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: P1223884

Luminaire Tested: **FFX-CLB-40-722-U-VM9-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:	P1223884
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-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 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:	5080 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

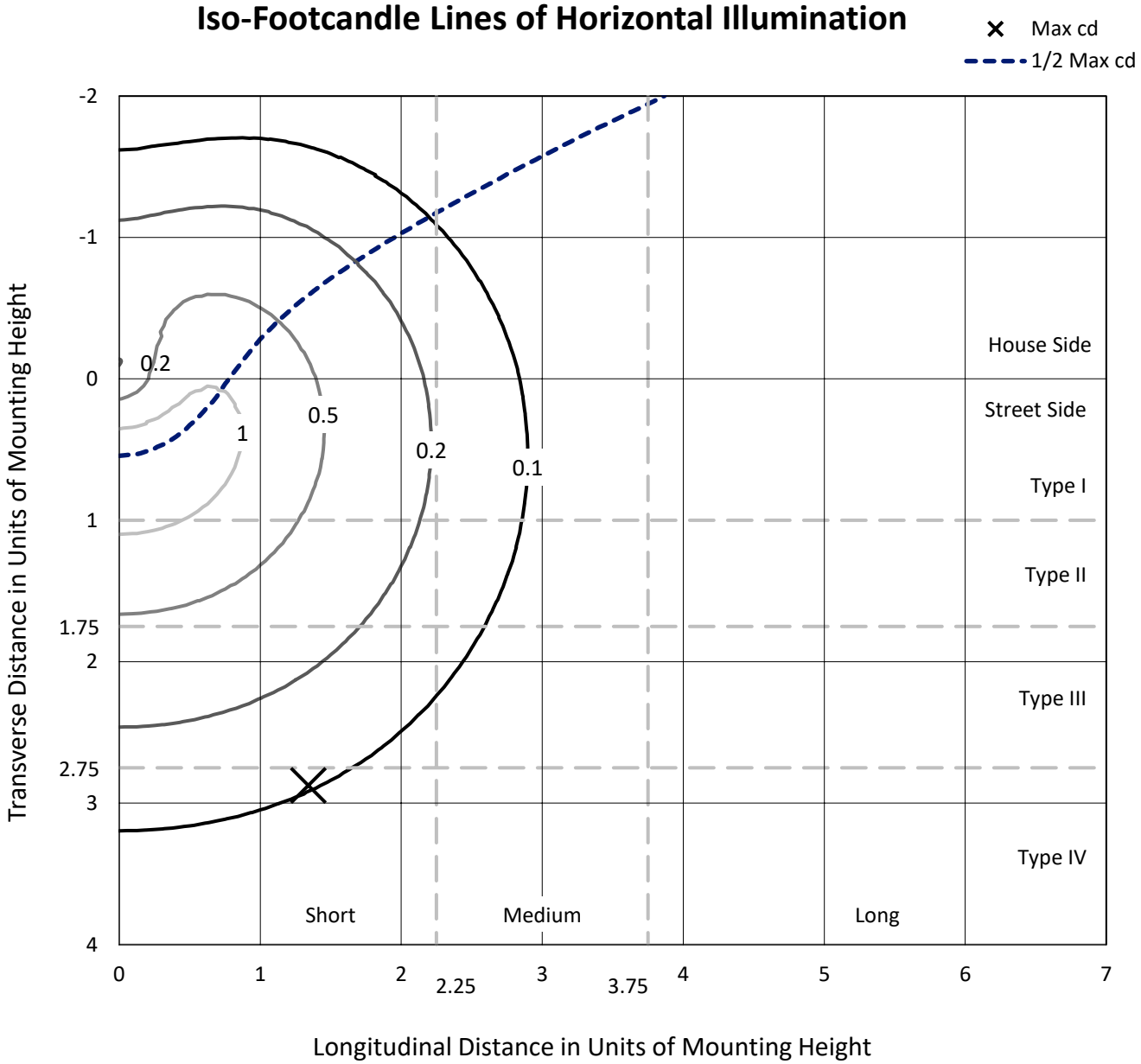


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Iso-Footcandle Lines of Horizontal Illumination



