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: P1223994

Luminaire Tested: **FFX-CLB-20-730-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223994
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-730-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3108.9 lumens
Efficiency:	N/A
Efficacy:	157.0 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

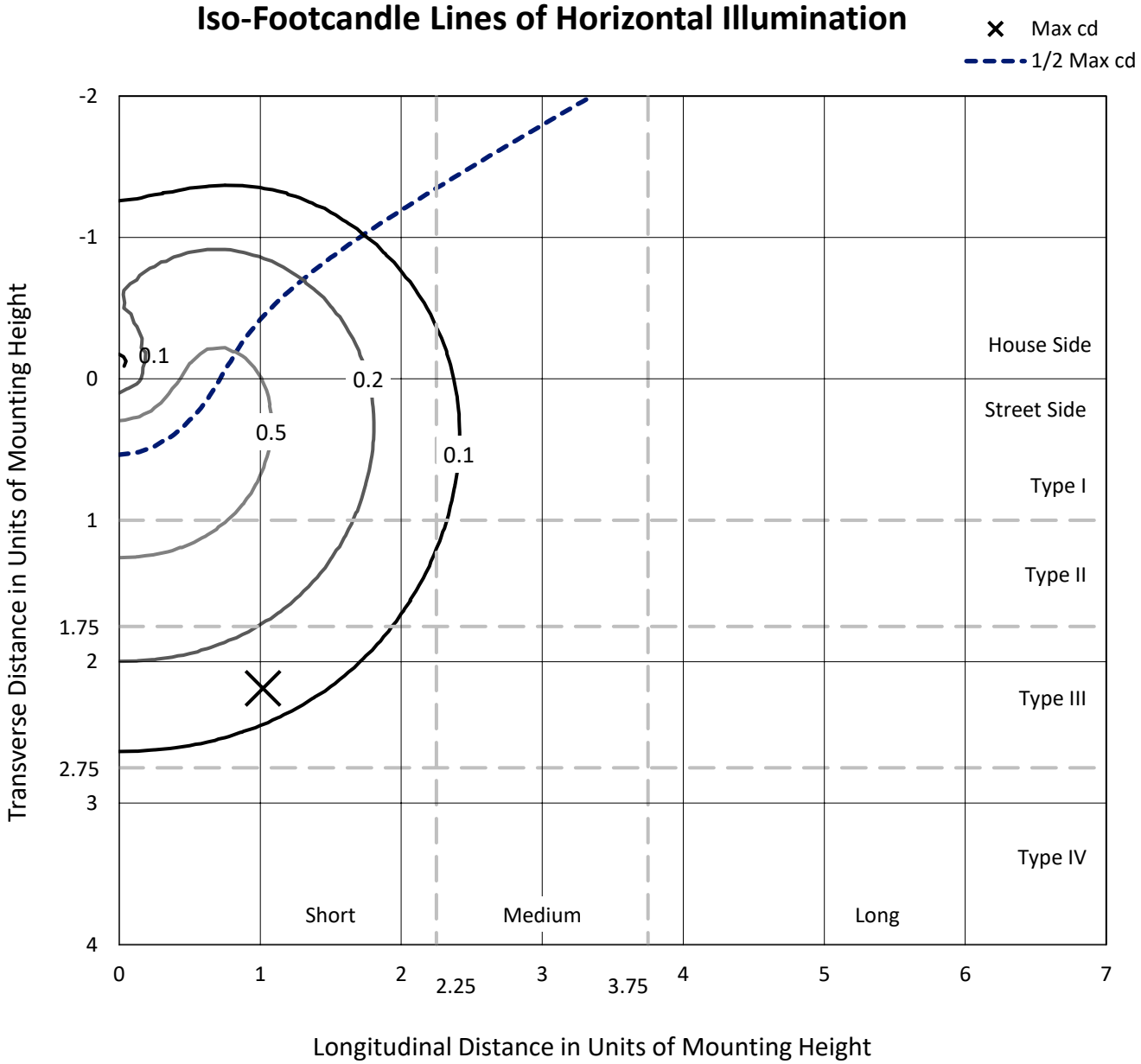


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Iso-Footcandle Lines of Horizontal Illumination



