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: P1223974

Luminaire Tested: **FFX-CLB-40-722-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:	P1223974
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5079.9 lumens
Efficiency:	N/A
Efficacy:	128.9 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):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

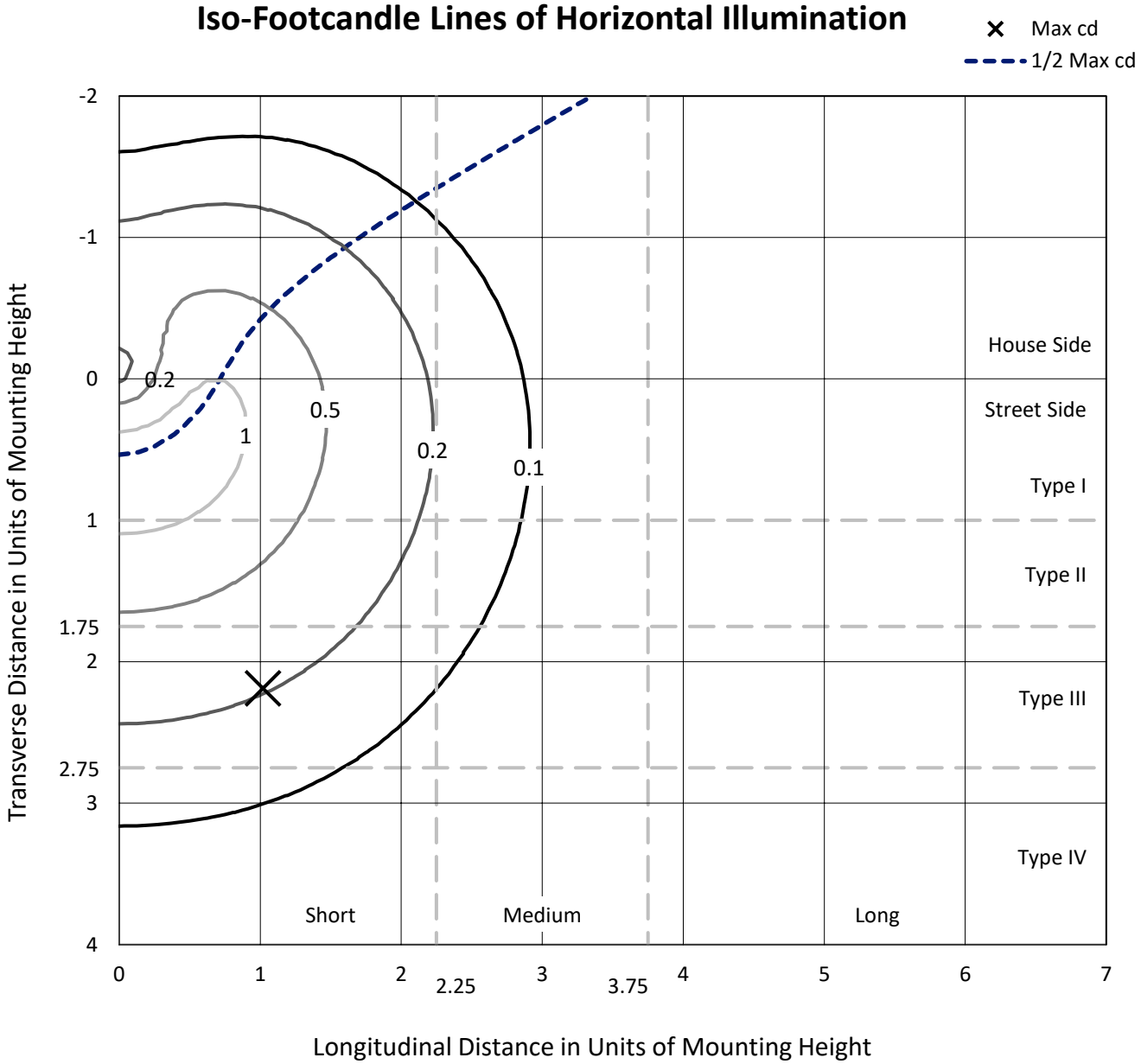


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Iso-Footcandle Lines of Horizontal Illumination