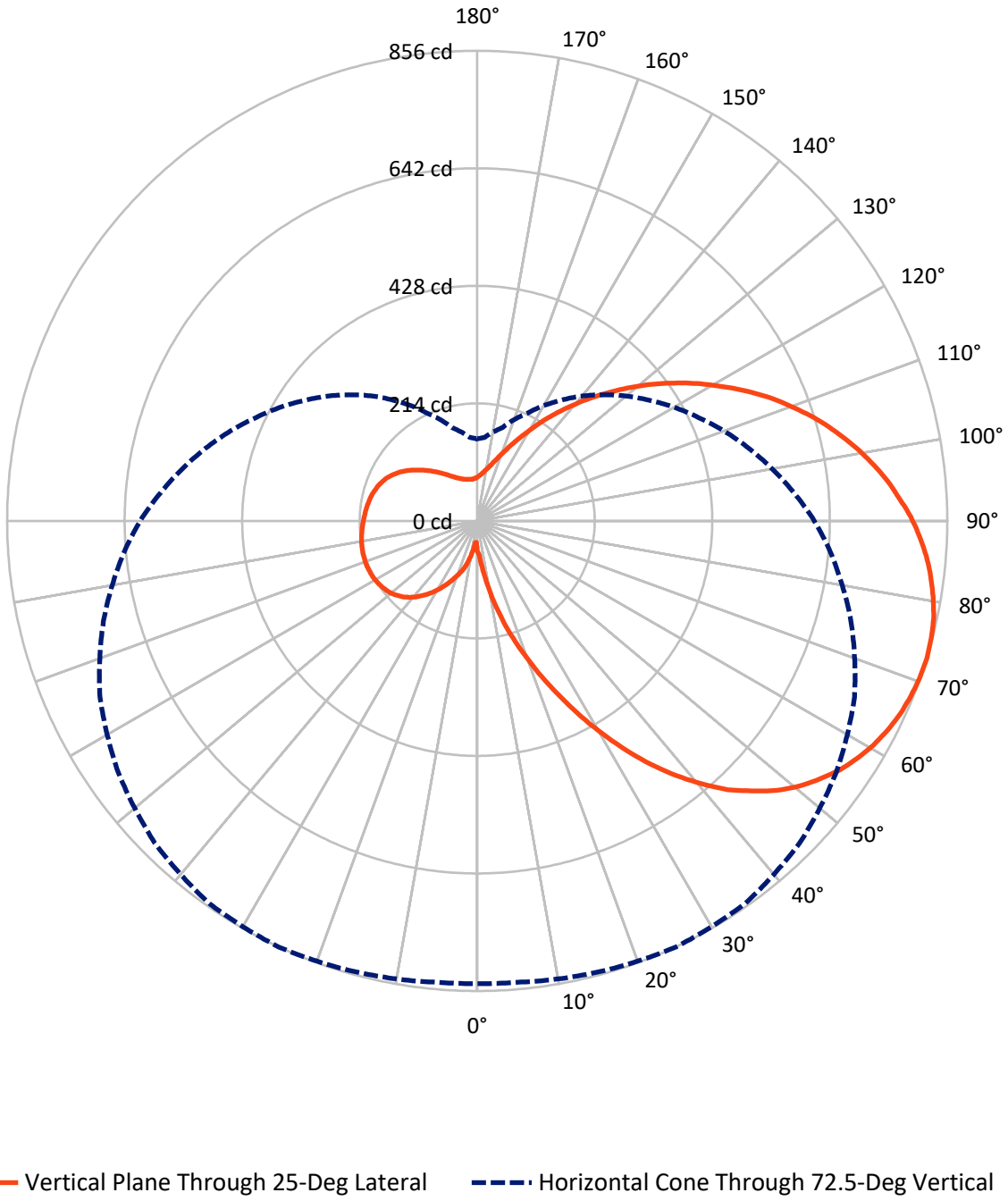
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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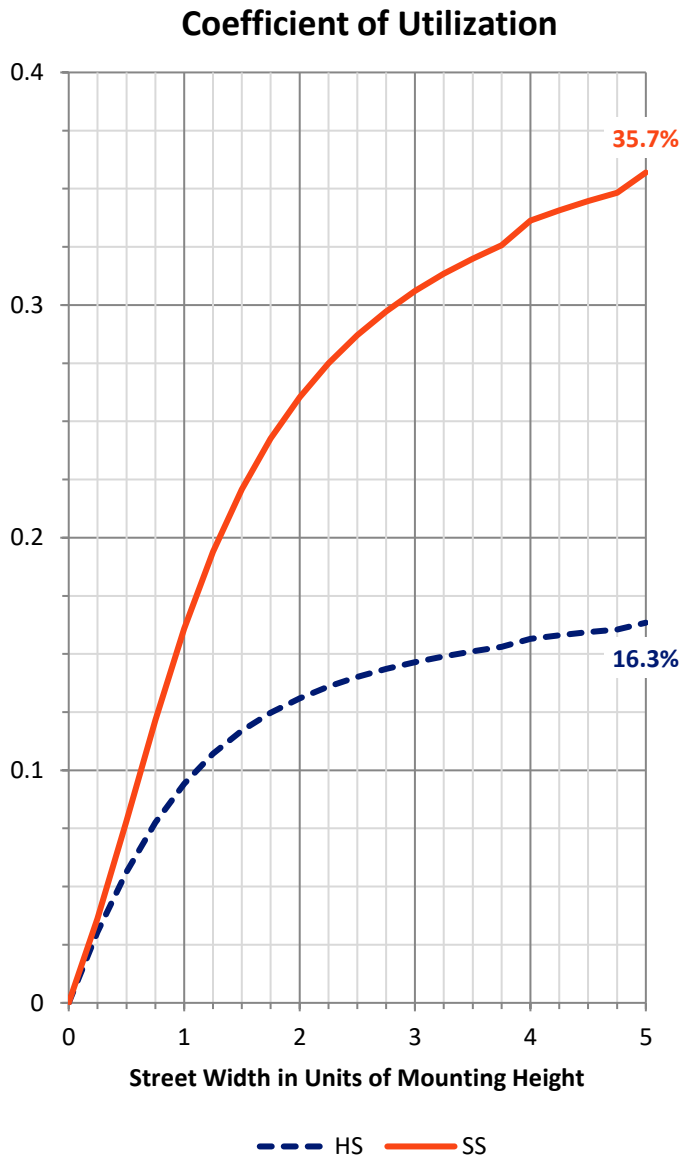
REPORT NUMBER: P1223884
CATALOG NUMBER: FFX-CLB-40-722-U-VM9-T4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	915.3	700.4	1615.7
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	2070.0	1394.2	3464.3
	% Fixture	40.7	27.4	68.2
Total	Lumens	2985.3	2094.7	5080.0
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	43.1	0.8
20°-30°	117.5	2.3
30°-40°	232.8	4.6
40°-50°	363.5	7.2
50°-60°	476.4	9.4
60°-70°	555.9	10.9
70°-80°	596.5	11.7
80°-90°	592.5	11.7
90°-100°	549.7	10.8
100°-110°	478.7	9.4
110°-120°	387.3	7.6
120°-130°	285.1	5.6
130°-140°	188.6	3.7
140°-150°	111.6	2.2
150°-160°	58.7	1.2
160°-170°	27.2	0.5
170°-180°	7.8	0.2
0°-90°	2985.3	58.8
0°-180°	5080.0	100.0