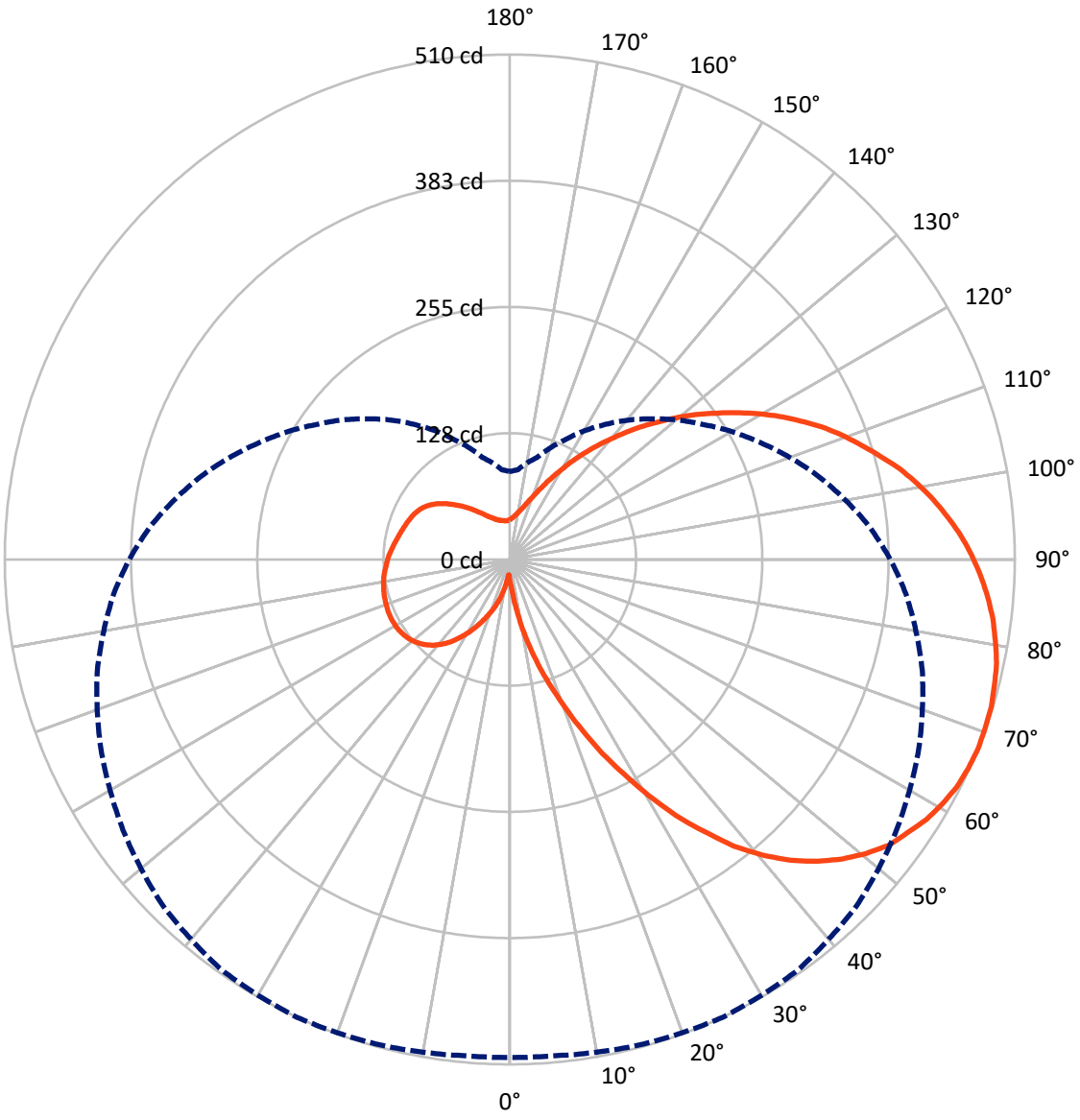
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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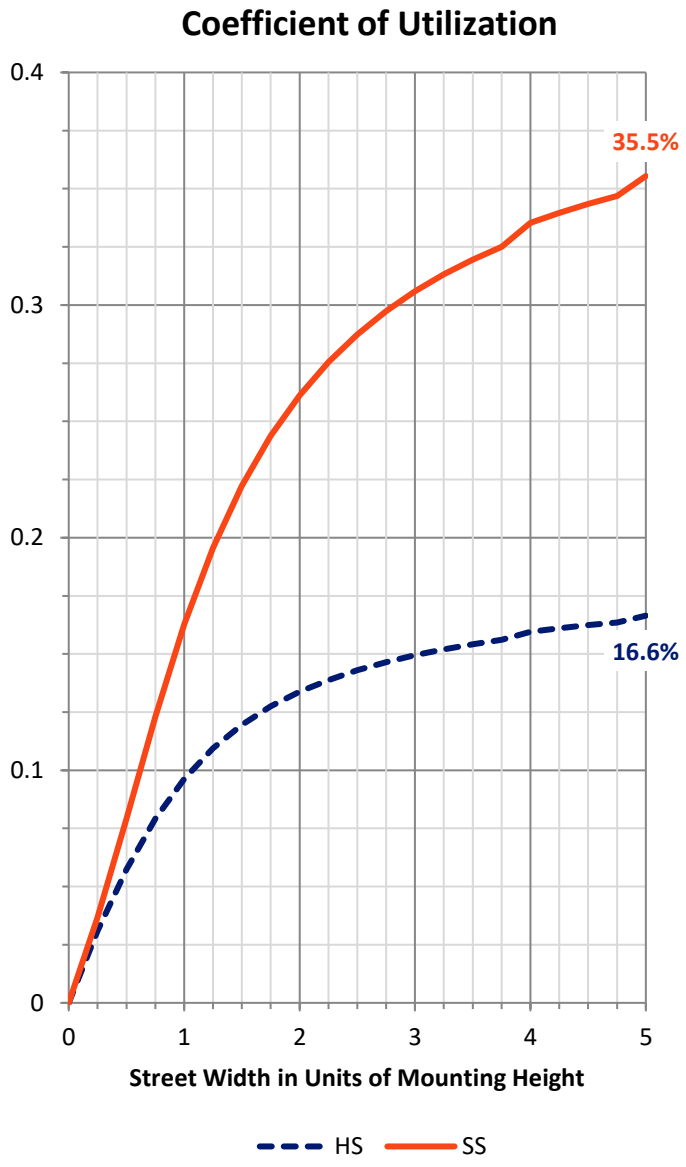
REPORT NUMBER: P1223994
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.4	435.2	1004.6
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1258.1	846.3	2104.4
	% Fixture	40.5	27.2	67.7
Total	Lumens	1827.4	1281.5	3108.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	23.7	0.8
20°-30°	70.8	2.3
30°-40°	145.7	4.7
40°-50°	227.6	7.3
50°-60°	294.7	9.5
60°-70°	339.9	10.9
70°-80°	361.6	11.6
80°-90°	360.0	11.6
90°-100°	335.9	10.8
100°-110°	293.6	9.4
110°-120°	240.4	7.7
120°-130°	178.8	5.8
130°-140°	116.3	3.7
140°-150°	65.9	2.1
150°-160°	32.5	1.0
160°-170°	14.2	0.5
170°-180°	4.0	0.1
0°-90°	1827.4	58.8
0°-180°	3108.9	100.0



