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: P1223984

Luminaire Tested: **FFX-CLB-30-727-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:	P1223984
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4437.7 lumens
Efficiency:	N/A
Efficacy:	145.0 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

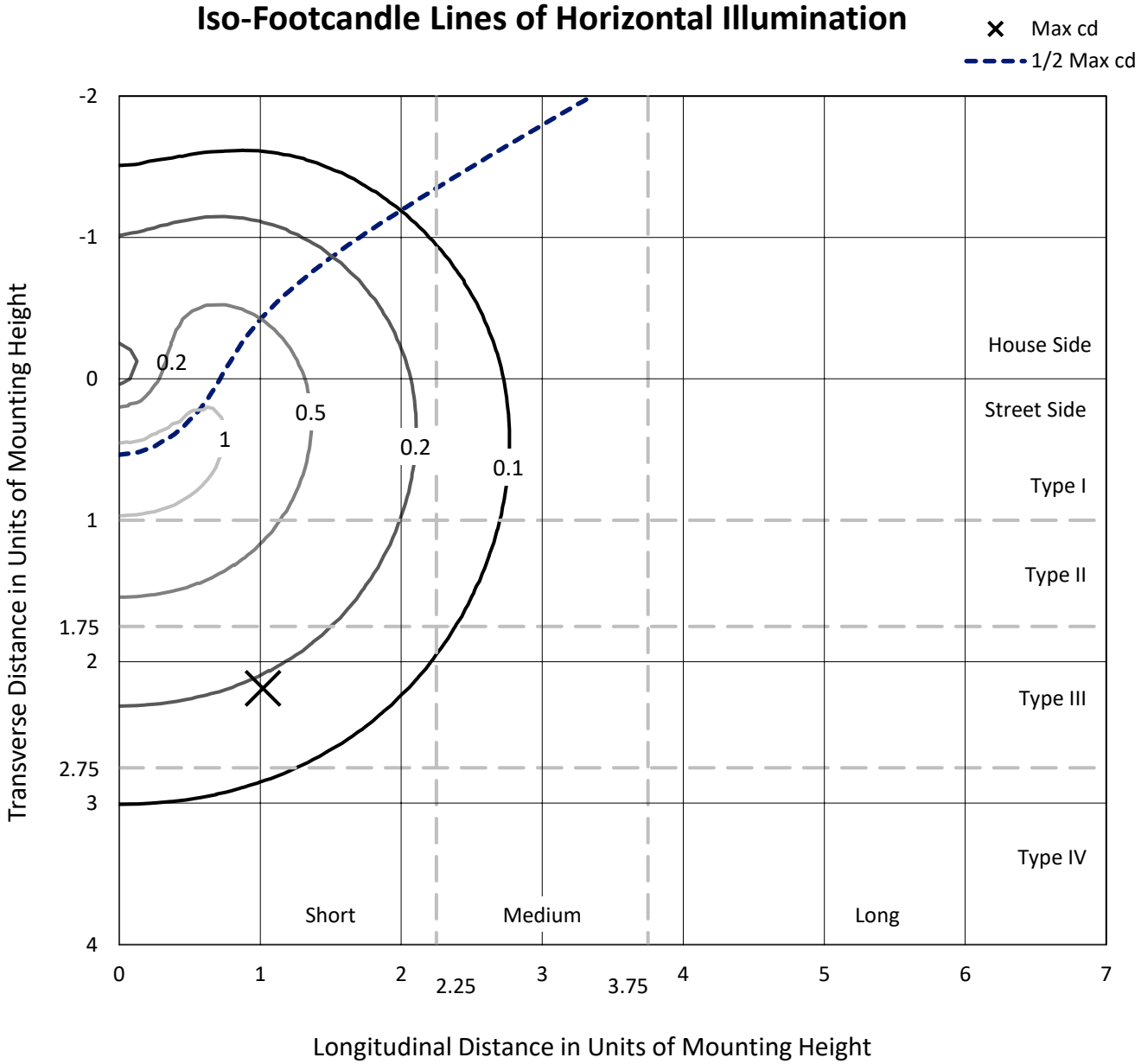


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Iso-Footcandle Lines of Horizontal Illumination



