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: P1223993

Luminaire Tested: **FFX-CLB-30-730-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:	P1223993
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-730-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:	4684.3 lumens
Efficiency:	N/A
Efficacy:	153.1 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

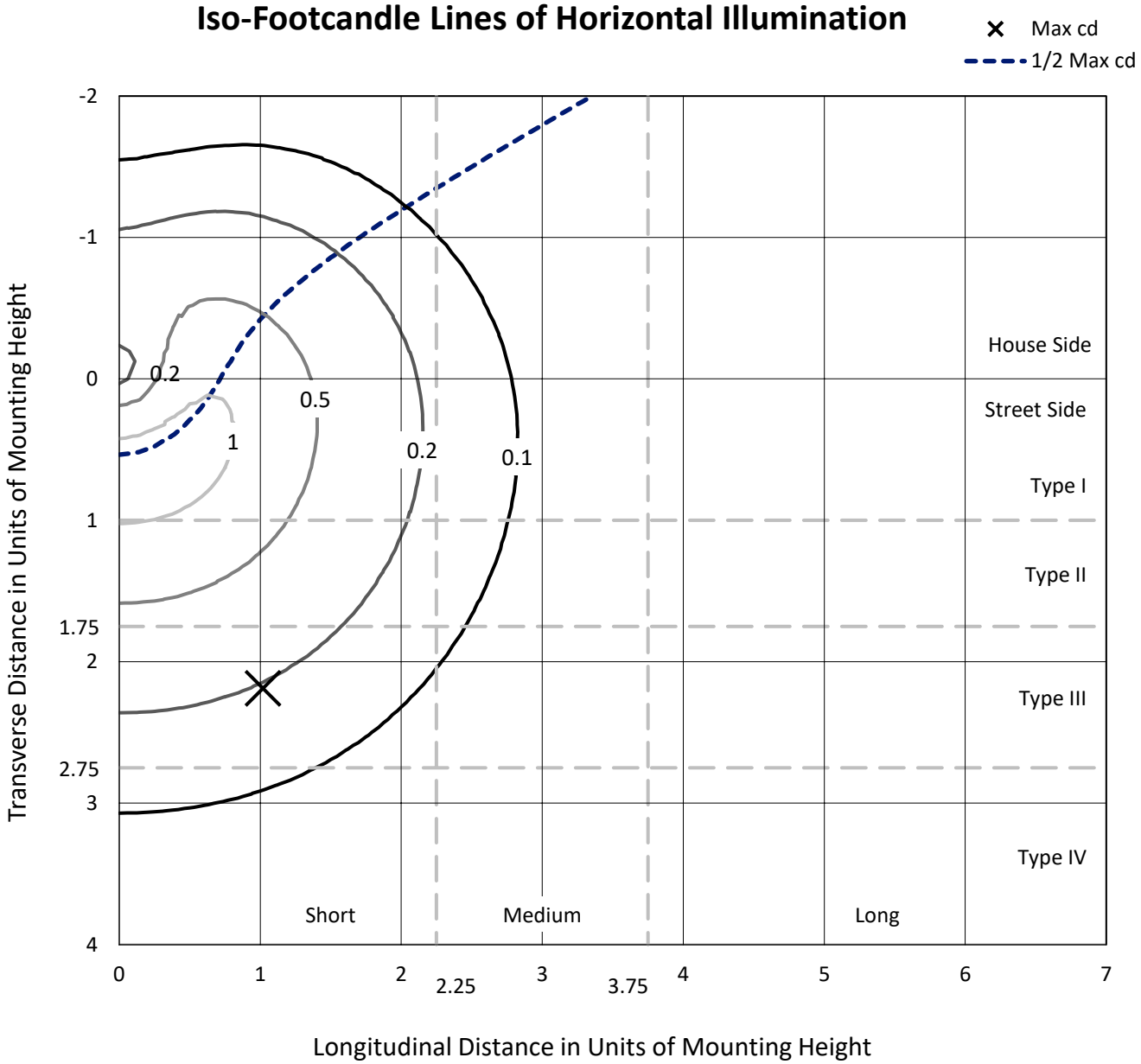


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Iso-Footcandle Lines of Horizontal Illumination



