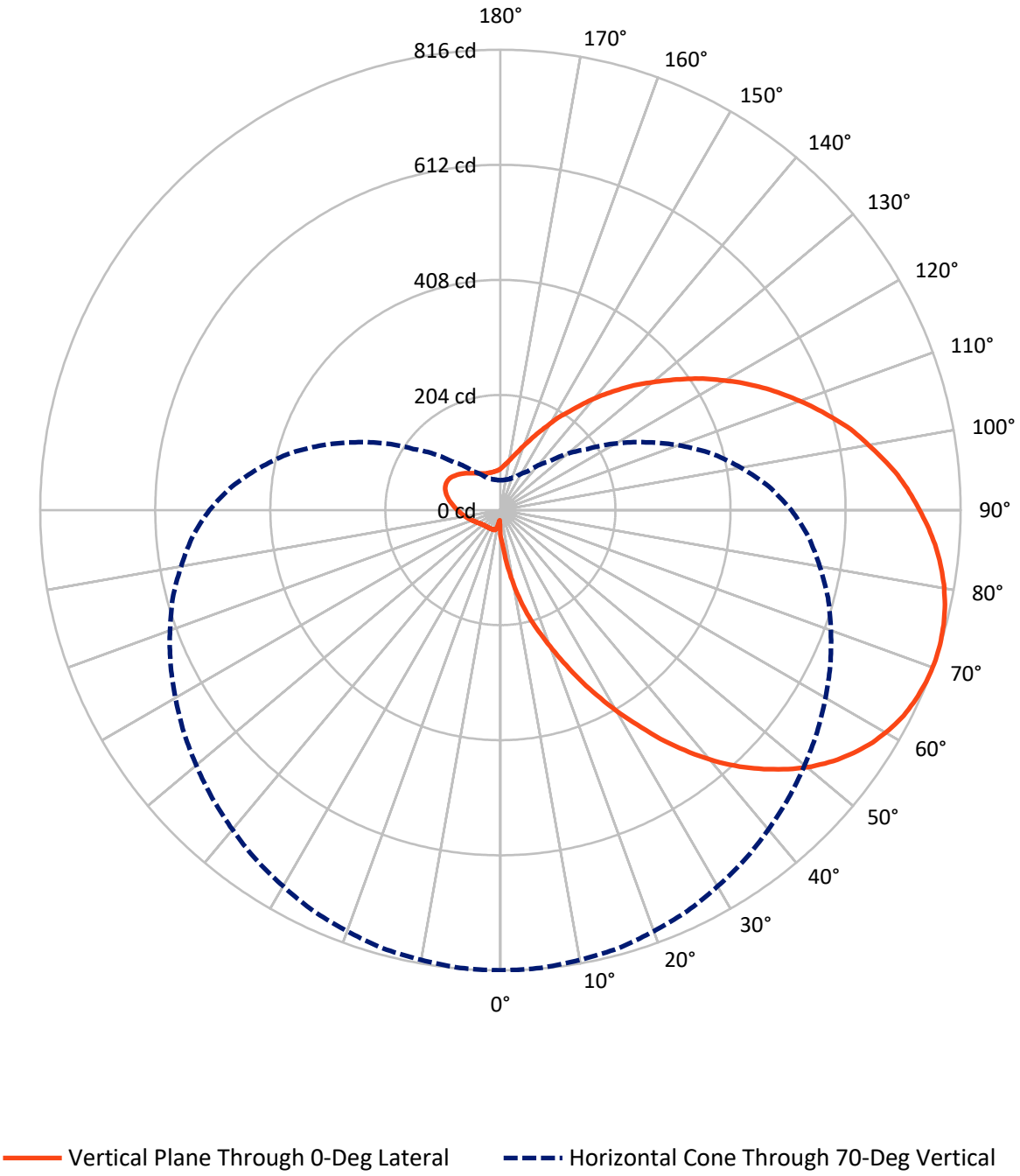
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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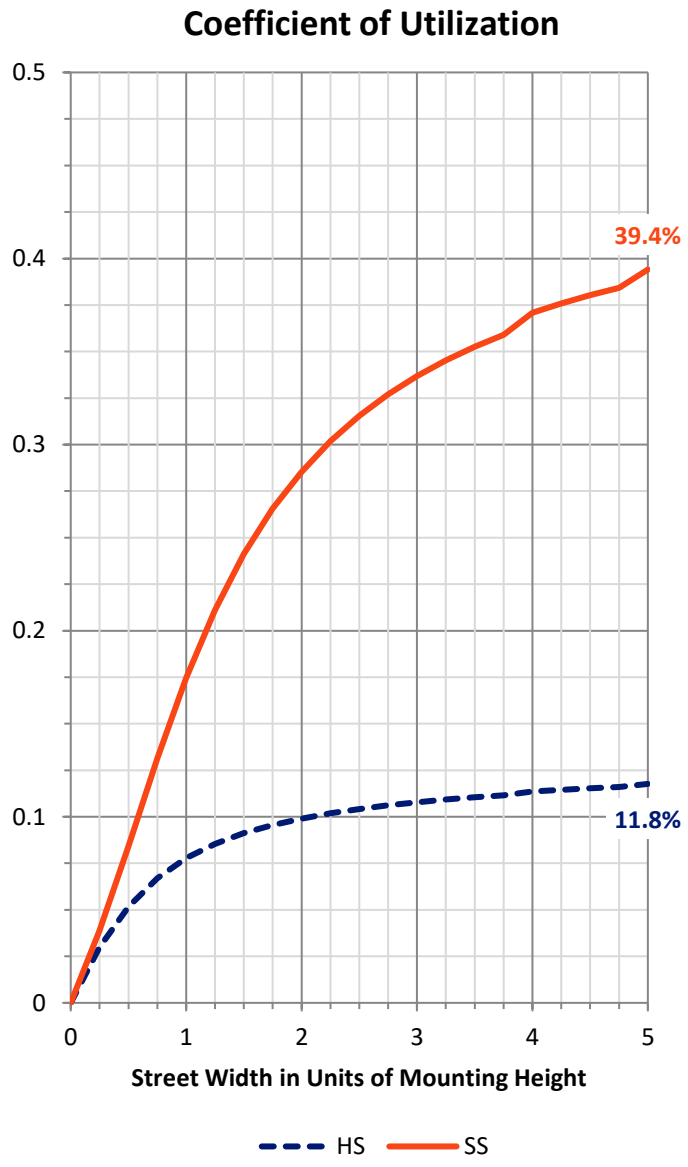
REPORT NUMBER: P1223939
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.5	505.1	1028.7
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	1839.0	1215.3	3054.3
	% Fixture	45.0	29.8	74.8
Total	Lumens	2362.5	1720.4	4082.9
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.2
10°-20°	35.7	0.9
20°-30°	93.9	2.3
30°-40°	182.4	4.5
40°-50°	284.2	7.0
50°-60°	375.0	9.2
60°-70°	440.3	10.8
70°-80°	473.7	11.6
80°-90°	471.0	11.5
90°-100°	437.9	10.7
100°-110°	384.5	9.4
110°-120°	316.3	7.7
120°-130°	238.1	5.8
130°-140°	161.3	4.0
140°-150°	97.7	2.4
150°-160°	52.6	1.3
160°-170°	24.8	0.6
170°-180°	7.2	0.2
0°-90°	2362.5	57.9
0°-180°	4082.9	100.0