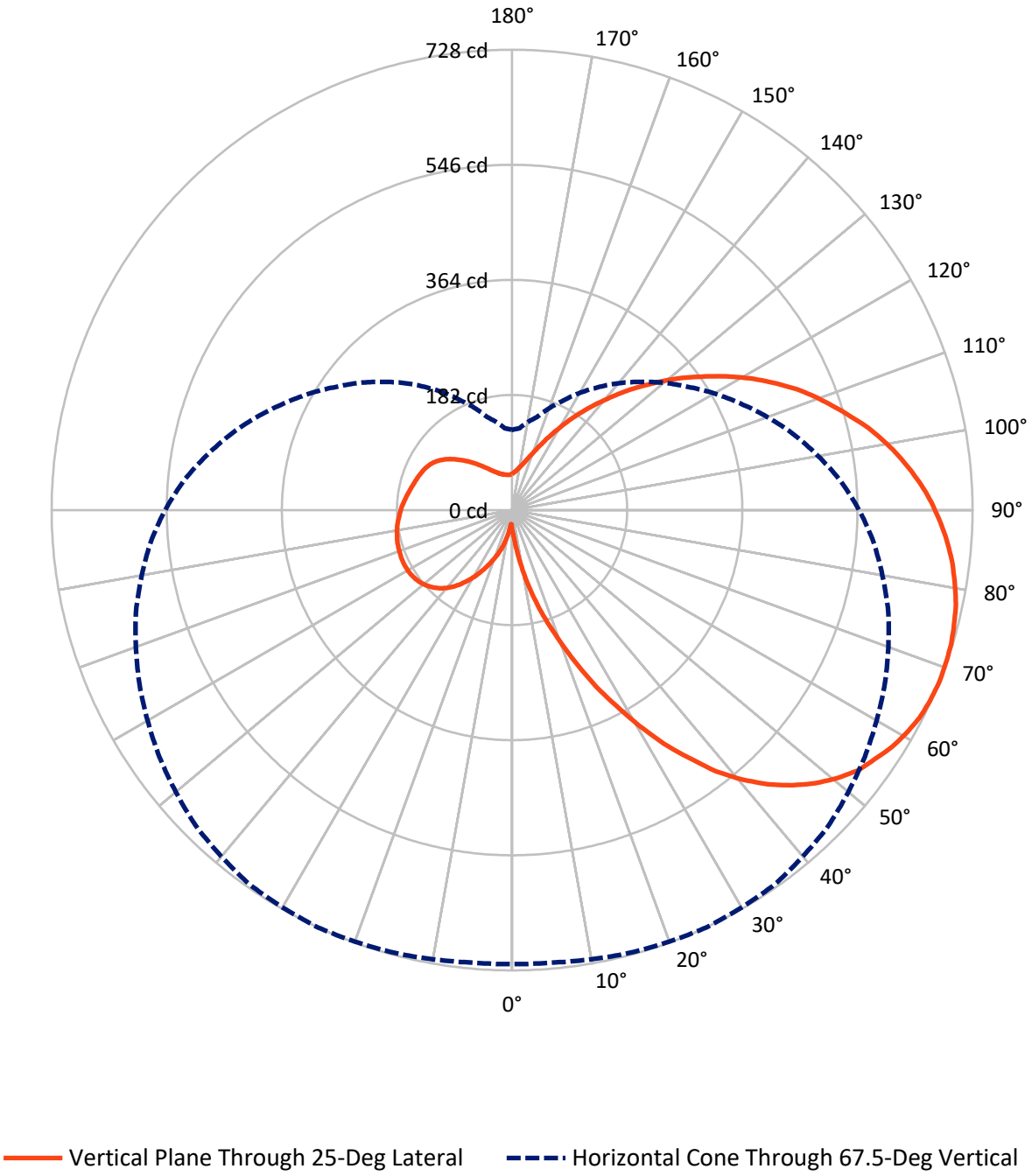
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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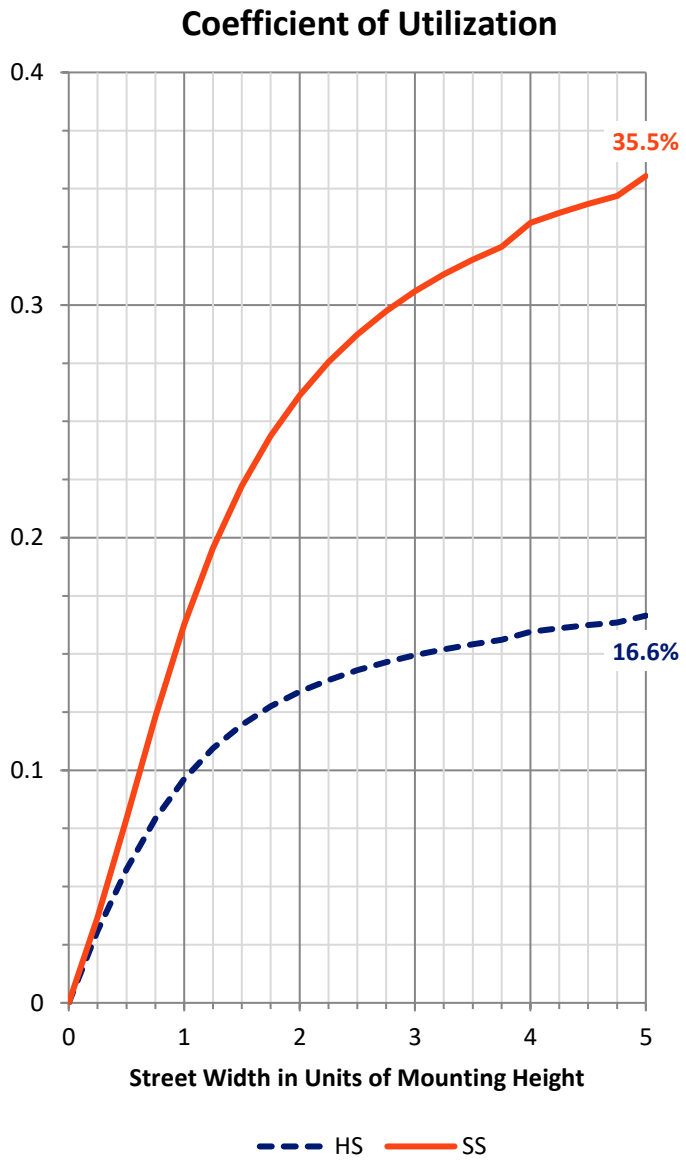
REPORT NUMBER: P1223984
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	812.7	621.2	1433.9
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1795.8	1208.0	3003.8
	% Fixture	40.5	27.2	67.7
Total	Lumens	2608.5	1829.2	4437.7
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	33.8	0.8
20°-30°	101.1	2.3
30°-40°	208.0	4.7
40°-50°	324.8	7.3
50°-60°	420.7	9.5
60°-70°	485.1	10.9
70°-80°	516.2	11.6
80°-90°	513.9	11.6
90°-100°	479.4	10.8
100°-110°	419.1	9.4
110°-120°	343.2	7.7
120°-130°	255.2	5.8
130°-140°	166.0	3.7
140°-150°	94.0	2.1
150°-160°	46.3	1.0
160°-170°	20.2	0.5
170°-180°	5.7	0.1
0°-90°	2608.5	58.8
0°-180°	4437.7	100.0



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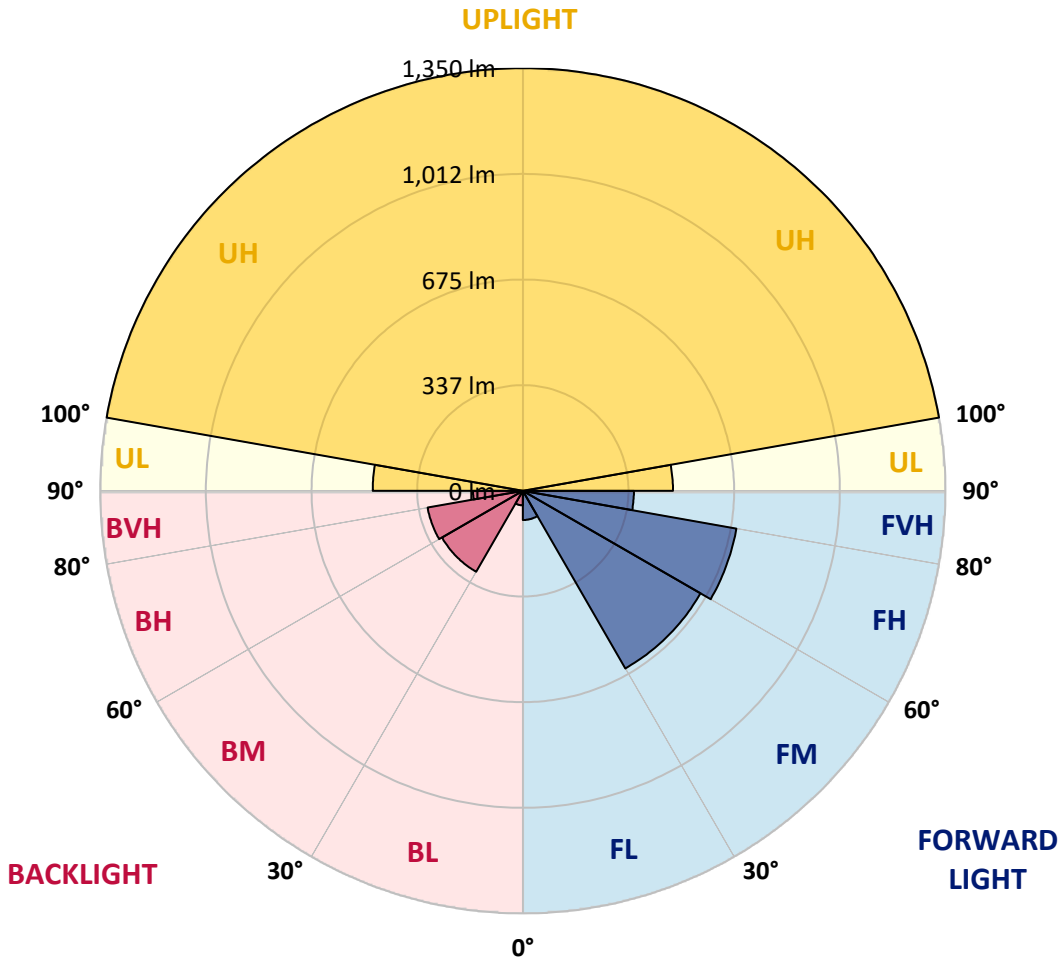
Scaled Data Report