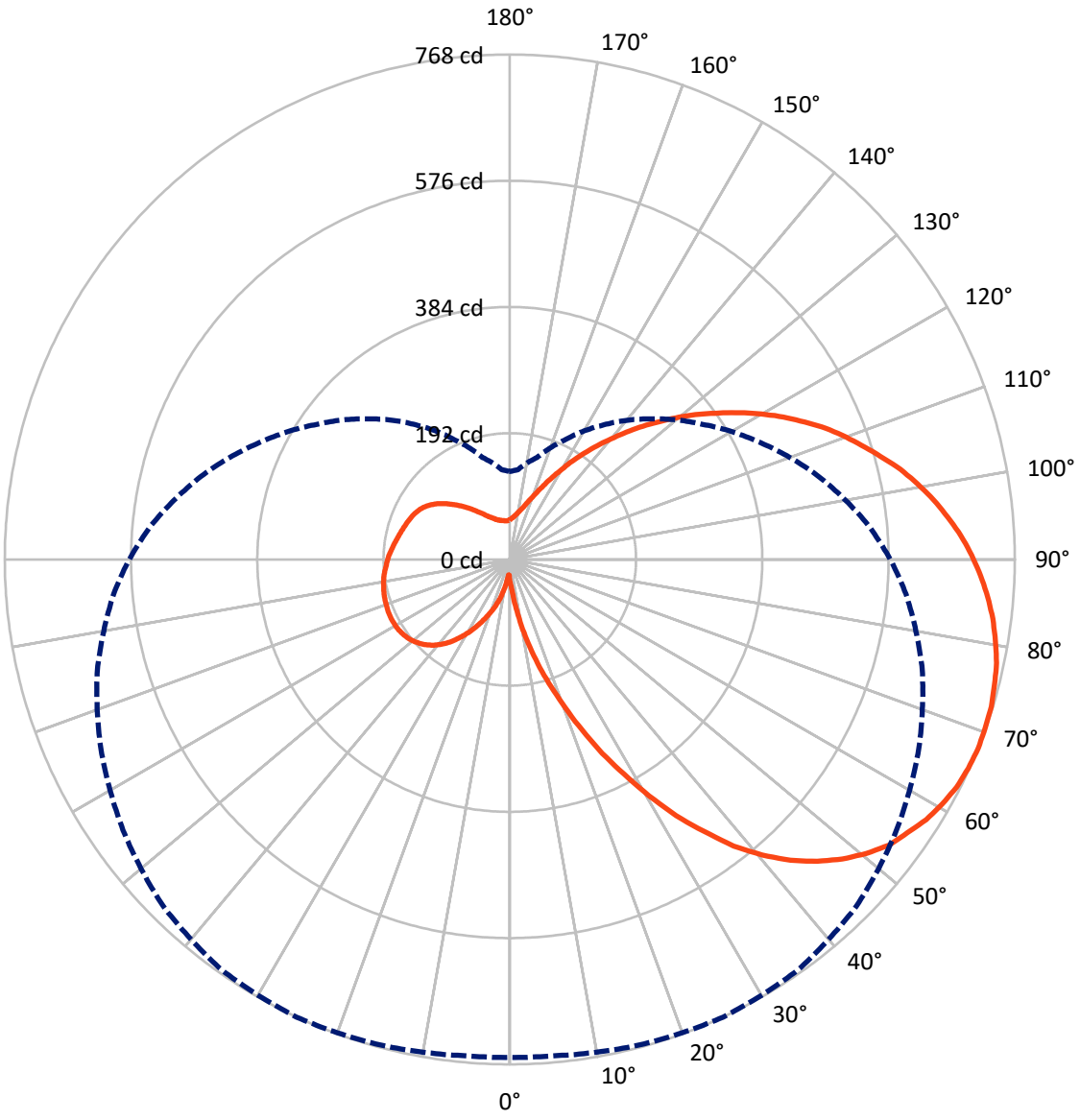
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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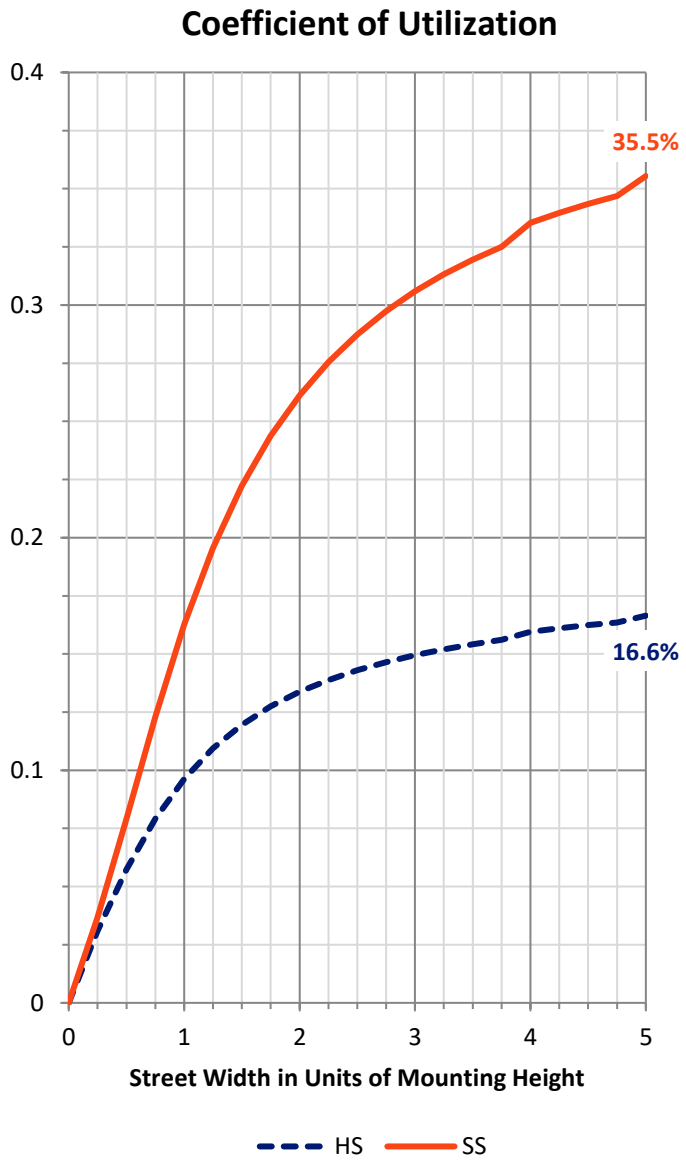
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.9	655.7	1513.6
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1895.5	1275.1	3170.7
	% Fixture	40.5	27.2	67.7
Total	Lumens	2753.4	1930.8	4684.3
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	35.6	0.8
20°-30°	106.7	2.3
30°-40°	219.6	4.7
40°-50°	342.9	7.3
50°-60°	444.1	9.5
60°-70°	512.1	10.9
70°-80°	544.8	11.6
80°-90°	542.5	11.6
90°-100°	506.1	10.8
100°-110°	442.4	9.4
110°-120°	362.3	7.7
120°-130°	269.4	5.8
130°-140°	175.2	3.7
140°-150°	99.3	2.1
150°-160°	48.9	1.0
160°-170°	21.4	0.5
170°-180°	6.0	0.1
0°-90°	2753.4	58.8
0°-180°	4684.3	100.0