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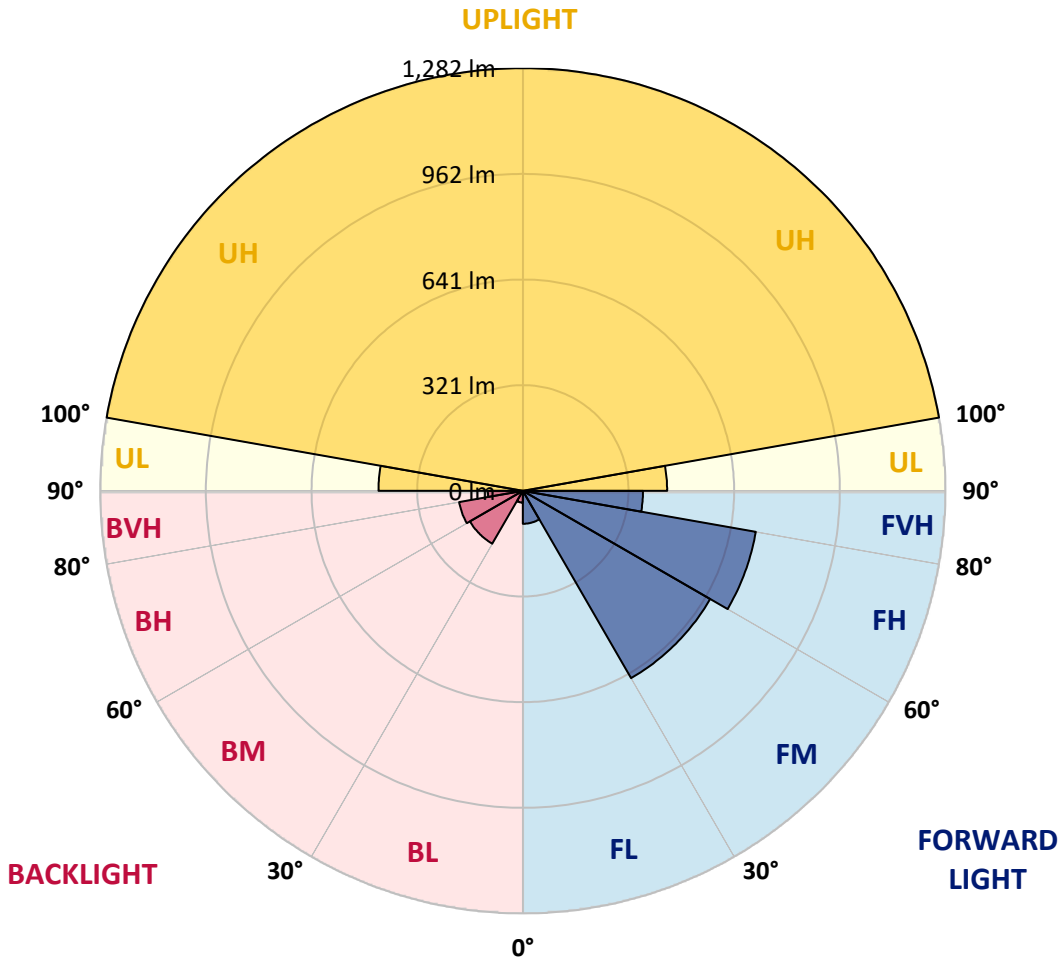
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	100.0	2.4			
FM	(30°-60°)	656.4	16.1			
FH	(60°-80°)	717.9	17.6			G1/1800
FVH	(80°-90°)	364.7	8.9			G3/500
BL	(0°-30°)	35.7	0.9	B0/110		
BM	(30°-60°)	185.3	4.5	B0/220		
BH	(60°-80°)	196.2	4.8	B1/500		G1/500
BVH	(80°-90°)	106.3	2.6			G2/225
UL	(90°-100°)	437.9	10.7		U3/500	
UH	(100°-180°)	1282.5	31.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*46.7*	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	*56.9*	57.2	56.9	56.9	57.5	56.9	56.3	54.2	51.8	48.8	47.3
5°	*79.6*	79.6	81.1	81.1	79.6	76.3	72.5	67.1	62.3	57.2	53.6
7.5°	*108.7*	109.3	108.1	105.1	103.3	96.7	92.8	85.9	79.9	73.1	69.8
10°	*138.9*	139.2	137.7	135.0	129.3	122.7	117.1	109.0	101.2	92.2	87.4
12.5°	*171.2*	170.7	168.0	162.0	158.7	151.2	143.7	135.3	124.8	113.8	108.1
15°	*202.1*	200.9	199.7	193.4	188.9	181.4	172.7	161.4	149.1	136.8	128.4
17.5°	*231.7*	229.0	227.2	224.2	217.4	210.8	199.7	186.2	173.0	156.9	148.2
20°	*263.5*	264.1	261.1	256.9	249.4	239.8	229.0	214.7	198.2	179.0	168.6
22.5°	*299.1*	299.1	297.3	291.9	284.1	271.8	259.3	244.3	223.9	203.9	191.0
25°	*338.6*	336.5	334.1	327.2	320.6	307.5	292.5	276.3	255.1	230.8	216.5
27.5°	*377.8*	376.9	374.5	367.0	358.7	344.9	329.9	309.0	285.9	257.5	242.5
30°	*419.4*	418.5	416.1	409.0	396.7	383.2	365.3	342.8	317.6	285.6	269.1
32.5°	*459.6*	459.6	456.6	449.1	436.2	420.0	400.9	375.7	347.9	315.0	295.2
35°	*504.2*	503.9	498.5	489.5	473.9	459.9	438.3	412.0	380.5	342.8	321.8
37.5°	*545.2*	543.7	538.3	528.7	514.3	496.1	471.8	442.8	410.5	370.3	346.7
40°	*585.6*	583.8	579.0	568.2	550.9	530.2	505.4	474.2	437.7	396.1	371.5
42.5°	*622.1*	621.5	614.6	601.8	584.4	561.0	534.4	501.5	464.9	420.0	394.0
45°	*655.4*	655.4	648.5	634.4	614.6	591.0	561.6	527.8	488.9	441.9	414.4
47.5°	*686.8*	686.8	680.2	664.0	642.2	616.1	586.2	551.2	509.9	461.7	432.3
50°	*715.2*	714.0	706.6	688.6	666.4	639.2	607.8	570.9	529.3	479.3	449.7
52.5°	*739.8*	738.3	729.6	712.8	688.0	658.9	626.0	588.6	545.2	494.6	464.3
55°	*760.4*	759.5	751.2	732.0	706.0	676.9	641.9	603.0	560.2	507.5	476.9
57.5°	*778.4*	776.9	767.0	747.6	721.5	689.8	654.5	615.8	571.5	519.1	487.4
60°	*791.9*	790.4	780.2	760.7	734.4	700.9	665.5	626.3	581.4	528.4	496.1
62.5°	*803.0*	801.2	791.3	770.6	743.1	710.1	673.9	634.1	589.2	535.9	503.6
65°	*809.8*	808.3	798.8	778.1	749.7	716.4	680.2	640.1	595.5	541.6	509.3
67.5°	*814.3*	813.1	803.3	783.2	754.8	720.9	684.1	644.0	599.7	545.8	513.4
70°	*816.4*	*815.2*	*805.0*	*784.7*	*756.5*	*722.7*	*685.9*	*645.8*	*601.8*	*548.8*	*516.1*
71°	*816.4*	815.2	805.3	785.0	756.8	723.0	686.2	646.1	602.1	549.1	516.4
72.5°	*815.5*	814.6	804.7	784.1	755.9	722.4	685.3	645.8	602.1	549.4	517.0
75°	*812.2*	810.4	800.9	780.8	753.0	719.4	682.6	643.1	600.3	548.5	516.4
77.5°	*806.2*	804.7	794.9	775.4	747.6	713.7	677.2	638.6	596.7	545.5	514.0
80°	*797.6*	796.1	786.5	766.4	738.9	706.3	669.7	631.7	590.4	540.7	509.9
82.5°	*786.5*	785.3	776.0	755.9	728.7	696.4	659.8	622.7	583.5	534.1	503.9
85°	*773.3*	771.8	761.6	741.9	715.8	683.5	647.9	611.9	573.6	526.0	496.7
87.5°	*757.4*	756.5	746.4	727.5	701.5	669.4	635.3	600.3	562.5	517.0	488.6
90°	*740.1*	739.8	729.0	710.1	684.4	654.2	620.3	586.2	549.7	506.3	478.7
92.5°	*722.7*	722.7	711.9	692.5	667.0	637.1	605.1	572.1	537.4	495.5	469.1
95°	*703.6*	701.5	691.3	673.9	648.5	619.7	588.9	556.6	523.0	483.2	458.4
97.5°	*681.1*	680.5	670.6	652.1	628.7	601.2	571.2	541.3	509.0	470.6	447.0
100°	*659.2*	658.1	648.8	631.7	607.8	581.4	553.3	524.5	494.0	457.8	435.0
102.5°	*637.7*	634.7	625.1	607.8	586.8	561.0	534.7	508.4	478.4	444.0	422.7
105°	*611.6*	611.3	601.5	585.0	563.7	541.0	516.1	490.4	463.2	429.9	410.2
107.5°	*586.2*	586.2	576.9	560.7	540.7	518.8	496.7	472.4	447.3	415.2	397.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*560.2*	559.9	551.5	537.1	517.9	497.0	476.6	454.5	429.3	401.2	383.5
112.5°	*534.4*	533.8	525.7	511.1	493.4	476.3	456.0	435.6	412.6	386.5	369.7
115°	*508.4*	507.8	499.1	486.2	470.0	452.4	435.3	415.8	395.8	369.7	355.1
117.5°	*481.4*	480.8	473.6	461.1	445.8	431.7	414.6	397.9	377.5	353.9	339.2
120°	*453.9*	454.2	447.0	435.6	421.5	408.4	393.4	378.1	359.3	336.8	322.7
122.5°	*427.8*	425.7	420.9	410.8	398.2	385.9	373.3	357.8	340.1	318.8	306.6