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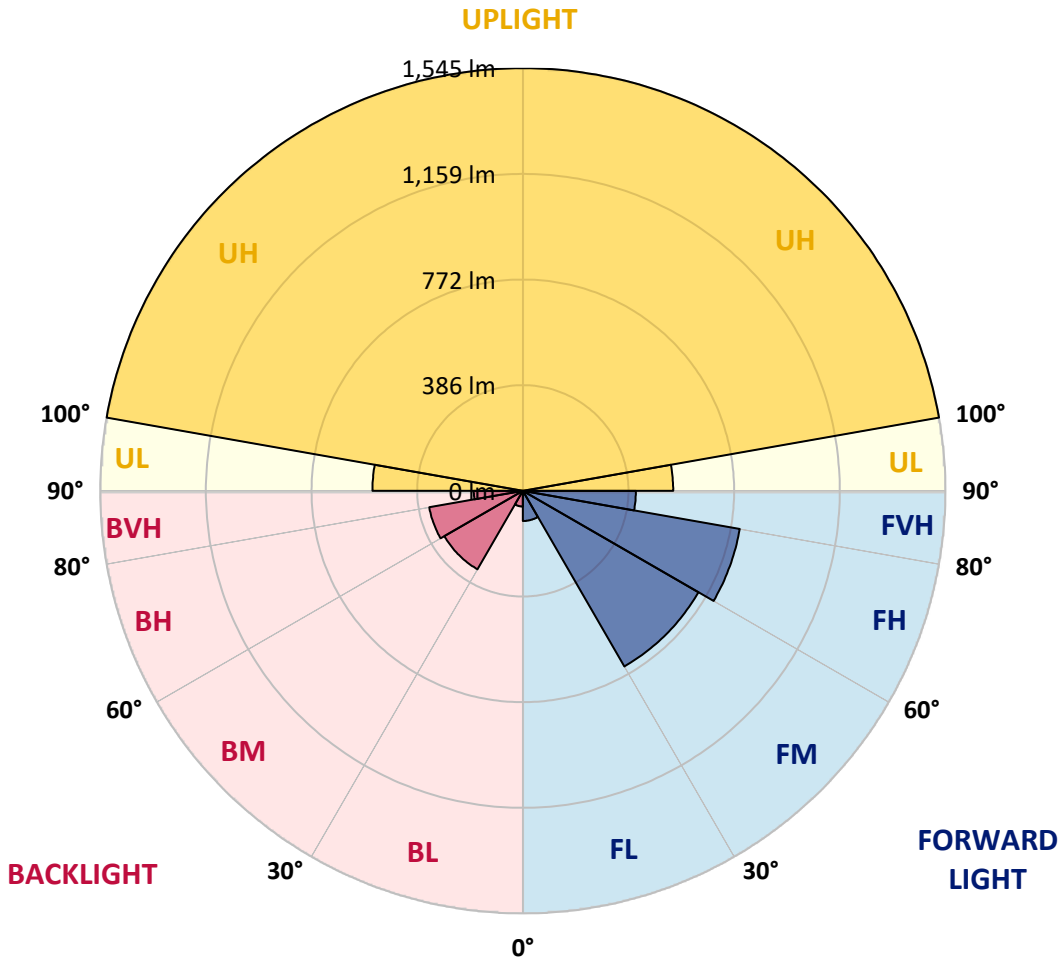
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	110.3	2.2			
FM	(30°-60°)	741.4	14.6			
FH	(60°-80°)	805.2	15.9			G1/1800
FVH	(80°-90°)	413.1	8.1			G3/500
BL	(0°-30°)	57.5	1.1	B0/110		
BM	(30°-60°)	331.2	6.5	B1/1000		
BH	(60°-80°)	347.2	6.8	B1/500		G1/500
BVH	(80°-90°)	179.4	3.5			G2/225
UL	(90°-100°)	549.7	10.8		U4/1000	
UH	(100°-180°)	1544.9	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°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	59.3	59.3	60.3	60.7	61.0	61.0	61.4	61.0	59.6	57.9	56.9
5°	80.9	80.2	79.9	80.2	80.2	78.8	76.8	73.0	70.3	65.8	64.1
7.5°	108.3	107.6	106.6	105.6	105.6	102.1	98.7	95.6	90.8	84.7	82.6
10°	140.2	138.8	137.4	135.4	133.0	129.9	125.4	120.3	113.8	107.3	103.2
12.5°	171.4	171.0	170.3	167.3	162.8	160.1	155.3	148.1	139.8	130.9	127.5
15°	207.4	205.6	204.6	202.2	199.5	194.0	186.1	179.3	169.7	157.3	153.2
17.5°	240.6	239.9	237.9	237.2	232.7	226.9	218.0	207.7	196.1	184.7	178.6
20°	276.9	278.7	276.3	274.2	266.3	260.5	252.3	242.3	228.3	212.2	205.6
22.5°	317.4	319.1	315.3	315.3	308.8	299.2	287.6	275.9	258.4	241.6	233.4
25°	364.3	365.0	359.2	356.8	352.0	342.4	328.4	314.6	294.4	273.2	263.6
27.5°	408.9	410.3	406.8	403.8	395.9	386.6	371.2	355.1	332.1	306.8	296.1
30°	459.3	456.5	455.2	449.7	441.5	431.9	414.7	396.9	370.5	340.7	327.7
32.5°	503.8	501.8	502.8	498.4	486.4	475.7	459.6	438.0	407.2	376.0	361.3
35°	549.8	550.8	549.4	544.6	537.4	523.4	501.4	477.1	446.3	409.6	393.8
37.5°	596.7	594.3	592.6	588.5	581.3	565.5	543.9	516.5	480.9	442.1	424.7
40°	637.2	638.9	636.8	630.0	623.5	606.0	582.3	551.1	514.5	473.0	452.8
42.5°	675.6	674.9	673.2	669.4	660.5	642.0	618.7	586.8	545.3	499.4	478.1
45°	706.4	707.1	707.1	701.6	693.4	676.6	649.9	617.3	573.1	524.7	502.5
47.5°	735.9	736.9	736.2	733.8	724.9	705.0	678.0	644.4	597.4	547.7	522.7
50°	761.9	761.9	761.6	759.5	751.0	731.8	704.0	668.0	619.3	566.9	542.2
52.5°	783.5	783.2	783.5	781.1	772.2	754.7	725.9	687.6	638.9	583.0	559.0
55°	800.7	799.6	802.0	801.0	793.1	773.6	743.1	705.7	655.3	598.4	573.1
57.5°	814.4	814.0	817.1	816.1	808.2	788.7	758.5	720.5	669.0	611.1	583.4
60°	825.7	825.0	829.1	829.1	821.2	801.7	771.9	731.8	680.0	621.1	593.0
62.5°	833.6	833.9	837.7	839.0	832.2	812.3	781.1	741.7	688.9	628.9	600.5
65°	839.0	839.7	844.2	846.9	840.1	820.5	788.3	748.9	696.1	635.5	606.3
67.5°	842.5	842.8	849.0	851.7	846.2	825.7	794.5	754.0	700.9	639.6	610.8
70°	843.8	844.2	851.0	855.2	849.7	828.8	797.2	756.8	704.0	642.3	613.2
72.5°	842.8	843.5	850.7	856.2	850.7	830.1	798.3	758.2	704.7	645.4	613.9
75°	839.4	840.1	848.3	853.8	849.7	828.4	796.5	756.8	703.7	642.7	612.8
77.5°	833.6	834.6	843.2	850.0	845.2	825.0	793.1	753.0	699.9	639.2	609.1
80°	825.0	825.3	834.9	841.8	838.4	818.1	786.3	746.5	693.7	633.4	603.9
82.5°	814.0	815.4	824.7	832.2	829.1	808.2	777.4	738.3	685.8	626.2	596.4
85°	802.4	803.7	812.3	820.5	816.8	797.2	766.4	727.7	675.2	616.3	587.8
87.5°	788.3	789.4	797.6	806.1	802.7	783.2	753.4	715.3	664.2	607.0	577.9
90°	772.9	773.9	781.8	790.0	785.6	767.1	737.9	700.6	650.9	594.7	566.6
92.5°	756.4	756.8	765.7	770.2	767.8	751.3	722.5	686.5	636.8	582.0	555.6
95°	737.9	737.9	746.5	751.3	747.2	731.8	704.7	668.7	620.4	569.0	541.9
97.5°	717.7	718.4	724.9	729.7	728.3	712.2	686.5	652.3	606.0	554.9	529.2
100°	696.8	696.8	702.6	706.7	703.7	690.6	666.3	634.8	587.8	539.8	514.8
102.5°	674.9	674.5	679.3	682.4	680.4	668.4	645.7	614.5	570.7	524.1	500.4
105°	650.5	649.5	654.3	657.7	655.7	645.1	625.9	595.7	553.2	508.6	486.0
107.5°	624.5	626.2	628.9	631.0	629.3	620.0	601.9	575.1	535.0	492.5	470.6
110°	599.8	600.8	601.2	603.6	603.2	595.7	580.3	553.5	515.5	475.4	454.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	574.8	574.4	574.8	*576.5*	576.5	569.0	554.2	530.9	496.3	457.2	437.7
115°	547.7	546.3	546.7	*547.0*	548.4	542.6	529.9	508.0	474.0	439.4	420.2
117.5°	519.6	519.3	518.6	*517.6*	517.6	515.2	504.2	484.6	452.4	418.2	402.0
120°	492.9	491.5	489.8	*488.8*	489.4	486.7	477.8	458.3	429.8	399.0	382.9
122.5°	462.0	463.1	462.0	*460.7*	461.0	458.3	450.7	434.3	405.8	376.3	361.9
125°	435.6	435.3	433.9	*431.9*	431.9	430.8	422.6	408.2	382.9	354.7	341.4
127.5°	406.2	406.5	405.1	*404.1*	404.8	402.7	397.2	380.8	358.5	333.5	320.5
130°	378.4	378.1	377.7	*375.7*	377.4	373.6	368.8	355.1	333.8	312.6	300.6