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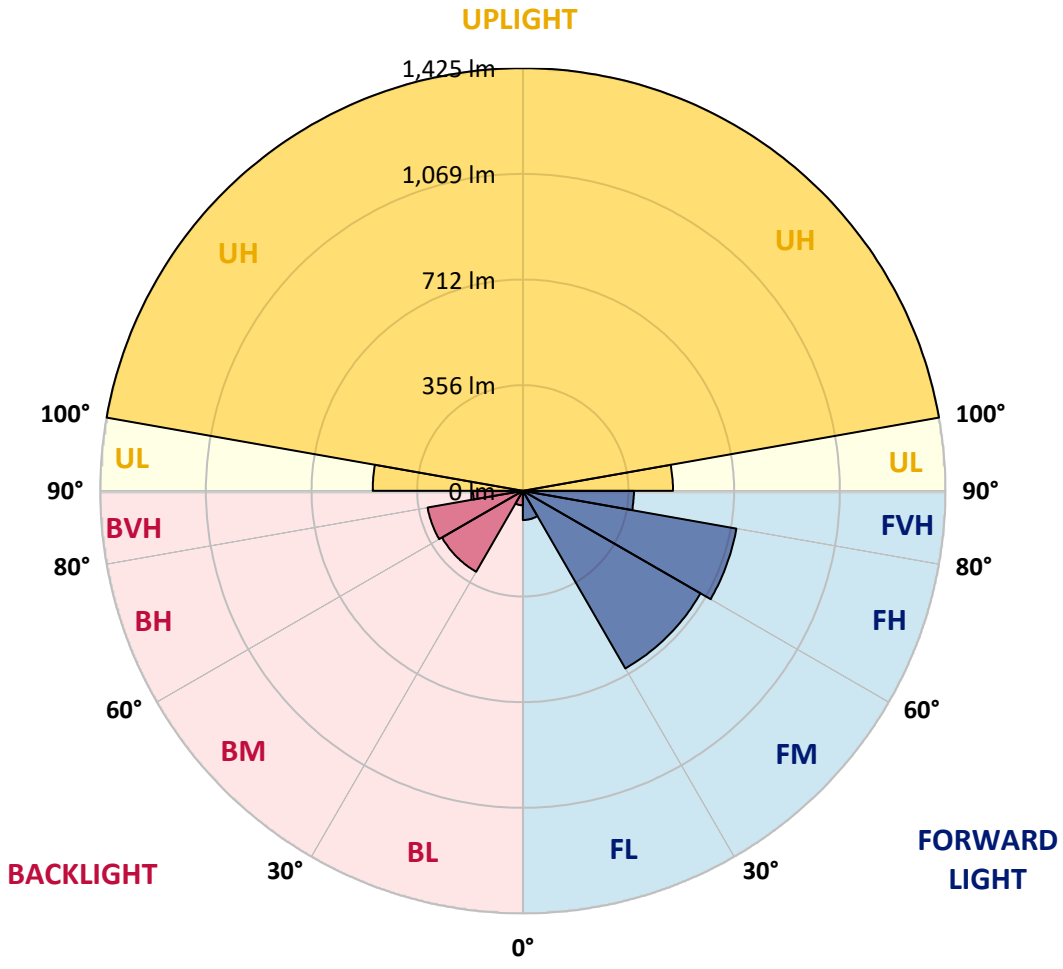
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	98.4	2.1			
FM	(30°-60°)	691.6	14.8			
FH	(60°-80°)	731.1	15.6			G1/1800
FVH	(80°-90°)	374.4	8.0			G3/500
BL	(0°-30°)	49.1	1.0	B0/110		
BM	(30°-60°)	314.9	6.7	B1/1000		
BH	(60°-80°)	325.8	7.0	B1/500		G1/500
BVH	(80°-90°)	168.0	3.6			G2/225
UL	(90°-100°)	506.1	10.8		U4/1000	
UH	(100°-180°)	1424.8	30.4		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°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2.5°	40.4	40.4	40.7	40.7	40.1	40.4	39.8	39.0	38.4	36.9	36.3
5°	58.9	58.0	58.3	57.7	56.5	55.9	53.5	51.7	48.8	45.5	44.0
7.5°	81.8	82.1	80.9	79.4	79.1	75.8	75.2	69.6	67.2	61.6	60.1
10°	110.0	109.4	108.2	107.9	105.3	102.0	96.9	94.0	86.2	82.1	78.8
12.5°	140.9	141.2	139.2	137.1	134.7	130.2	123.4	118.6	112.4	103.8	99.6
15°	174.2	173.1	173.1	170.7	167.1	162.1	156.7	149.9	140.9	131.7	125.8
17.5°	205.2	207.6	206.7	203.7	200.4	194.2	188.5	179.0	169.2	159.1	151.7
20°	243.8	244.4	242.9	240.3	237.3	230.2	223.3	213.8	201.6	185.8	179.6
22.5°	282.8	284.0	284.0	282.5	278.3	272.1	261.1	250.7	235.5	219.7	209.3
25°	327.7	326.8	327.7	326.8	320.0	314.3	303.0	290.5	274.2	254.8	242.3
27.5°	372.9	374.1	371.7	369.6	366.9	358.0	345.8	330.1	309.5	289.3	275.9
30°	416.9	419.6	419.6	417.2	413.0	404.1	390.4	373.5	350.9	325.3	309.5
32.5°	463.0	463.9	465.1	464.8	460.0	451.4	436.2	413.3	388.0	359.8	344.3
35°	511.7	509.1	509.7	507.9	505.8	495.1	477.6	455.5	428.2	396.7	377.9
37.5°	552.2	551.0	551.9	553.4	547.7	536.7	516.5	490.9	460.9	427.9	409.2
40°	590.5	589.7	591.1	591.4	585.8	573.0	551.6	526.9	494.5	456.4	438.9
42.5°	622.7	622.7	624.1	625.9	620.0	606.3	584.6	555.2	521.9	483.5	462.1
45°	652.4	651.5	654.5	655.4	649.4	635.7	611.4	581.6	545.9	507.0	484.7
47.5°	676.2	676.5	679.5	681.2	675.9	660.4	635.7	604.2	567.1	526.3	503.4
50°	695.8	698.5	701.2	703.2	697.6	682.1	656.6	622.4	585.2	544.2	520.4
52.5°	715.4	715.4	719.6	722.3	716.0	700.0	673.2	639.9	601.8	558.4	535.2
55°	727.9	728.2	733.3	734.2	730.3	713.6	686.3	653.0	614.9	571.2	546.5
57.5°	738.9	739.2	744.9	747.0	741.6	725.5	697.6	663.1	625.9	581.3	556.3
60°	748.4	748.1	752.9	755.9	750.5	733.6	706.2	672.6	634.6	590.5	564.7
62.5°	754.4	754.4	760.0	763.0	757.4	740.7	712.8	679.5	641.4	596.8	571.2
65°	757.1	757.7	763.0	766.6	761.2	744.3	716.3	683.6	646.1	601.8	576.0
67.5°	758.0	758.3	764.8	768.4	763.3	746.1	718.4	686.3	649.7	605.1	578.9
70°	758.5	758.8	763.9	767.5	763.0	745.8	719.0	687.5	651.8	606.9	580.7
72.5°	755.3	756.2	761.8	766.0	760.6	743.7	717.5	687.5	651.5	608.1	581.3
75°	751.1	753.2	758.3	761.8	757.1	740.7	715.1	686.3	651.2	607.5	581.3
77.5°	747.0	747.3	753.8	757.1	752.0	735.4	711.0	683.3	649.4	605.7	579.2
80°	738.6	740.4	746.1	749.0	744.6	728.8	705.0	679.2	646.1	602.7	576.0
82.5°	732.7	732.1	737.7	740.4	736.0	719.6	698.2	672.6	641.4	597.7	571.5
85°	721.4	722.6	727.0	729.4	724.4	709.5	689.0	666.1	634.9	592.0	565.6
87.5°	710.7	711.3	714.2	716.9	711.9	697.6	678.6	656.9	626.8	584.9	559.0
90°	697.3	697.6	700.9	702.9	698.5	685.1	667.6	646.4	618.2	576.9	551.0
92.5°	684.8	684.2	686.6	687.5	683.6	670.5	654.8	635.1	607.8	567.1	542.1
95°	668.5	668.2	670.2	669.6	665.5	654.2	639.9	622.7	595.6	556.6	532.0
97.5°	650.3	650.6	651.8	651.2	646.7	636.3	625.3	608.1	583.1	544.5	520.7
100°	630.1	631.0	632.8	631.0	627.1	619.4	607.8	593.5	568.8	532.3	508.8
102.5°	613.1	610.8	610.2	609.9	606.0	599.2	590.2	577.8	554.9	518.9	496.3
105°	590.8	589.4	589.1	585.8	584.3	578.7	571.2	559.9	539.4	505.5	483.5
107.5°	567.4	567.6	566.5	562.6	560.5	556.6	552.5	542.4	522.7	490.6	470.4
110°	546.2	544.8	541.5	539.7	538.2	534.9	532.3	524.5	506.4	476.4	456.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	520.1	521.0	517.1	*515.9*	513.5	513.2	511.4	505.2	489.1	461.2	442.2
115°	496.6	496.0	492.1	*489.7*	488.8	489.4	490.6	486.2	471.3	444.8	427.3
117.5°	470.7	468.9	466.3	*463.9*	462.7	465.1	467.7	465.7	453.2	428.2	411.5
120°	443.1	443.4	439.5	*437.1*	437.4	441.3	444.8	443.7	431.8	409.5	394.6
122.5°	417.2	415.7	412.4	*410.1*	412.1	416.3	420.5	420.2	409.8	388.0	374.7
125°	388.9	388.6	385.4	*383.0*	384.8	389.5	394.6	395.2	385.4	367.2	353.9
127.5°	362.2	361.3	360.7	*358.0*	359.2	365.7	369.3	369.0	360.4	343.7	332.1
130°	336.6	336.3	332.7	*331.5*	333.0	338.4	342.0	341.4	334.5	320.0	309.5