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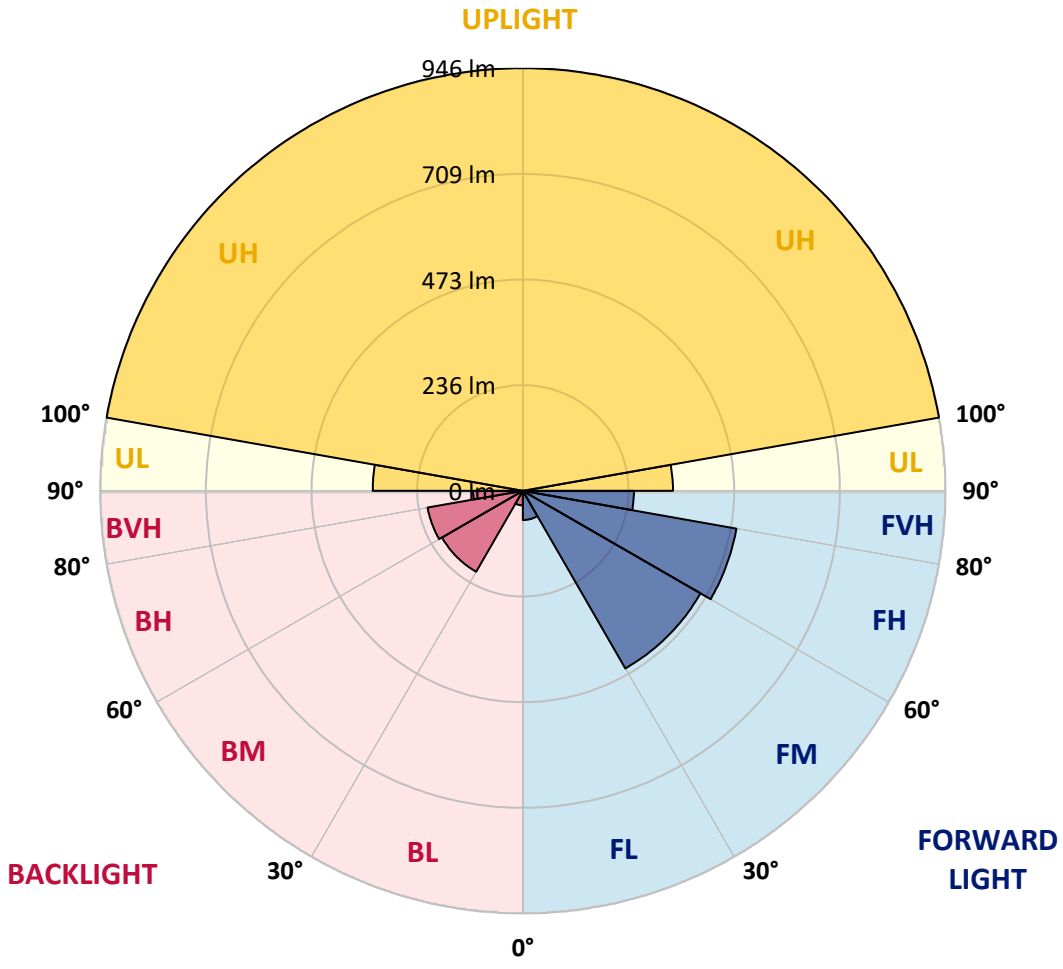
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	65.3	2.1			
FM	(30°-60°)	459.0	14.8			
FH	(60°-80°)	485.2	15.6			G0/660
FVH	(80°-90°)	248.5	8.0			G3/500
BL	(0°-30°)	32.6	1.0	B0/110		
BM	(30°-60°)	209.0	6.7	B0/220		
BH	(60°-80°)	216.3	7.0	B1/500		G1/500
BVH	(80°-90°)	111.5	3.6			G2/225
UL	(90°-100°)	335.9	10.8		U3/500	
UH	(100°-180°)	945.6	30.4		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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	26.8	26.8	27.0	27.0	26.6	26.8	26.4	25.9	25.5	24.5	24.1
5°	39.1	38.5	38.7	38.3	37.5	37.1	35.5	34.3	32.4	30.2	29.2
7.5°	54.3	54.5	53.7	52.7	52.5	50.3	49.9	46.2	44.6	40.9	39.9
10°	73.0	72.6	71.8	71.6	69.9	67.7	64.3	62.4	57.2	54.5	52.3
12.5°	93.5	93.7	92.4	91.0	89.4	86.4	81.9	78.7	74.6	68.9	66.1
15°	115.6	114.9	114.9	113.3	110.9	107.6	104.0	99.5	93.5	87.4	83.5
17.5°	136.2	137.8	137.2	135.2	133.0	128.9	125.1	118.8	112.3	105.6	100.7
20°	161.8	162.2	161.2	159.5	157.5	152.8	148.2	141.9	133.8	123.3	119.2
22.5°	187.7	188.5	188.5	187.5	184.7	180.6	173.3	166.4	156.3	145.8	138.9
25°	217.5	216.9	217.5	216.9	212.4	208.6	201.1	192.8	182.0	169.1	160.8
27.5°	247.5	248.3	246.7	245.3	243.5	237.6	229.5	219.1	205.4	192.0	183.1
30°	276.7	278.5	278.5	276.9	274.1	268.2	259.1	247.9	232.9	215.9	205.4
32.5°	307.3	307.9	308.7	308.5	305.3	299.6	289.5	274.3	257.5	238.8	228.5
35°	339.6	337.9	338.3	337.1	335.7	328.6	316.9	302.3	284.2	263.3	250.8
37.5°	366.5	365.7	366.3	367.3	363.5	356.2	342.8	325.8	305.9	284.0	271.6
40°	391.9	391.4	392.3	392.5	388.8	380.3	366.1	349.7	328.2	302.9	291.3
42.5°	413.3	413.3	414.2	415.4	411.5	402.4	388.0	368.5	346.4	320.9	306.7
45°	433.0	432.4	434.4	435.0	431.0	421.9	405.8	386.0	362.3	336.5	321.7
47.5°	448.8	449.0	451.0	452.1	448.6	438.3	421.9	401.0	376.4	349.3	334.1
50°	461.8	463.6	465.4	466.7	463.0	452.7	435.8	413.1	388.4	361.2	345.4
52.5°	474.8	474.8	477.6	479.4	475.2	464.6	446.8	424.7	399.4	370.6	355.2
55°	483.1	483.3	486.7	487.3	484.7	473.6	455.5	433.4	408.1	379.1	362.7
57.5°	490.4	490.6	494.4	495.8	492.2	481.5	463.0	440.1	415.4	385.8	369.2
60°	496.7	496.5	499.7	501.7	498.1	486.9	468.7	446.4	421.2	391.9	374.8
62.5°	500.7	500.7	504.4	506.4	502.7	491.6	473.1	451.0	425.7	396.1	379.1
65°	502.5	502.9	506.4	508.8	505.2	494.0	475.4	453.7	428.8	399.4	382.3
67.5°	503.1	503.3	507.6	510.0	506.6	495.2	476.8	455.5	431.2	401.6	384.2
70°	503.4	503.6	507.0	509.4	506.4	495.0	477.2	456.3	432.6	402.8	385.4
72.5°	501.3	501.9	505.6	508.4	504.8	493.6	476.2	456.3	432.4	403.6	385.8
75°	498.5	499.9	503.3	505.6	502.5	491.6	474.6	455.5	432.2	403.2	385.8
77.5°	495.8	495.9	500.3	502.5	499.1	488.1	471.9	453.5	431.0	402.0	384.4
80°	490.2	491.4	495.2	497.1	494.2	483.7	467.9	450.8	428.8	400.0	382.3
82.5°	486.3	485.9	489.6	491.4	488.4	477.6	463.4	446.4	425.7	396.7	379.3
85°	478.8	479.6	482.5	484.1	480.8	470.9	457.3	442.1	421.3	392.9	375.4
87.5°	471.7	472.1	474.0	475.8	472.5	463.0	450.4	436.0	416.0	388.2	371.0
90°	462.8	463.0	465.2	466.5	463.6	454.7	443.1	429.0	410.3	382.9	365.7
92.5°	454.5	454.1	455.7	456.3	453.7	445.0	434.6	421.5	403.4	376.4	359.8
95°	443.6	443.5	444.8	444.4	441.7	434.2	424.7	413.3	395.3	369.4	353.1
97.5°	431.6	431.8	432.6	432.2	429.2	422.3	415.0	403.6	387.0	361.4	345.6
100°	418.2	418.8	420.0	418.8	416.2	411.1	403.4	393.9	377.5	353.3	337.7
102.5°	406.9	405.4	405.0	404.8	402.2	397.7	391.7	383.5	368.3	344.4	329.4
105°	392.1	391.2	391.0	388.8	387.8	384.0	379.1	371.6	358.0	335.5	320.9
107.5°	376.5	376.7	376.0	373.4	372.0	369.4	366.7	360.0	346.9	325.6	312.2
110°	362.5	361.6	359.4	358.2	357.2	355.0	353.3	348.1	336.1	316.2	302.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	345.2	345.8	343.2	*342.4*	340.8	340.6	339.4	335.3	324.6	306.1	293.5
115°	329.6	329.2	326.6	*325.0*	324.4	324.8	325.6	322.7	312.8	295.2	283.6
117.5°	312.4	311.2	309.4	*307.9*	307.1	308.7	310.4	309.1	300.8	284.2	273.1
120°	294.1	294.3	291.7	*290.1*	290.3	292.9	295.2	294.5	286.6	271.8	261.9
122.5°	276.9	275.9	273.7	*272.1*	273.5	276.3	279.1	278.9	272.0	257.5	248.7
125°	258.1	257.9	255.8	*254.2*	255.4	258.5	261.9	262.3	255.8	243.7	234.9
127.5°	240.4	239.8	239.4	*237.6*	238.4	242.7	245.1	244.9	239.2	228.1	220.4