125°	*400.0*	399.4	394.6	384.4	373.6	364.1	352.4	338.3	322.1	300.6	289.5
127.5°	*373.0*	373.9	368.5	361.1	350.6	342.5	330.5	318.2	302.7	283.2	272.7
130°	*347.9*	347.3	344.3	336.5	327.8	319.4	310.5	299.4	284.7	265.3	255.7
132.5°	*324.5*	321.8	319.1	312.6	305.4	298.5	290.7	279.6	264.7	247.6	239.2
135°	*299.1*	299.1	294.9	289.2	284.1	277.5	269.7	259.6	246.7	231.7	222.1
137.5°	*275.7*	274.5	271.8	267.4	262.6	257.8	251.2	241.0	229.6	215.3	206.9
140°	*253.6*	252.7	250.3	246.4	242.5	238.0	232.0	223.3	212.9	199.1	191.9
142.5°	*230.5*	231.1	229.0	226.3	221.8	218.9	213.5	205.7	196.4	184.4	177.5
145°	*209.9*	210.2	209.3	206.6	203.3	200.3	194.6	188.9	179.9	169.2	164.1
147.5°	*192.8*	191.6	189.8	188.3	185.3	182.9	178.4	173.0	164.7	155.4	150.6
150°	*173.6*	174.5	172.7	170.9	169.2	165.9	162.6	158.1	150.3	142.8	137.7
152.5°	*157.5*	158.1	156.6	155.7	153.9	151.2	147.9	143.7	137.7	131.1	126.3
155°	*143.1*	143.1	143.1	141.9	139.8	138.0	134.7	130.8	125.7	119.8	116.5
157.5°	*129.9*	130.2	130.2	128.7	127.2	125.7	123.0	119.8	115.3	110.2	107.8
160°	*119.5*	118.9	118.6	117.4	116.2	115.0	112.6	109.9	106.0	101.8	99.7
162.5°	*109.0*	109.0	108.4	107.5	106.6	104.8	103.3	100.6	97.9	94.9	92.5
165°	*100.9*	100.6	100.6	99.4	98.5	97.0	95.5	93.7	91.3	88.6	86.8
167.5°	*94.0*	93.4	93.1	92.5	91.3	90.4	88.9	87.4	85.6	83.8	82.3
170°	*87.4*	87.7	87.1	86.5	85.9	85.0	83.8	82.6	81.1	79.3	78.7
172.5°	*82.9*	82.6	82.3	81.7	81.1	80.2	79.6	78.4	77.5	76.3	75.7
175°	*78.7*	78.7	78.4	77.8	77.2	76.6	76.0	75.4	74.8	73.9	73.6
177.5°	*75.4*	75.4	75.4	74.8	74.5	74.2	73.6	73.3	73.1	72.5	72.5
180°	*72.2*	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	45.8	41.9	38.6	35.6	33.2	31.1	29.9	27.8	26.3	25.4
5°	51.5	45.8	41.0	36.2	32.6	28.7	24.8	21.0	18.6	18.3
7.5°	65.3	59.0	51.8	45.5	38.3	32.3	27.2	23.4	21.9	21.6
10°	82.6	73.3	63.8	54.5	45.2	37.7	32.3	28.7	26.9	26.6
12.5°	101.8	89.2	76.9	65.0	53.9	45.5	38.9	34.7	32.6	32.6
15°	121.6	106.0	90.4	75.7	62.9	52.4	44.3	38.9	36.5	36.2
17.5°	138.9	121.3	102.7	85.3	69.8	56.6	47.0	40.4	37.4	37.1
20°	158.7	136.2	115.0	93.4	75.1	59.9	48.5	41.0	37.1	36.8
22.5°	179.6	154.2	127.8	102.7	80.8	63.2	50.0	41.6	37.4	36.8
25°	203.3	172.7	141.0	112.0	86.5	66.2	51.5	42.2	37.7	37.1
27.5°	225.7	191.9	155.1	120.7	91.6	68.9	52.7	42.8	38.0	37.4
30°	249.7	210.8	168.9	129.9	97.0	71.6	53.9	43.1	38.0	37.4
32.5°	273.9	229.0	183.2	138.3	101.5	73.3	54.5	43.4	38.3	37.7
35°	299.7	248.8	196.7	147.0	105.7	75.1	55.1	43.7	38.3	37.7
37.5°	323.3	267.7	209.9	154.5	109.3	76.6	55.7	43.7	38.6	38.0
40°	344.6	284.7	221.5	161.1	112.3	77.5	56.0	44.0	38.9	38.3
42.5°	365.6	301.5	232.0	166.5	114.7	78.1	56.3	44.3	39.2	38.6
45°	384.1	315.6	241.6	171.5	116.5	78.7	56.6	44.6	39.5	38.9
47.5°	400.6	328.7	250.6	175.7	117.7	79.0	56.9	44.9	40.1	39.5
50°	416.4	341.3	257.5	179.0	118.9	79.3	56.9	45.5	41.0	40.4
52.5°	429.9	351.5	263.8	181.7	119.5	79.6	57.5	46.1	41.6	41.3
55°	441.6	360.5	269.4	183.8	120.1	79.6	58.1	47.0	42.8	42.2
57.5°	451.2	367.6	273.3	185.0	120.1	79.9	58.4	48.2	44.0	43.4
60°	459.6	373.9	276.9	186.5	120.4	80.2	59.3	49.4	45.5	45.2
62.5°	466.4	378.7	279.6	187.4	120.7	81.1	60.5	50.9	47.0	46.7
65°	471.8	382.9	281.7	188.0	121.0	81.7	61.7	52.4	49.1	48.8
67.5°	475.4	385.9	283.2	188.3	121.3	82.6	63.2	54.5	51.2	50.6
70°	*478.1*	*387.7*	*284.1*	*188.6*	*121.9*	*83.5*	*65.0*	*56.3*	*53.3*	*53.0*
71°	478.7	388.0	284.4	188.6	122.1	84.1	65.6	57.2	54.2	53.9
72.5°	479.0	388.3	284.4	188.6	122.4	85.0	66.8	58.7	55.7	55.4
75°	478.7	388.0	284.1	188.6	123.0	86.5	68.9	60.8	58.1	57.8
77.5°	476.6	386.8	283.2	188.6	123.9	88.3	71.3	63.8	60.8	60.5
80°	473.0	384.4	281.7	188.3	124.8	90.4	73.6	66.5	63.5	63.2
82.5°	468.2	380.8	279.6	188.3	126.0	92.2	76.0	68.9	66.5	66.2
85°	462.0	376.6	277.5	188.0	127.5	94.6	79.0	72.2	69.8	69.2
87.5°	454.5	371.5	275.1	188.0	129.0	97.3	82.0	75.1	72.8	72.2
90°	446.1	365.8	272.7	188.0	130.8	100.0	85.3	78.4	75.7	75.4
92.5°	437.7	360.5	270.3	188.3	133.2	103.0	88.6	82.0	79.3	79.3
95°	428.1	353.9	267.7	188.9	135.6	106.3	92.5	85.6	82.9	82.6
97.5°	418.5	347.9	265.6	189.8	138.3	110.2	96.1	89.5	86.8	86.2
100°	407.8	341.6	263.5	191.0	141.6	113.8	100.0	93.4	90.7	90.4
102.5°	397.3	334.7	261.1	192.5	144.9	118.0	104.2	97.3	94.6	94.3
105°	385.9	327.5	258.4	193.7	148.2	121.9	108.1	100.9	97.9	97.9
107.5°	374.8	320.0	255.7	195.2	151.5	125.7	111.7	104.5	101.2	100.9