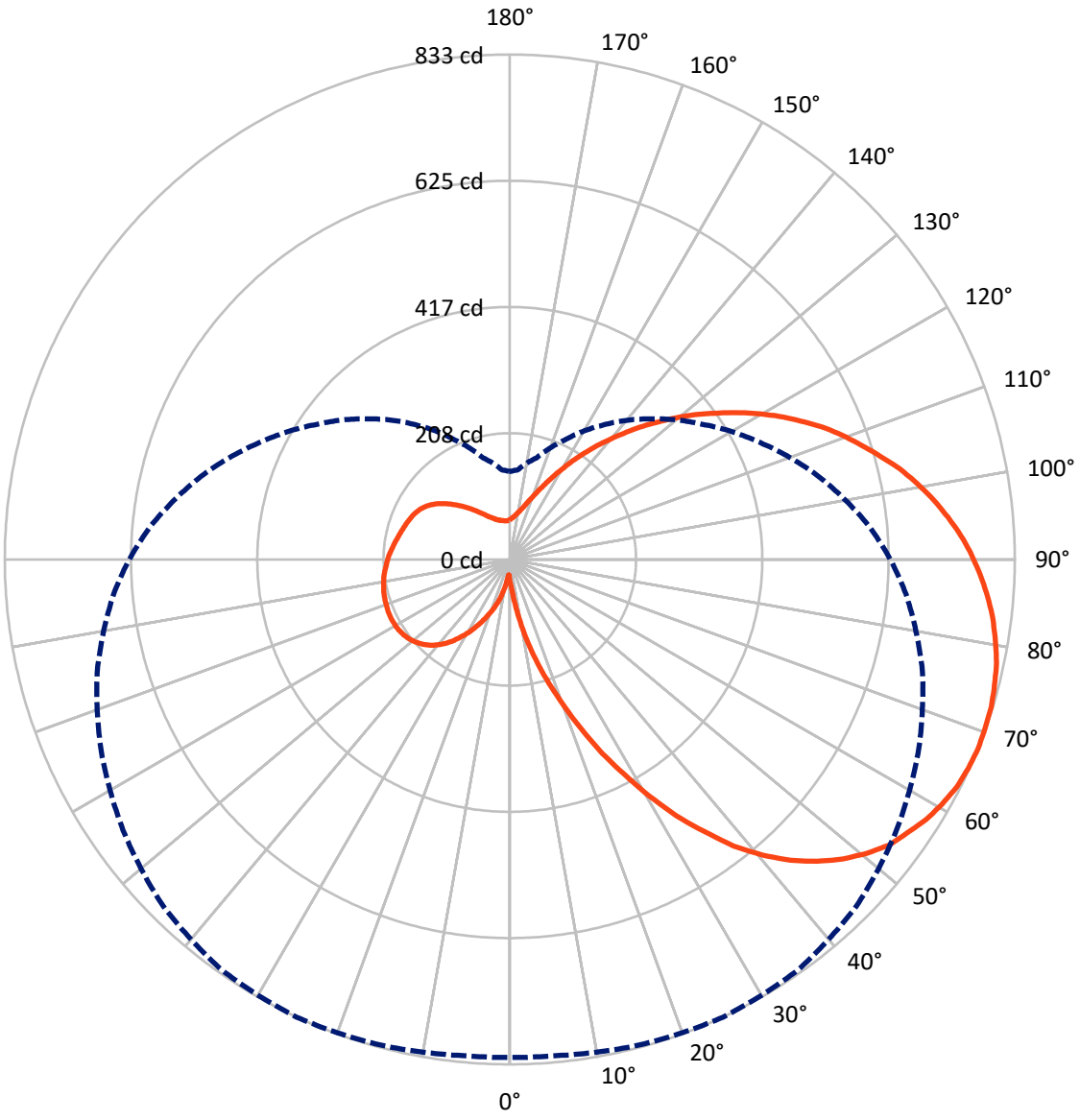
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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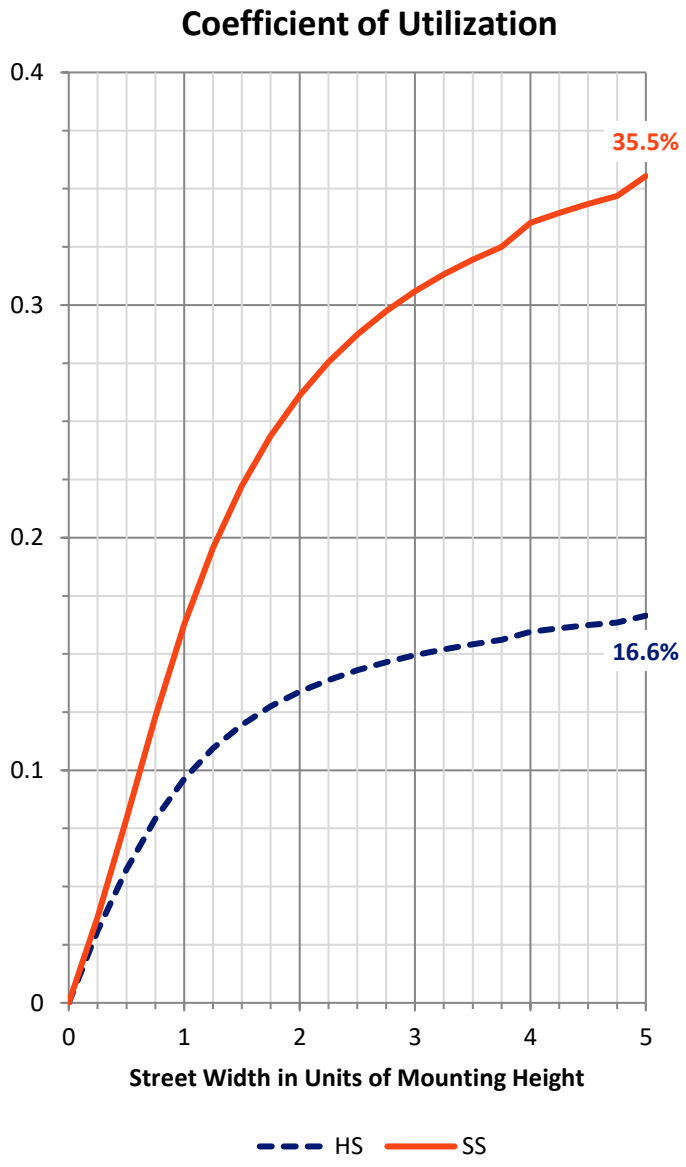
REPORT NUMBER: P1223974
CATALOG NUMBER: FFX-CLB-40-722-U-VM8-T4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	930.3	711.1	1641.4
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	2055.7	1382.8	3438.5
	% Fixture	40.5	27.2	67.7
Total	Lumens	2986.0	2093.9	5079.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	38.6	0.8
20°-30°	115.7	2.3
30°-40°	238.1	4.7
40°-50°	371.8	7.3
50°-60°	481.6	9.5
60°-70°	555.3	10.9
70°-80°	590.9	11.6
80°-90°	588.3	11.6
90°-100°	548.8	10.8
100°-110°	479.7	9.4
110°-120°	392.9	7.7
120°-130°	292.2	5.8
130°-140°	190.0	3.7
140°-150°	107.6	2.1
150°-160°	53.1	1.0
160°-170°	23.2	0.5
170°-180°	6.5	0.1
0°-90°	2986.0	58.8
0°-180°	5079.9	100.0