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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°)	93.2	2.1			
FM	(30°-60°)	655.2	14.8			
FH	(60°-80°)	692.6	15.6			G1/1800
FVH	(80°-90°)	354.7	8.0			G3/500
BL	(0°-30°)	46.5	1.0	B0/110		
BM	(30°-60°)	298.4	6.7	B1/1000		
BH	(60°-80°)	308.7	7.0	B1/500		G1/500
BVH	(80°-90°)	159.2	3.6			G2/225
UL	(90°-100°)	479.4	10.8		U3/500	
UH	(100°-180°)	1349.8	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°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	38.3	38.3	38.6	38.6	38.0	38.3	37.7	36.9	36.3	34.9	34.4
5°	55.8	54.9	55.2	54.7	53.5	53.0	50.7	49.0	46.2	43.1	41.7
7.5°	77.5	77.8	76.6	75.2	74.9	71.8	71.3	65.9	63.7	58.3	56.9
10°	104.2	103.7	102.5	102.3	99.7	96.6	91.8	89.0	81.7	77.8	74.7
12.5°	133.5	133.8	131.8	129.9	127.6	123.4	116.9	112.4	106.5	98.3	94.4
15°	165.1	164.0	164.0	161.7	158.3	153.5	148.5	142.0	133.5	124.8	119.2
17.5°	194.4	196.6	195.8	193.0	189.9	184.0	178.6	169.6	160.3	150.7	143.7
20°	231.0	231.6	230.2	227.6	224.8	218.0	211.6	202.5	191.0	176.1	170.1
22.5°	267.9	269.0	269.0	267.6	263.7	257.8	247.3	237.5	223.1	208.2	198.3
25°	310.4	309.6	310.4	309.6	303.1	297.8	287.1	275.2	259.7	241.4	229.6
27.5°	353.3	354.4	352.1	350.2	347.6	339.2	327.6	312.7	293.3	274.1	261.4
30°	394.9	397.5	397.5	395.2	391.3	382.8	369.9	353.8	332.4	308.2	293.3
32.5°	438.6	439.5	440.6	440.3	435.8	427.6	413.3	391.6	367.6	340.9	326.2
35°	484.8	482.3	482.8	481.1	479.2	469.0	452.4	431.6	405.7	375.8	358.0
37.5°	523.1	522.0	522.8	524.3	518.9	508.5	489.3	465.1	436.6	405.4	387.6
40°	559.5	558.6	560.0	560.3	555.0	542.8	522.6	499.2	468.5	432.4	415.8
42.5°	589.9	589.9	591.3	593.0	587.4	574.4	553.8	525.9	494.4	458.1	437.8
45°	618.1	617.2	620.0	620.9	615.2	602.3	579.2	551.0	517.2	480.3	459.2
47.5°	640.6	640.9	643.7	645.4	640.3	625.7	602.3	572.4	537.2	498.6	476.9
50°	659.2	661.7	664.3	666.2	660.9	646.2	622.0	589.6	554.4	515.5	493.0
52.5°	677.8	677.8	681.7	684.3	678.3	663.1	637.8	606.2	570.2	529.0	507.1
55°	689.6	689.9	694.7	695.5	691.9	676.1	650.2	618.6	582.6	541.2	517.8
57.5°	700.0	700.3	705.7	707.6	702.6	687.4	660.9	628.2	593.0	550.7	527.1
60°	709.0	708.8	713.3	716.1	711.0	695.0	669.0	637.2	601.2	559.5	535.0
62.5°	714.7	714.7	720.0	722.9	717.5	701.7	675.2	643.7	607.6	565.4	541.2
65°	717.2	717.8	722.9	726.2	721.2	705.1	678.6	647.6	612.1	570.2	545.7
67.5°	718.1	718.3	724.5	727.9	723.1	706.8	680.6	650.2	615.5	573.3	548.5
70°	718.6	718.9	723.7	727.1	722.9	706.5	681.2	651.3	617.5	575.0	550.2
72.5°	715.5	716.4	721.7	725.7	720.6	704.5	679.8	651.3	617.2	576.1	550.7
75°	711.6	713.6	718.3	721.7	717.2	701.7	677.5	650.2	616.9	575.5	550.7
77.5°	707.6	707.9	714.1	717.2	712.4	696.7	673.6	647.4	615.2	573.8	548.8
80°	699.8	701.4	706.8	709.6	705.4	690.5	667.9	643.4	612.1	571.0	545.7
82.5°	694.1	693.6	698.9	701.4	697.2	681.7	661.4	637.2	607.6	566.2	541.4
85°	683.4	684.5	688.8	691.0	686.2	672.1	652.7	631.0	601.4	560.9	535.8
87.5°	673.3	673.8	676.7	679.2	674.4	660.9	642.8	622.3	593.8	554.1	529.6
90°	660.6	660.9	664.0	665.9	661.7	649.0	632.4	612.4	585.7	546.5	522.0
92.5°	648.8	648.2	650.5	651.3	647.6	635.2	620.3	601.7	575.8	537.2	513.5
95°	633.3	633.0	635.0	634.4	630.5	619.7	606.2	589.9	564.3	527.3	504.0
97.5°	616.1	616.4	617.5	616.9	612.7	602.8	592.4	576.1	552.4	515.8	493.3
100°	596.9	597.8	599.5	597.8	594.1	586.8	575.8	562.3	538.9	504.2	482.0
102.5°	580.9	578.6	578.1	577.8	574.1	567.6	559.2	547.4	525.7	491.6	470.2
105°	559.7	558.3	558.1	555.0	553.5	548.2	541.2	530.4	511.0	478.9	458.1
107.5°	537.5	537.8	536.6	533.0	531.0	527.3	523.4	513.8	495.2	464.8	445.7
110°	517.5	516.1	513.0	511.3	509.9	506.8	504.2	496.9	479.7	451.3	432.1

