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: P1223931

Luminaire Tested: **FFX-CLB-20-722-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:	P1223931
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2408.7 lumens
Efficiency:	N/A
Efficacy:	121.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G2

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

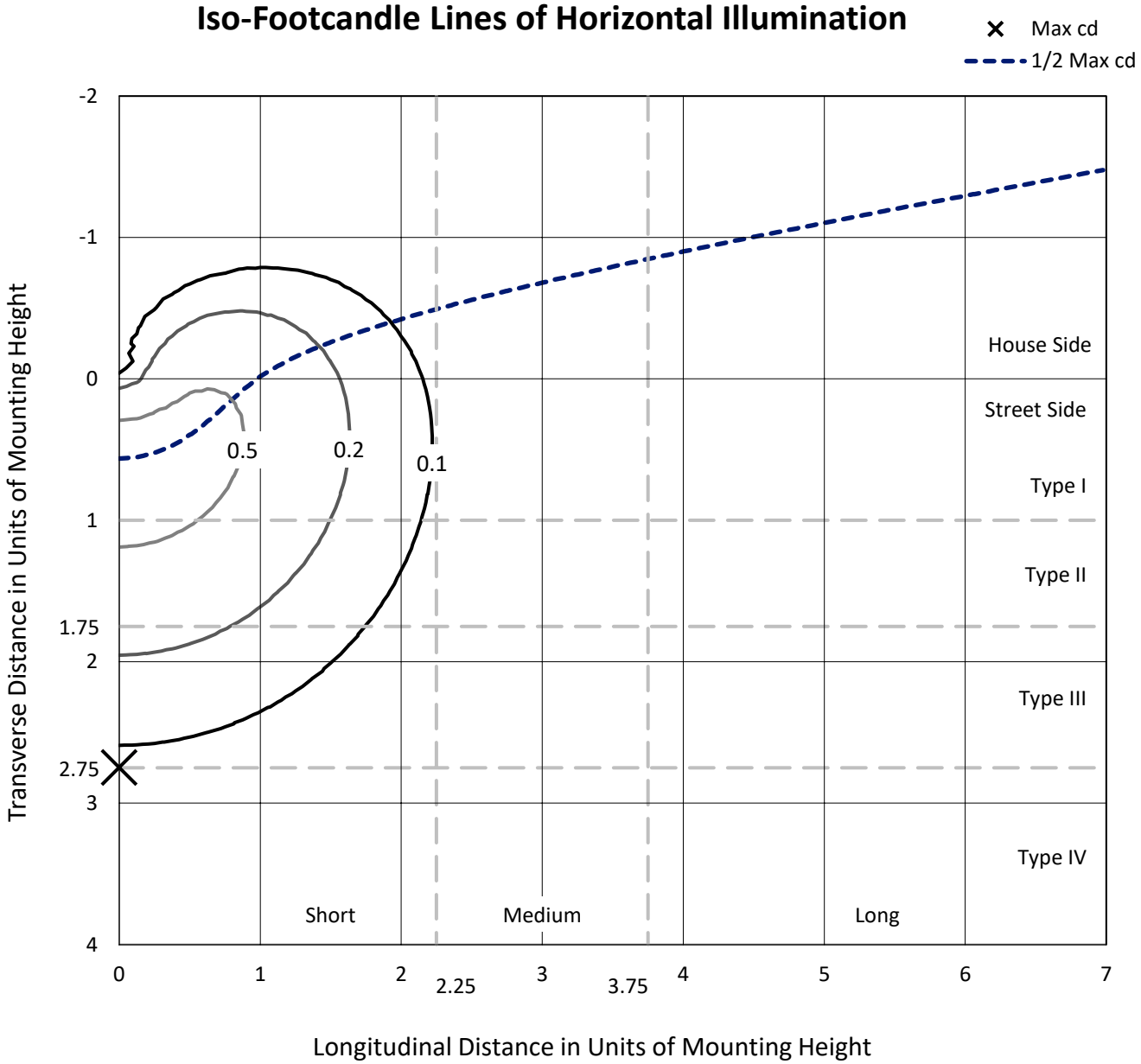


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Iso-Footcandle Lines of Horizontal Illumination