132.5°	352.3	350.3	348.9	*348.6*	348.2	347.9	342.1	330.1	312.2	291.0	279.3
135°	326.3	324.6	322.9	*322.2*	322.9	321.2	316.0	306.1	289.6	269.1	260.1
137.5°	299.6	298.9	298.9	*297.2*	297.2	295.8	291.3	283.1	267.7	249.9	241.0
140°	275.6	274.2	273.5	*272.5*	273.5	272.1	267.3	259.5	246.4	231.0	222.4
142.5°	250.9	249.5	250.5	*249.5*	248.5	247.8	243.7	237.5	226.2	212.2	205.0
145°	227.9	227.9	227.2	*227.6*	226.9	226.2	222.1	216.3	206.7	193.7	188.5
147.5°	206.3	207.0	206.3	*207.0*	207.0	204.3	201.5	196.7	187.8	177.5	172.1
150°	186.1	187.1	186.5	*186.1*	186.5	185.1	181.3	178.6	170.7	161.8	156.3
152.5°	169.0	169.7	169.7	*169.0*	168.6	167.9	164.2	160.4	154.2	147.4	143.6
155°	152.9	152.9	153.2	*153.6*	152.5	150.5	149.1	146.0	140.5	134.4	130.6
157.5°	139.5	139.2	139.5	*139.2*	138.8	136.8	134.7	132.3	127.8	122.4	120.3
160°	126.8	126.8	127.2	*126.8*	125.4	124.4	122.7	120.6	116.9	113.1	110.4
162.5°	116.5	116.5	116.5	*116.2*	114.8	114.5	112.4	110.4	107.3	104.2	102.1
165°	107.6	107.6	107.3	*107.3*	106.6	105.6	103.9	102.1	99.4	97.0	95.6
167.5°	100.4	100.1	99.7	*99.4*	99.1	98.0	96.3	95.3	93.2	91.2	90.1
170°	94.3	94.3	93.9	*93.9*	93.2	92.2	91.2	89.8	88.4	86.4	85.7
172.5°	88.8	88.8	88.8	*88.8*	87.7	87.4	86.4	85.3	84.3	82.9	82.3
175°	84.7	84.7	84.7	*84.7*	84.0	83.3	82.9	81.9	81.2	80.2	79.9
177.5°	81.6	81.6	81.6	*81.6*	81.2	80.5	80.2	79.5	78.8	78.5	78.1
180°	78.8	78.8	78.8	*78.8*	78.8	78.8	78.8	78.8	78.8	78.8	78.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	55.9	53.8	51.1	48.0	45.6	42.5	39.4	37.7	36.7	36.0
5°	62.4	57.9	53.8	49.4	45.9	42.8	39.4	36.7	35.3	35.0
7.5°	79.5	73.3	67.2	61.7	56.9	52.1	48.7	45.9	44.2	44.2
10°	100.1	91.5	84.3	77.1	70.6	64.8	60.0	57.2	55.2	54.5
12.5°	123.4	113.1	103.2	94.9	85.3	78.8	73.0	69.2	66.8	66.5
15°	147.7	137.1	124.4	113.1	102.5	92.2	85.3	79.9	77.8	77.8
17.5°	171.0	157.3	143.3	129.6	116.5	104.5	94.9	88.8	85.7	85.0
20°	196.1	179.6	161.4	145.3	129.2	115.2	103.9	96.0	91.9	91.5
22.5°	221.8	202.6	183.0	161.8	143.3	126.5	113.1	103.9	98.7	98.0
25°	251.2	227.9	204.6	181.3	159.0	139.2	123.4	112.1	106.3	105.6
27.5°	283.8	254.7	226.9	200.2	174.1	152.2	133.3	120.3	113.1	112.8
30°	313.6	281.4	249.9	219.0	190.6	164.2	143.3	128.2	120.3	119.3
32.5°	343.4	307.8	272.1	238.2	205.3	176.9	153.2	135.7	126.5	125.8
35°	374.3	333.8	295.1	256.0	221.8	189.5	162.5	143.3	133.3	132.0
37.5°	403.1	359.5	317.0	275.6	236.2	201.2	171.4	150.5	139.2	137.4
40°	429.5	382.5	336.9	292.4	249.9	212.2	179.9	156.6	144.0	142.6
42.5°	453.8	404.1	355.1	307.1	262.5	221.8	187.1	161.8	147.7	146.4
45°	476.8	424.3	371.9	320.8	273.5	230.7	194.0	166.6	151.5	149.4
47.5°	496.3	441.5	385.3	332.5	283.5	238.2	199.1	170.0	154.2	152.2
50°	513.8	455.9	397.9	343.8	292.0	245.1	203.9	172.7	155.6	153.6
52.5°	527.8	469.2	408.9	352.7	299.9	250.5	207.4	175.1	157.0	154.9
55°	541.5	480.2	418.5	360.6	305.7	255.7	210.1	176.5	157.7	155.3
57.5°	552.9	489.4	426.4	366.7	311.6	259.1	212.5	177.2	157.7	154.9
60°	561.1	496.6	432.5	371.9	315.3	262.2	214.2	177.5	157.3	154.6
62.5°	568.3	502.5	437.0	376.3	319.1	264.6	215.9	177.9	156.6	153.9
65°	573.8	507.3	440.8	379.1	321.5	266.7	216.3	177.5	155.6	152.9
67.5°	578.2	510.4	443.2	381.5	323.2	267.7	217.0	177.2	154.9	151.8
70°	579.9	511.7	444.5	382.5	324.2	268.4	217.0	176.5	153.6	150.5
72.5°	*579.6*	*511.7*	*444.9*	*382.9*	*324.6*	*268.7*	*216.6*	*175.5*	*152.5*	*149.4*
75°	578.6	510.7	444.2	382.5	324.2	268.4	216.3	174.8	151.5	148.8
77.5°	575.8	508.0	441.8	381.1	323.6	267.3	215.2	174.1	150.8	147.4
80°	571.0	503.8	438.4	378.1	321.2	266.3	214.2	172.7	149.4	146.7
82.5°	564.2	498.7	434.3	375.3	319.1	264.3	212.8	172.1	148.8	146.0
85°	556.3	492.2	428.8	371.2	316.0	262.2	211.1	170.7	148.1	145.3
87.5°	546.7	483.6	423.3	366.4	312.2	259.5	209.4	169.7	147.7	145.0
90°	536.7	475.7	416.4	361.9	309.2	256.7	207.7	169.0	147.4	145.0
92.5°	525.8	467.2	409.9	356.1	305.0	254.0	206.0	168.3	147.4	145.0
95°	514.8	458.3	403.4	351.0	300.9	251.2	204.3	167.9	148.1	145.7
97.5°	501.8	448.0	395.5	345.5	296.1	248.2	202.9	167.6	148.4	146.4
100°	489.4	437.7	387.3	339.3	291.7	244.7	200.9	167.3	149.1	146.7
102.5°	476.1	427.8	379.1	332.8	286.9	241.0	199.1	166.9	149.8	147.7
105°	462.7	415.8	370.2	325.3	281.1	237.2	197.1	166.6	150.1	148.1
107.5°	448.0	404.4	360.2	318.1	275.2	233.1	194.3	165.9	150.5	148.4
110°	432.9	391.1	349.9	309.8	268.4	227.9	191.6	164.2	150.1	148.4