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CATALOG NUMBER: FFX-CLB-30-727-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	492.7	493.5	489.9	*488.8*	486.5	486.2	484.5	478.6	463.4	436.9	418.9
115°	470.4	469.9	466.2	*464.0*	463.1	463.7	464.8	460.6	446.5	421.4	404.8
117.5°	445.9	444.2	441.7	*439.5*	438.3	440.6	443.1	441.1	429.3	405.7	389.9
120°	419.7	420.0	416.4	*414.1*	414.4	418.0	421.4	420.3	409.0	387.9	373.8
122.5°	395.2	393.8	390.7	*388.5*	390.4	394.4	398.3	398.0	388.2	367.6	354.9
125°	368.5	368.2	365.1	*362.8*	364.5	369.0	373.8	374.4	365.1	347.9	335.2
127.5°	343.1	342.3	341.7	*339.2*	340.3	346.5	349.9	349.6	341.4	325.6	314.7
130°	318.9	318.6	315.2	*314.1*	315.5	320.6	324.0	323.4	316.9	303.1	293.3
132.5°	294.4	293.3	291.8	*290.2*	291.3	295.5	300.0	299.5	291.8	278.6	270.7
135°	270.2	269.3	268.2	*267.1*	267.9	272.1	276.1	274.9	268.5	256.6	248.7
137.5°	247.9	247.1	245.6	*244.2*	245.4	248.7	251.3	250.4	245.1	233.8	226.2
140°	224.8	225.4	223.7	*222.5*	223.1	226.5	228.5	227.3	221.4	212.1	205.9
142.5°	203.7	203.7	202.8	*202.5*	203.4	205.1	206.8	204.5	200.6	191.0	185.9
145°	183.4	183.7	183.4	*182.8*	183.1	185.1	185.4	184.5	180.0	173.0	167.3
147.5°	164.2	165.1	164.5	*164.5*	164.8	165.6	166.8	164.8	160.9	154.7	150.7
150°	146.5	147.0	147.0	*146.5*	146.5	147.6	147.6	146.2	143.1	138.0	134.4
152.5°	131.0	131.3	131.3	*130.7*	131.0	131.3	130.7	129.0	126.5	122.5	119.7
155°	116.9	117.5	116.6	*116.9*	116.1	116.3	116.1	114.9	112.1	108.7	107.0
157.5°	104.2	105.1	104.5	*104.5*	103.9	103.7	103.4	102.3	100.3	97.5	95.5
160°	94.1	94.7	93.8	*93.8*	93.2	93.2	92.1	91.6	89.6	87.0	85.9
162.5°	85.4	85.4	85.1	*85.4*	85.1	84.2	83.7	82.5	80.8	78.9	78.0
165°	78.3	78.0	78.0	*77.8*	77.5	76.9	76.1	75.5	73.8	72.1	71.6
167.5°	73.0	72.7	72.4	*72.1*	71.6	71.3	70.4	69.9	68.5	67.0	66.5
170°	68.5	68.5	67.9	*67.6*	67.3	66.8	65.9	65.1	63.9	63.1	62.5
172.5°	64.5	64.5	64.2	*63.9*	63.7	63.1	62.3	61.7	60.8	60.0	59.4
175°	61.7	61.7	61.4	*60.8*	60.6	60.0	59.4	58.9	58.0	57.5	57.2
177.5°	59.4	59.4	59.4	*58.9*	58.6	58.0	57.5	56.9	56.6	56.1	56.1
180°	56.6	56.6	56.6	*56.6*	56.6	56.6	56.6	56.6	56.6	56.6	56.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	33.5	31.8	30.4	28.2	26.2	24.5	23.4	22.5	22.0	21.4
5°	40.0	36.9	33.8	30.4	27.3	24.5	22.3	20.6	19.7	19.7
7.5°	54.7	49.9	44.5	39.7	36.1	32.4	29.0	27.0	25.9	25.4
10°	71.6	64.5	59.2	53.2	46.8	42.3	38.3	35.8	34.4	34.6
12.5°	91.8	83.1	76.3	67.6	60.6	53.5	49.3	45.6	43.9	43.7
15°	114.4	104.2	94.4	83.9	74.7	66.5	60.3	55.5	52.7	52.4
17.5°	138.0	125.4	112.1	100.3	88.2	78.0	69.6	63.9	60.8	60.8
20°	162.0	147.6	132.1	116.6	102.0	89.6	79.7	72.4	68.5	67.9
22.5°	189.6	171.3	152.7	133.8	117.2	101.7	89.0	80.3	76.1	75.2
25°	219.7	198.0	175.8	153.5	133.0	114.4	99.7	89.9	83.9	83.1
27.5°	251.0	224.8	198.6	172.7	148.7	128.2	110.4	97.8	91.8	91.0
30°	281.7	253.0	222.5	192.1	165.1	141.4	121.1	106.5	99.2	98.0
32.5°	311.8	279.2	245.6	211.8	182.3	154.7	131.0	115.2	106.2	105.1
35°	340.6	306.8	267.6	231.3	197.5	167.9	141.4	123.1	113.0	111.8
37.5°	368.8	330.4	289.3	249.3	212.7	179.2	151.0	130.4	119.2	118.0
40°	395.5	353.0	308.2	265.9	225.9	190.4	159.2	136.9	124.2	122.8
42.5°	416.1	372.4	325.6	280.0	237.5	198.9	166.5	142.0	128.2	126.2
45°	436.6	389.9	340.6	292.4	247.6	207.1	172.4	146.5	131.8	129.6
47.5°	453.5	404.8	352.7	302.5	256.1	214.1	177.5	149.6	134.1	131.8
50°	469.6	418.0	364.0	311.8	263.7	220.3	181.7	152.1	135.5	133.2
52.5°	482.0	429.0	373.0	319.2	269.9	224.8	185.1	153.8	136.3	133.8
55°	492.4	438.0	380.3	324.8	274.7	228.7	187.6	154.7	136.3	133.8
57.5°	501.2	445.1	386.2	329.9	278.3	231.3	189.3	154.9	135.5	133.0
60°	508.8	451.6	391.0	333.8	281.7	233.8	190.4	154.9	134.7	131.8
62.5°	515.0	456.1	394.7	336.9	284.2	235.8	191.0	154.4	133.0	130.1
65°	518.6	459.2	396.9	338.6	285.6	236.3	191.0	153.5	131.3	128.5
67.5°	*521.7*	*461.1*	*398.3*	*339.5*	*286.5*	*236.9*	*190.7*	*152.1*	*129.6*	*126.8*
70°	523.1	462.0	398.9	340.0	287.1	236.6	189.9	151.0	127.9	124.5
72.5°	523.4	462.3	398.6	340.0	287.1	236.6	189.0	149.3	125.9	122.8
75°	522.8	461.4	397.8	339.7	286.8	235.8	188.2	147.9	124.2	120.9
77.5°	521.2	459.7	396.4	338.6	285.4	234.9	186.5	146.2	122.3	119.2
80°	518.3	456.9	394.1	336.6	283.7	233.3	185.1	144.5	120.6	117.5
82.5°	514.1	453.3	391.3	334.1	282.0	231.3	183.4	142.8	118.9	115.8
85°	509.0	448.8	387.1	331.0	279.4	229.0	181.1	140.9	117.2	114.1
87.5°	502.0	443.1	382.6	327.3	276.1	226.2	178.6	139.2	115.8	112.7
90°	495.2	436.9	377.8	323.4	273.0	223.7	176.3	137.2	114.7	111.6
92.5°	487.3	429.6	371.8	318.9	268.7	220.3	174.1	135.5	113.5	110.7
95°	478.3	421.7	365.7	313.5	264.8	216.9	171.3	133.8	112.4	109.9
97.5°	468.2	413.3	358.9	307.9	260.0	213.2	168.7	132.4	111.8	109.0
100°	457.8	403.7	351.6	302.3	255.2	209.3	166.2	131.0	111.6	109.0
102.5°	445.9	394.9	344.2	296.6	250.4	205.6	163.7	130.1	111.6	109.0
105°	434.7	384.8	336.4	290.4	245.6	202.0	161.4	129.6	111.8	109.6
107.5°	422.6	375.2	328.5	284.0	240.3	198.3	159.4	129.0	112.4	110.1
110°	411.3	365.9	321.1	277.8	235.5	194.9	157.5	128.7	113.0	111.0