130°	223.4	223.2	220.8	*220.0*	221.0	224.6	227.0	226.6	222.0	212.4	205.4
132.5°	206.2	205.4	204.5	*203.3*	204.1	207.0	210.2	209.8	204.5	195.2	189.7
135°	189.3	188.7	187.9	*187.1*	187.7	190.6	193.4	192.6	188.1	179.8	174.3
137.5°	173.7	173.1	172.1	*171.1*	171.9	174.3	176.0	175.4	171.7	163.8	158.5
140°	157.5	157.9	156.7	*155.9*	156.3	158.7	160.1	159.3	155.1	148.6	144.3
142.5°	142.7	142.7	142.1	*141.9*	142.5	143.7	144.9	143.3	140.5	133.8	130.3
145°	128.5	128.7	128.5	*128.1*	128.3	129.7	129.9	129.3	126.1	121.2	117.2
147.5°	115.1	115.6	115.3	*115.3*	115.5	116.0	116.8	115.5	112.7	108.3	105.6
150°	102.6	103.0	103.0	*102.6*	102.6	103.4	103.4	102.4	100.3	96.7	94.1
152.5°	91.8	92.0	92.0	*91.6*	91.8	92.0	91.6	90.4	88.6	85.8	83.9
155°	81.9	82.3	81.7	*81.9*	81.3	81.5	81.3	80.5	78.5	76.2	75.0
157.5°	73.0	73.6	73.2	*73.2*	72.8	72.6	72.4	71.6	70.3	68.3	66.9
160°	65.9	66.3	65.7	*65.7*	65.3	65.3	64.5	64.1	62.8	61.0	60.2
162.5°	59.8	59.8	59.6	*59.8*	59.6	59.0	58.6	57.8	56.6	55.3	54.7
165°	54.9	54.7	54.7	*54.5*	54.3	53.9	53.3	52.9	51.7	50.5	50.1
167.5°	51.1	50.9	50.7	*50.5*	50.1	49.9	49.3	48.9	48.0	47.0	46.6
170°	48.0	48.0	47.6	*47.4*	47.2	46.8	46.2	45.6	44.8	44.2	43.8
172.5°	45.2	45.2	45.0	*44.8*	44.6	44.2	43.6	43.2	42.6	42.0	41.6
175°	43.2	43.2	43.0	*42.6*	42.4	42.0	41.6	41.2	40.7	40.3	40.1
177.5°	41.6	41.6	41.6	*41.2*	41.0	40.7	40.3	39.9	39.7	39.3	39.3
180°	39.7	39.7	39.7	*39.7*	39.7	39.7	39.7	39.7	39.7	39.7	39.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	23.5	22.3	21.3	19.7	18.4	17.2	16.4	15.8	15.4	15.0
5°	28.0	25.9	23.7	21.3	19.1	17.2	15.6	14.4	13.8	13.8
7.5°	38.3	34.9	31.2	27.8	25.3	22.7	20.3	18.9	18.2	17.8
10°	50.1	45.2	41.4	37.3	32.8	29.6	26.8	25.1	24.1	24.3
12.5°	64.3	58.2	53.5	47.4	42.4	37.5	34.5	32.0	30.8	30.6
15°	80.1	73.0	66.1	58.8	52.3	46.6	42.2	38.9	36.9	36.7
17.5°	96.7	87.8	78.5	70.3	61.8	54.7	48.7	44.8	42.6	42.6
20°	113.5	103.4	92.6	81.7	71.4	62.8	55.9	50.7	48.0	47.6
22.5°	132.8	120.0	107.0	93.7	82.1	71.2	62.4	56.2	53.3	52.7
25°	153.9	138.7	123.1	107.6	93.2	80.1	69.9	63.0	58.8	58.2
27.5°	175.8	157.5	139.1	121.0	104.2	89.8	77.4	68.5	64.3	63.7
30°	197.4	177.2	155.9	134.6	115.6	99.1	84.9	74.6	69.5	68.7
32.5°	218.5	195.6	172.1	148.4	127.7	108.3	91.8	80.7	74.4	73.6
35°	238.6	214.9	187.5	162.0	138.3	117.6	99.1	86.2	79.1	78.3
37.5°	258.3	231.5	202.7	174.7	149.0	125.5	105.8	91.4	83.5	82.7
40°	277.1	247.3	215.9	186.3	158.3	133.4	111.5	95.9	87.0	86.0
42.5°	291.5	260.9	228.1	196.2	166.4	139.3	116.6	99.5	89.8	88.4
45°	305.9	273.1	238.6	204.9	173.5	145.1	120.8	102.6	92.4	90.8
47.5°	317.7	283.6	247.1	212.0	179.4	150.0	124.3	104.8	93.9	92.4
50°	329.0	292.9	255.0	218.5	184.7	154.3	127.3	106.6	94.9	93.3
52.5°	337.7	300.6	261.3	223.6	189.1	157.5	129.7	107.8	95.5	93.7
55°	345.0	306.9	266.4	227.5	192.4	160.3	131.4	108.3	95.5	93.7
57.5°	351.1	311.8	270.6	231.1	195.0	162.0	132.6	108.5	94.9	93.2
60°	356.4	316.4	273.9	233.9	197.4	163.8	133.4	108.5	94.3	92.4
62.5°	360.8	319.5	276.5	236.0	199.1	165.2	133.8	108.1	93.2	91.2
65°	363.3	321.7	278.1	237.2	200.1	165.6	133.8	107.6	92.0	90.0
67.5°	*365.5*	*323.1*	*279.1*	*237.8*	*200.7*	*166.0*	*133.6*	*106.6*	*90.8*	*88.8*
70°	366.5	323.7	279.5	238.2	201.1	165.8	133.0	105.8	89.6	87.2
72.5°	366.7	323.9	279.3	238.2	201.1	165.8	132.4	104.6	88.2	86.0
75°	366.3	323.3	278.7	238.0	200.9	165.2	131.8	103.6	87.0	84.7
77.5°	365.1	322.1	277.7	237.2	199.9	164.6	130.6	102.4	85.7	83.5
80°	363.1	320.1	276.1	235.8	198.7	163.4	129.7	101.2	84.5	82.3
82.5°	360.2	317.5	274.1	234.1	197.6	162.0	128.5	100.1	83.3	81.1
85°	356.6	314.4	271.2	231.9	195.8	160.4	126.9	98.7	82.1	79.9
87.5°	351.7	310.4	268.0	229.3	193.4	158.5	125.1	97.5	81.1	78.9
90°	346.9	306.1	264.7	226.6	191.2	156.7	123.5	96.1	80.3	78.2
92.5°	341.4	301.0	260.5	223.4	188.3	154.3	122.0	94.9	79.5	77.6
95°	335.1	295.4	256.2	219.7	185.5	152.0	120.0	93.7	78.7	77.0
97.5°	328.0	289.5	251.4	215.7	182.2	149.4	118.2	92.8	78.3	76.4
100°	320.7	282.8	246.3	211.8	178.8	146.6	116.4	91.8	78.2	76.4
102.5°	312.4	276.7	241.2	207.8	175.4	144.1	114.7	91.2	78.2	76.4
105°	304.5	269.6	235.6	203.5	172.1	141.5	113.1	90.8	78.3	76.8
107.5°	296.0	262.9	230.1	198.9	168.3	138.9	111.7	90.4	78.7	77.2
110°	288.1	256.4	225.0	194.6	165.0	136.6	110.3	90.2	79.1	77.8