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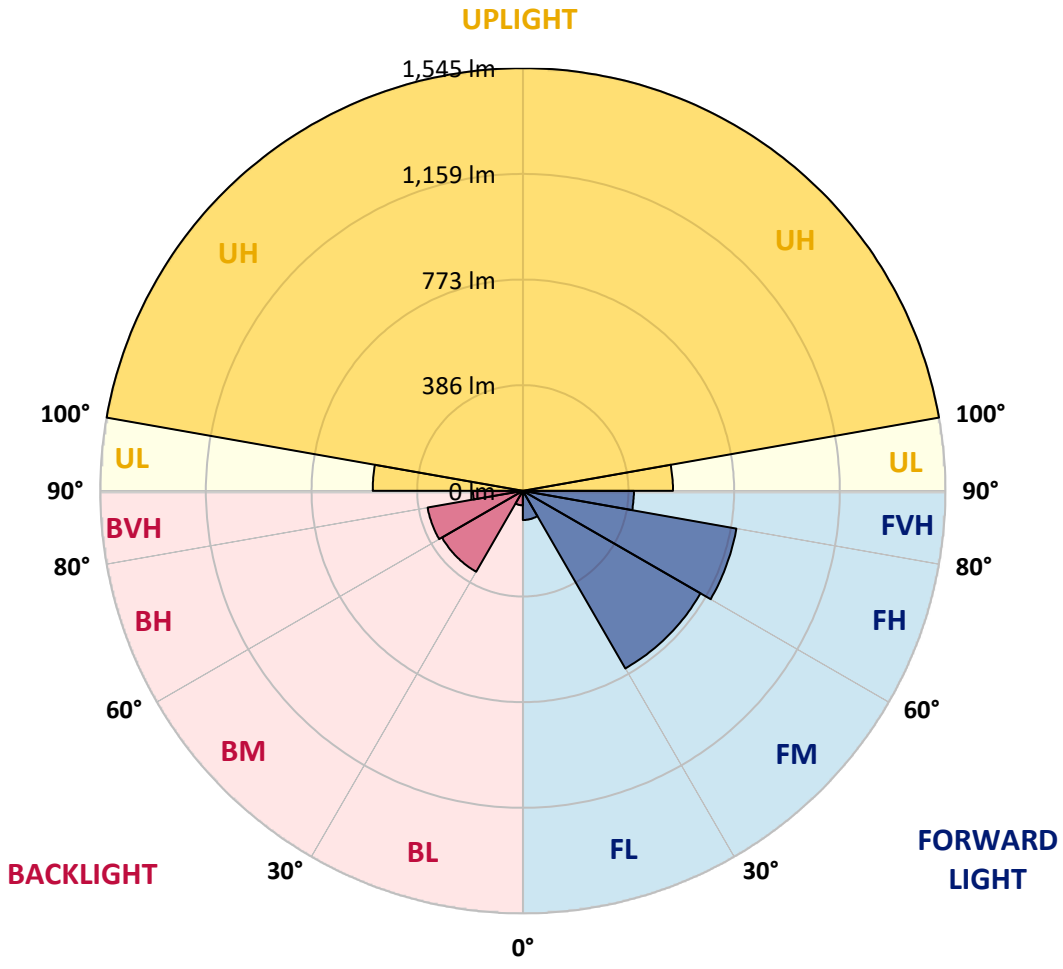
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	106.7	2.1			
FM	(30°-60°)	750.0	14.8			
FH	(60°-80°)	792.8	15.6			G1/1800
FVH	(80°-90°)	406.1	8.0			G3/500
BL	(0°-30°)	53.2	1.0	B0/110		
BM	(30°-60°)	341.6	6.7	B1/1000		
BH	(60°-80°)	353.4	7.0	B1/500		G1/500
BVH	(80°-90°)	182.2	3.6			G2/225
UL	(90°-100°)	548.8	10.8		U4/1000	
UH	(100°-180°)	1545.1	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°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	43.9	43.9	44.2	44.2	43.5	43.9	43.2	42.2	41.6	40.0	39.3
5°	63.8	62.9	63.2	62.6	61.3	60.6	58.0	56.1	52.9	49.3	47.7
7.5°	88.7	89.0	87.7	86.1	85.8	82.2	81.6	75.5	72.9	66.8	65.1
10°	119.3	118.7	117.4	117.1	114.2	110.6	105.1	101.9	93.5	89.0	85.5
12.5°	152.9	153.2	150.9	148.7	146.1	141.2	133.8	128.7	121.9	112.5	108.0
15°	189.0	187.7	187.7	185.1	181.2	175.7	169.9	162.5	152.9	142.9	136.4
17.5°	222.5	225.1	224.1	220.9	217.3	210.6	204.4	194.1	183.5	172.5	164.5
20°	264.4	265.1	263.5	260.6	257.3	249.6	242.2	231.9	218.6	201.5	194.8
22.5°	306.7	308.0	308.0	306.3	301.8	295.1	283.1	271.8	255.4	238.3	227.0
25°	355.4	354.4	355.4	354.4	347.0	340.9	328.6	315.1	297.3	276.4	262.8
27.5°	404.4	405.7	403.1	400.8	397.9	388.3	375.0	357.9	335.7	313.8	299.3
30°	452.1	455.0	455.0	452.4	447.9	438.2	423.4	405.0	380.5	352.8	335.7
32.5°	502.1	503.1	504.3	504.0	498.9	489.5	473.1	448.2	420.8	390.2	373.4
35°	555.0	552.1	552.7	550.8	548.5	536.9	517.9	494.0	464.4	430.2	409.9
37.5°	598.8	597.5	598.5	600.1	594.0	582.1	560.1	532.4	499.8	464.0	443.7
40°	640.4	639.5	641.1	641.4	635.3	621.4	598.2	571.4	536.3	495.0	476.0
42.5°	675.3	675.3	676.9	678.8	672.4	657.5	634.0	602.1	565.9	524.3	501.1
45°	707.5	706.5	709.8	710.7	704.3	689.4	663.0	630.8	592.1	549.8	525.6
47.5°	733.3	733.6	736.8	738.8	733.0	716.2	689.4	655.3	615.0	570.8	545.9
50°	754.6	757.5	760.4	762.6	756.5	739.7	712.0	674.9	634.6	590.1	564.3
52.5°	775.9	775.9	780.4	783.3	776.5	759.1	730.1	694.0	652.7	605.6	580.4
55°	789.4	789.7	795.2	796.2	792.0	773.9	744.3	708.1	666.9	619.5	592.7
57.5°	801.3	801.7	807.8	810.0	804.2	786.8	756.5	719.1	678.8	630.4	603.3
60°	811.7	811.3	816.5	819.7	813.9	795.5	765.9	729.4	688.2	640.4	612.4
62.5°	818.1	818.1	824.2	827.5	821.3	803.3	773.0	736.8	695.6	647.2	619.5
65°	821.0	821.7	827.5	831.3	825.5	807.1	776.8	741.4	700.7	652.7	624.6
67.5°	822.0	822.3	829.4	833.3	827.8	809.1	779.1	744.3	704.6	656.2	627.9
70°	822.6	822.9	828.4	832.3	827.5	808.8	779.7	745.6	706.9	658.2	629.8
72.5°	819.1	820.0	826.2	830.7	824.9	806.5	778.1	745.6	706.5	659.5	630.4
75°	814.6	816.8	822.3	826.2	821.0	803.3	775.5	744.3	706.2	658.8	630.4
77.5°	810.0	810.4	817.5	821.0	815.5	797.5	771.0	741.0	704.3	656.9	628.2
80°	801.0	803.0	809.1	812.3	807.5	790.4	764.6	736.5	700.7	653.6	624.6
82.5°	794.6	793.9	800.1	803.0	798.1	780.4	757.2	729.4	695.6	648.2	619.8
85°	782.3	783.6	788.4	791.0	785.5	769.4	747.2	722.3	688.5	642.0	613.3
87.5°	770.7	771.4	774.6	777.5	772.0	756.5	735.9	712.3	679.8	634.3	606.2
90°	756.2	756.5	760.1	762.3	757.5	743.0	723.9	701.1	670.4	625.6	597.5
92.5°	742.7	742.0	744.6	745.6	741.4	727.2	710.1	688.8	659.1	615.0	587.9
95°	724.9	724.6	726.8	726.2	721.7	709.4	694.0	675.3	645.9	603.7	576.9
97.5°	705.2	705.6	706.9	706.2	701.4	690.1	678.2	659.5	632.4	590.4	564.6
100°	683.3	684.3	686.2	684.3	680.1	671.7	659.1	643.7	616.9	577.2	551.7
102.5°	664.9	662.4	661.7	661.4	657.2	649.8	640.1	626.6	601.7	562.7	538.2
105°	640.7	639.1	638.8	635.3	633.7	627.5	619.5	607.2	585.0	548.2	524.3
107.5°	615.3	615.6	614.3	610.1	607.9	603.7	599.2	588.2	566.9	532.1	510.1
110°	592.4	590.8	587.2	585.3	583.7	580.1	577.2	568.8	549.2	516.6	494.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	564.0	565.0	560.8	*559.5*	556.9	556.6	554.7	547.9	530.5	500.2	479.5
115°	538.5	537.9	533.7	*531.1*	530.1	530.8	532.1	527.2	511.1	482.4	463.4
117.5°	510.5	508.5	505.6	*503.1*	501.8	504.3	507.2	505.0	491.4	464.4	446.3
120°	480.5	480.8	476.6	*474.0*	474.4	478.5	482.4	481.1	468.2	444.0	427.9
122.5°	452.4	450.8	447.3	*444.7*	446.9	451.5	456.0	455.7	444.4	420.8	406.3
125°	421.8	421.5	417.9	*415.3*	417.3	422.4	427.9	428.6	417.9	398.3	383.7
127.5°	392.8	391.8	391.2	*388.3*	389.5	396.6	400.5	400.2	390.8	372.8	360.2
130°	365.0	364.7	360.8	*359.6*	361.2	367.0	370.8	370.2	362.8	347.0	335.7