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

Scaled Data Report

REPORT NUMBER: P1223984
CATALOG NUMBER: FFX-CLB-30-727-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	398.9	355.8	313.0	271.0	230.4	191.0	155.5	128.2	113.5	111.8
115°	385.9	345.1	304.8	264.2	224.5	187.3	153.5	127.9	114.1	112.4
117.5°	371.8	333.5	294.9	256.4	218.3	182.8	150.7	126.8	114.1	112.4
120°	356.6	321.4	284.2	247.9	211.3	177.5	147.9	125.4	113.5	112.1
122.5°	340.0	307.1	271.8	237.2	203.4	171.3	143.7	122.8	112.1	110.7
125°	321.7	291.0	259.2	225.6	193.5	164.2	138.6	120.0	109.9	108.7
127.5°	302.5	274.4	244.0	213.5	184.2	156.6	133.2	115.8	106.8	105.6
130°	281.1	255.8	228.2	200.0	173.2	147.9	126.8	111.0	102.8	101.7
132.5°	260.6	237.5	212.7	187.6	161.7	139.4	119.7	105.6	98.6	97.5
135°	239.2	218.9	196.6	173.0	151.0	130.1	112.7	100.3	93.8	93.0
137.5°	218.3	201.1	180.3	159.4	140.0	121.1	105.9	95.2	89.3	88.7
140°	198.9	182.8	165.4	147.0	129.0	112.7	99.4	89.6	84.8	83.9
142.5°	180.0	166.2	150.4	134.9	118.3	104.5	93.0	84.2	80.3	79.7
145°	162.3	150.7	136.9	122.8	108.7	96.6	86.8	79.4	76.1	75.8
147.5°	145.6	136.1	123.9	112.1	100.3	90.1	81.1	75.5	72.4	72.1
150°	130.4	121.7	112.1	102.0	92.1	83.1	76.3	71.3	68.7	68.5
152.5°	116.1	109.3	101.4	93.2	84.8	77.8	71.6	67.9	65.9	65.6
155°	103.7	98.3	91.8	84.8	78.3	72.7	67.9	65.1	63.4	63.4
157.5°	93.2	88.7	83.9	78.3	73.0	68.5	65.1	62.5	61.1	61.1
160°	84.2	80.3	76.6	72.4	68.7	65.1	62.5	60.6	59.4	59.4
162.5°	76.6	73.8	71.0	67.9	64.8	62.5	60.3	58.9	58.3	58.0
165°	70.4	68.7	66.5	64.2	62.3	60.3	58.9	58.0	57.5	57.5
167.5°	65.6	64.5	62.8	61.4	60.0	58.6	57.7	57.2	56.9	56.9
170°	62.0	61.1	60.0	59.2	58.3	57.5	56.9	56.6	56.3	56.3
172.5°	59.2	58.3	57.7	57.5	56.9	56.6	56.3	56.1	56.1	56.1
175°	57.2	56.6	56.6	56.3	56.1	56.1	55.8	55.8	55.8	56.1
177.5°	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.3	56.3
180°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

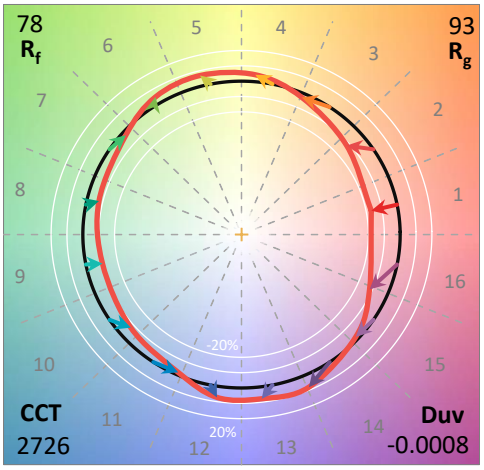
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

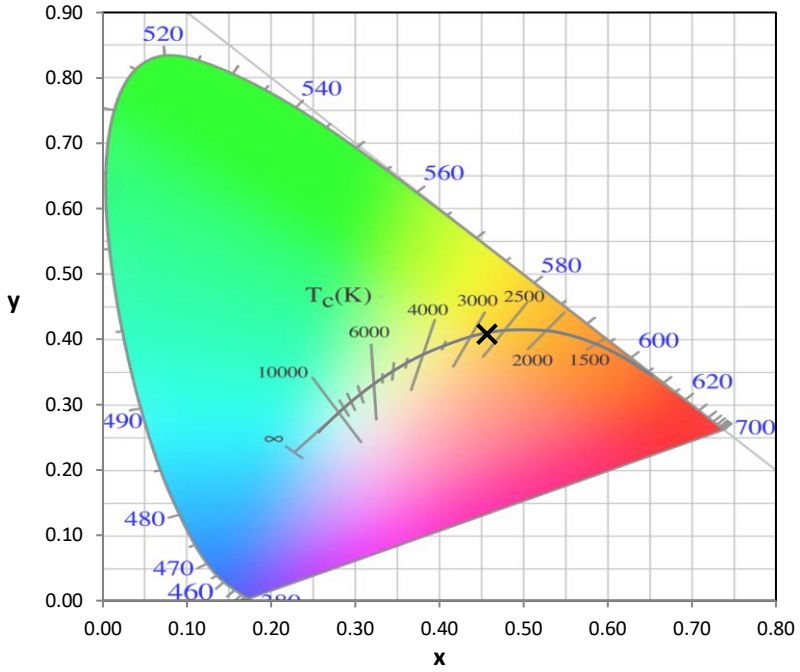
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

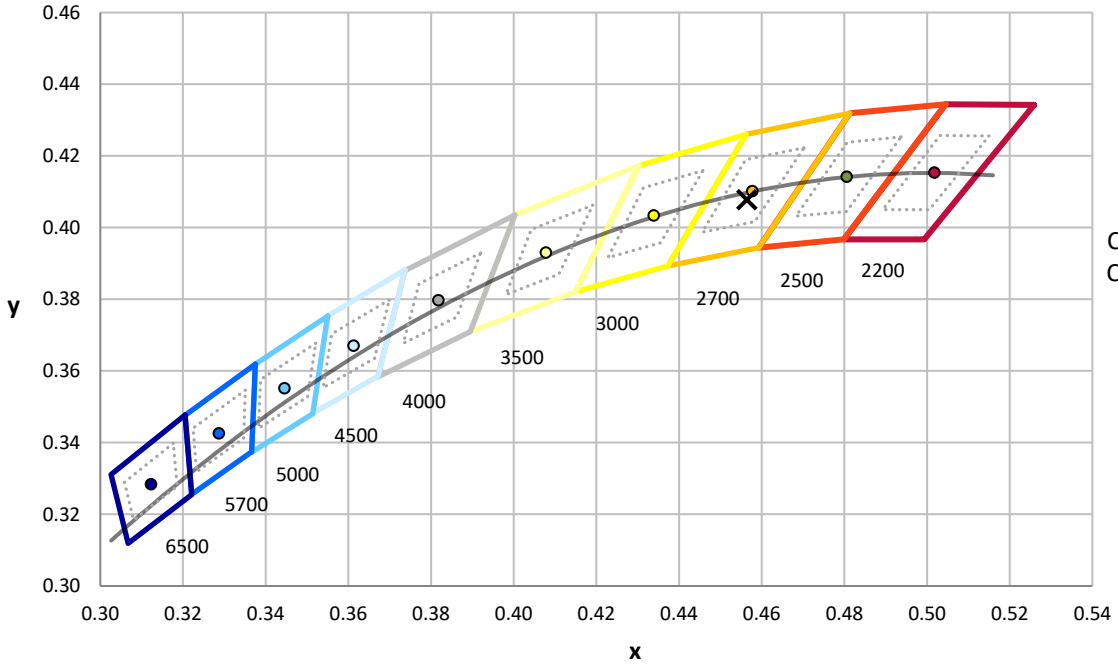
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