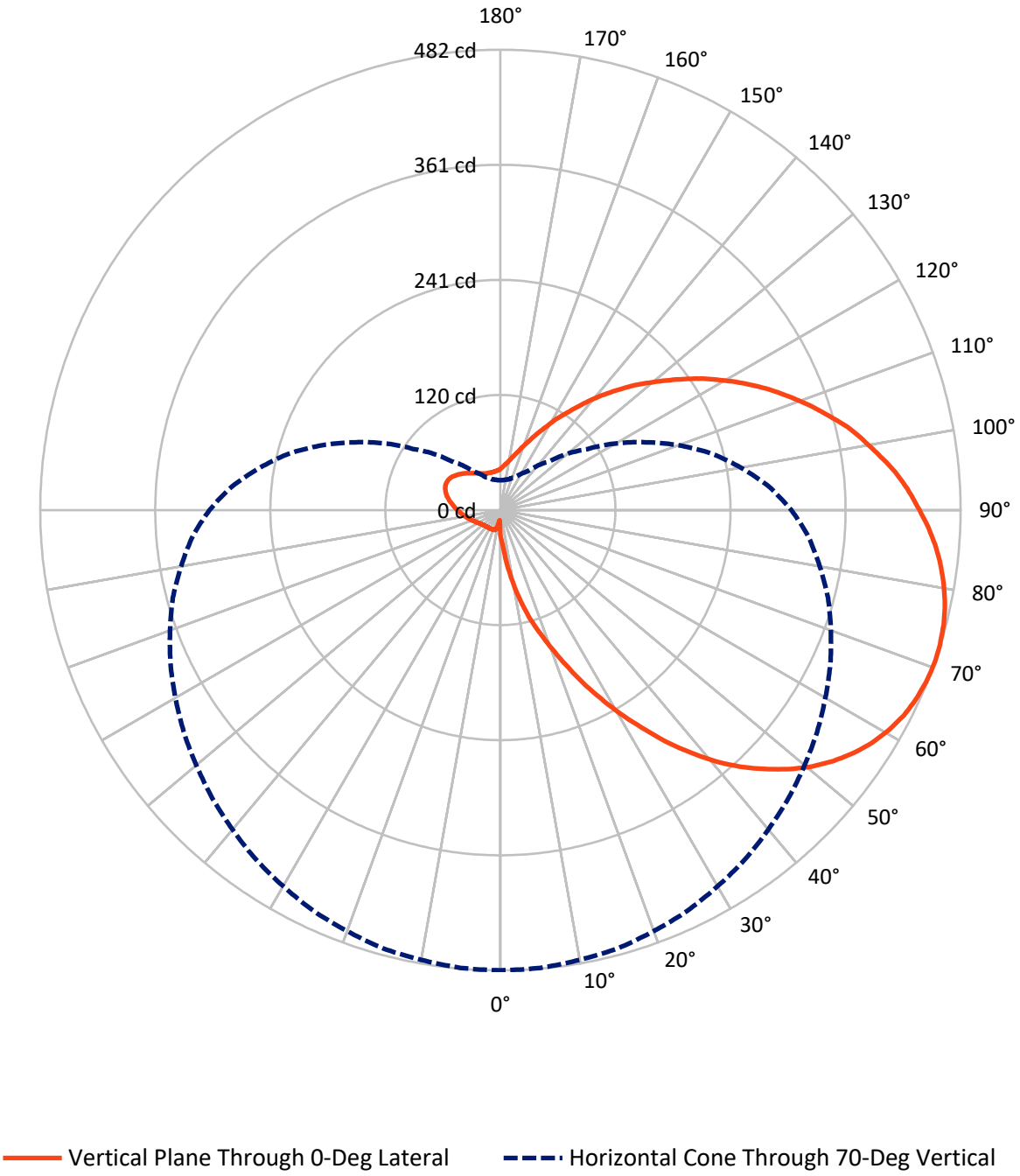
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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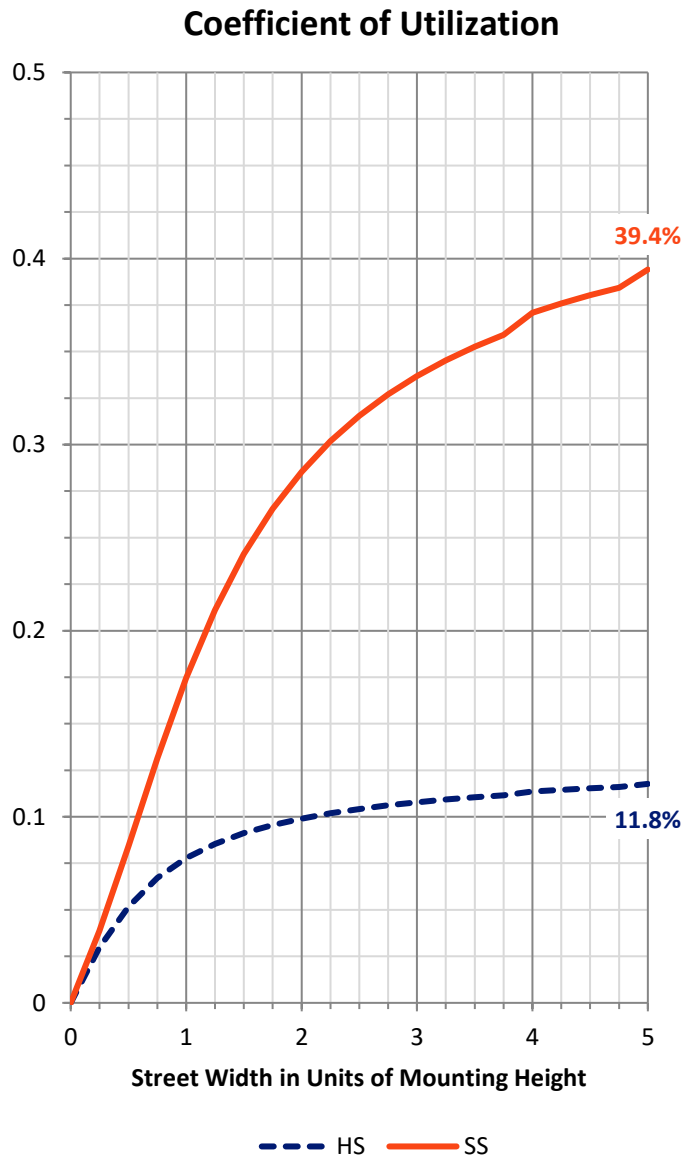
REPORT NUMBER: P1223931
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.9	298.0	606.9
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	1084.9	717.0	1801.9
	% Fixture	45.0	29.8	74.8
Total	Lumens	1393.8	1015.0	2408.7
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.2
10°-20°	21.1	0.9
20°-30°	55.4	2.3
30°-40°	107.6	4.5
40°-50°	167.7	7.0
50°-60°	221.2	9.2
60°-70°	259.8	10.8
70°-80°	279.5	11.6
80°-90°	277.9	11.5
90°-100°	258.4	10.7
100°-110°	226.9	9.4
110°-120°	186.6	7.7
120°-130°	140.5	5.8
130°-140°	95.2	4.0
140°-150°	57.6	2.4
150°-160°	31.0	1.3
160°-170°	14.6	0.6
170°-180°	4.2	0.2
0°-90°	1393.8	57.9
0°-180°	2408.7	100.0



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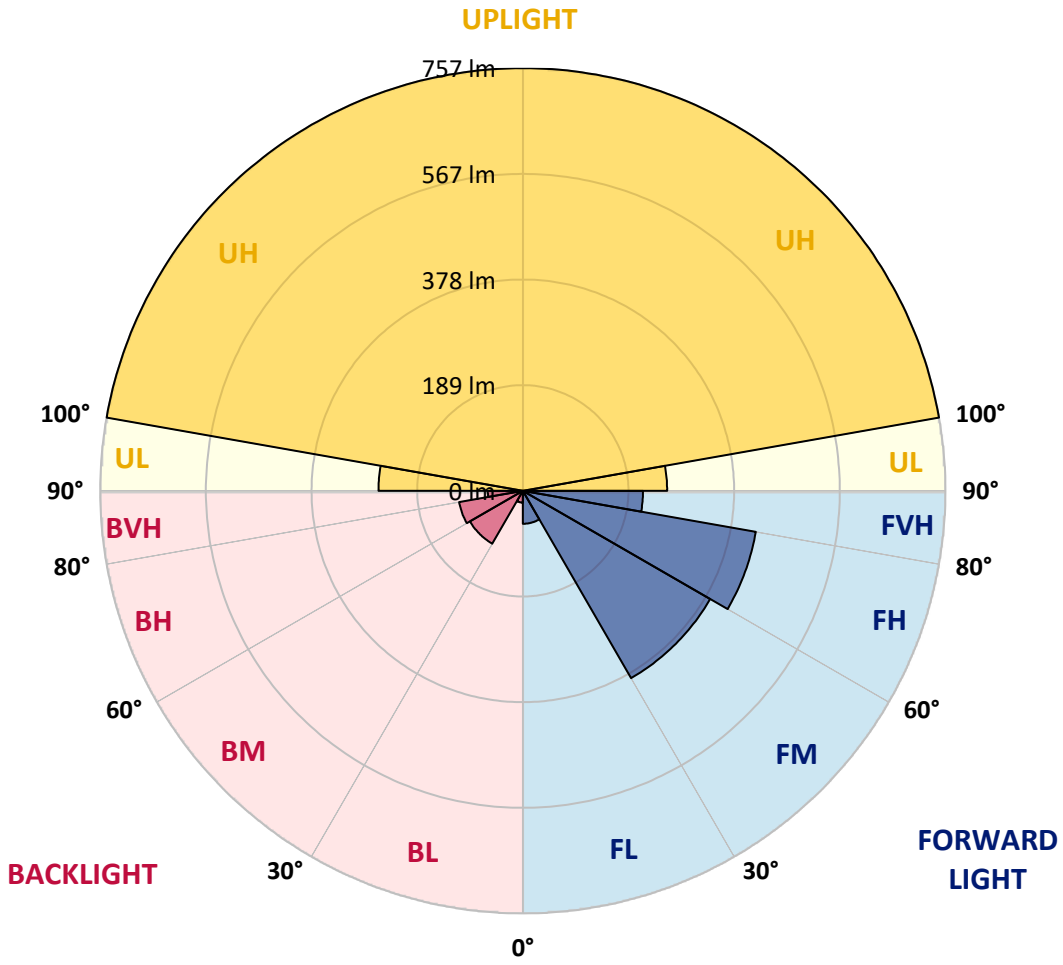
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	59.0	2.4			
FM	(30°-60°)	387.2	16.1			
FH	(60°-80°)	423.5	17.6			G0/660
FVH	(80°-90°)	215.1	8.9			G2/225
BL	(0°-30°)	21.1	0.9	B0/110		
BM	(30°-60°)	109.3	4.5	B0/220		
BH	(60°-80°)	115.7	4.8	B1/500		G1/500
BVH	(80°-90°)	62.7	2.6			G1/100
UL	(90°-100°)	258.4	10.7		U3/500	
UH	(100°-180°)	756.6	31.4		U4/1000	