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

Scaled Data Report

REPORT NUMBER: P1223884
CATALOG NUMBER: FFX-CLB-40-722-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	418.5	378.4	338.6	300.6	261.2	222.8	187.8	162.5	149.1	147.7
115°	400.7	364.0	326.6	290.7	252.9	216.3	183.7	160.1	147.7	146.0
117.5°	384.2	348.9	314.0	280.0	244.4	209.8	178.9	157.0	145.3	144.0
120°	365.7	332.8	300.2	268.0	234.8	202.2	173.1	153.2	142.2	141.2
122.5°	347.5	317.0	286.2	255.7	224.5	193.7	167.3	148.4	138.8	137.8
125°	328.4	300.2	271.5	242.7	213.2	184.7	160.4	142.9	134.4	133.3
127.5°	308.8	282.8	255.7	229.0	202.2	175.8	153.2	137.4	129.2	128.9
130°	288.3	264.9	240.3	215.6	190.9	166.6	145.7	131.6	124.1	123.4
132.5°	269.7	248.2	225.2	201.9	178.6	157.3	138.5	125.4	118.9	118.2
135°	251.6	230.0	210.1	189.5	167.9	148.1	131.3	119.6	113.8	113.1
137.5°	233.1	214.2	195.7	176.5	157.0	139.2	124.4	114.1	109.0	108.3
140°	214.6	198.8	182.0	163.8	147.0	130.9	117.6	109.0	104.2	103.5
142.5°	197.8	182.7	167.6	151.8	136.8	123.0	111.4	103.2	99.1	98.7
145°	181.3	168.3	154.6	140.5	127.5	116.2	105.6	98.7	95.3	94.9
147.5°	166.6	154.9	142.6	130.6	119.3	108.7	100.1	94.3	90.8	90.5
150°	151.8	141.6	131.3	121.0	111.4	102.5	94.9	90.1	87.7	87.1
152.5°	138.8	130.6	121.3	112.8	104.2	96.7	90.8	86.4	84.3	84.0
155°	127.2	120.3	112.8	105.2	98.4	92.2	87.1	83.6	81.9	81.9
157.5°	117.2	111.4	105.2	99.1	93.6	88.4	84.3	81.6	80.2	79.9
160°	108.3	103.2	98.4	93.9	88.8	85.0	81.9	79.5	78.5	78.1
162.5°	100.1	96.7	92.9	89.1	85.3	82.3	79.9	78.1	77.5	77.5
165°	94.3	91.2	88.1	85.3	82.6	80.5	78.5	77.5	76.8	76.4
167.5°	89.1	86.7	84.7	82.6	80.5	78.8	77.5	76.8	76.1	76.1
170°	85.0	83.3	81.9	80.5	79.2	77.8	77.1	76.4	76.1	76.1
172.5°	81.6	80.5	79.5	78.8	77.8	77.1	76.4	76.1	76.1	76.1
175°	79.5	78.8	78.1	77.8	77.5	77.1	76.8	76.4	76.4	76.4
177.5°	78.1	77.8	77.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5
180°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8