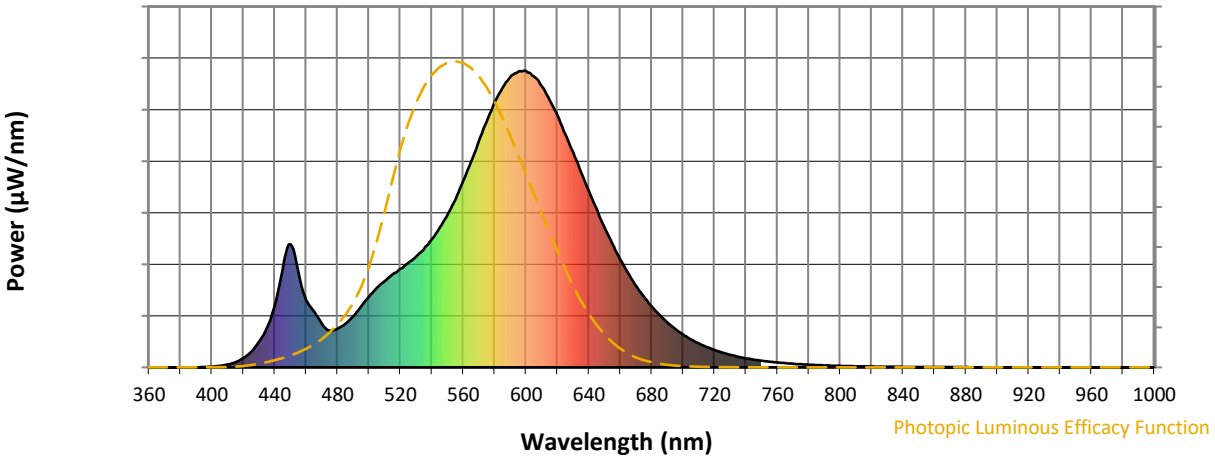


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

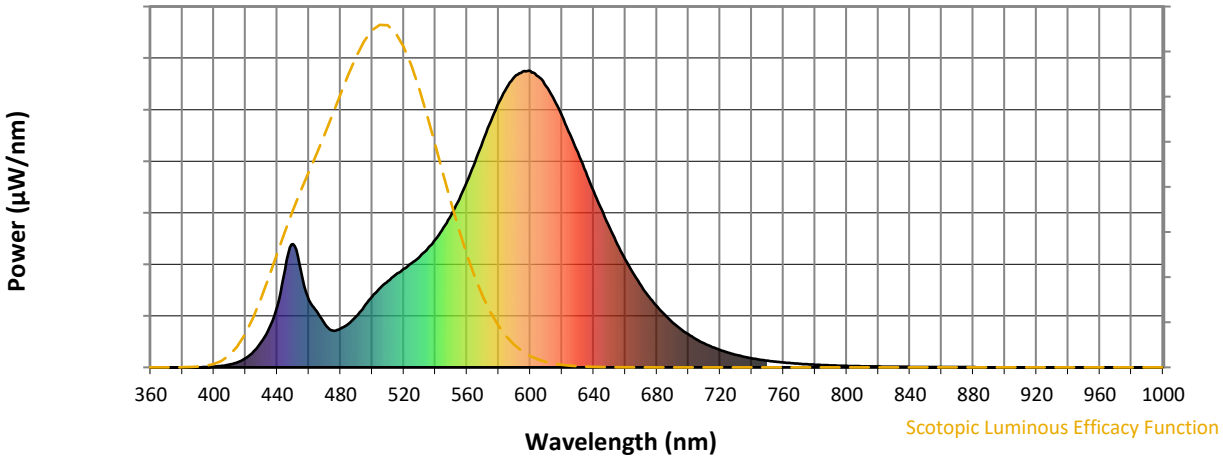


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

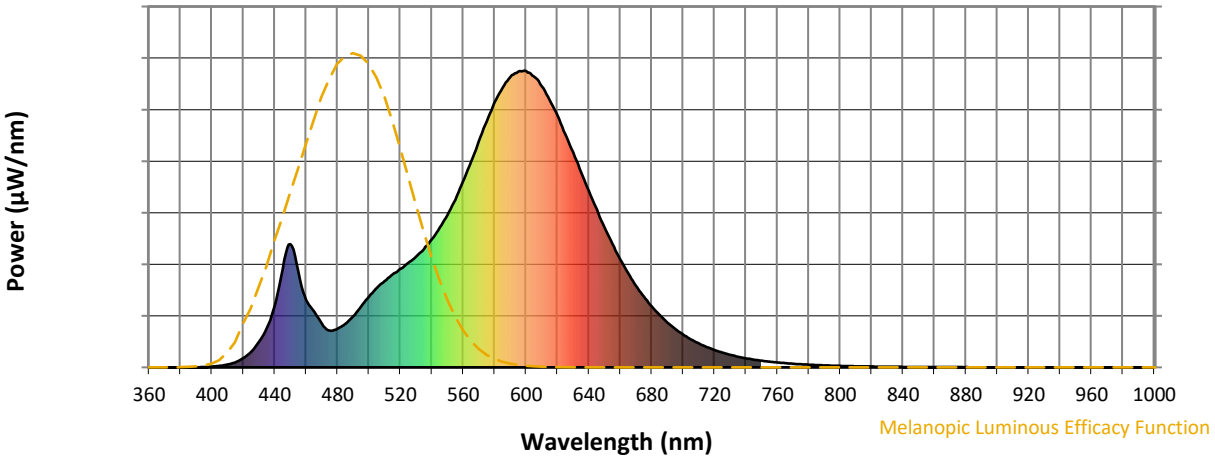


Scotopic Lumens: NR **S/P: 1.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