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

Scaled Data Report

REPORT NUMBER: P1223994
CATALOG NUMBER: FFX-CLB-20-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	279.5	249.3	219.3	189.9	161.4	133.8	108.9	89.8	79.5	78.3
115°	270.4	241.8	213.5	185.1	157.3	131.2	107.6	89.6	79.9	78.7
117.5°	260.5	233.7	206.6	179.6	152.9	128.1	105.6	88.8	79.9	78.7
120°	249.8	225.2	199.1	173.7	148.0	124.3	103.6	87.8	79.5	78.5
122.5°	238.2	215.1	190.4	166.2	142.5	120.0	100.7	86.0	78.5	77.6
125°	225.4	203.9	181.6	158.1	135.6	115.1	97.1	84.1	77.0	76.2
127.5°	212.0	192.2	170.9	149.6	129.1	109.7	93.3	81.1	74.8	74.0
130°	197.0	179.2	159.9	140.1	121.4	103.6	88.8	77.8	72.0	71.2
132.5°	182.6	166.4	149.0	131.4	113.3	97.7	83.9	74.0	69.1	68.3
135°	167.6	153.3	137.8	121.2	105.8	91.2	78.9	70.3	65.7	65.1
137.5°	152.9	140.9	126.3	111.7	98.1	84.9	74.2	66.7	62.6	62.2
140°	139.3	128.1	115.8	103.0	90.4	78.9	69.7	62.8	59.4	58.8
142.5°	126.1	116.4	105.4	94.5	82.9	73.2	65.1	59.0	56.2	55.9
145°	113.7	105.6	95.9	86.0	76.2	67.7	60.8	55.7	53.3	53.1
147.5°	102.0	95.3	86.8	78.5	70.3	63.2	56.8	52.9	50.7	50.5
150°	91.4	85.3	78.5	71.4	64.5	58.2	53.5	49.9	48.2	48.0
152.5°	81.3	76.6	71.0	65.3	59.4	54.5	50.1	47.6	46.2	46.0
155°	72.6	68.9	64.3	59.4	54.9	50.9	47.6	45.6	44.4	44.4
157.5°	65.3	62.2	58.8	54.9	51.1	48.0	45.6	43.8	42.8	42.8
160°	59.0	56.2	53.7	50.7	48.2	45.6	43.8	42.4	41.6	41.6
162.5°	53.7	51.7	49.7	47.6	45.4	43.8	42.2	41.2	40.9	40.7
165°	49.3	48.2	46.6	45.0	43.6	42.2	41.2	40.7	40.3	40.3
167.5°	46.0	45.2	44.0	43.0	42.0	41.0	40.5	40.1	39.9	39.9
170°	43.4	42.8	42.0	41.4	40.9	40.3	39.9	39.7	39.5	39.5
172.5°	41.4	40.9	40.5	40.3	39.9	39.7	39.5	39.3	39.3	39.3
175°	40.1	39.7	39.7	39.5	39.3	39.3	39.1	39.1	39.1	39.3
177.5°	39.1	39.1	39.1	39.1	39.1	39.3	39.3	39.3	39.5	39.5
180°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

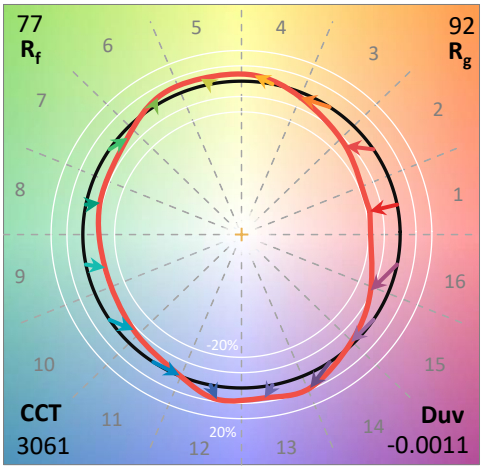
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

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

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



Test Conditions

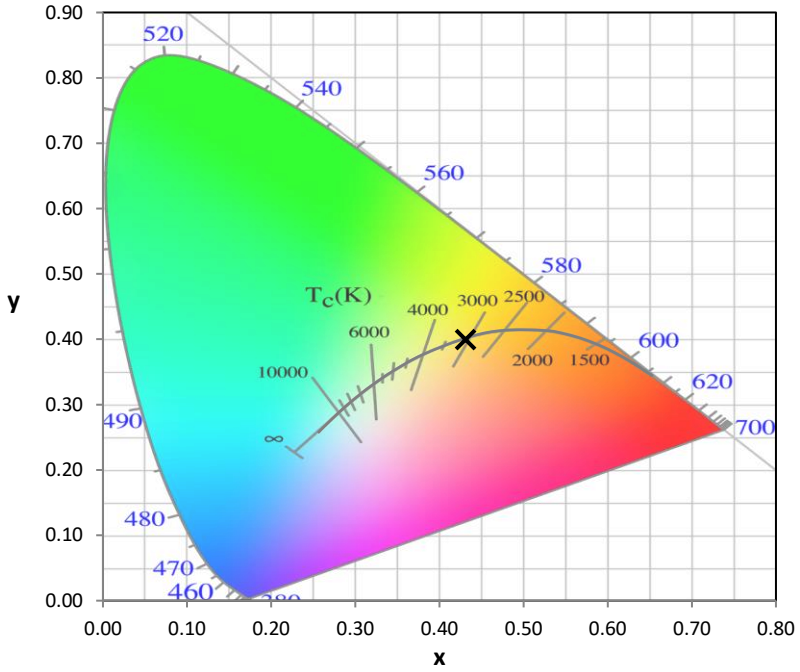
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

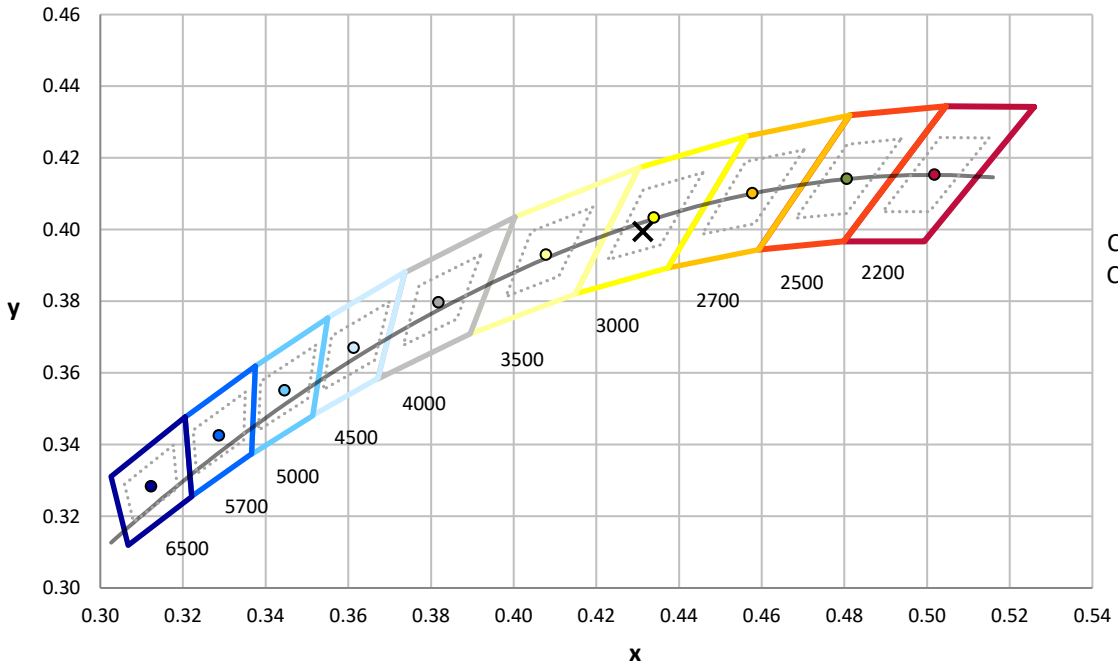
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