BUG Rating: B1-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*27.6*	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
2.5°	*33.6*	33.7	33.6	33.6	33.9	33.6	33.2	32.0	30.6	28.8	27.9
5°	*47.0*	47.0	47.9	47.9	47.0	45.0	42.7	39.6	36.7	33.7	31.6
7.5°	*64.1*	64.5	63.8	62.0	60.9	57.0	54.8	50.7	47.2	43.1	41.2
10°	*82.0*	82.1	81.2	79.7	76.3	72.4	69.1	64.3	59.7	54.4	51.6
12.5°	*101.0*	100.7	99.1	95.6	93.6	89.2	84.8	79.8	73.7	67.1	63.8
15°	*119.2*	118.5	117.8	114.1	111.4	107.0	101.9	95.2	88.0	80.7	75.8
17.5°	*136.7*	135.1	134.1	132.3	128.2	124.3	117.8	109.9	102.1	92.6	87.4
20°	*155.4*	155.8	154.0	151.5	147.1	141.5	135.1	126.6	116.9	105.6	99.4
22.5°	*176.4*	176.4	175.4	172.2	167.6	160.4	153.0	144.1	132.1	120.3	112.7
25°	*199.8*	198.5	197.1	193.0	189.2	181.4	172.6	163.0	150.5	136.2	127.7
27.5°	*222.9*	222.4	221.0	216.5	211.6	203.5	194.6	182.3	168.7	151.9	143.1
30°	*247.4*	246.9	245.5	241.3	234.0	226.1	215.5	202.2	187.4	168.5	158.8
32.5°	*271.1*	271.1	269.4	264.9	257.3	247.8	236.5	221.7	205.2	185.8	174.2
35°	*297.4*	297.3	294.1	288.8	279.6	271.3	258.6	243.0	224.5	202.2	189.9
37.5°	*321.6*	320.7	317.6	311.9	303.4	292.7	278.4	261.2	242.2	218.5	204.5
40°	*345.5*	344.4	341.6	335.2	325.0	312.8	298.1	279.8	258.2	233.7	219.2
42.5°	*367.0*	366.7	362.6	355.0	344.8	331.0	315.3	295.8	274.3	247.8	232.4
45°	*386.6*	386.6	382.6	374.3	362.6	348.7	331.3	311.4	288.4	260.7	244.4
47.5°	*405.2*	405.2	401.3	391.8	378.9	363.5	345.8	325.2	300.8	272.4	255.0
50°	*422.0*	421.2	416.8	406.2	393.2	377.1	358.5	336.8	312.3	282.8	265.3
52.5°	*436.4*	435.6	430.4	420.5	405.9	388.7	369.3	347.2	321.6	291.8	273.9
55°	*448.6*	448.1	443.1	431.8	416.5	399.3	378.7	355.7	330.5	299.4	281.4
57.5°	*459.2*	458.3	452.5	441.0	425.7	406.9	386.1	363.3	337.2	306.3	287.5
60°	*467.2*	466.3	460.3	448.8	433.3	413.5	392.6	369.5	343.0	311.7	292.7
62.5°	*473.7*	472.6	466.8	454.6	438.4	419.0	397.6	374.1	347.6	316.2	297.1
65°	*477.8*	476.9	471.2	459.0	442.3	422.7	401.3	377.6	351.3	319.5	300.4
67.5°	*480.4*	479.7	473.9	462.0	445.3	425.3	403.6	379.9	353.8	322.0	302.9
70°	*481.7*	*480.9*	*474.9*	*462.9*	*446.3*	*426.4*	*404.6*	*381.0*	*355.0*	*323.8*	*304.5*
71°	*481.7*	480.9	475.1	463.1	446.5	426.5	404.8	381.2	355.2	323.9	304.7
72.5°	*481.1*	480.6	474.8	462.6	446.0	426.2	404.3	381.0	355.2	324.1	305.0
75°	*479.2*	478.1	472.5	460.6	444.2	424.4	402.7	379.4	354.1	323.6	304.7
77.5°	*475.6*	474.8	468.9	457.5	441.0	421.1	399.5	376.7	352.0	321.8	303.3
80°	*470.5*	469.6	464.0	452.2	435.9	416.7	395.1	372.7	348.3	319.0	300.8
82.5°	*464.0*	463.3	457.8	446.0	429.9	410.8	389.3	367.4	344.2	315.1	297.3
85°	*456.2*	455.3	449.3	437.7	422.3	403.2	382.2	361.0	338.4	310.3	293.0
87.5°	*446.9*	446.3	440.3	429.2	413.8	394.9	374.8	354.1	331.9	305.0	288.3
90°	*436.6*	436.4	430.1	419.0	403.8	385.9	366.0	345.8	324.3	298.7	282.4
92.5°	*426.4*	426.4	420.0	408.5	393.5	375.9	357.0	337.5	317.0	292.3	276.8
95°	*415.1*	413.8	407.8	397.6	382.6	365.6	347.4	328.3	308.6	285.1	270.4
97.5°	*401.8*	401.5	395.6	384.7	370.9	354.7	337.0	319.3	300.3	277.7	263.7
100°	*388.9*	388.2	382.7	372.7	358.5	343.0	326.4	309.4	291.4	270.1	256.6
102.5°	*376.2*	374.4	368.8	358.5	346.2	331.0	315.5	299.9	282.2	261.9	249.4
105°	*360.8*	360.7	354.8	345.1	332.6	319.2	304.5	289.3	273.2	253.6	242.0
107.5°	*345.8*	345.8	340.4	330.8	319.0	306.1	293.0	278.7	263.9	245.0	234.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*330.5*	330.3	325.3	316.9	305.6	293.2	281.2	268.1	253.3	236.7	226.3
112.5°	*315.3*	314.9	310.2	301.5	291.1	281.0	269.0	257.0	243.4	228.0	218.1
115°	*299.9*	299.6	294.4	286.8	277.3	266.9	256.8	245.3	233.5	218.1	209.5
117.5°	*284.0*	283.7	279.4	272.0	263.0	254.7	244.6	234.7	222.7	208.8	200.1
120°	*267.8*	267.9	263.7	257.0	248.7	240.9	232.1	223.1	211.9	198.7	190.4
122.5°	*252.4*	251.2	248.3	242.3	234.9	227.7	220.2	211.1	200.6	188.1	180.9
125°	*236.0*	235.6	232.8	226.8	220.4	214.8	207.9	199.6	190.0	177.3	170.8
127.5°	*220.1*	220.6	217.4	213.0	206.8	202.1	195.0	187.8	178.6	167.1	160.9