132.5°	337.0	335.7	334.1	*332.1*	333.4	338.3	343.4	342.8	334.1	318.9	309.9
135°	309.2	308.3	307.0	*305.7*	306.7	311.5	316.0	314.7	307.3	293.8	284.7
137.5°	283.8	282.8	281.2	*279.6*	280.9	284.7	287.6	286.7	280.5	267.7	258.9
140°	257.3	258.0	256.0	*254.8*	255.4	259.3	261.5	260.2	253.5	242.8	235.7
142.5°	233.1	233.1	232.2	*231.9*	232.8	234.8	236.7	234.1	229.6	218.6	212.8
145°	209.9	210.3	209.9	*209.3*	209.6	211.9	212.2	211.2	206.1	198.0	191.5
147.5°	188.0	189.0	188.3	*188.3*	188.6	189.6	190.9	188.6	184.1	177.0	172.5
150°	167.7	168.3	168.3	*167.7*	167.7	169.0	169.0	167.4	163.8	158.0	153.8
152.5°	149.9	150.3	150.3	*149.6*	149.9	150.3	149.6	147.7	144.8	140.3	137.1
155°	133.8	134.5	133.5	*133.8*	132.9	133.2	132.9	131.6	128.3	124.5	122.5
157.5°	119.3	120.3	119.6	*119.6*	119.0	118.7	118.3	117.1	114.8	111.6	109.3
160°	107.7	108.4	107.4	*107.4*	106.7	106.7	105.4	104.8	102.5	99.6	98.4
162.5°	97.7	97.7	97.4	*97.7*	97.4	96.4	95.8	94.5	92.5	90.3	89.3
165°	89.6	89.3	89.3	*89.0*	88.7	88.0	87.1	86.4	84.5	82.6	81.9
167.5°	83.5	83.2	82.9	*82.6*	81.9	81.6	80.6	80.0	78.4	76.7	76.1
170°	78.4	78.4	77.7	*77.4*	77.1	76.4	75.5	74.5	73.2	72.2	71.6
172.5°	73.8	73.8	73.5	*73.2*	72.9	72.2	71.3	70.6	69.7	68.7	68.0
175°	70.6	70.6	70.3	*69.7*	69.3	68.7	68.0	67.4	66.4	65.8	65.5
177.5°	68.0	68.0	68.0	*67.4*	67.1	66.4	65.8	65.1	64.8	64.2	64.2
180°	64.8	64.8	64.8	*64.8*	64.8	64.8	64.8	64.8	64.8	64.8	64.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	38.4	36.4	34.8	32.2	30.0	28.1	26.8	25.8	25.2	24.5
5°	45.8	42.2	38.7	34.8	31.3	28.1	25.5	23.5	22.6	22.6
7.5°	62.6	57.1	51.0	45.5	41.3	37.1	33.2	31.0	29.7	29.0
10°	81.9	73.8	67.7	60.9	53.5	48.4	43.9	41.0	39.3	39.7
12.5°	105.1	95.1	87.4	77.4	69.3	61.3	56.4	52.2	50.3	50.0
15°	130.9	119.3	108.0	96.1	85.5	76.1	69.0	63.5	60.3	60.0
17.5°	158.0	143.5	128.3	114.8	100.9	89.3	79.7	73.2	69.7	69.7
20°	185.4	169.0	151.2	133.5	116.7	102.5	91.3	82.9	78.4	77.7
22.5°	217.0	196.1	174.8	153.2	134.1	116.4	101.9	91.9	87.1	86.1
25°	251.5	226.7	201.2	175.7	152.2	130.9	114.2	102.9	96.1	95.1
27.5°	287.3	257.3	227.3	197.7	170.3	146.7	126.4	111.9	105.1	104.2
30°	322.5	289.6	254.8	219.9	189.0	161.9	138.7	121.9	113.5	112.2
32.5°	357.0	319.6	281.2	242.5	208.6	177.0	149.9	131.9	121.6	120.3
35°	389.9	351.2	306.3	264.7	226.1	192.2	161.9	140.9	129.3	128.0
37.5°	422.1	378.3	331.2	285.4	243.5	205.1	172.8	149.3	136.4	135.1
40°	452.7	404.1	352.8	304.4	258.6	218.0	182.2	156.7	142.2	140.6
42.5°	476.3	426.3	372.8	320.5	271.8	227.7	190.6	162.5	146.7	144.5
45°	499.8	446.3	389.9	334.7	283.5	237.0	197.4	167.7	150.9	148.3
47.5°	519.2	463.4	403.7	346.3	293.1	245.1	203.2	171.2	153.5	150.9
50°	537.6	478.5	416.6	357.0	301.8	252.2	208.0	174.1	155.1	152.5
52.5°	551.7	491.1	427.0	365.4	308.9	257.3	211.9	176.1	156.1	153.2
55°	563.7	501.4	435.3	371.8	314.4	261.8	214.8	177.0	156.1	153.2
57.5°	573.7	509.5	442.1	377.6	318.6	264.7	216.7	177.4	155.1	152.2
60°	582.4	516.9	447.6	382.1	322.5	267.7	218.0	177.4	154.1	150.9
62.5°	589.5	522.1	451.8	385.7	325.4	269.9	218.6	176.7	152.2	149.0
65°	593.7	525.6	454.4	387.6	327.0	270.6	218.6	175.7	150.3	147.0
67.5°	*597.2*	*527.9*	*456.0*	*388.6*	*328.0*	*271.2*	*218.3*	*174.1*	*148.3*	*145.1*
70°	598.8	528.9	456.6	389.2	328.6	270.9	217.3	172.8	146.4	142.5
72.5°	599.2	529.2	456.3	389.2	328.6	270.9	216.4	170.9	144.1	140.6
75°	598.5	528.2	455.3	388.9	328.3	269.9	215.4	169.3	142.2	138.3
77.5°	596.6	526.3	453.7	387.6	326.7	268.9	213.5	167.4	140.0	136.4
80°	593.3	523.0	451.1	385.4	324.7	267.0	211.9	165.4	138.0	134.5
82.5°	588.5	518.9	447.9	382.5	322.8	264.7	209.9	163.5	136.1	132.5
85°	582.7	513.7	443.1	378.9	319.9	262.2	207.3	161.2	134.1	130.6
87.5°	574.6	507.2	437.9	374.7	316.0	258.9	204.4	159.3	132.5	129.0
90°	566.9	500.2	432.4	370.2	312.5	256.0	201.9	157.0	131.2	127.7
92.5°	557.9	491.8	425.7	365.0	307.6	252.2	199.3	155.1	130.0	126.7
95°	547.6	482.7	418.6	358.9	303.1	248.3	196.1	153.2	128.7	125.8
97.5°	535.9	473.1	410.8	352.5	297.6	244.1	193.2	151.6	128.0	124.8
100°	524.0	462.1	402.4	346.0	292.2	239.6	190.3	149.9	127.7	124.8
102.5°	510.5	452.1	394.1	339.6	286.7	235.4	187.4	149.0	127.7	124.8
105°	497.6	440.5	385.0	332.5	281.2	231.2	184.8	148.3	128.0	125.4
107.5°	483.7	429.5	376.0	325.1	275.1	227.0	182.5	147.7	128.7	126.1
110°	470.8	418.9	367.6	318.0	269.6	223.1	180.3	147.4	129.3	127.1