132.5°	310.7	309.5	308.1	*306.3*	307.5	311.9	316.7	316.1	308.1	294.1	285.8
135°	285.2	284.3	283.1	*281.9*	282.8	287.2	291.4	290.2	283.4	270.9	262.6
137.5°	261.7	260.8	259.3	*257.8*	259.0	262.6	265.2	264.3	258.7	246.8	238.8
140°	237.3	237.9	236.1	*234.9*	235.5	239.1	241.2	240.0	233.7	223.9	217.4
142.5°	215.0	215.0	214.1	*213.8*	214.7	216.5	218.3	215.9	211.7	201.6	196.3
145°	193.6	193.9	193.6	*193.0*	193.3	195.4	195.7	194.8	190.0	182.6	176.6
147.5°	173.4	174.2	173.7	*173.7*	174.0	174.8	176.0	174.0	169.8	163.2	159.1
150°	154.6	155.2	155.2	*154.6*	154.6	155.8	155.8	154.3	151.1	145.7	141.8
152.5°	138.3	138.6	138.6	*138.0*	138.3	138.6	138.0	136.2	133.5	129.3	126.4
155°	123.4	124.0	123.1	*123.4*	122.5	122.8	122.5	121.3	118.3	114.8	113.0
157.5°	110.0	110.9	110.3	*110.3*	109.7	109.4	109.1	107.9	105.9	102.9	100.8
160°	99.3	99.9	99.0	*99.0*	98.4	98.4	97.2	96.6	94.6	91.9	90.7
162.5°	90.1	90.1	89.8	*90.1*	89.8	88.9	88.3	87.1	85.3	83.3	82.4
165°	82.7	82.4	82.4	*82.1*	81.8	81.2	80.3	79.7	77.9	76.1	75.5
167.5°	77.0	76.7	76.4	*76.1*	75.5	75.2	74.3	73.7	72.3	70.8	70.2
170°	72.3	72.3	71.7	*71.4*	71.1	70.5	69.6	68.7	67.5	66.6	66.0
172.5°	68.1	68.1	67.8	*67.5*	67.2	66.6	65.7	65.1	64.2	63.3	62.7
175°	65.1	65.1	64.8	*64.2*	63.9	63.3	62.7	62.1	61.3	60.7	60.4
177.5°	62.7	62.7	62.7	*62.1*	61.8	61.3	60.7	60.1	59.8	59.2	59.2
180°	59.8	59.8	59.8	*59.8*	59.8	59.8	59.8	59.8	59.8	59.8	59.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2.5°	35.4	33.6	32.1	29.7	27.7	25.9	24.7	23.8	23.2	22.6
5°	42.2	39.0	35.7	32.1	28.8	25.9	23.5	21.7	20.8	20.8
7.5°	57.7	52.6	47.0	41.9	38.1	34.2	30.6	28.5	27.4	26.8
10°	75.5	68.1	62.4	56.2	49.4	44.6	40.4	37.8	36.3	36.6
12.5°	96.9	87.7	80.6	71.4	63.9	56.5	52.0	48.2	46.4	46.1
15°	120.7	110.0	99.6	88.6	78.8	70.2	63.6	58.6	55.6	55.3
17.5°	145.7	132.3	118.3	105.9	93.1	82.4	73.4	67.5	64.2	64.2
20°	171.0	155.8	139.5	123.1	107.6	94.6	84.2	76.4	72.3	71.7
22.5°	200.1	180.8	161.2	141.2	123.7	107.3	94.0	84.7	80.3	79.4
25°	231.9	209.0	185.5	162.1	140.4	120.7	105.3	94.9	88.6	87.7
27.5°	264.9	237.3	209.6	182.3	157.0	135.3	116.6	103.2	96.9	96.0
30°	297.4	267.0	234.9	202.8	174.2	149.3	127.9	112.4	104.7	103.5
32.5°	329.2	294.7	259.3	223.6	192.4	163.2	138.3	121.6	112.1	110.9
35°	359.5	323.8	282.5	244.1	208.4	177.2	149.3	129.9	119.2	118.0
37.5°	389.2	348.8	305.4	263.2	224.5	189.1	159.4	137.7	125.8	124.6
40°	417.5	372.6	325.3	280.7	238.5	201.0	168.0	144.5	131.1	129.6
42.5°	439.2	393.1	343.7	295.6	250.7	209.9	175.7	149.9	135.3	133.2
45°	460.9	411.5	359.5	308.7	261.4	218.6	182.0	154.6	139.2	136.8
47.5°	478.7	427.3	372.3	319.4	270.3	226.0	187.3	157.9	141.5	139.2
50°	495.7	441.3	384.2	329.2	278.3	232.5	191.8	160.6	143.0	140.6
52.5°	508.8	452.9	393.7	336.9	284.9	237.3	195.4	162.4	143.9	141.2
55°	519.8	462.4	401.4	342.8	289.9	241.5	198.0	163.2	143.9	141.2
57.5°	529.0	469.8	407.7	348.2	293.8	244.1	199.8	163.5	143.0	140.4
60°	537.0	476.7	412.7	352.4	297.4	246.8	201.0	163.5	142.1	139.2
62.5°	543.6	481.4	416.6	355.6	300.0	248.9	201.6	162.9	140.4	137.4
65°	547.4	484.7	419.0	357.4	301.5	249.5	201.6	162.1	138.6	135.6
67.5°	*550.7*	*486.8*	*420.5*	*358.3*	*302.4*	*250.1*	*201.3*	*160.6*	*136.8*	*133.8*
70°	552.2	487.7	421.1	358.9	303.0	249.8	200.4	159.4	135.0	131.4
72.5°	552.5	488.0	420.8	358.9	303.0	249.8	199.5	157.6	132.9	129.6
75°	551.9	487.1	419.9	358.6	302.7	248.9	198.6	156.1	131.1	127.6
77.5°	550.1	485.3	418.4	357.4	301.2	248.0	196.8	154.3	129.1	125.8
80°	547.1	482.3	416.0	355.3	299.4	246.2	195.4	152.5	127.3	124.0
82.5°	542.7	478.4	413.0	352.7	297.7	244.1	193.6	150.8	125.5	122.2
85°	537.3	473.7	408.6	349.4	295.0	241.7	191.2	148.7	123.7	120.4
87.5°	529.9	467.7	403.8	345.5	291.4	238.8	188.5	146.9	122.2	118.9
90°	522.7	461.2	398.8	341.4	288.1	236.1	186.1	144.8	121.0	117.8
92.5°	514.4	453.5	392.5	336.6	283.7	232.5	183.8	143.0	119.8	116.9
95°	504.9	445.1	386.0	331.0	279.5	229.0	180.8	141.2	118.6	116.0
97.5°	494.2	436.2	378.8	325.0	274.5	225.1	178.1	139.8	118.0	115.1
100°	483.2	426.1	371.1	319.1	269.4	220.9	175.4	138.3	117.8	115.1
102.5°	470.7	416.9	363.4	313.1	264.3	217.1	172.8	137.4	117.8	115.1
105°	458.8	406.2	355.0	306.6	259.3	213.2	170.4	136.8	118.0	115.7
107.5°	446.0	396.1	346.7	299.7	253.6	209.3	168.3	136.2	118.6	116.3
110°	434.1	386.3	339.0	293.2	248.6	205.8	166.2	135.9	119.2	117.2