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

Scaled Data Report

REPORT NUMBER: P1223939
CATALOG NUMBER: FFX-CLB-30-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	362.3	312.0	252.4	196.1	154.5	129.0	115.0	107.2	103.9	103.6
112.5°	350.9	303.3	248.8	196.4	157.2	132.0	117.7	109.6	106.3	105.7
115°	336.5	294.3	244.0	195.8	158.7	134.4	119.5	111.1	107.5	106.9
117.5°	322.7	284.1	238.9	194.3	159.6	135.6	120.7	112.0	108.1	107.5
120°	308.7	272.7	231.7	191.6	158.7	135.6	120.7	111.4	107.5	107.2
122.5°	292.8	260.8	224.2	187.7	157.2	134.4	119.5	110.5	106.3	106.0
125°	276.3	247.9	215.3	182.3	154.2	132.6	117.7	108.7	104.5	104.2
127.5°	260.5	234.7	206.0	176.0	150.0	129.6	115.3	106.0	101.8	101.2
130°	244.9	220.9	195.5	168.6	144.9	125.7	112.0	103.3	99.1	98.5
132.5°	228.7	207.8	185.0	161.4	139.5	121.6	108.4	100.0	96.1	95.5
135°	213.5	194.0	173.6	152.7	133.2	116.8	104.5	96.7	92.8	92.5
137.5°	198.8	181.1	163.2	144.3	126.9	112.0	100.6	93.4	89.8	89.2
140°	183.8	168.6	152.4	136.2	120.1	106.9	96.7	89.8	86.5	85.9
142.5°	170.9	156.6	142.2	127.2	113.5	101.5	92.5	86.2	83.5	83.2
145°	157.5	144.9	132.0	119.2	107.2	96.7	88.6	83.2	80.5	80.2
147.5°	145.5	133.5	122.4	111.4	100.9	91.6	84.7	80.2	78.1	77.8
150°	133.2	123.6	114.1	103.9	94.9	87.1	81.4	77.5	75.4	75.1
152.5°	122.4	114.4	105.7	97.9	89.5	83.2	78.4	74.8	73.3	73.1
155°	113.2	106.3	99.1	91.9	85.3	80.2	76.0	73.1	71.9	71.9
157.5°	105.1	99.1	93.1	87.1	81.7	77.2	73.9	71.9	70.7	70.4
160°	97.3	92.5	87.1	82.6	78.4	75.1	72.5	70.7	69.8	69.5
162.5°	91.0	86.8	83.2	79.3	76.0	73.3	71.3	69.8	69.2	69.2
165°	85.6	82.6	79.3	76.6	73.9	71.9	70.4	69.5	68.9	68.9
167.5°	81.4	78.7	76.6	74.2	72.5	71.0	69.8	69.2	68.9	68.6
170°	77.8	76.0	74.2	72.8	71.3	70.4	69.5	69.2	68.9	68.9
172.5°	75.1	73.9	72.8	71.6	70.7	69.8	69.5	69.2	69.2	69.2
175°	73.1	72.5	71.6	71.0	70.4	70.1	69.8	69.8	69.8	69.8
177.5°	72.2	71.6	71.3	71.0	70.7	70.7	70.7	71.0	71.0	71.0
180°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2