130°	*205.2*	204.9	203.1	198.5	193.4	188.5	183.2	176.6	168.0	156.5	150.8
132.5°	*191.5*	189.9	188.3	184.4	180.2	176.1	171.5	165.0	156.1	146.1	141.1
135°	*176.4*	176.4	174.0	170.6	167.6	163.7	159.1	153.1	145.5	136.7	131.1
137.5°	*162.7*	162.0	160.4	157.7	154.9	152.1	148.2	142.2	135.5	127.0	122.0
140°	*149.6*	149.1	147.7	145.4	143.1	140.4	136.9	131.8	125.6	117.5	113.2
142.5°	*136.0*	136.4	135.1	133.5	130.9	129.1	125.9	121.3	115.9	108.8	104.7
145°	*123.8*	124.0	123.5	121.9	119.9	118.2	114.8	111.4	106.2	99.8	96.8
147.5°	*113.7*	113.0	112.0	111.1	109.3	107.9	105.3	102.1	97.1	91.7	88.8
150°	*102.4*	103.0	101.9	100.9	99.8	97.8	95.9	93.3	88.7	84.2	81.2
152.5°	*92.9*	93.3	92.4	91.8	90.8	89.2	87.3	84.8	81.2	77.4	74.5
155°	*84.4*	84.4	84.4	83.7	82.5	81.4	79.5	77.2	74.2	70.6	68.7
157.5°	*76.7*	76.8	76.8	75.9	75.1	74.2	72.6	70.6	68.0	65.0	63.6
160°	*70.5*	70.1	69.9	69.2	68.5	67.8	66.4	64.8	62.5	60.1	58.8
162.5°	*64.3*	64.3	63.9	63.4	62.9	61.8	60.9	59.3	57.8	56.0	54.6
165°	*59.5*	59.3	59.3	58.6	58.1	57.2	56.3	55.3	53.9	52.3	51.2
167.5°	*55.5*	55.1	54.9	54.6	53.9	53.3	52.5	51.6	50.5	49.5	48.6
170°	*51.6*	51.8	51.4	51.0	50.7	50.2	49.5	48.7	47.9	46.8	46.5
172.5°	*48.9*	48.7	48.6	48.2	47.9	47.3	47.0	46.3	45.7	45.0	44.7
175°	*46.5*	46.5	46.3	45.9	45.6	45.2	44.9	44.5	44.2	43.6	43.4
177.5°	*44.5*	44.5	44.5	44.2	44.0	43.8	43.4	43.3	43.1	42.7	42.7
180°	*42.6*	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
2.5°	27.0	24.7	22.8	21.0	19.6	18.4	17.7	16.4	15.5	15.0
5°	30.4	27.0	24.2	21.4	19.3	17.0	14.7	12.4	11.0	10.8
7.5°	38.5	34.8	30.6	26.8	22.6	19.1	16.1	13.8	12.9	12.7
10°	48.7	43.3	37.6	32.1	26.7	22.3	19.1	17.0	15.9	15.7
12.5°	60.1	52.6	45.4	38.3	31.8	26.8	23.0	20.5	19.3	19.3
15°	71.7	62.5	53.3	44.7	37.1	30.9	26.1	23.0	21.5	21.4
17.5°	82.0	71.5	60.6	50.3	41.2	33.4	27.7	23.8	22.1	21.9
20°	93.6	80.4	67.8	55.1	44.3	35.3	28.6	24.2	21.9	21.7
22.5°	106.0	91.0	75.4	60.6	47.7	37.3	29.5	24.6	22.1	21.7
25°	119.9	101.9	83.2	66.1	51.0	39.0	30.4	24.9	22.3	21.9
27.5°	133.2	113.2	91.5	71.2	54.0	40.6	31.1	25.3	22.4	22.1
30°	147.3	124.3	99.6	76.7	57.2	42.2	31.8	25.4	22.4	22.1
32.5°	161.6	135.1	108.1	81.6	59.9	43.3	32.1	25.6	22.6	22.3
35°	176.8	146.8	116.0	86.7	62.3	44.3	32.5	25.8	22.6	22.3
37.5°	190.8	157.9	123.8	91.1	64.5	45.2	32.9	25.8	22.8	22.4
40°	203.3	168.0	130.7	95.0	66.2	45.7	33.0	26.0	23.0	22.6
42.5°	215.7	177.9	136.9	98.2	67.6	46.1	33.2	26.1	23.1	22.8
45°	226.6	186.2	142.5	101.2	68.7	46.5	33.4	26.3	23.3	23.0
47.5°	236.3	193.9	147.8	103.7	69.4	46.6	33.6	26.5	23.7	23.3
50°	245.7	201.4	151.9	105.6	70.1	46.8	33.6	26.8	24.2	23.8
52.5°	253.6	207.4	155.6	107.2	70.5	47.0	33.9	27.2	24.6	24.4
55°	260.5	212.7	159.0	108.4	70.8	47.0	34.3	27.7	25.3	24.9
57.5°	266.2	216.9	161.3	109.2	70.8	47.2	34.4	28.4	26.0	25.6
60°	271.1	220.6	163.4	110.0	71.0	47.3	35.0	29.1	26.8	26.7
62.5°	275.2	223.4	165.0	110.6	71.2	47.9	35.7	30.0	27.7	27.6
65°	278.4	225.9	166.2	110.9	71.4	48.2	36.4	30.9	29.0	28.8
67.5°	280.5	227.7	167.1	111.1	71.5	48.7	37.3	32.1	30.2	29.8
70°	*282.1*	*228.7*	*167.6*	*111.3*	*71.9*	*49.3*	*38.3*	*33.2*	*31.4*	*31.3*
71°	282.4	228.9	167.8	111.3	72.1	49.6	38.7	33.7	32.0	31.8
72.5°	282.6	229.1	167.8	111.3	72.2	50.2	39.4	34.6	32.9	32.7
75°	282.4	228.9	167.6	111.3	72.6	51.0	40.6	35.9	34.3	34.1
77.5°	281.2	228.2	167.1	111.3	73.1	52.1	42.0	37.6	35.9	35.7
80°	279.1	226.8	166.2	111.1	73.7	53.3	43.4	39.2	37.4	37.3
82.5°	276.2	224.7	165.0	111.1	74.4	54.4	44.9	40.6	39.2	39.0
85°	272.5	222.2	163.7	110.9	75.2	55.8	46.6	42.6	41.2	40.8
87.5°	268.1	219.2	162.3	110.9	76.1	57.4	48.4	44.3	42.9	42.6
90°	263.2	215.8	160.9	110.9	77.2	59.0	50.3	46.3	44.7	44.5
92.5°	258.2	212.7	159.5	111.1	78.6	60.8	52.3	48.4	46.8	46.8
95°	252.6	208.8	157.9	111.4	80.0	62.7	54.6	50.5	48.9	48.7
97.5°	246.9	205.2	156.7	112.0	81.6	65.0	56.7	52.8	51.2	50.9
100°	240.6	201.5	155.4	112.7	83.5	67.1	59.0	55.1	53.5	53.3
102.5°	234.4	197.5	154.0	113.6	85.5	69.6	61.5	57.4	55.8	55.6
105°	227.7	193.2	152.4	114.3	87.4	71.9	63.8	59.5	57.8	57.8
107.5°	221.1	188.8	150.8	115.2	89.4	74.2	65.9	61.6	59.7	59.5