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

Scaled Data Report

REPORT NUMBER: P1223993
CATALOG NUMBER: FFX-CLB-30-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	421.1	375.6	330.4	286.1	243.2	201.6	164.1	135.3	119.8	118.0
115°	407.4	364.3	321.7	278.9	237.0	197.7	162.1	135.0	120.4	118.6
117.5°	392.5	352.1	311.3	270.6	230.4	193.0	159.1	133.8	120.4	118.6
120°	376.4	339.3	300.0	261.7	223.0	187.3	156.1	132.3	119.8	118.3
122.5°	358.9	324.1	286.9	250.4	214.7	180.8	151.7	129.6	118.3	116.9
125°	339.6	307.2	273.6	238.2	204.3	173.4	146.3	126.7	116.0	114.8
127.5°	319.4	289.6	257.5	225.4	194.5	165.3	140.6	122.2	112.7	111.5
130°	296.8	270.0	240.9	211.1	182.9	156.1	133.8	117.2	108.5	107.3
132.5°	275.1	250.7	224.5	198.0	170.7	147.2	126.4	111.5	104.1	102.9
135°	252.5	231.0	207.6	182.6	159.4	137.4	118.9	105.9	99.0	98.1
137.5°	230.4	212.3	190.3	168.3	147.8	127.9	111.8	100.5	94.3	93.7
140°	209.9	193.0	174.5	155.2	136.2	118.9	105.0	94.6	89.5	88.6
142.5°	190.0	175.4	158.8	142.4	124.9	110.3	98.1	88.9	84.7	84.2
145°	171.3	159.1	144.5	129.6	114.8	102.0	91.6	83.9	80.3	80.0
147.5°	153.7	143.6	130.8	118.3	105.9	95.2	85.6	79.7	76.4	76.1
150°	137.7	128.5	118.3	107.6	97.2	87.7	80.6	75.2	72.6	72.3
152.5°	122.5	115.4	107.0	98.4	89.5	82.1	75.5	71.7	69.6	69.3
155°	109.4	103.8	96.9	89.5	82.7	76.7	71.7	68.7	66.9	66.9
157.5°	98.4	93.7	88.6	82.7	77.0	72.3	68.7	66.0	64.5	64.5
160°	88.9	84.7	80.9	76.4	72.6	68.7	66.0	63.9	62.7	62.7
162.5°	80.9	77.9	74.9	71.7	68.4	66.0	63.6	62.1	61.6	61.3
165°	74.3	72.6	70.2	67.8	65.7	63.6	62.1	61.3	60.7	60.7
167.5°	69.3	68.1	66.3	64.8	63.3	61.8	61.0	60.4	60.1	60.1
170°	65.4	64.5	63.3	62.4	61.6	60.7	60.1	59.8	59.5	59.5
172.5°	62.4	61.6	61.0	60.7	60.1	59.8	59.5	59.2	59.2	59.2
175°	60.4	59.8	59.8	59.5	59.2	59.2	58.9	58.9	58.9	59.2
177.5°	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.2	59.5	59.5
180°	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

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

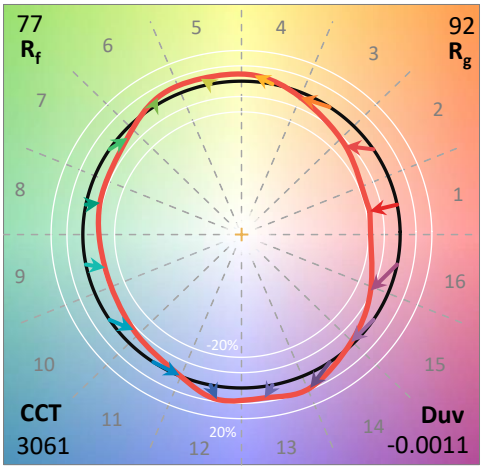
Test Information

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

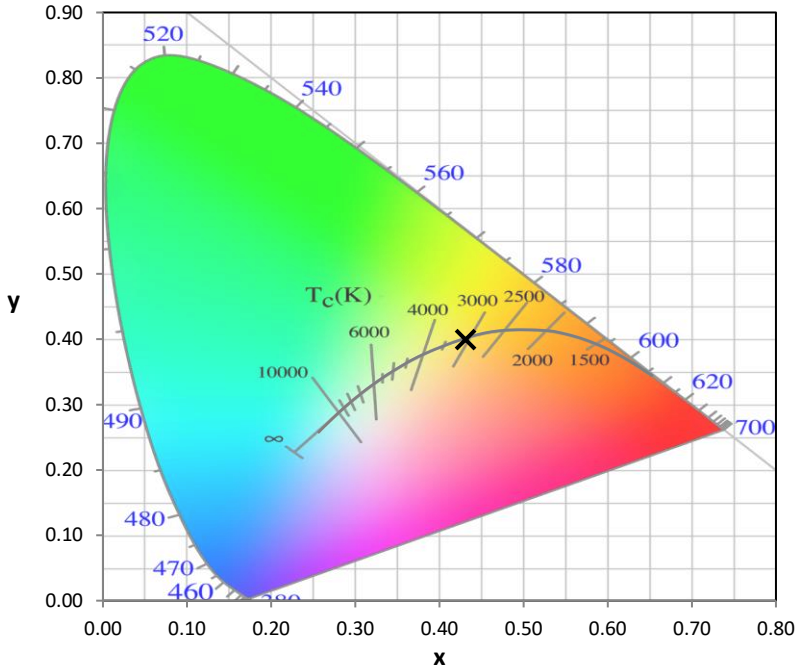
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

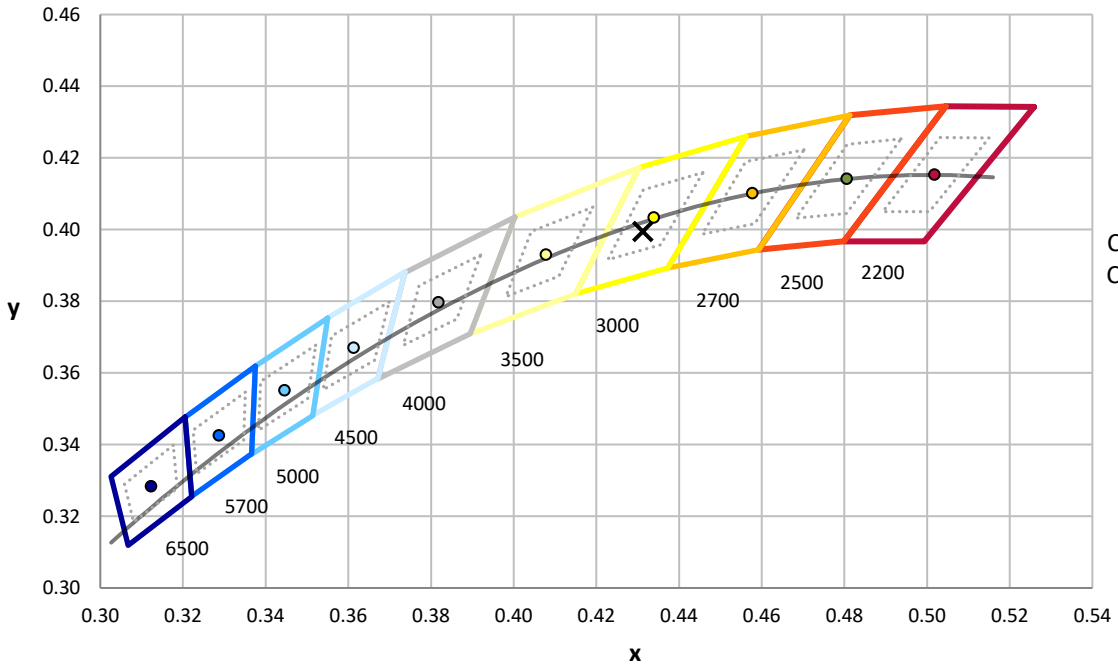
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