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

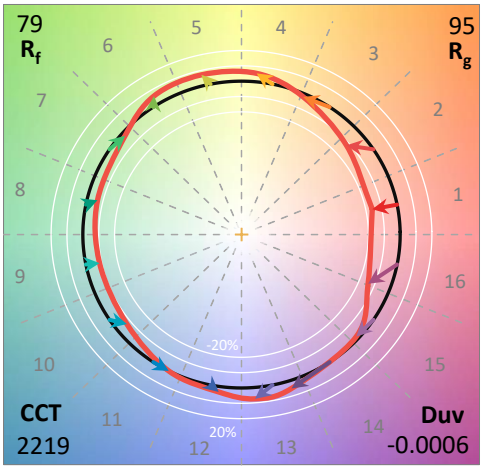
Test Information

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

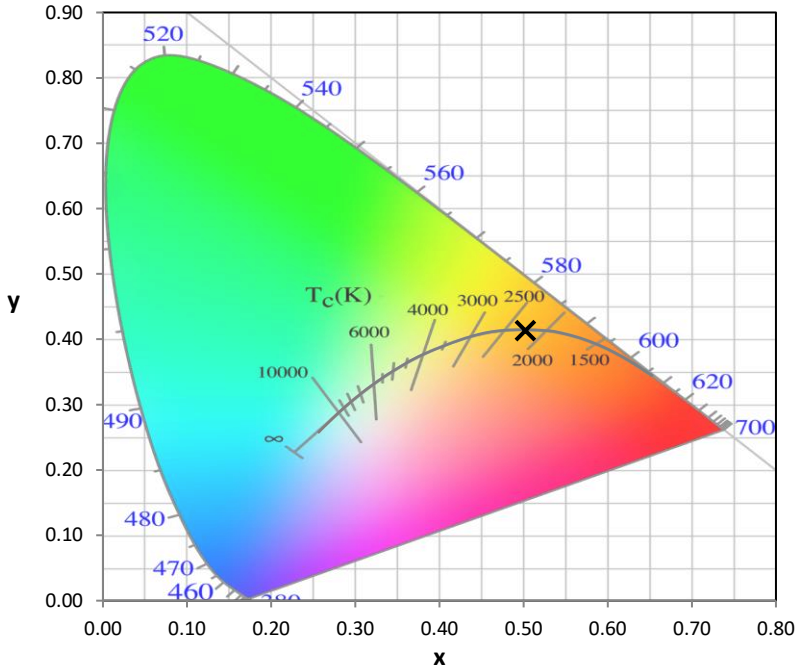
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

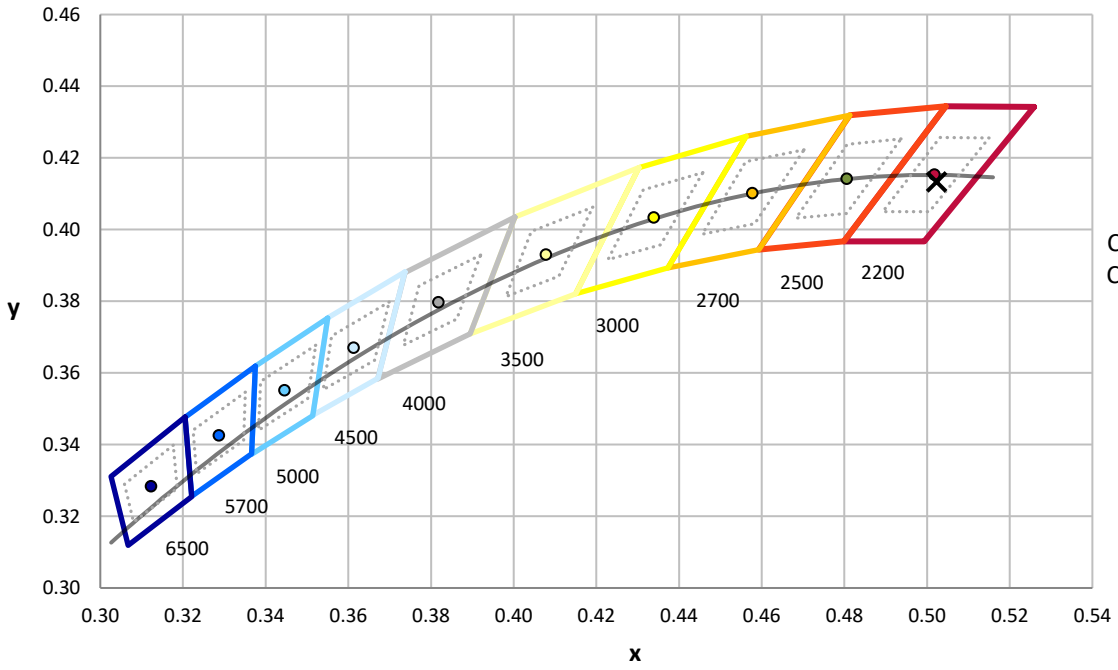
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