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

Scaled Data Report

REPORT NUMBER: P1223931
CATALOG NUMBER: FFX-CLB-20-722-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	213.7	184.0	148.9	115.7	91.1	76.1	67.8	63.2	61.3	61.1
112.5°	207.0	178.9	146.8	115.9	92.7	77.9	69.4	64.6	62.7	62.3
115°	198.5	173.6	143.9	115.5	93.6	79.3	70.5	65.5	63.4	63.1
117.5°	190.4	167.6	140.9	114.6	94.1	80.0	71.2	66.1	63.8	63.4
120°	182.1	160.9	136.7	113.0	93.6	80.0	71.2	65.7	63.4	63.2
122.5°	172.7	153.8	132.3	110.7	92.7	79.3	70.5	65.2	62.7	62.5
125°	163.0	146.2	127.0	107.6	91.0	78.2	69.4	64.1	61.6	61.5
127.5°	153.7	138.5	121.5	103.9	88.5	76.5	68.0	62.5	60.1	59.7
130°	144.5	130.3	115.3	99.4	85.5	74.2	66.1	60.9	58.5	58.1
132.5°	134.9	122.6	109.2	95.2	82.3	71.7	63.9	59.0	56.7	56.3
135°	125.9	114.5	102.4	90.1	78.6	68.9	61.6	57.0	54.8	54.6
137.5°	117.3	106.9	96.3	85.1	74.9	66.1	59.3	55.1	53.0	52.6
140°	108.4	99.4	89.9	80.4	70.8	63.1	57.0	53.0	51.0	50.7
142.5°	100.9	92.4	83.9	75.1	66.9	59.9	54.6	50.9	49.3	49.1
145°	92.9	85.5	77.9	70.3	63.2	57.0	52.3	49.1	47.5	47.3
147.5°	85.8	78.8	72.2	65.7	59.5	54.0	50.0	47.3	46.1	45.9
150°	78.6	72.9	67.3	61.3	56.0	51.4	48.0	45.7	44.5	44.3
152.5°	72.2	67.5	62.3	57.8	52.8	49.1	46.3	44.2	43.3	43.1
155°	66.8	62.7	58.5	54.2	50.3	47.3	44.9	43.1	42.4	42.4
157.5°	62.0	58.5	54.9	51.4	48.2	45.6	43.6	42.4	41.7	41.5
160°	57.4	54.6	51.4	48.7	46.3	44.3	42.7	41.7	41.2	41.0
162.5°	53.7	51.2	49.1	46.8	44.9	43.3	42.0	41.2	40.8	40.8
165°	50.5	48.7	46.8	45.2	43.6	42.4	41.5	41.0	40.6	40.6
167.5°	48.0	46.5	45.2	43.8	42.7	41.9	41.2	40.8	40.6	40.4
170°	45.9	44.9	43.8	42.9	42.0	41.5	41.0	40.8	40.6	40.6
172.5°	44.3	43.6	42.9	42.2	41.7	41.2	41.0	40.8	40.8	40.8
175°	43.1	42.7	42.2	41.9	41.5	41.3	41.2	41.2	41.2	41.2
177.5°	42.6	42.2	42.0	41.9	41.7	41.7	41.7	41.9	41.9	41.9
180°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

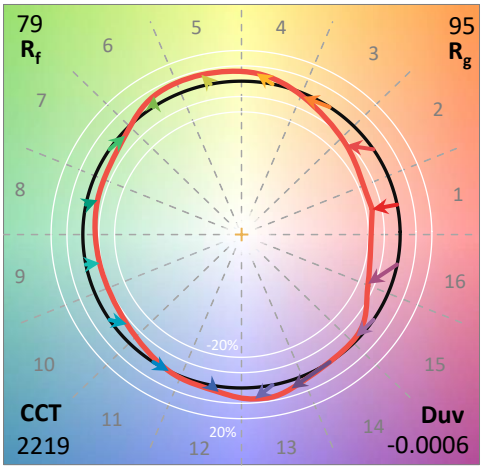
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

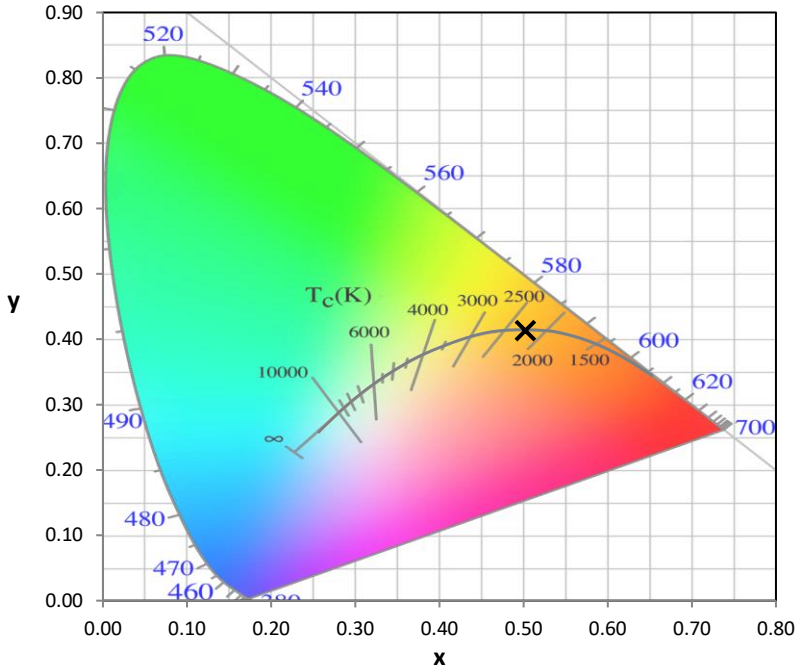
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

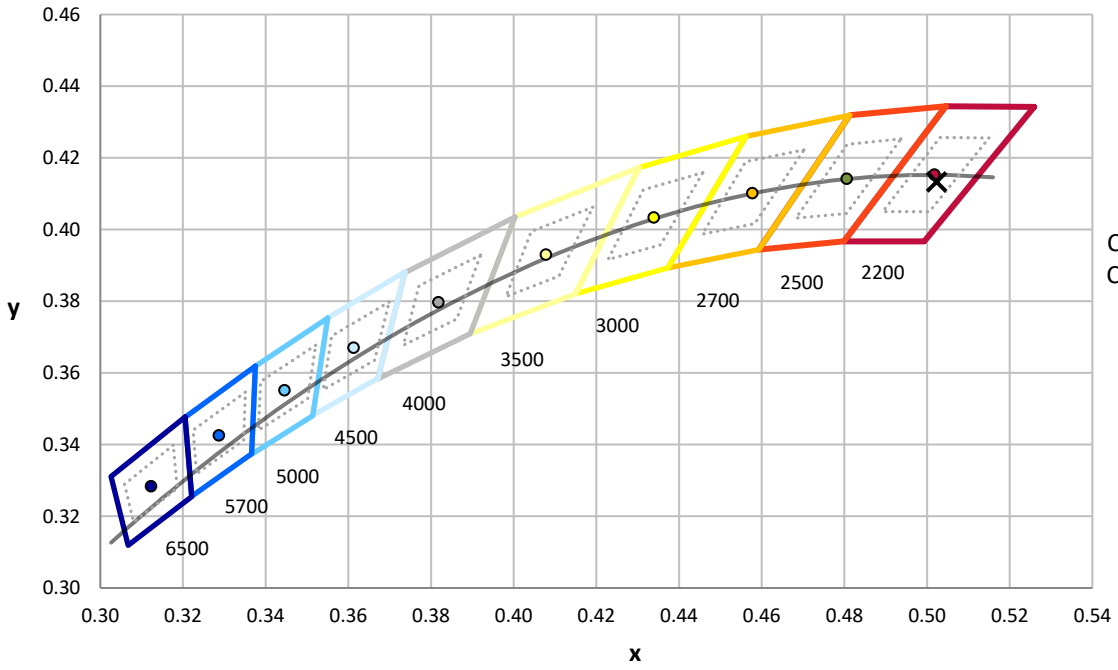
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