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

Scaled Data Report

REPORT NUMBER: P1223974
CATALOG NUMBER: FFX-CLB-40-722-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	456.6	407.3	358.3	310.2	263.8	218.6	178.0	146.7	130.0	128.0
115°	441.8	395.0	348.9	302.5	257.0	214.4	175.7	146.4	130.6	128.7
117.5°	425.7	381.8	337.6	293.4	249.9	209.3	172.5	145.1	130.6	128.7
120°	408.2	367.9	325.4	283.8	241.9	203.2	169.3	143.5	130.0	128.3
122.5°	389.2	351.5	311.2	271.5	232.8	196.1	164.5	140.6	128.3	126.7
125°	368.3	333.1	296.7	258.3	221.5	188.0	158.7	137.4	125.8	124.5
127.5°	346.3	314.1	279.3	244.4	210.9	179.3	152.5	132.5	122.2	120.9
130°	321.8	292.8	261.2	229.0	198.3	169.3	145.1	127.1	117.7	116.4
132.5°	298.3	271.8	243.5	214.8	185.1	159.6	137.1	120.9	112.9	111.6
135°	273.8	250.6	225.1	198.0	172.8	149.0	129.0	114.8	107.4	106.4
137.5°	249.9	230.2	206.4	182.5	160.3	138.7	121.2	109.0	102.2	101.6
140°	227.7	209.3	189.3	168.3	147.7	129.0	113.8	102.5	97.1	96.1
142.5°	206.1	190.3	172.2	154.5	135.4	119.6	106.4	96.4	91.9	91.3
145°	185.7	172.5	156.7	140.6	124.5	110.6	99.3	90.9	87.1	86.7
147.5°	166.7	155.8	141.9	128.3	114.8	103.2	92.9	86.4	82.9	82.6
150°	149.3	139.3	128.3	116.7	105.4	95.1	87.4	81.6	78.7	78.4
152.5°	132.9	125.1	116.1	106.7	97.1	89.0	81.9	77.7	75.5	75.1
155°	118.7	112.5	105.1	97.1	89.6	83.2	77.7	74.5	72.6	72.6
157.5°	106.7	101.6	96.1	89.6	83.5	78.4	74.5	71.6	70.0	70.0
160°	96.4	91.9	87.7	82.9	78.7	74.5	71.6	69.3	68.0	68.0
162.5°	87.7	84.5	81.3	77.7	74.2	71.6	69.0	67.4	66.8	66.4
165°	80.6	78.7	76.1	73.5	71.3	69.0	67.4	66.4	65.8	65.8
167.5°	75.1	73.8	71.9	70.3	68.7	67.1	66.1	65.5	65.1	65.1
170°	70.9	70.0	68.7	67.7	66.8	65.8	65.1	64.8	64.5	64.5
172.5°	67.7	66.8	66.1	65.8	65.1	64.8	64.5	64.2	64.2	64.2
175°	65.5	64.8	64.8	64.5	64.2	64.2	63.8	63.8	63.8	64.2
177.5°	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.5	64.5
180°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8

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: SP1-2501-332-2

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

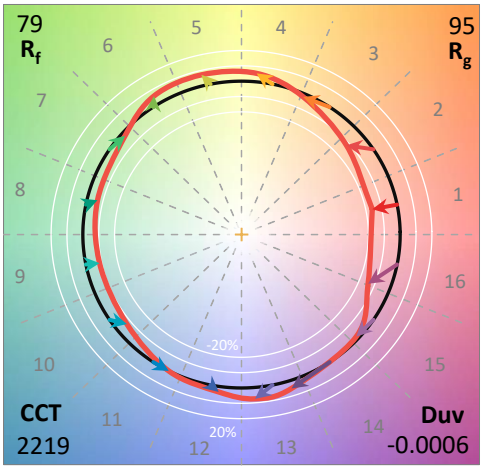
Test Information

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

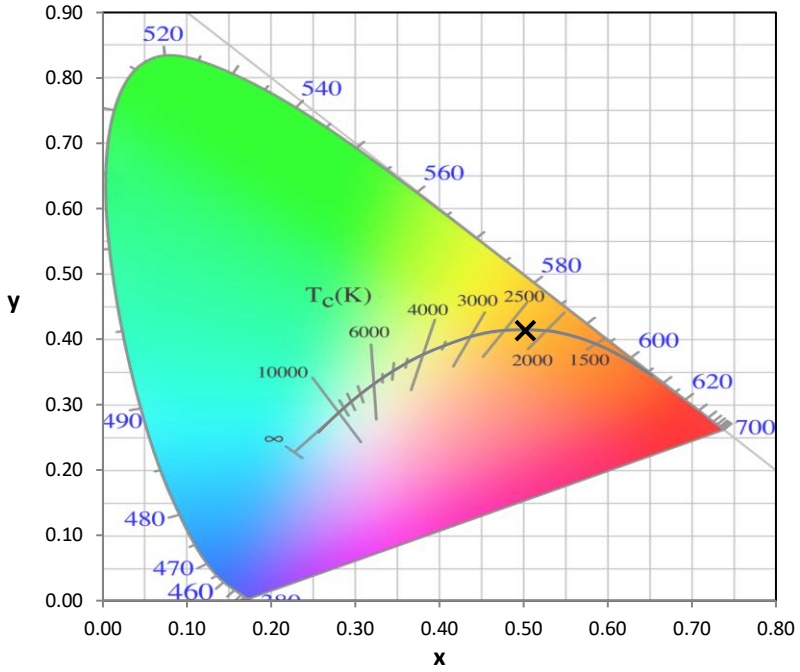
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

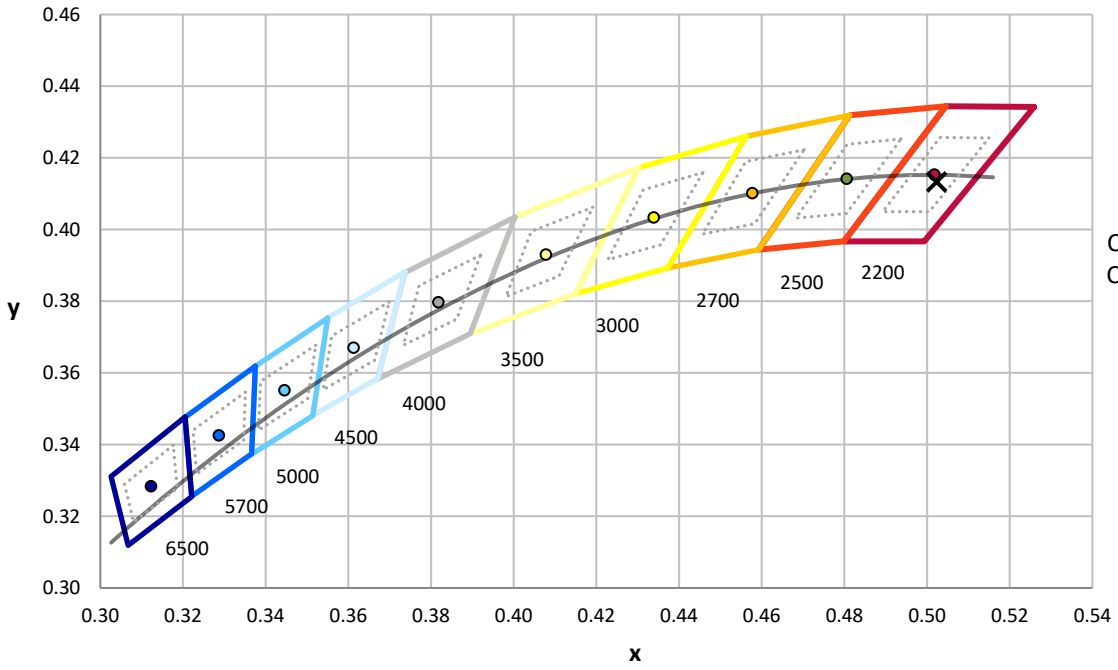
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