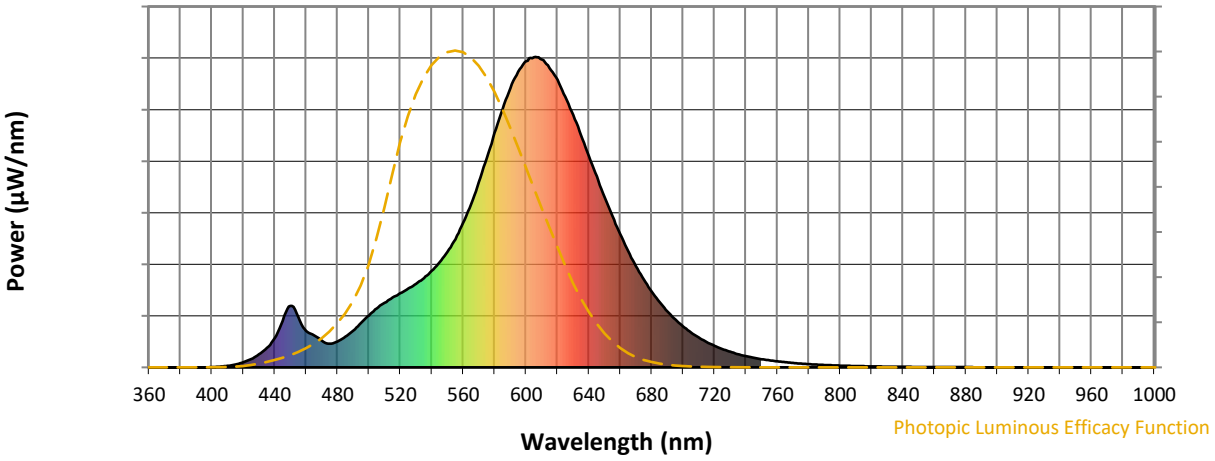


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

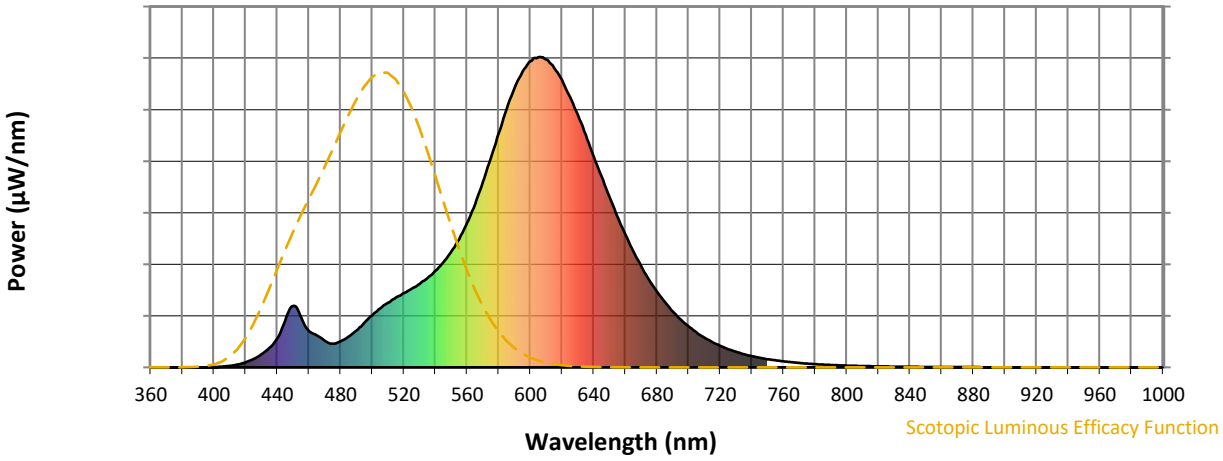


Photopic Lumens: NR

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

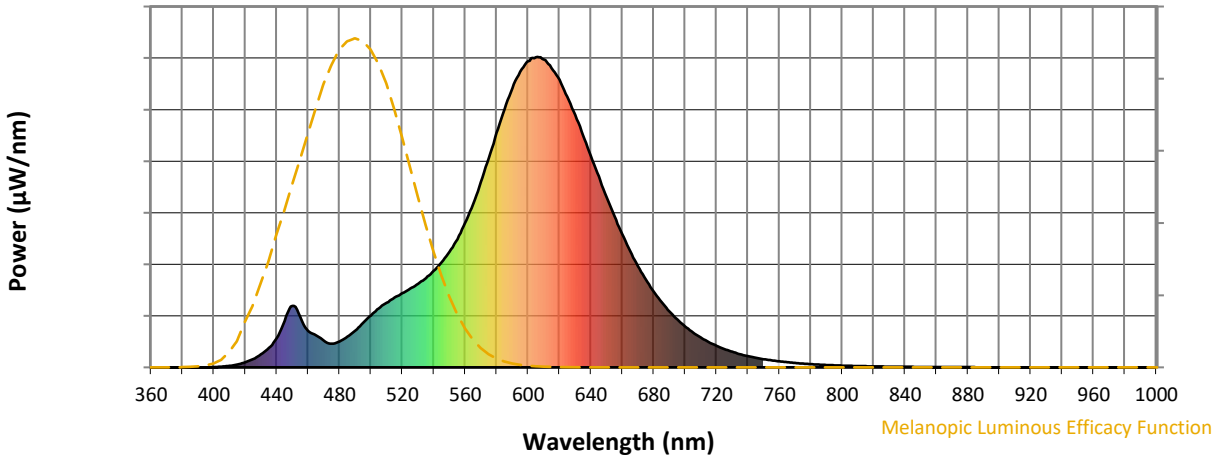


Scotopic Lumens: NR **S/P: 0.94**

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			

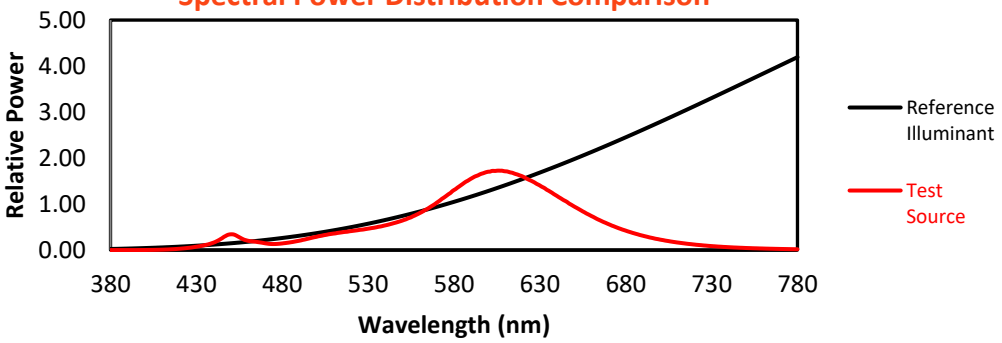
REPORT NUMBER: SP1-2501-332-2

TM-30-18

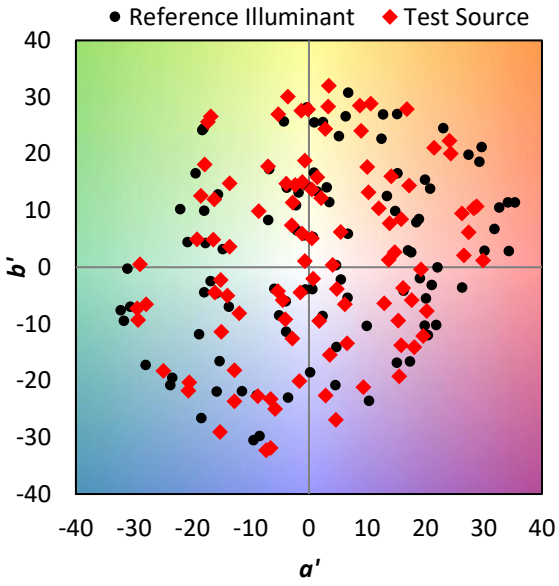
Summary

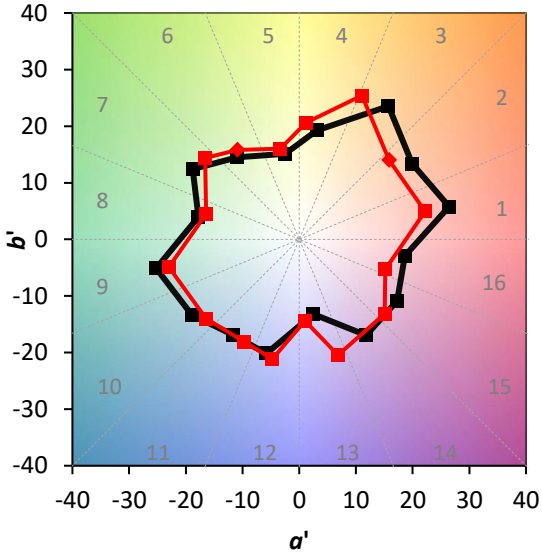
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