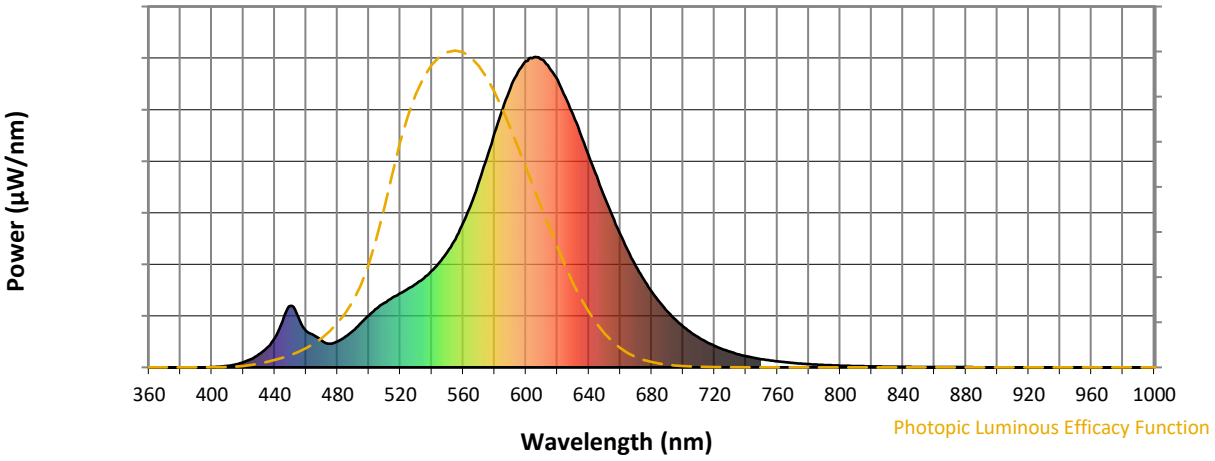


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

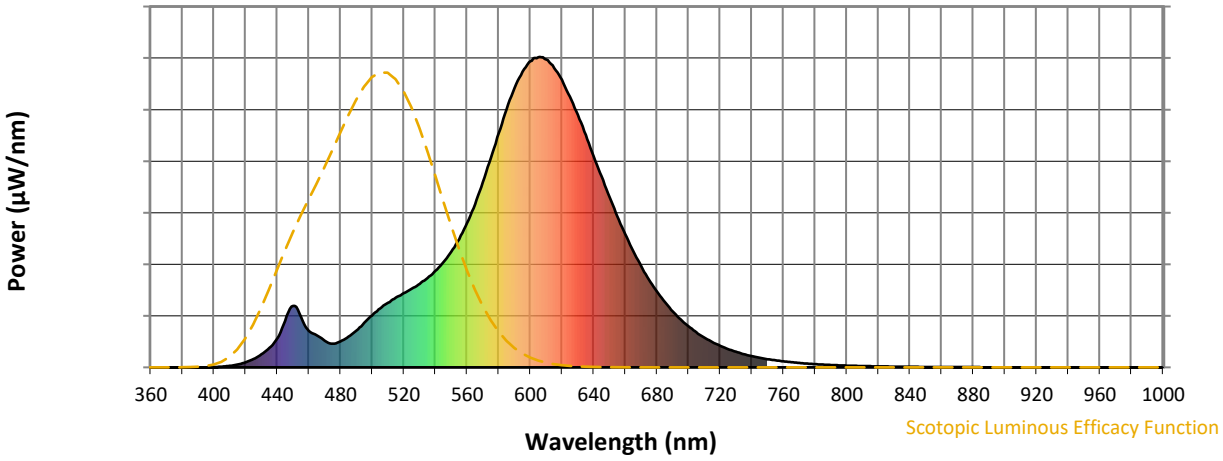


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

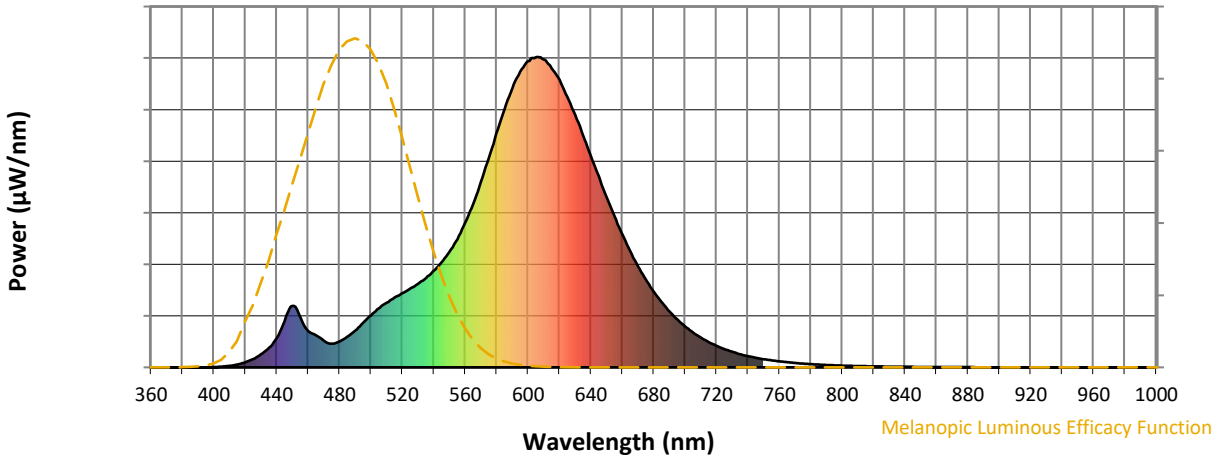


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

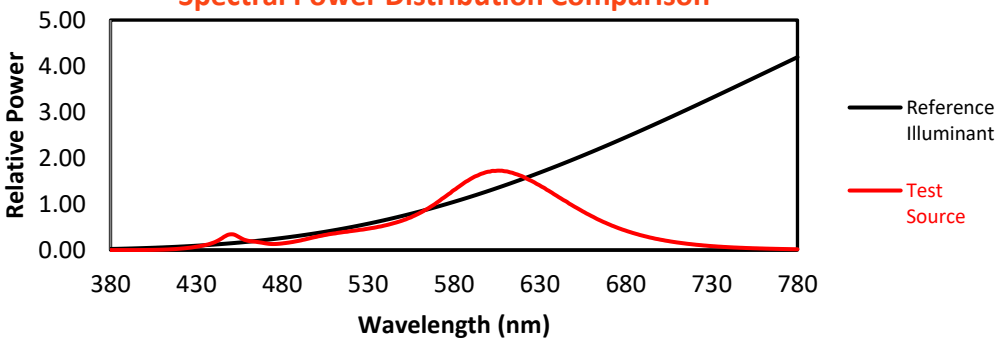
REPORT NUMBER: SP1-2501-332-2

TM-30-18

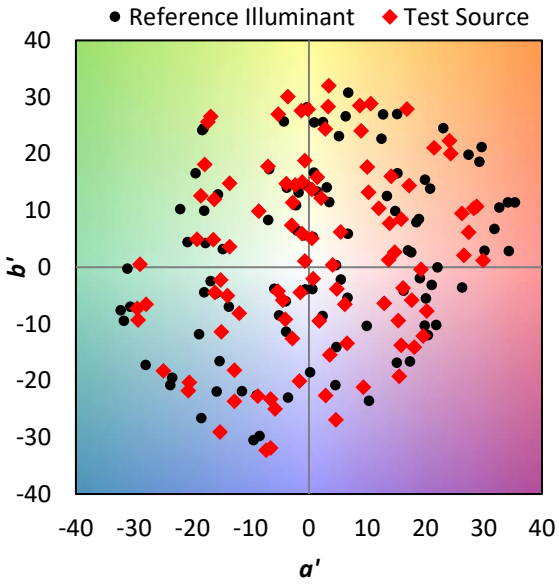
Summary