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

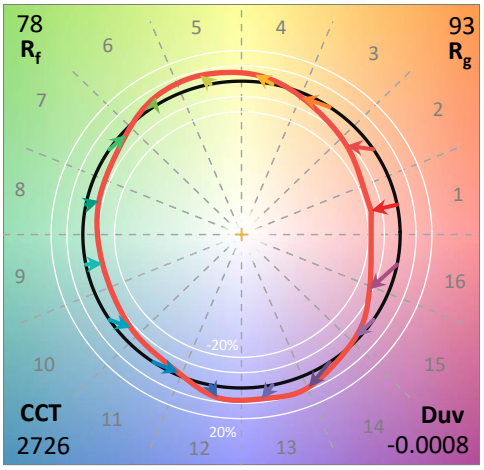
Test Information

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

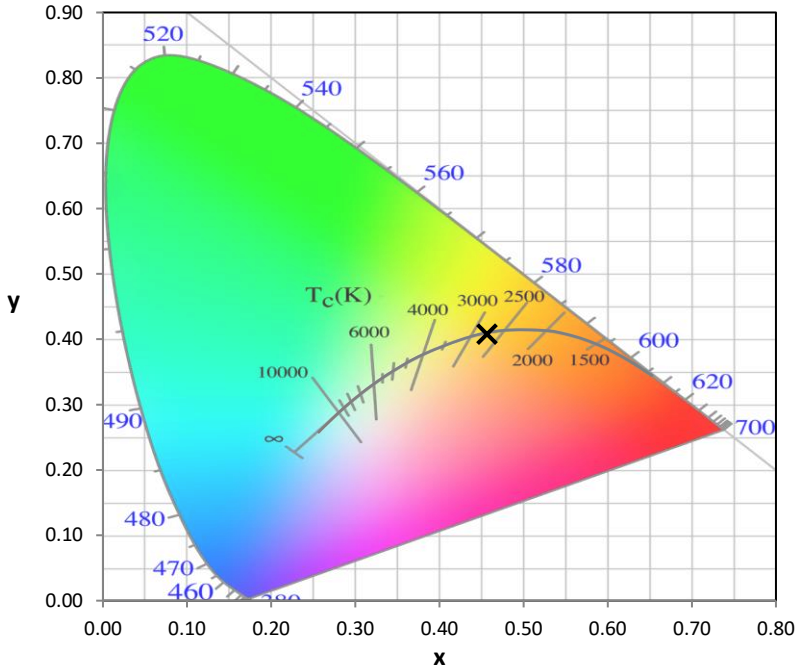
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

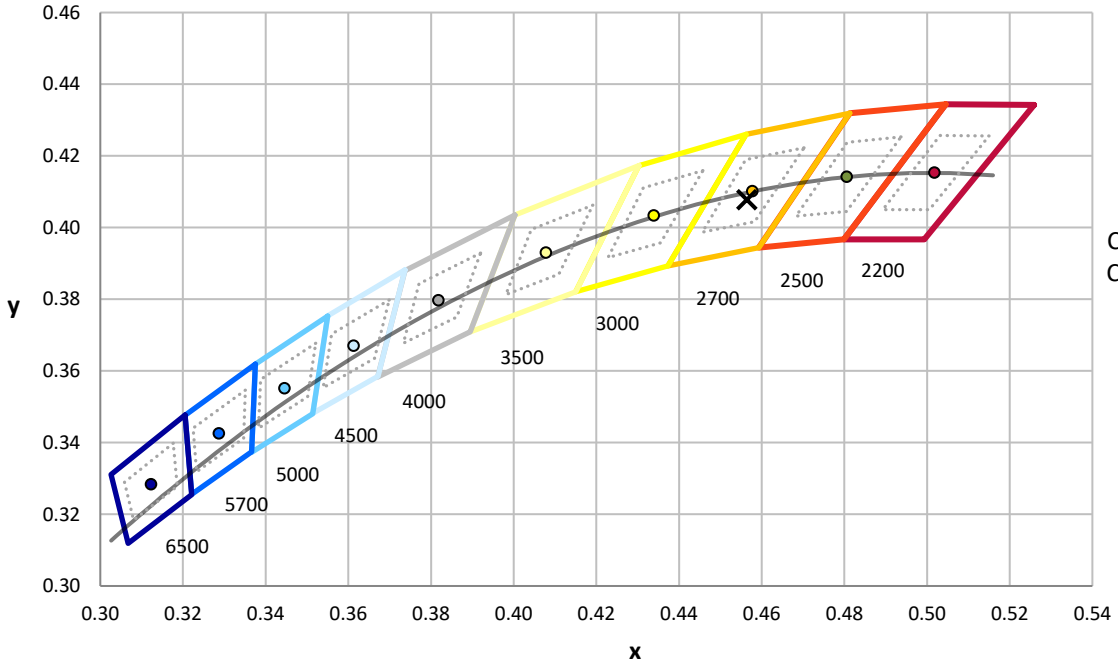
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