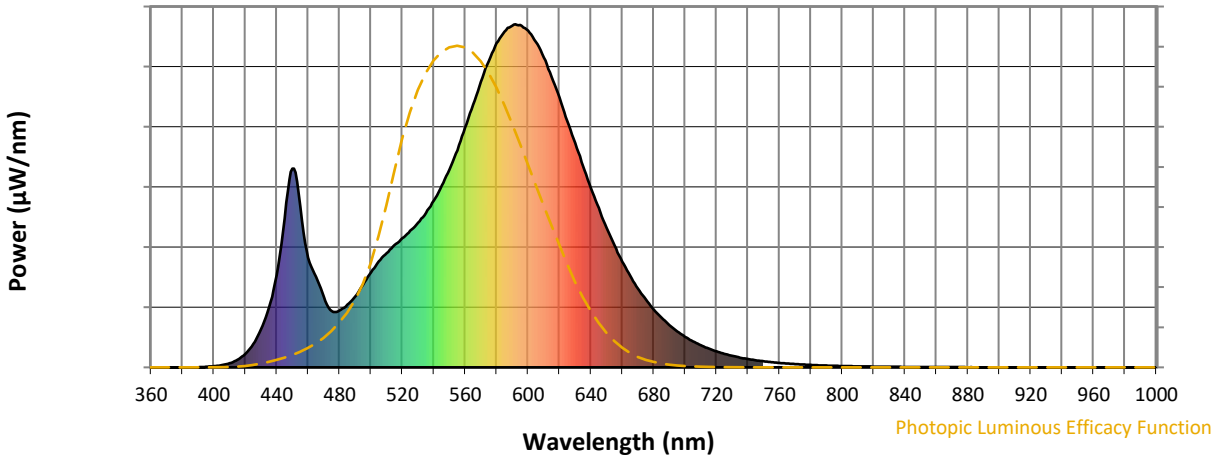


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

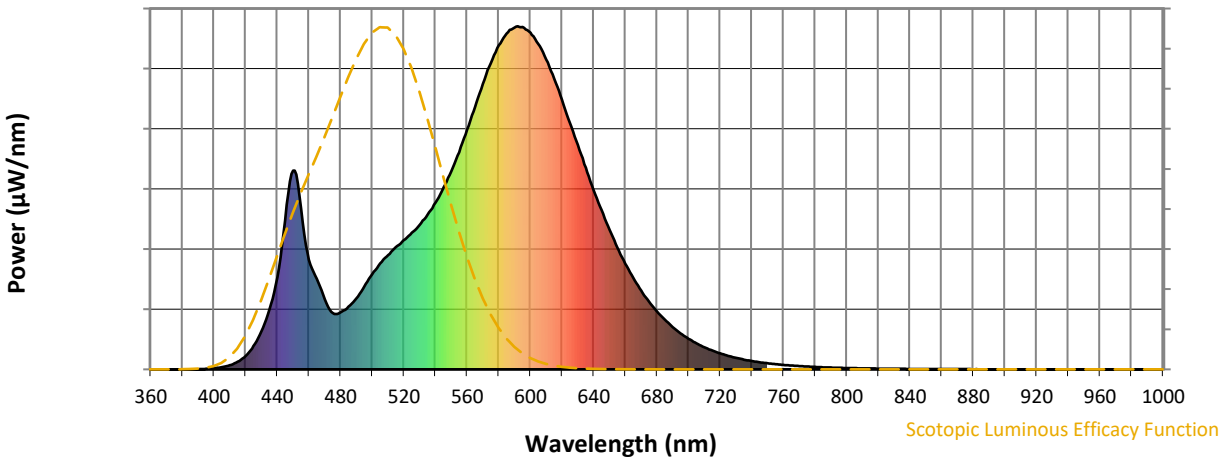


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

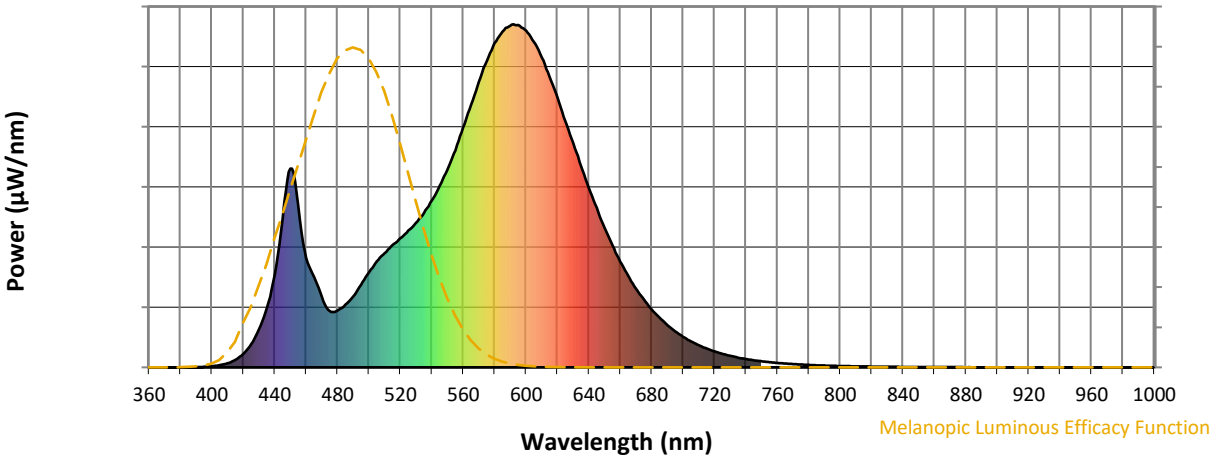


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

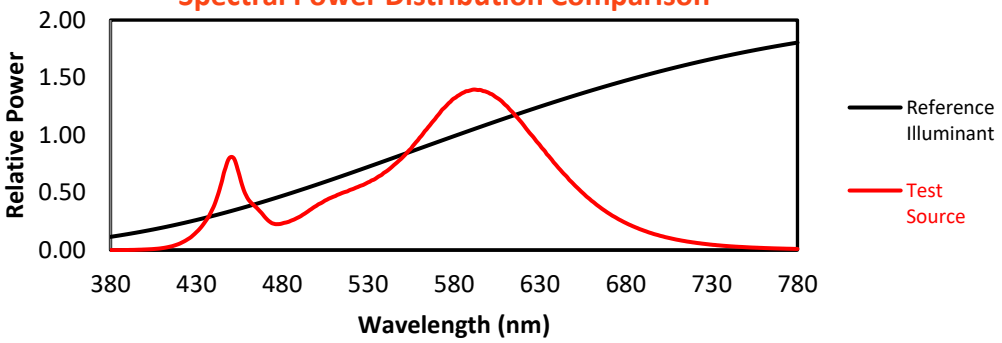
REPORT NUMBER: SP1-2501-332-4

TM-30-18

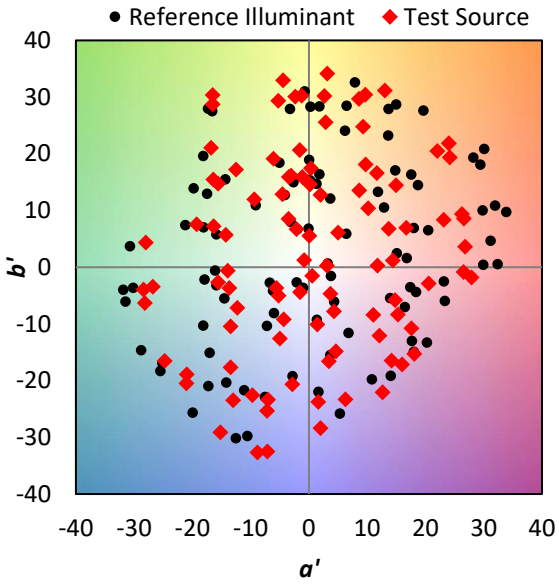
Summary