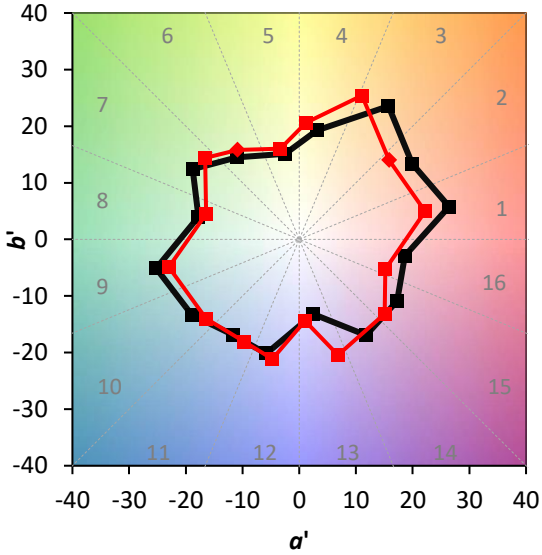
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

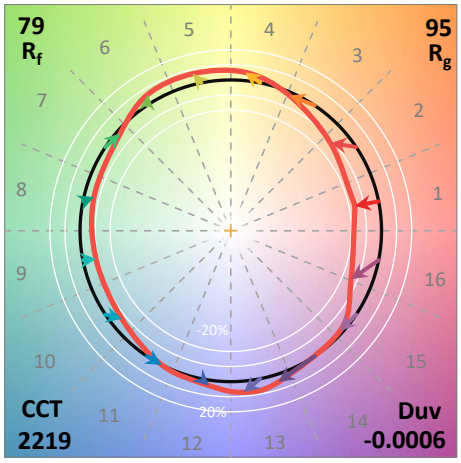
Spectral Power Distribution Comparison

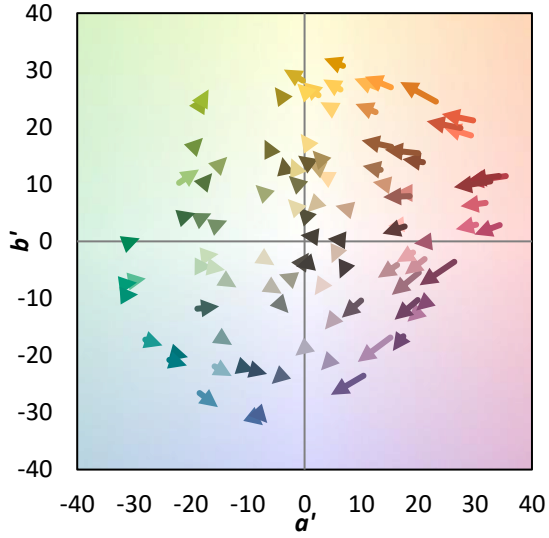


Color Vector Graphics







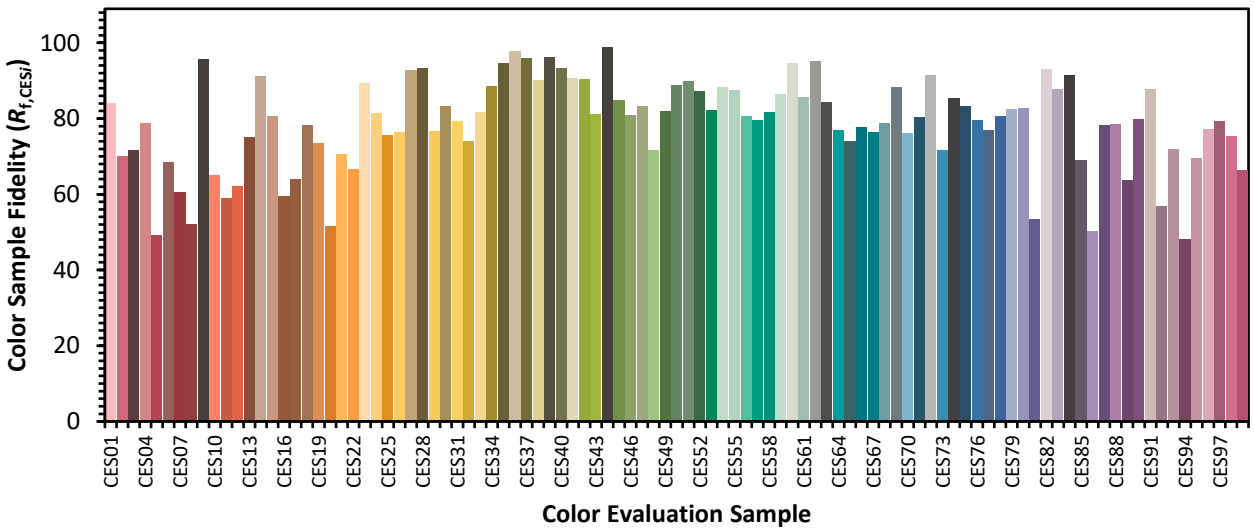


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

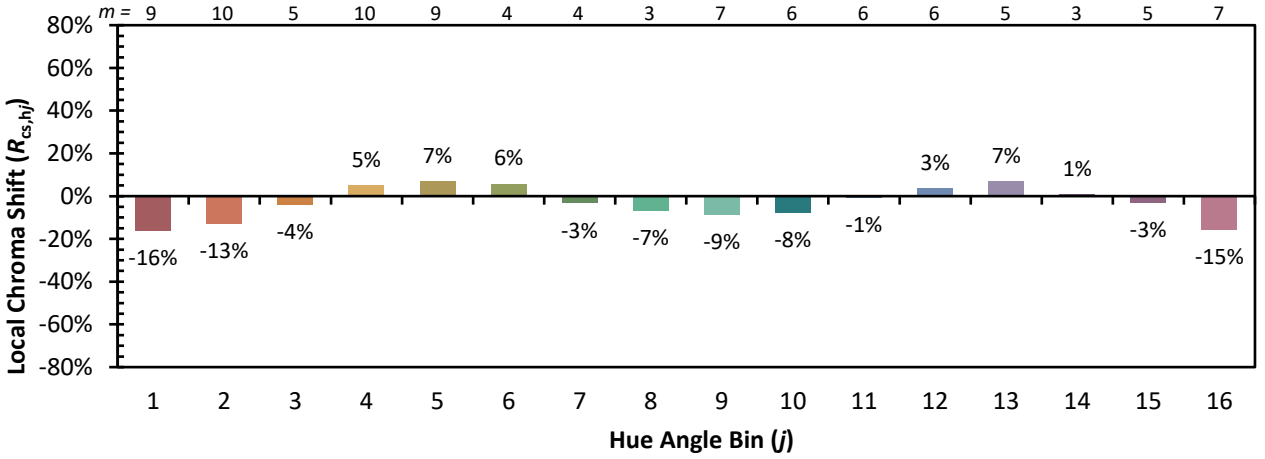
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