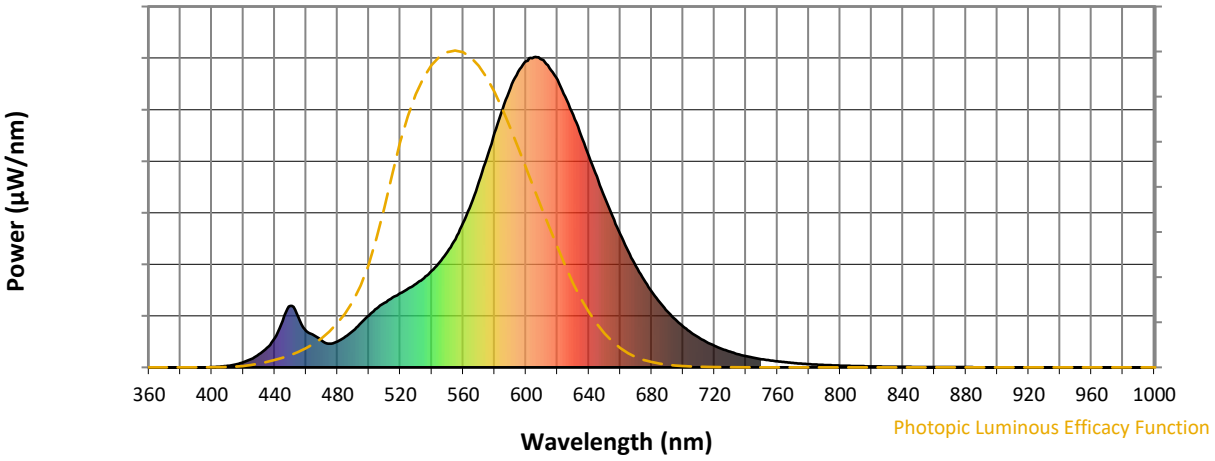


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

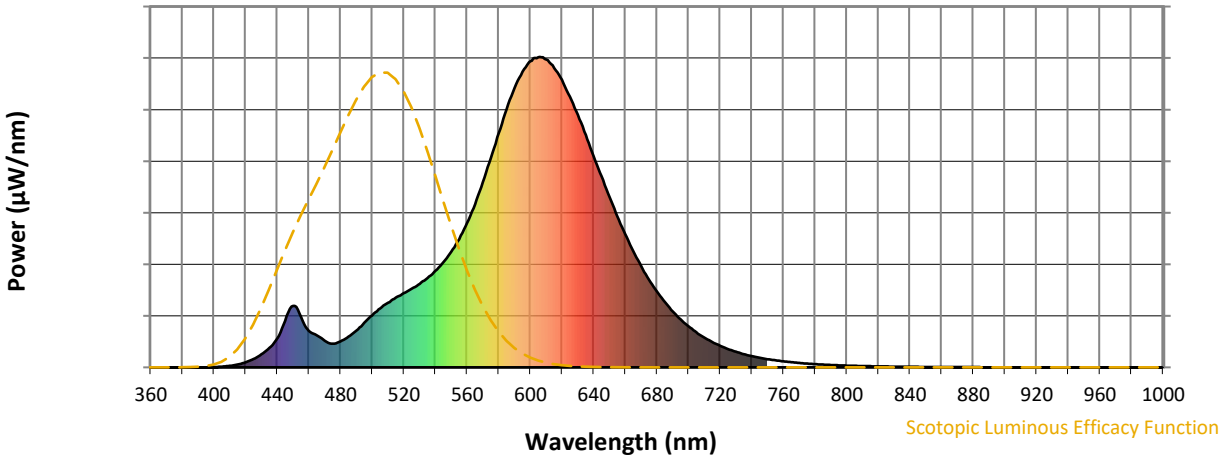


Photopic Lumens: NR

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

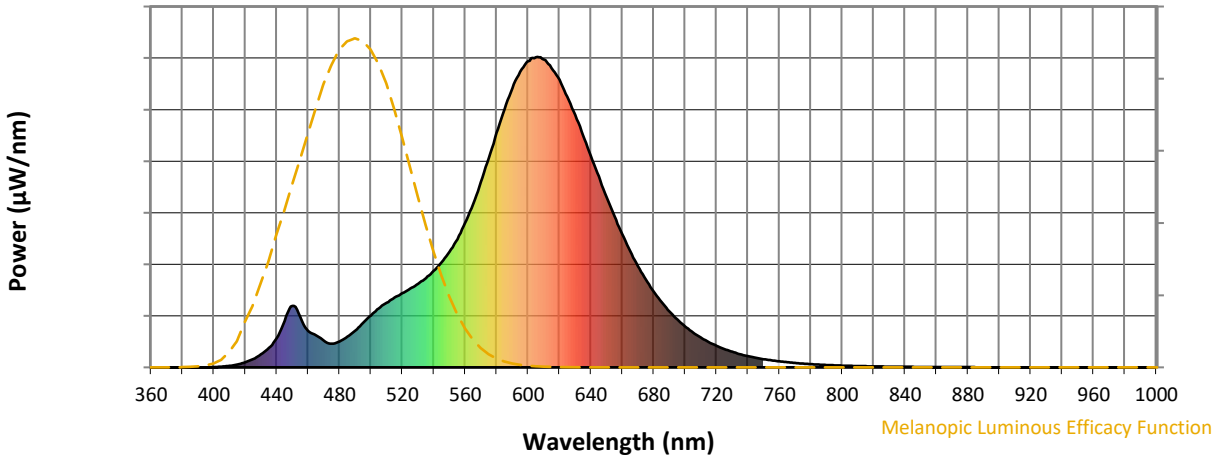


Scotopic Lumens: NR **S/P: 0.94**

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			

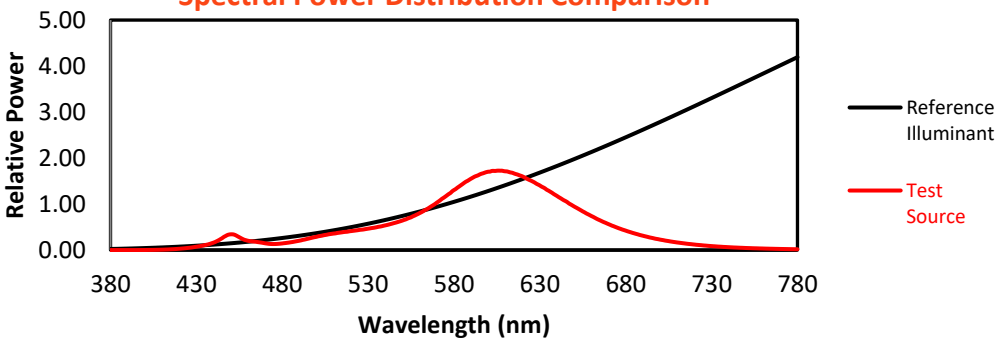
REPORT NUMBER: SP1-2501-332-2

TM-30-18

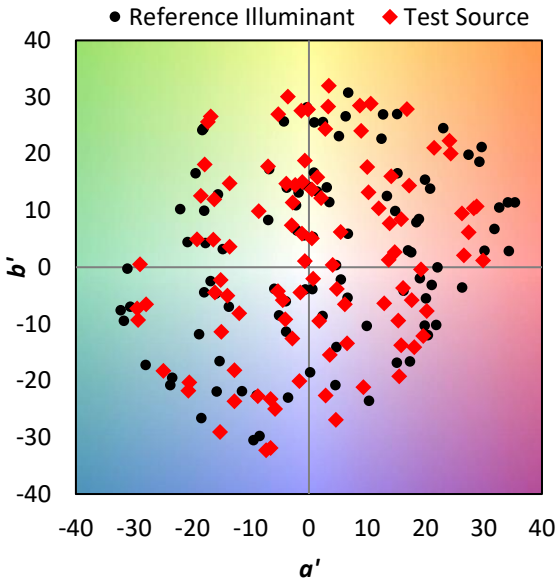