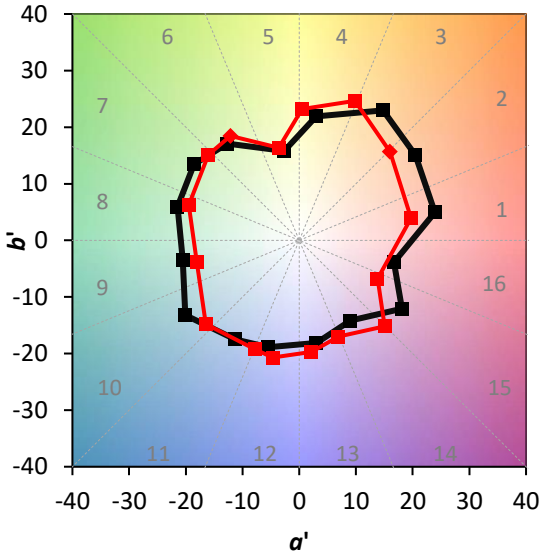
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

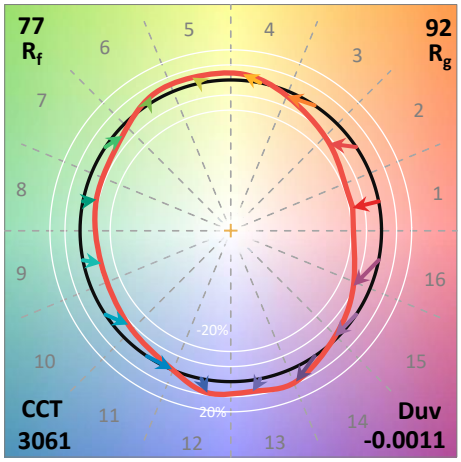
Spectral Power Distribution Comparison

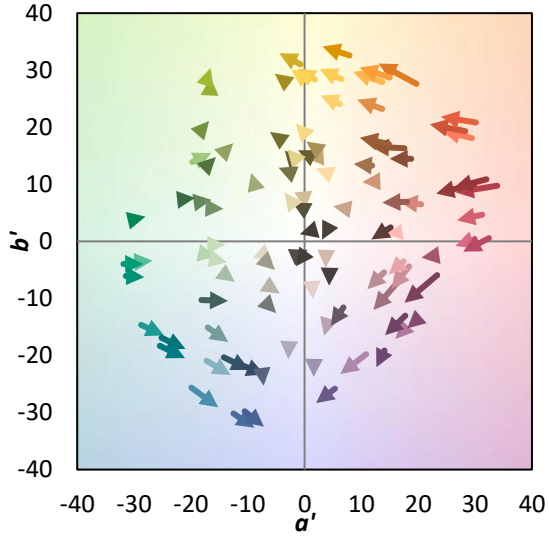


Color Vector Graphics







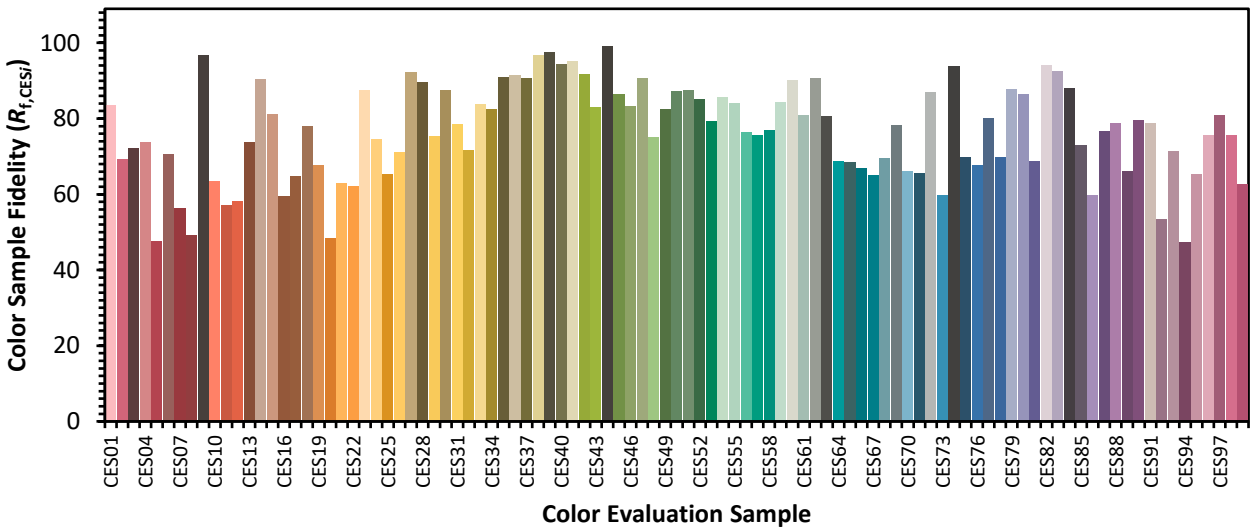


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

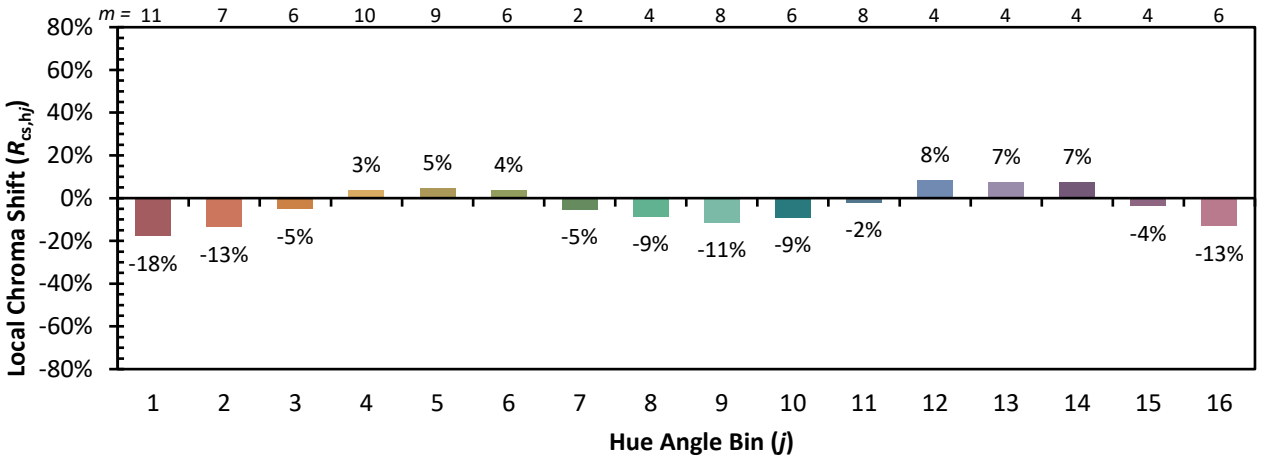
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