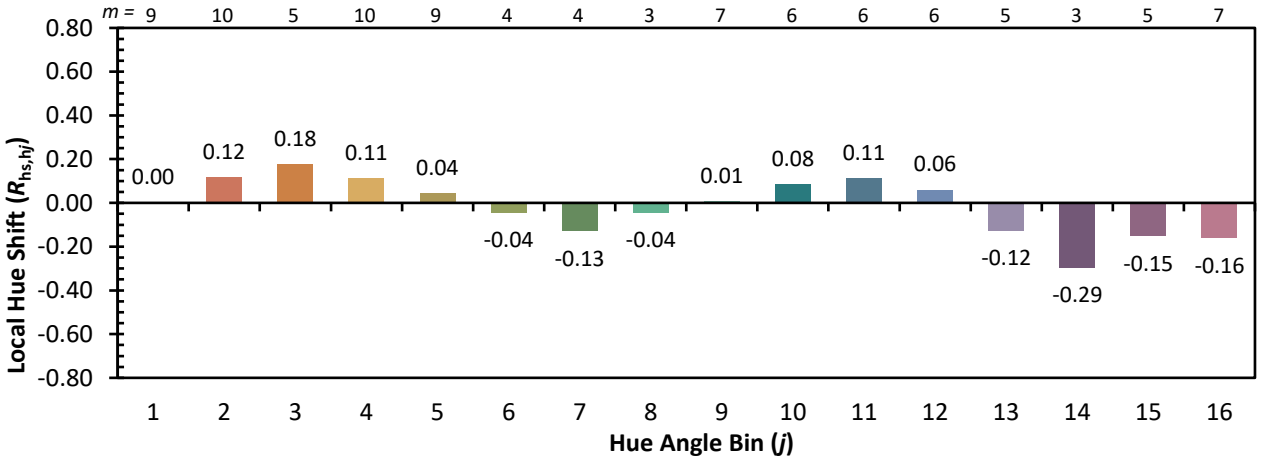


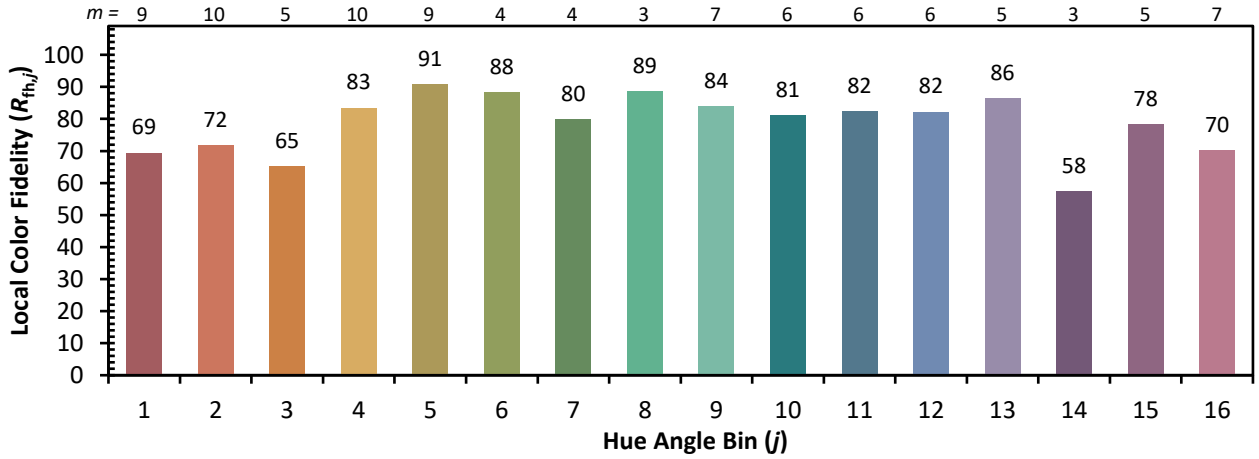
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



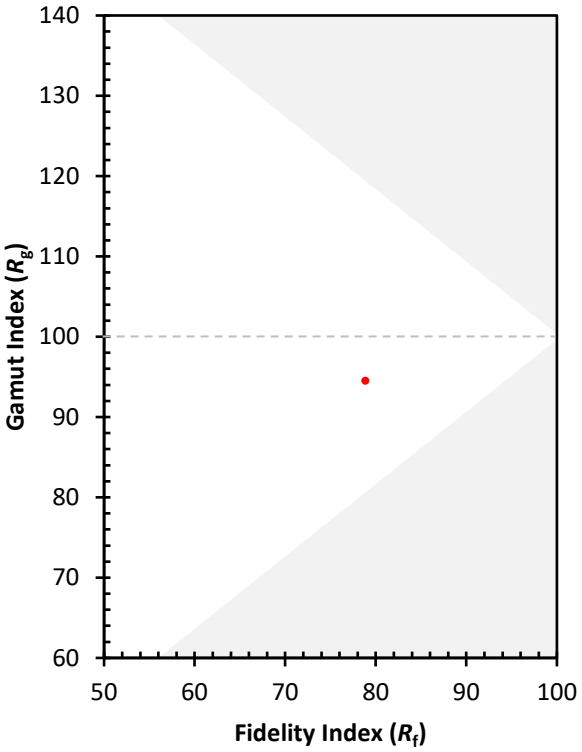


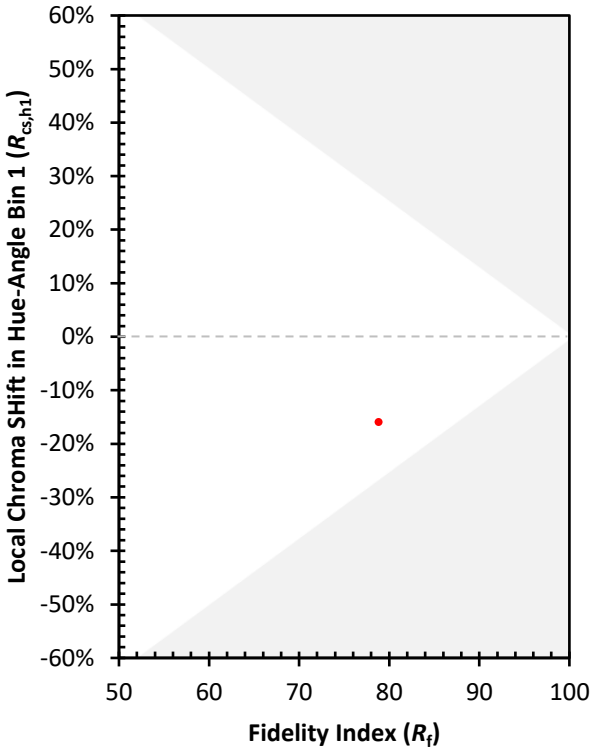


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Measure Comparisons





(END OF REPORT)