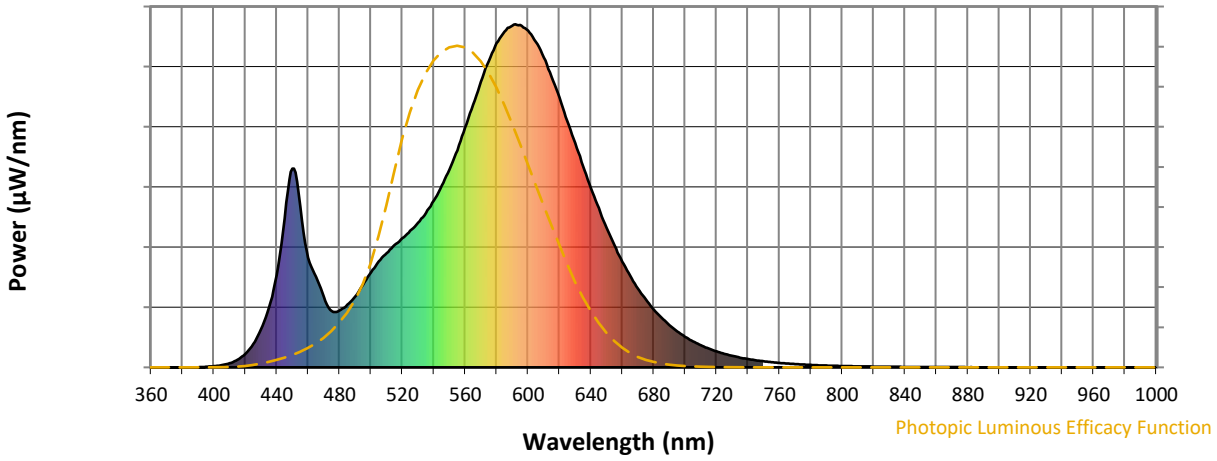


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

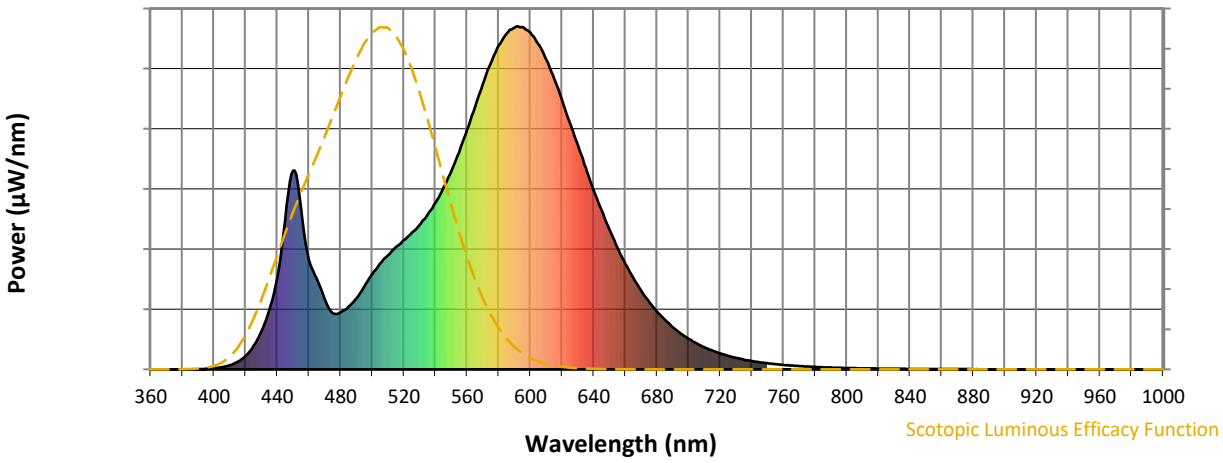


Photopic Lumens: NR

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

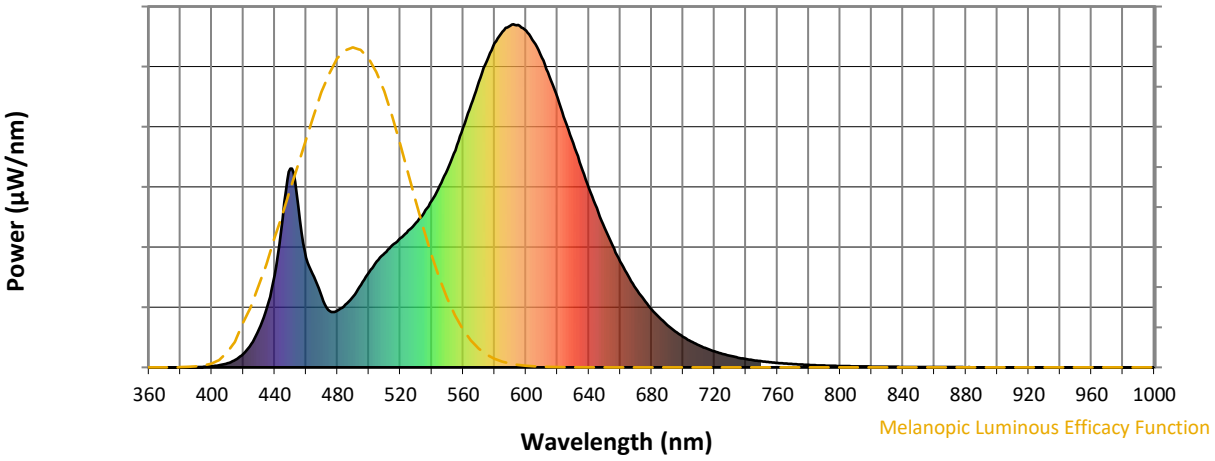


Scotopic Lumens: NR **S/P: 1.29**

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			

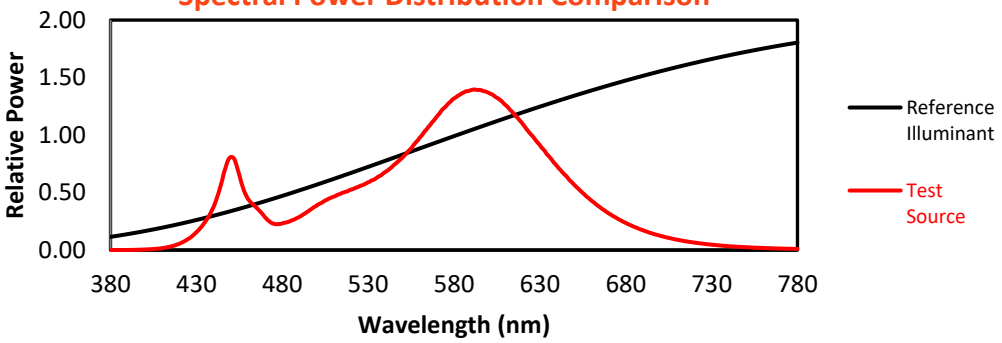
REPORT NUMBER: SP1-2501-332-4

TM-30-18

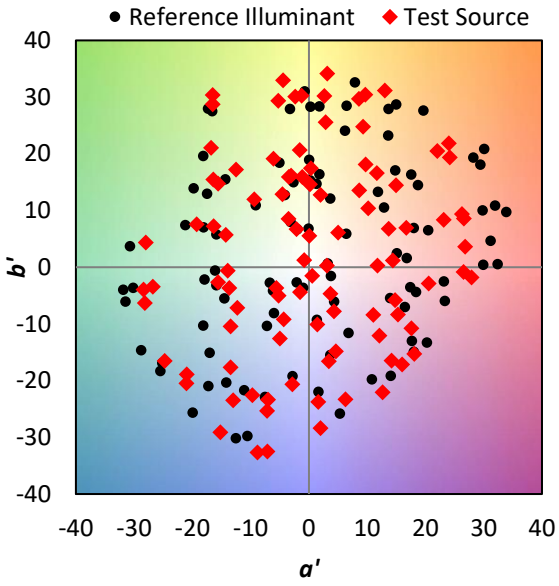
Summary