Summary

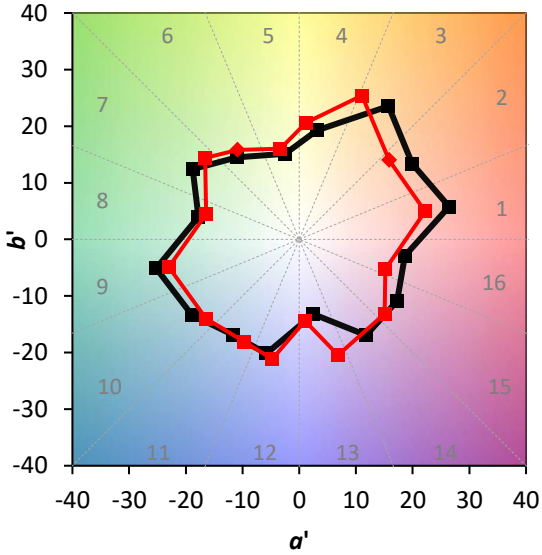
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

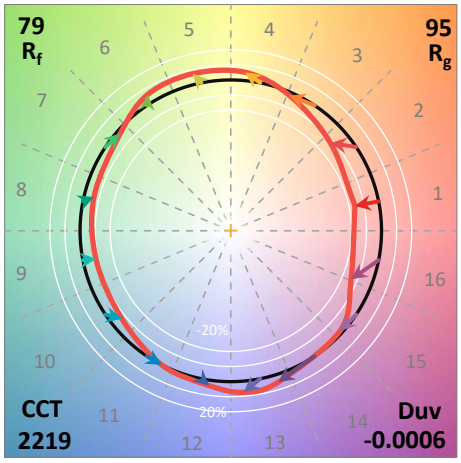
Spectral Power Distribution Comparison

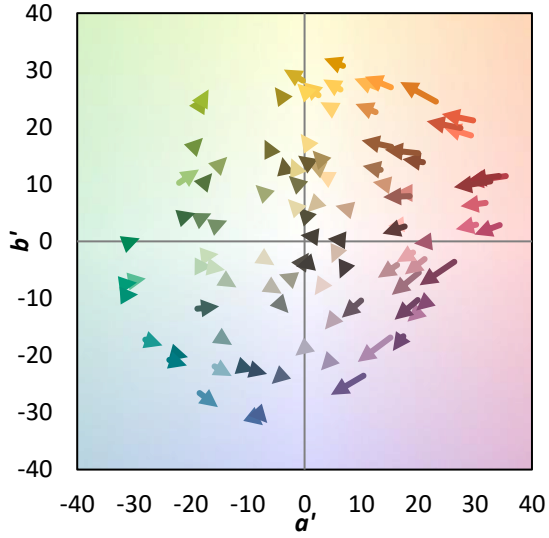


Color Vector Graphics







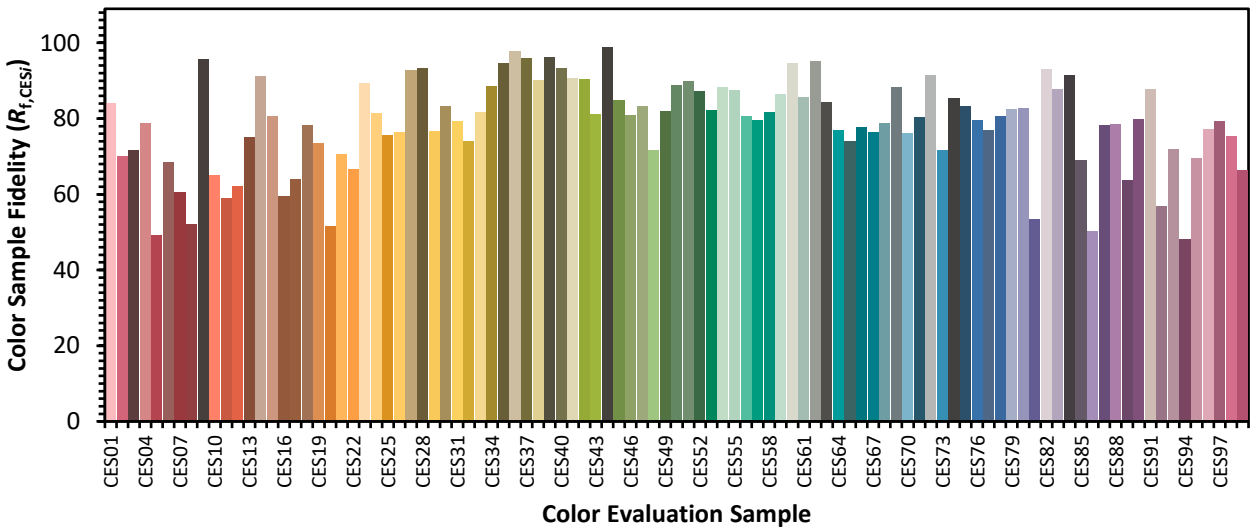


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

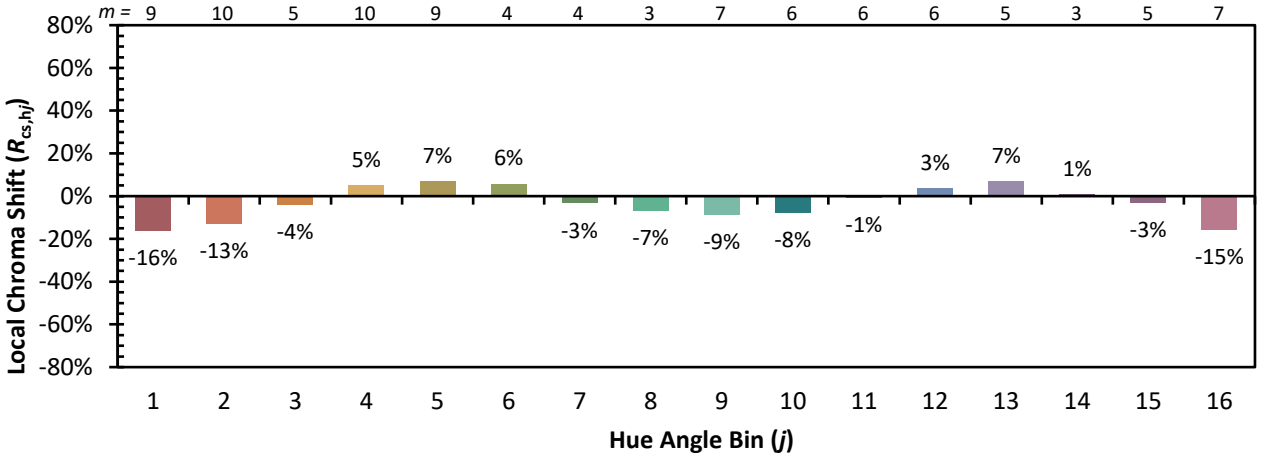
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