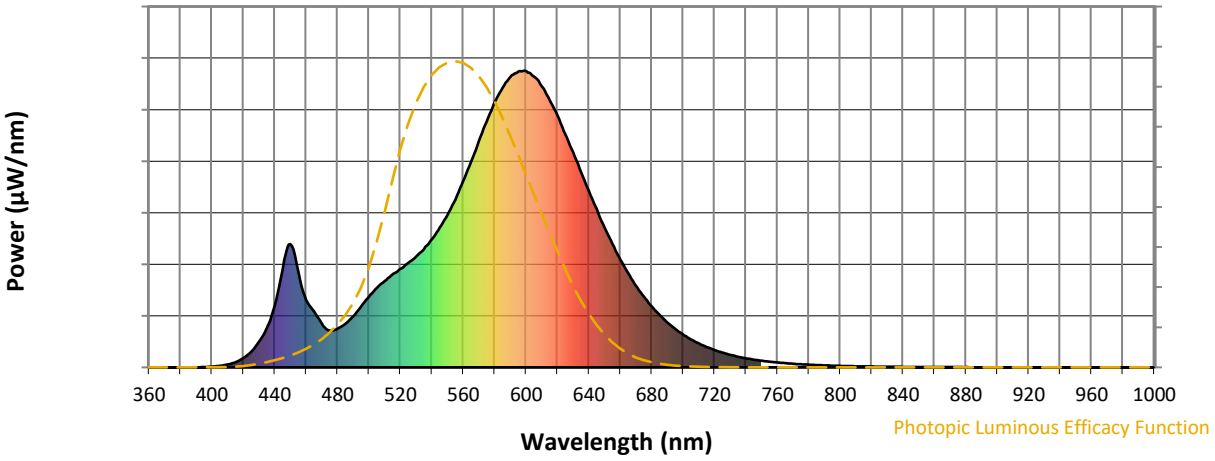


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

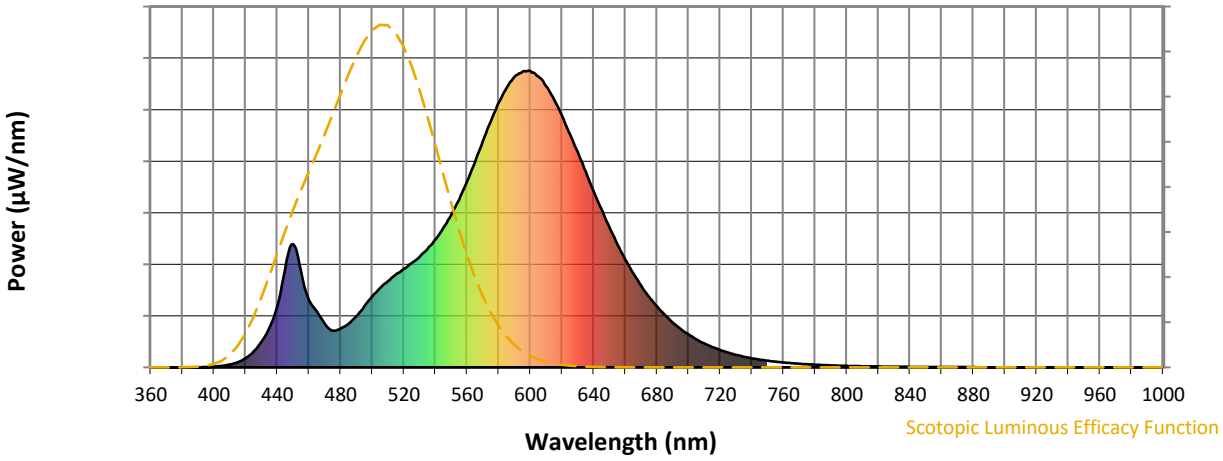


Photopic Lumens: NR

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

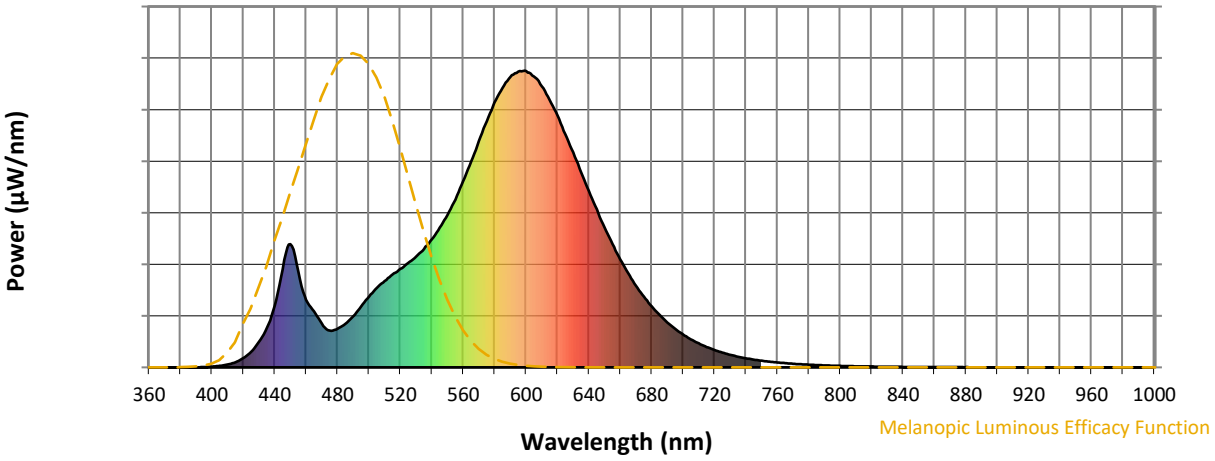


Scotopic Lumens: NR **S/P: 1.16**

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			

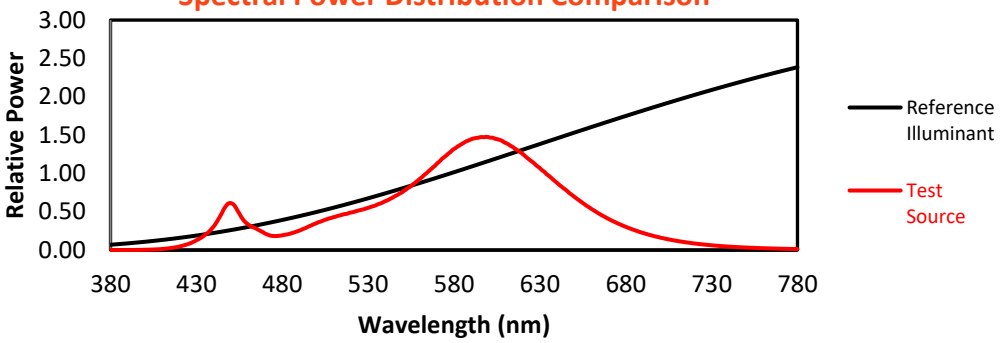
REPORT NUMBER: SP1-2501-332-3

TM-30-18

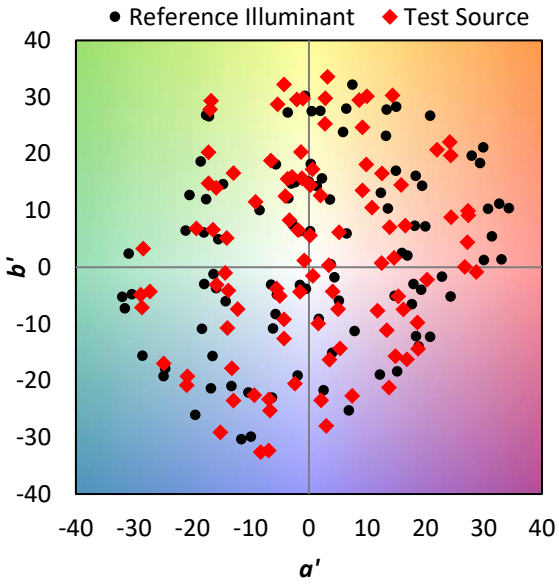
Summary

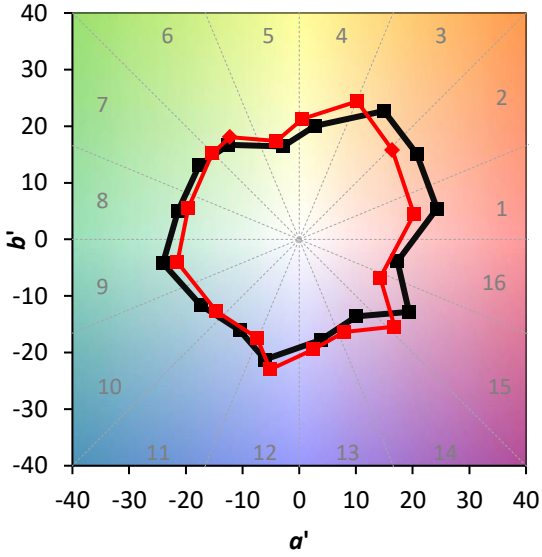
R_f = 77.8
R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