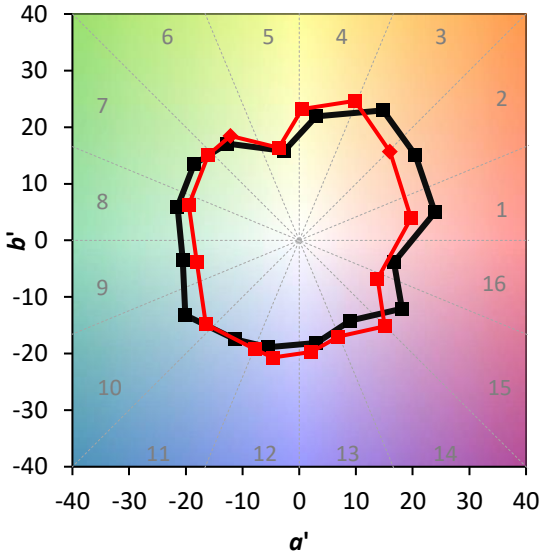
R_f = 76.8
R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

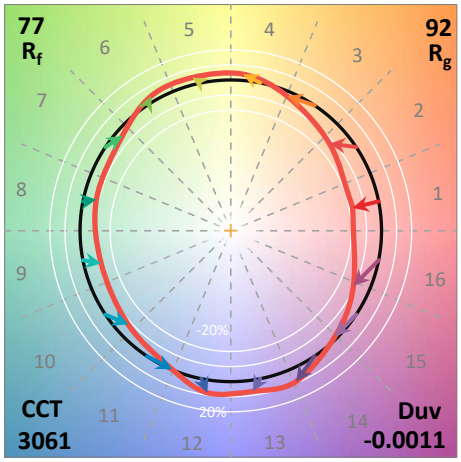
Spectral Power Distribution Comparison

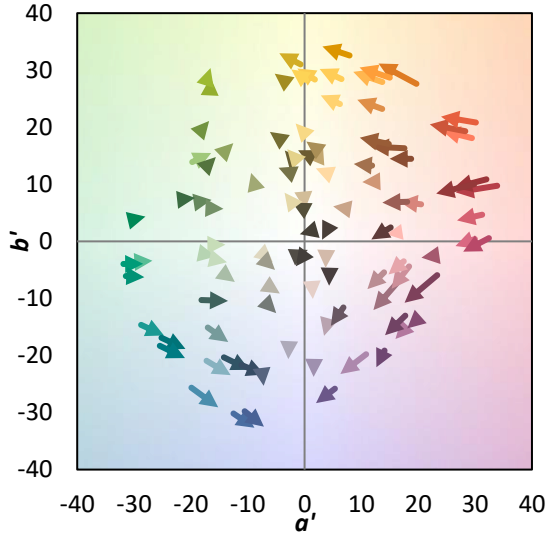


Color Vector Graphics







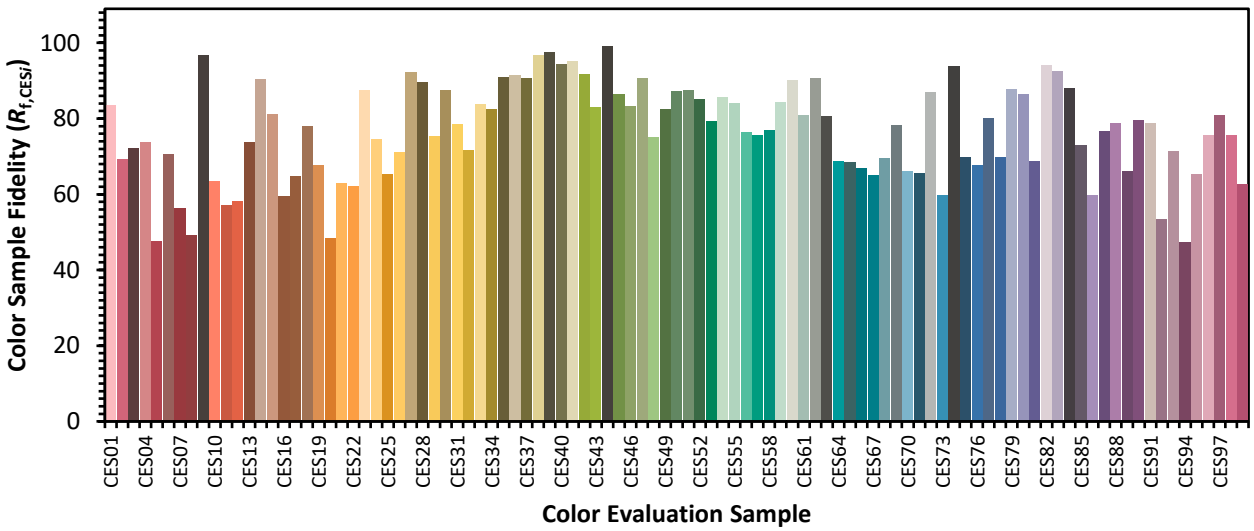


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

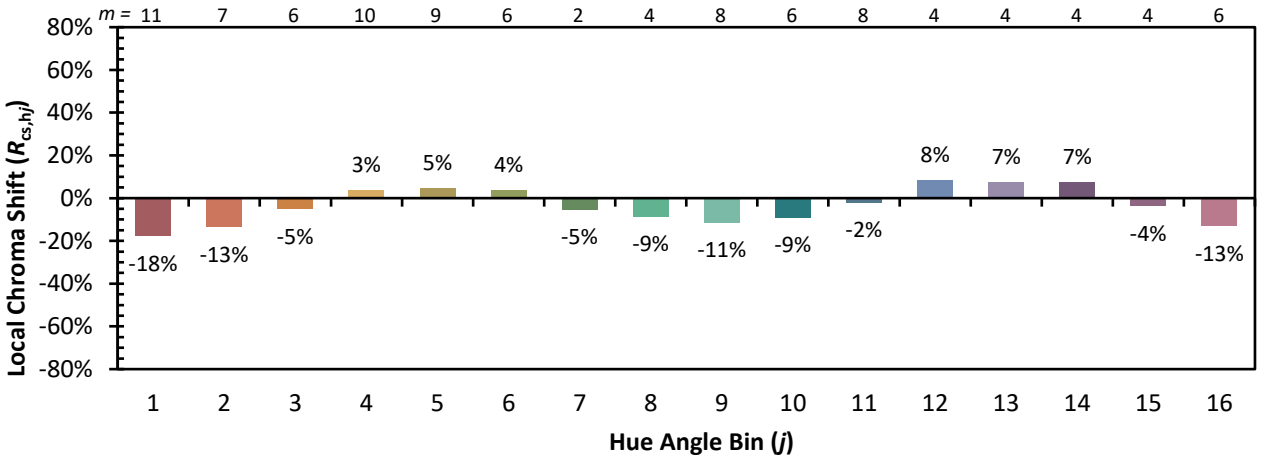
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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	