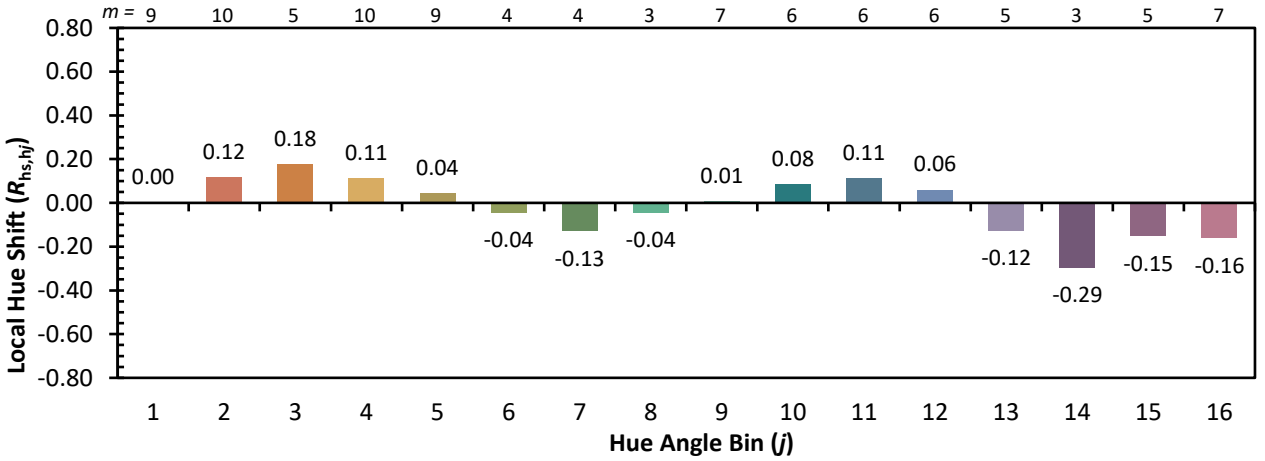


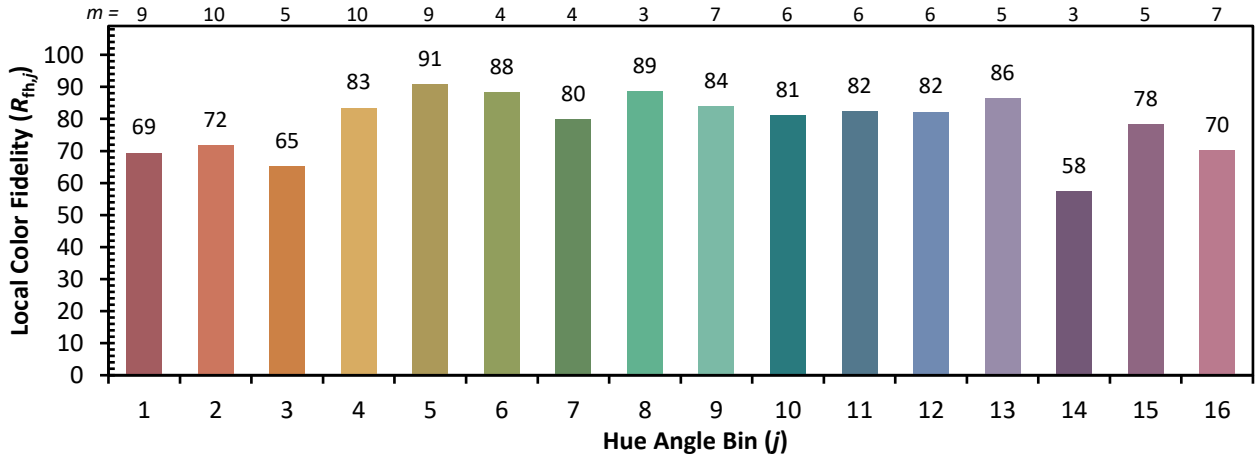
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



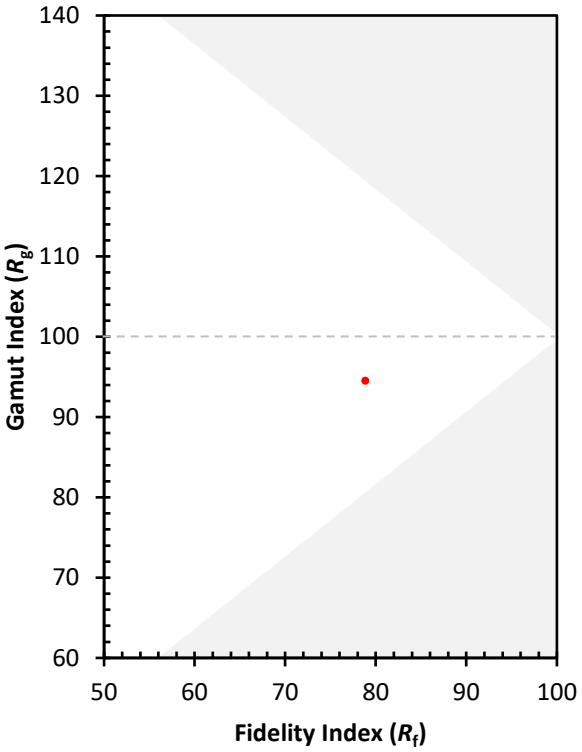


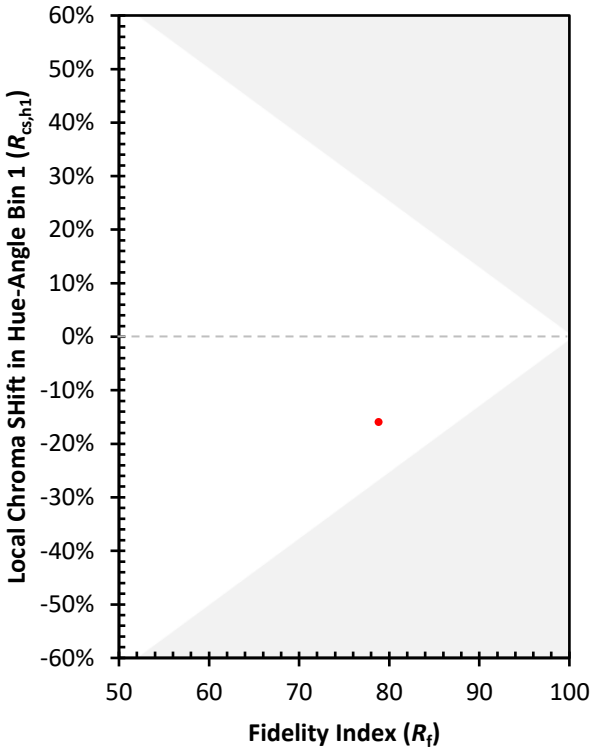


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TM-30-18

Measure Comparisons





(END OF REPORT)