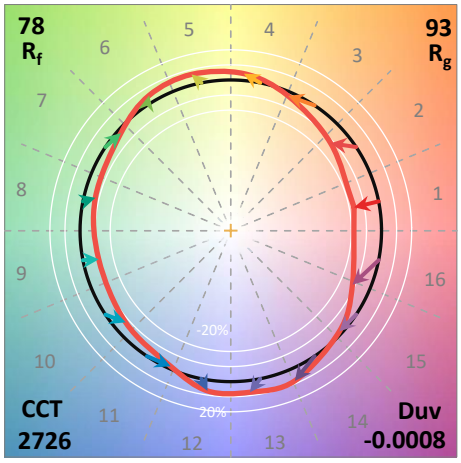
Spectral Power Distribution Comparison

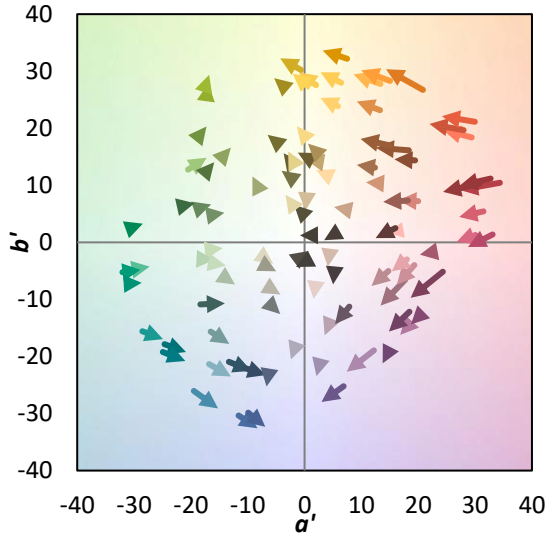


Color Vector Graphics







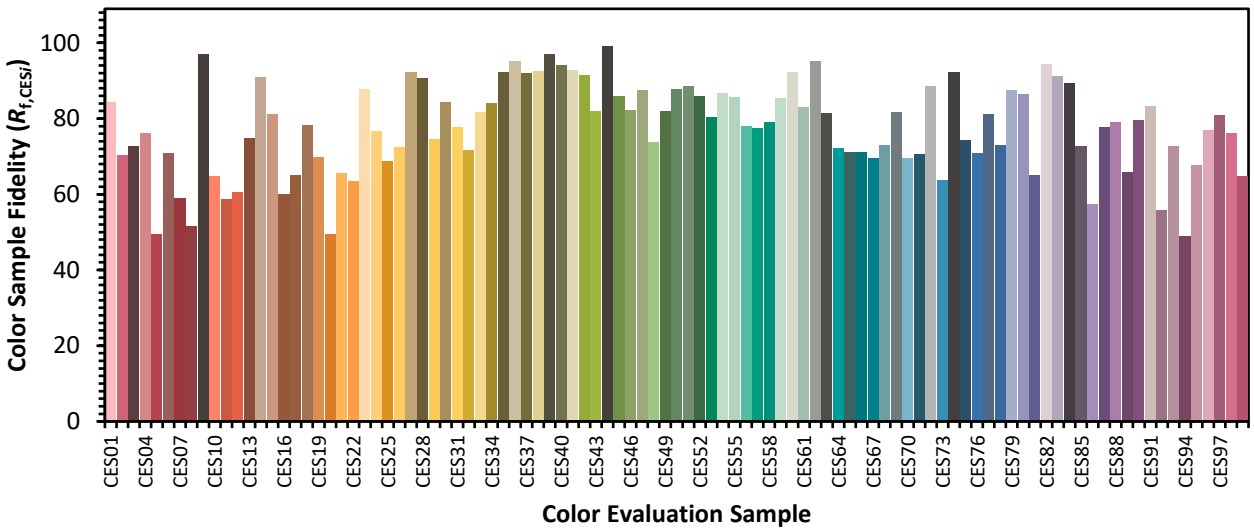


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

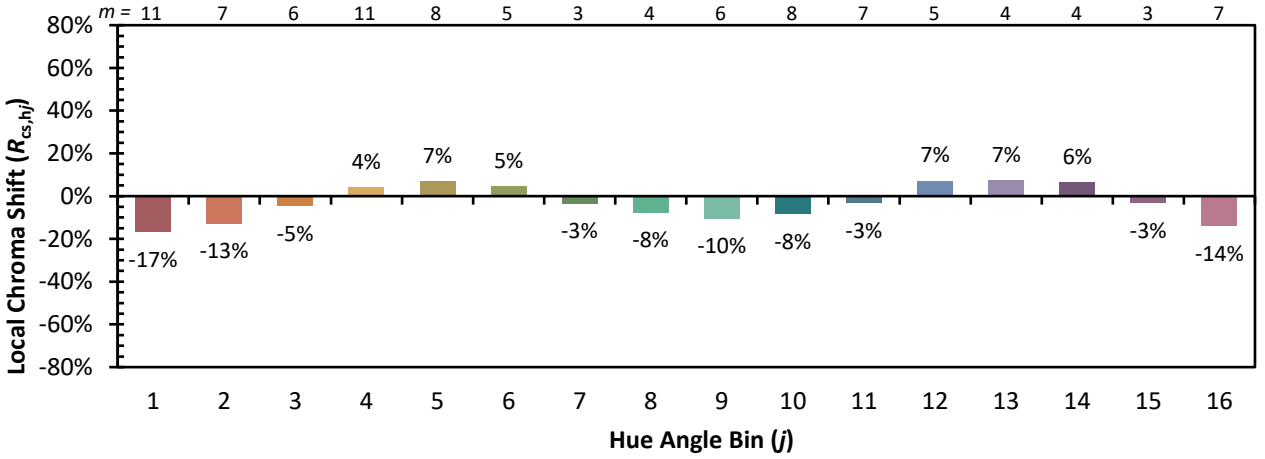
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