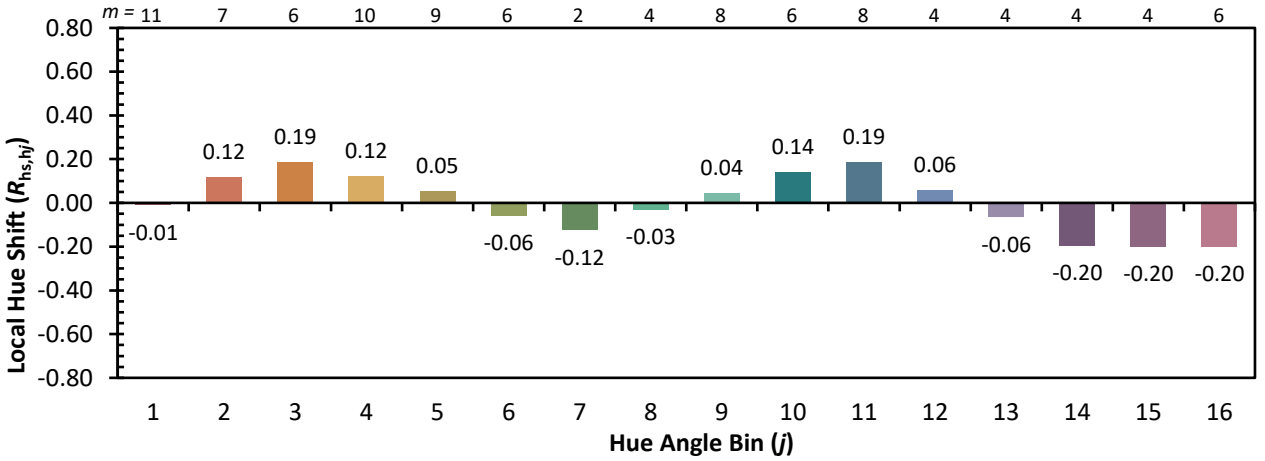


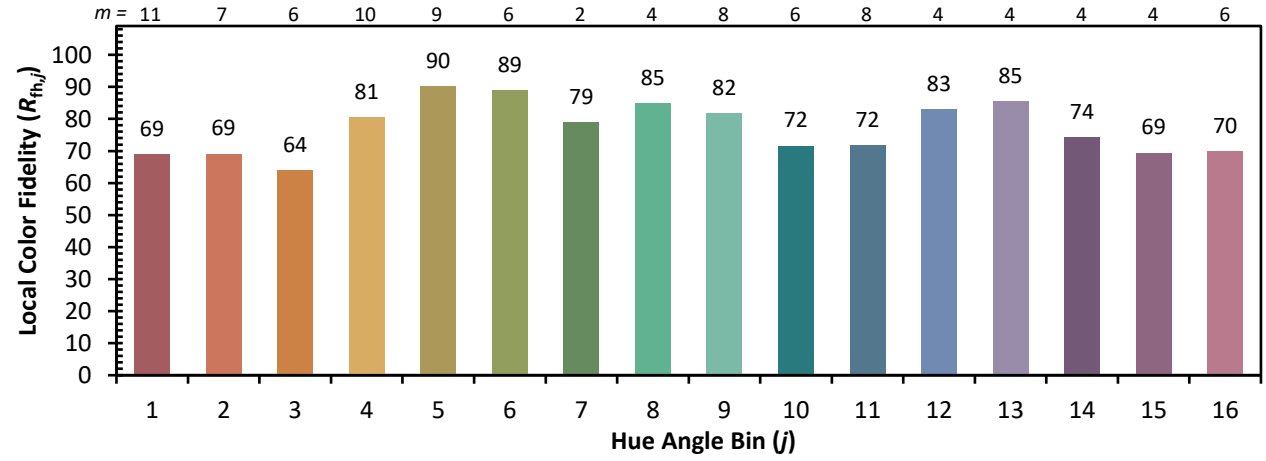
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



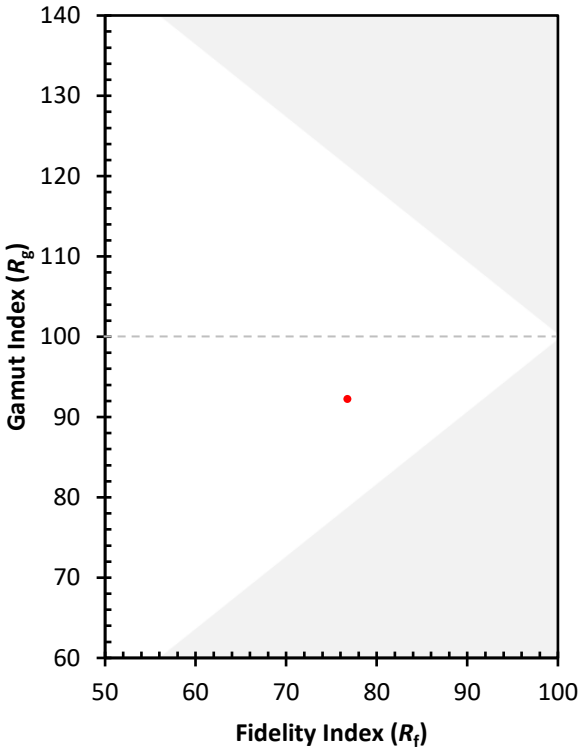


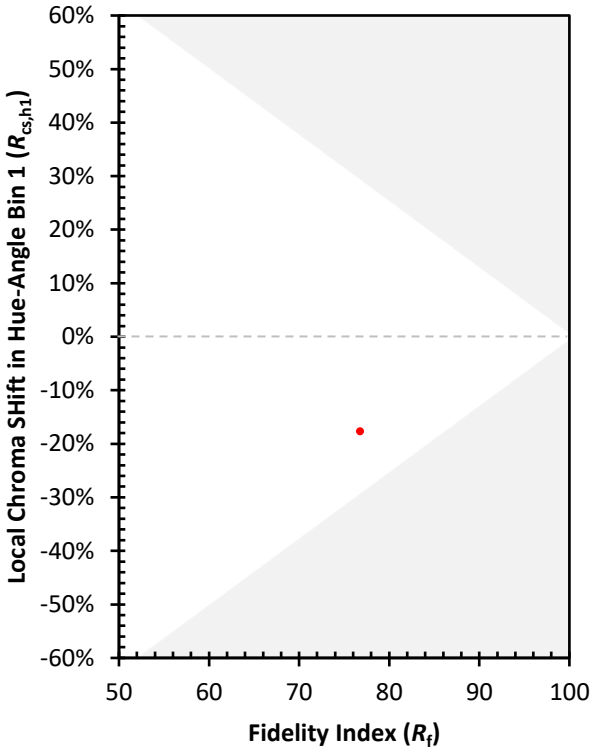


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Measure Comparisons





(END OF REPORT)