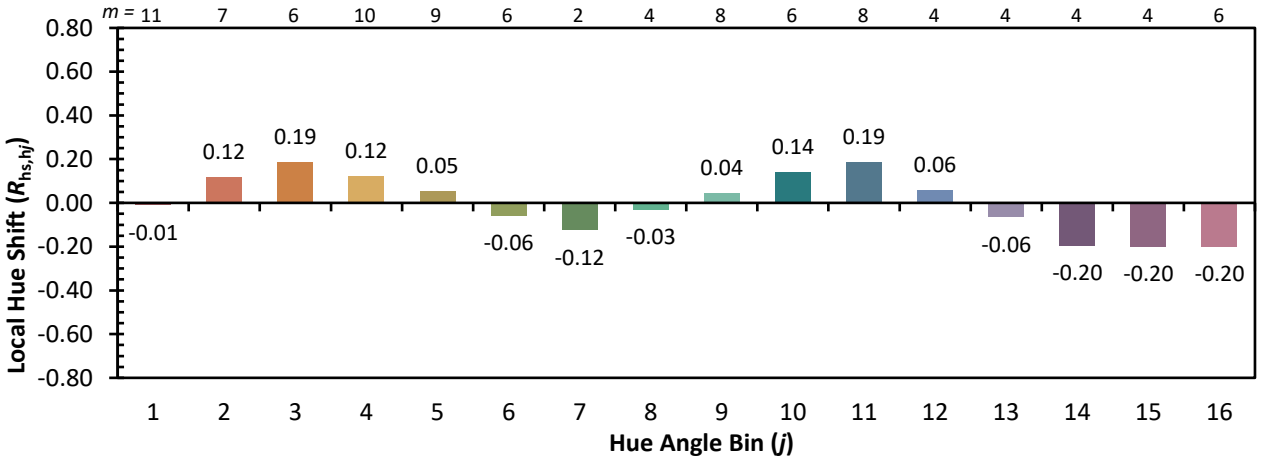


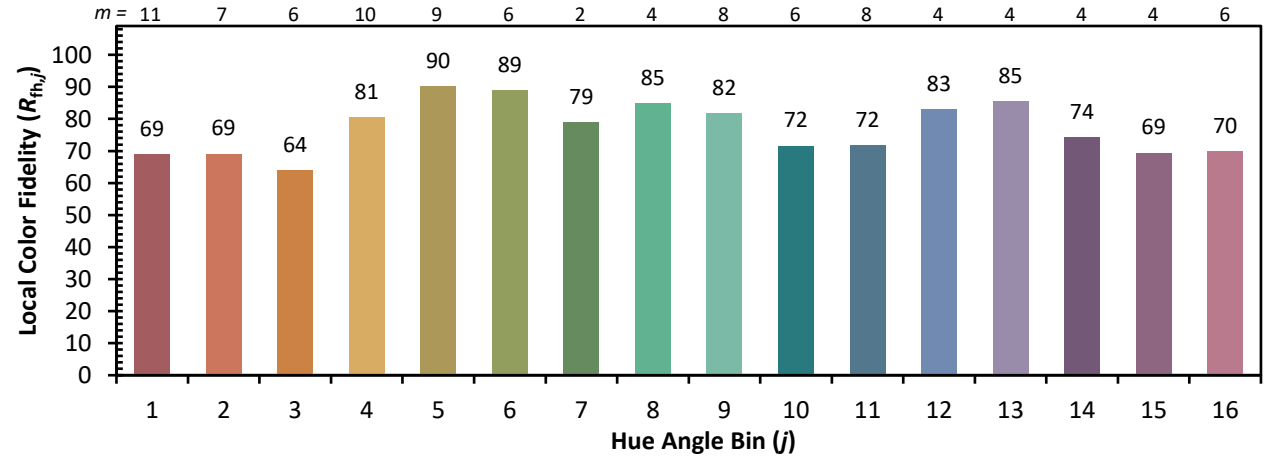
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



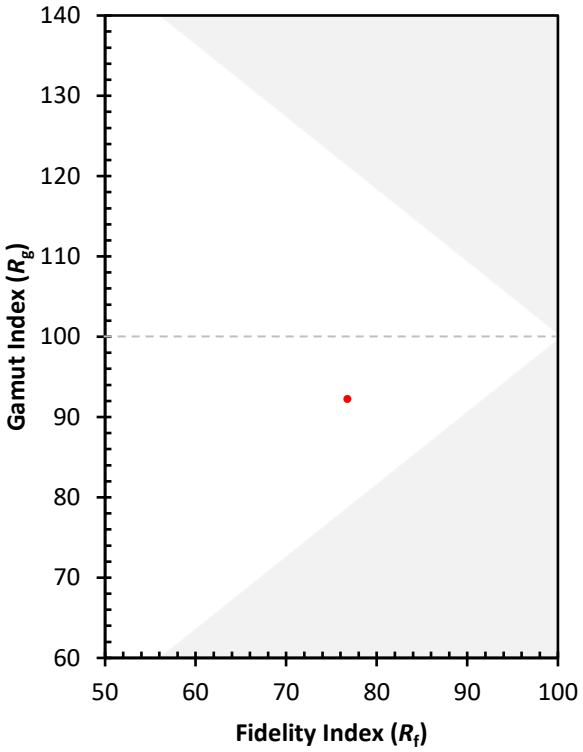


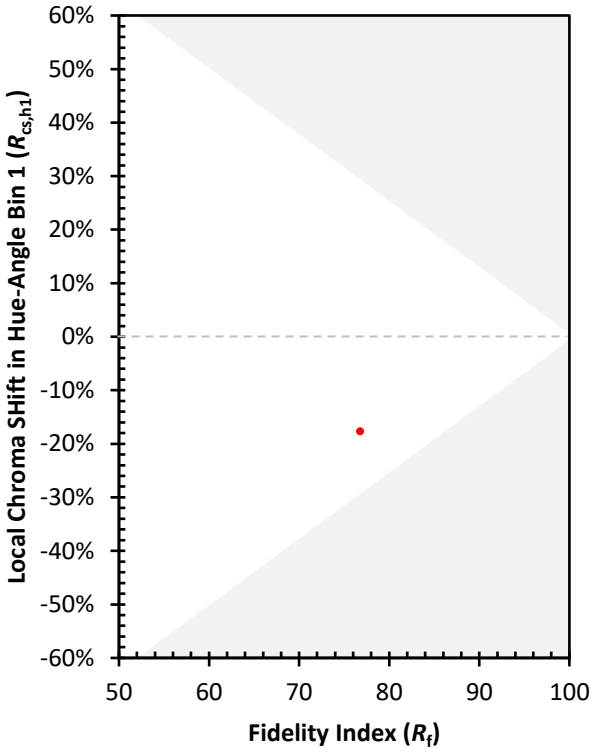


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Measure Comparisons





(END OF REPORT)