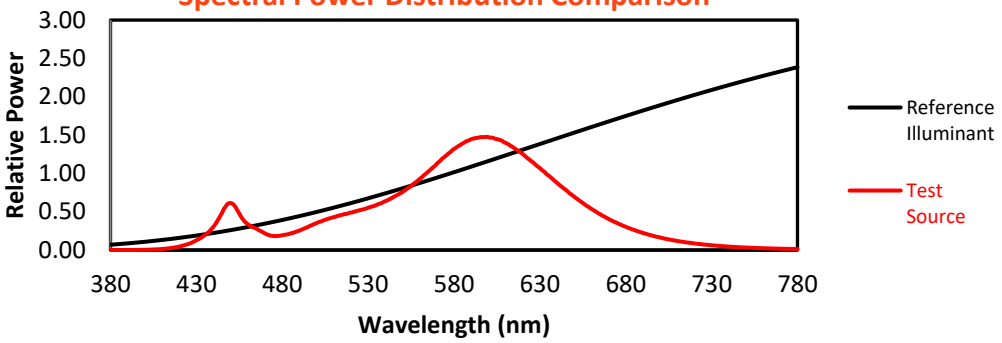
REPORT NUMBER: SP1-2501-332-3

TM-30-18

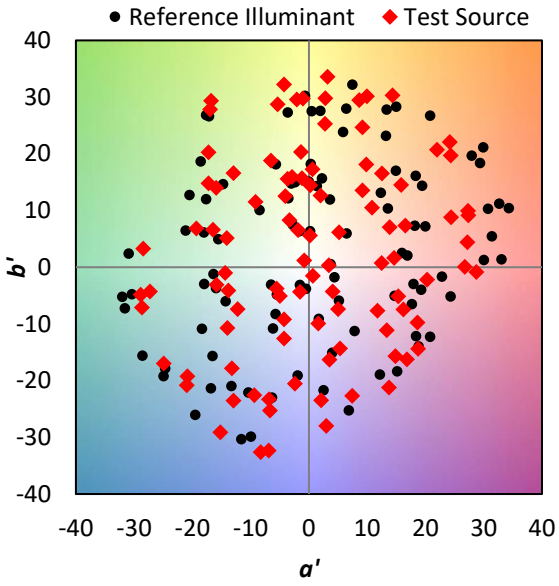
Summary

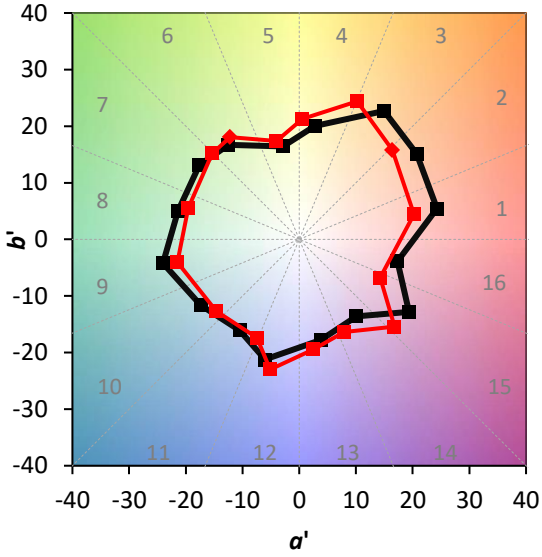
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

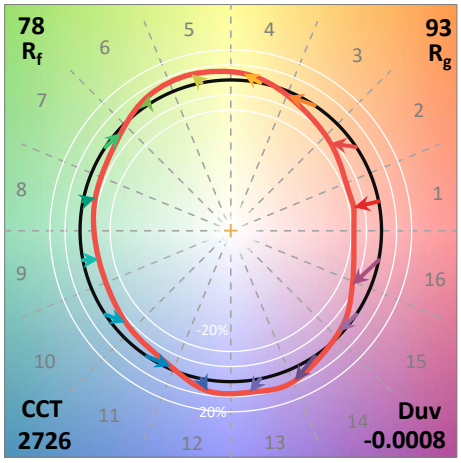
Spectral Power Distribution Comparison

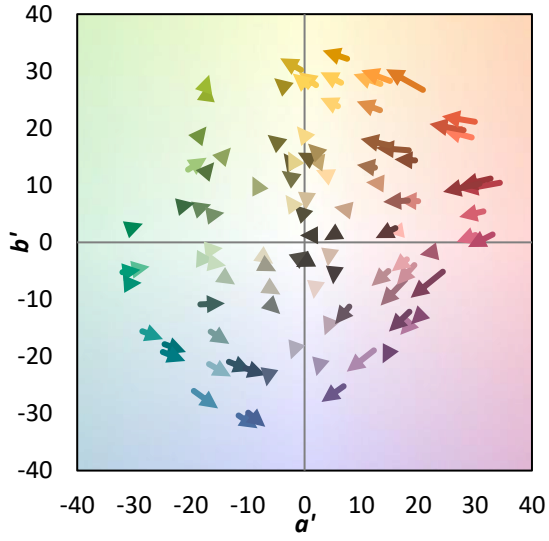


Color Vector Graphics







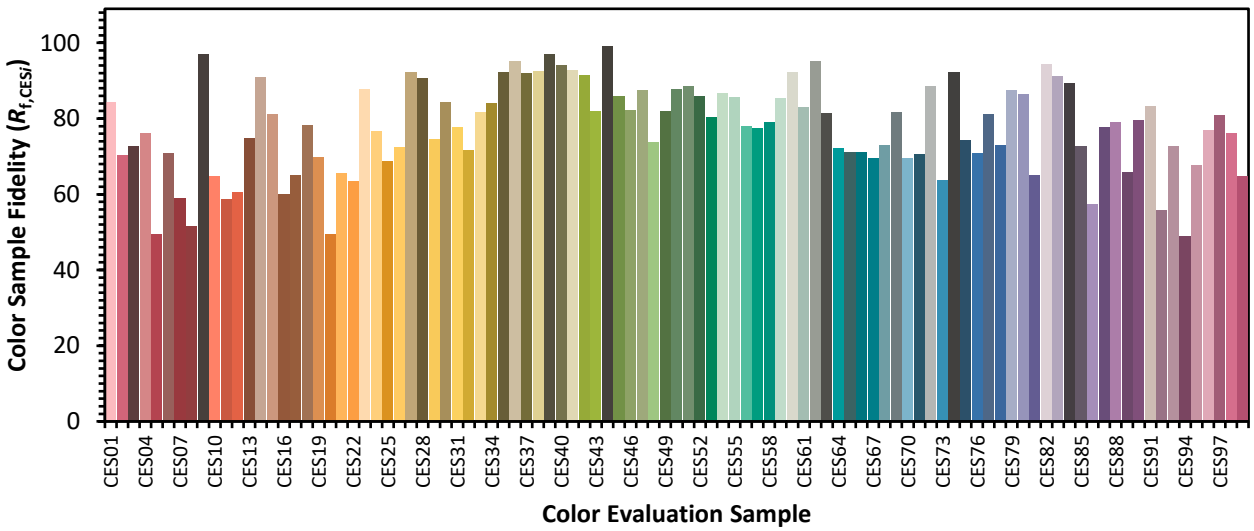


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

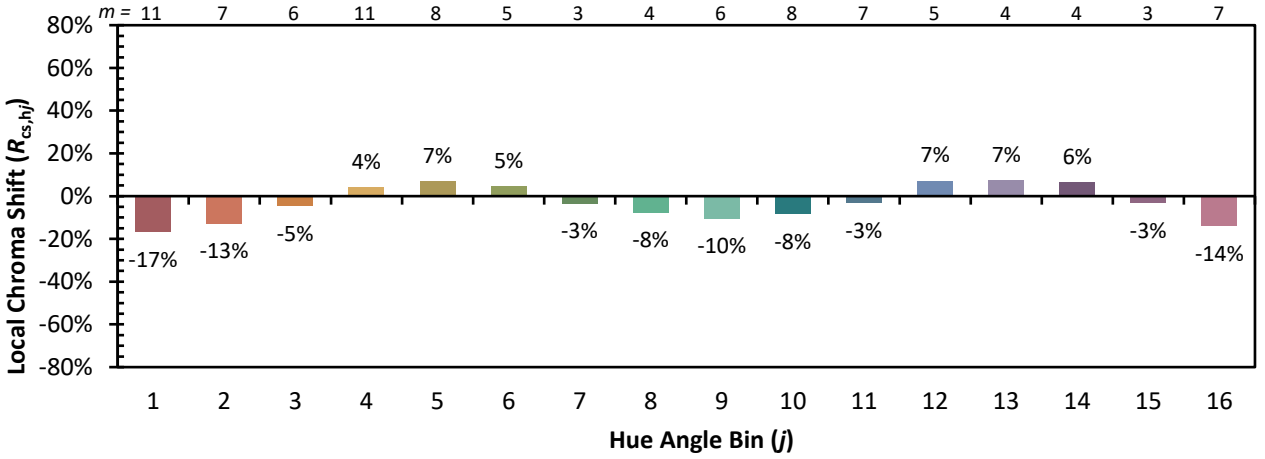
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