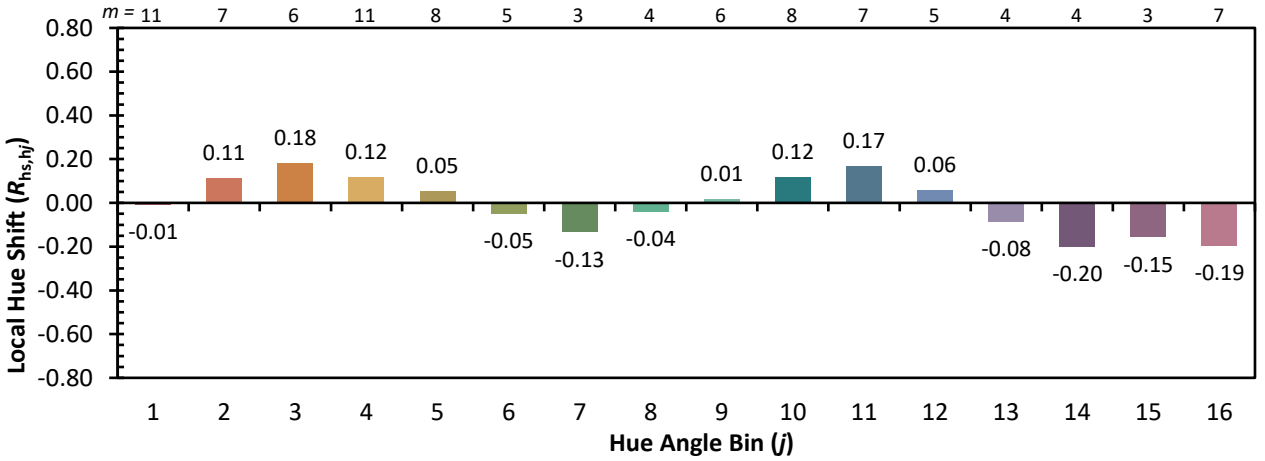


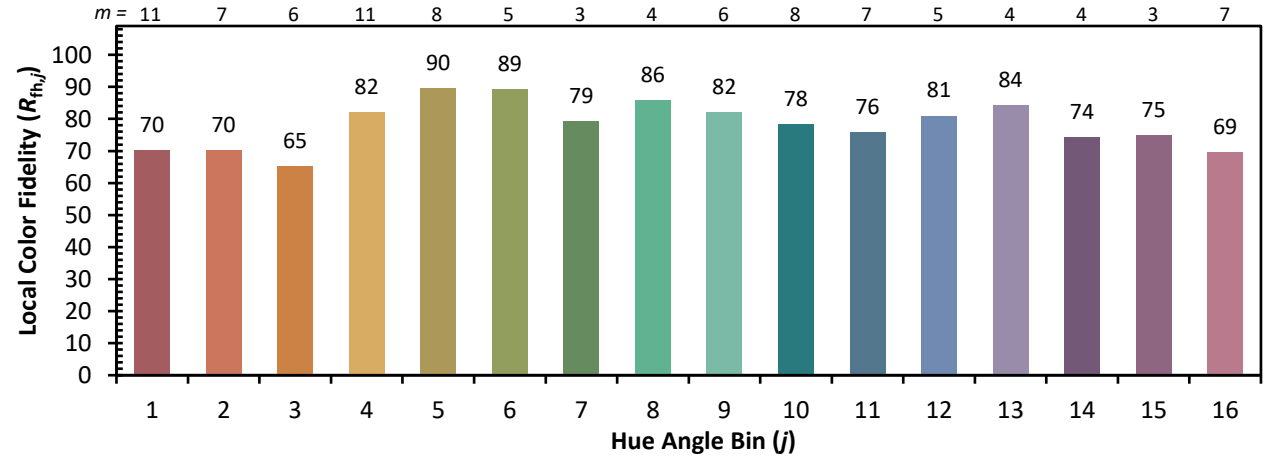
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



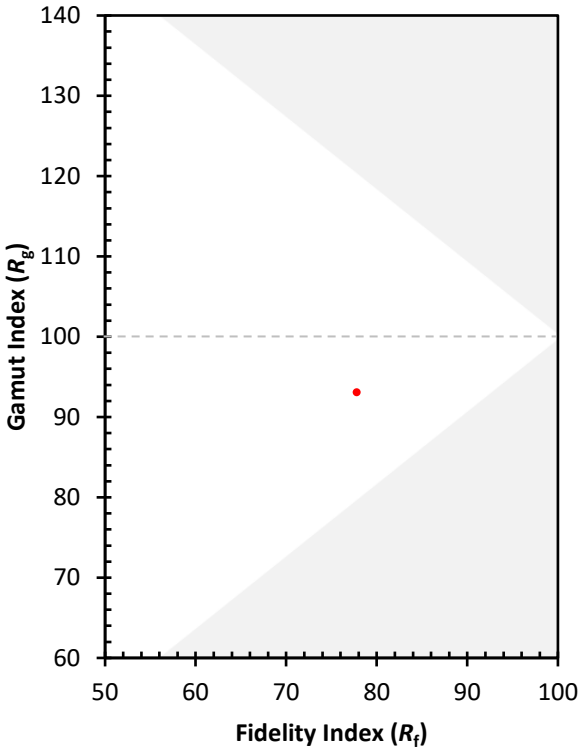


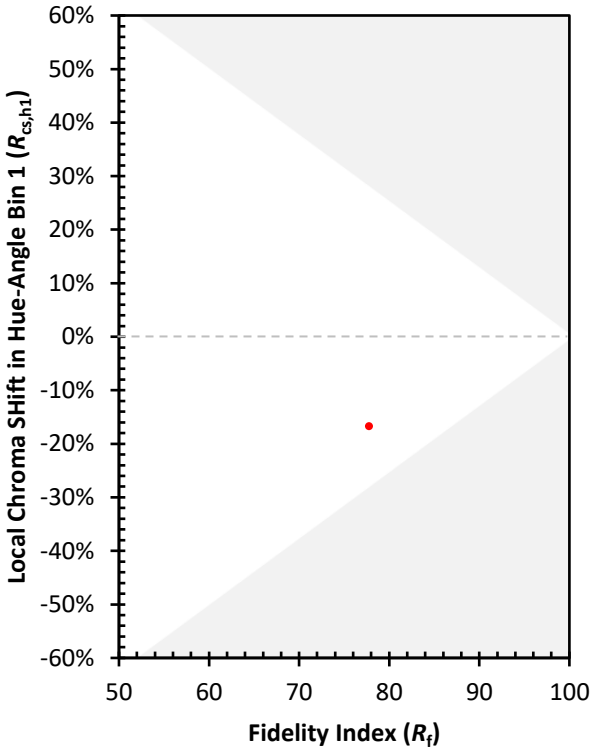


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Measure Comparisons





(END OF REPORT)