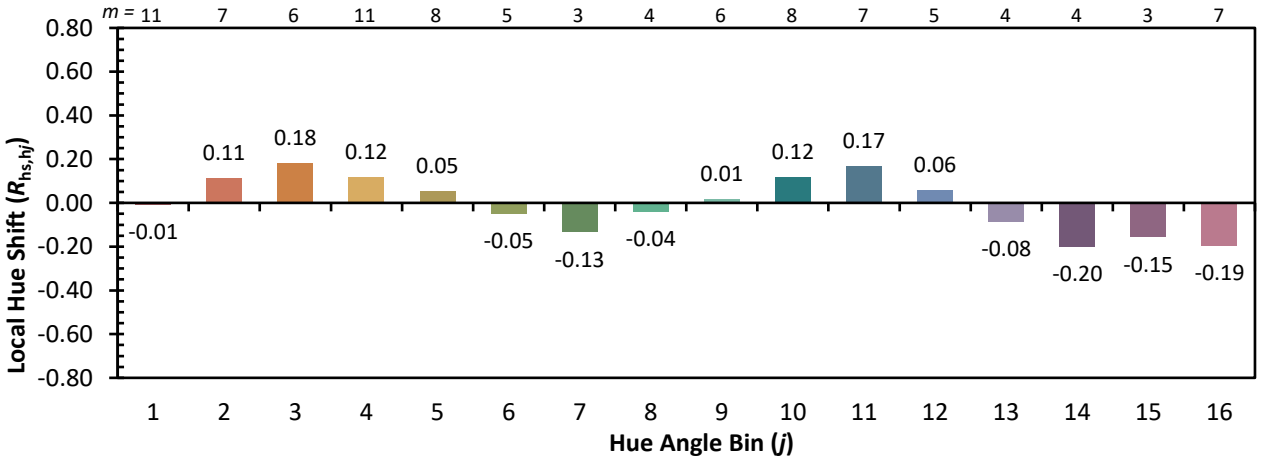


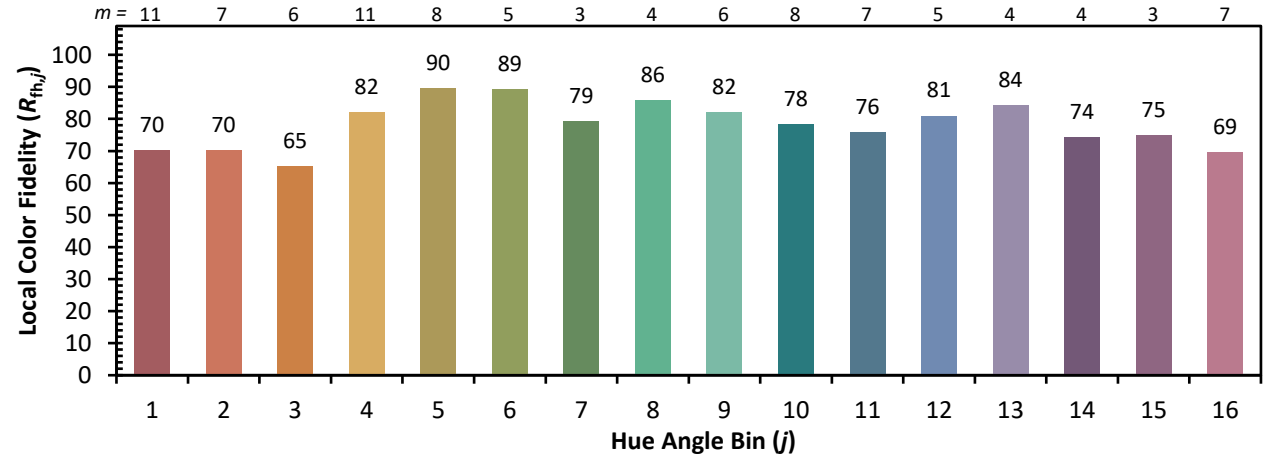
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



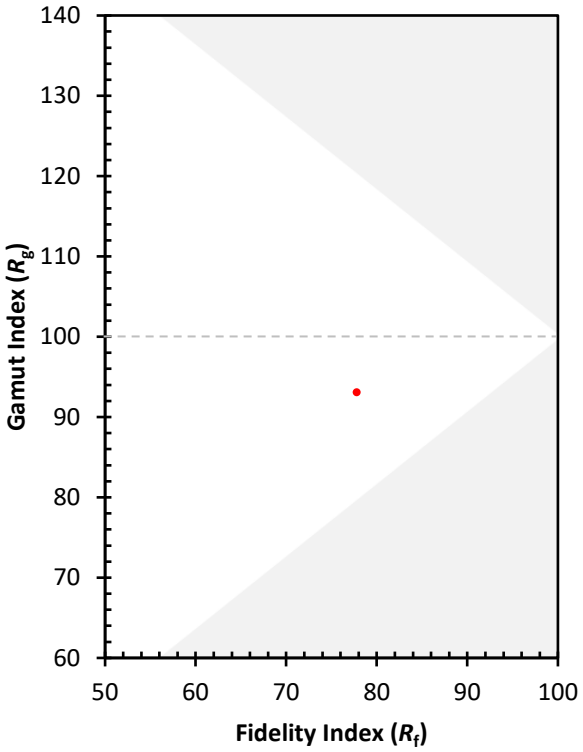


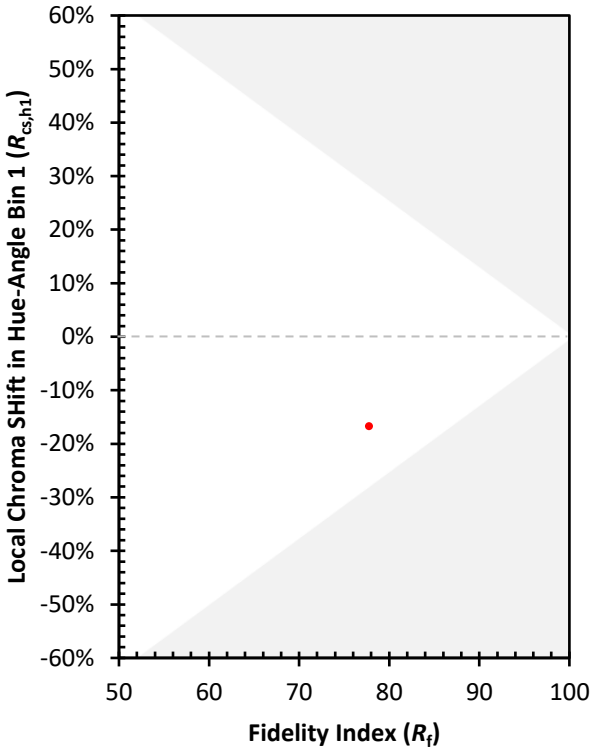


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Measure Comparisons





(END OF REPORT)