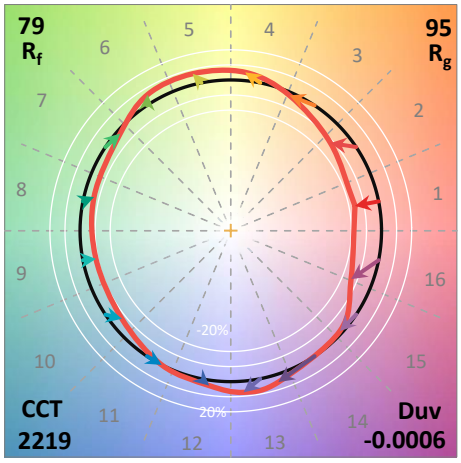
Spectral Power Distribution Comparison

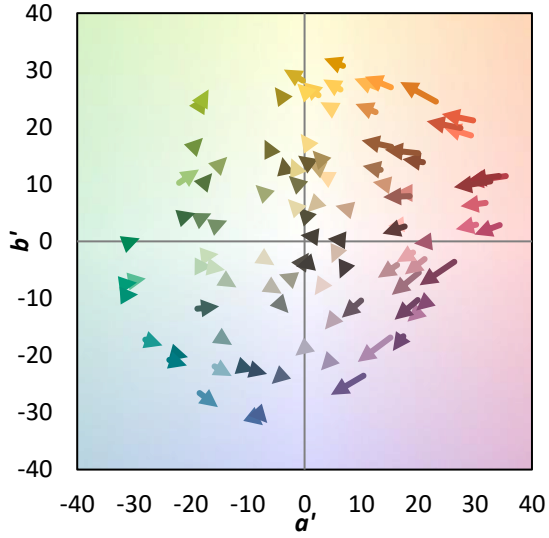


Color Vector Graphics







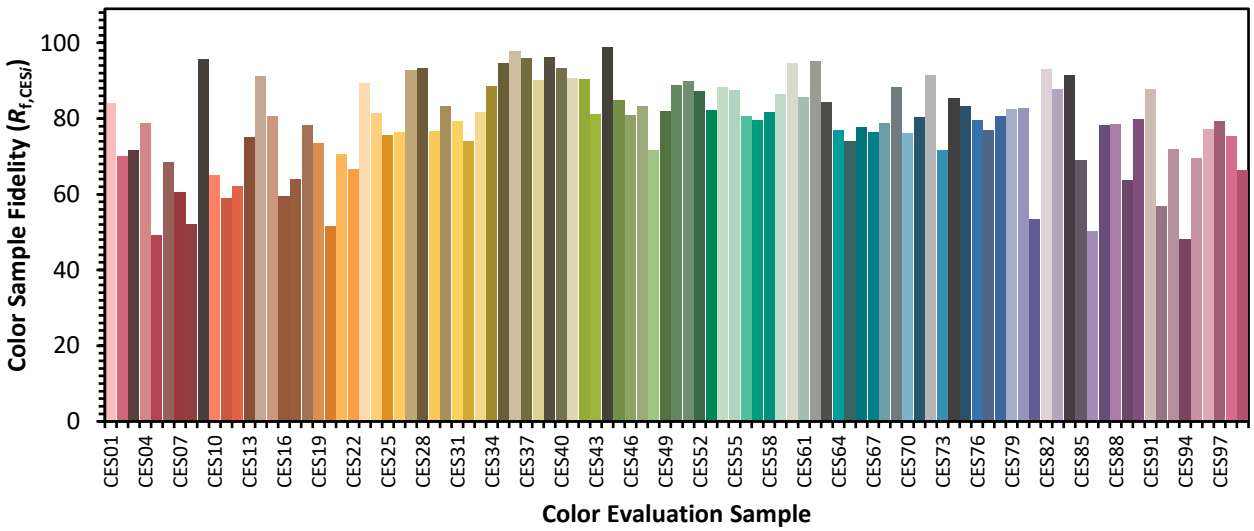


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

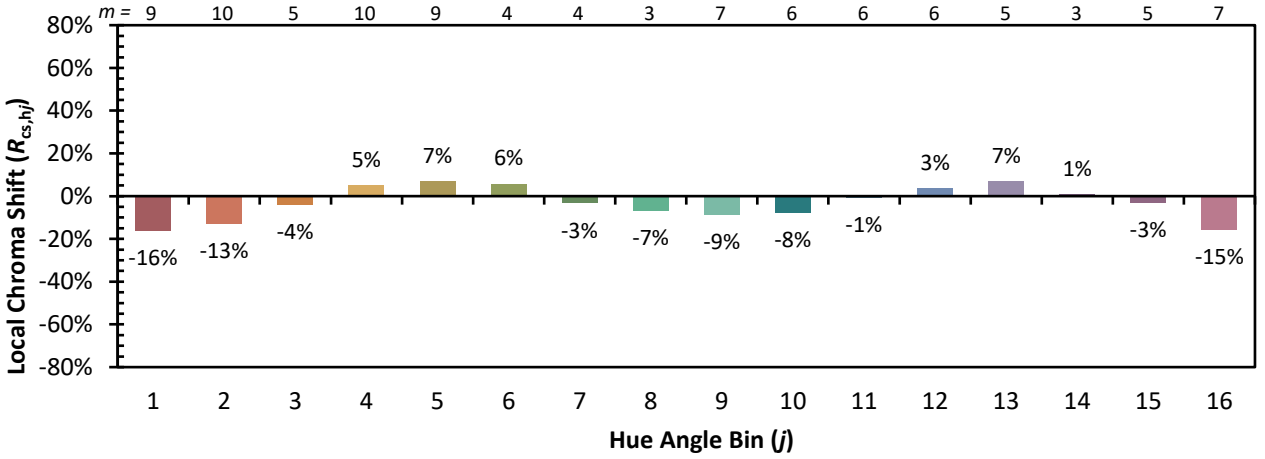
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 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	

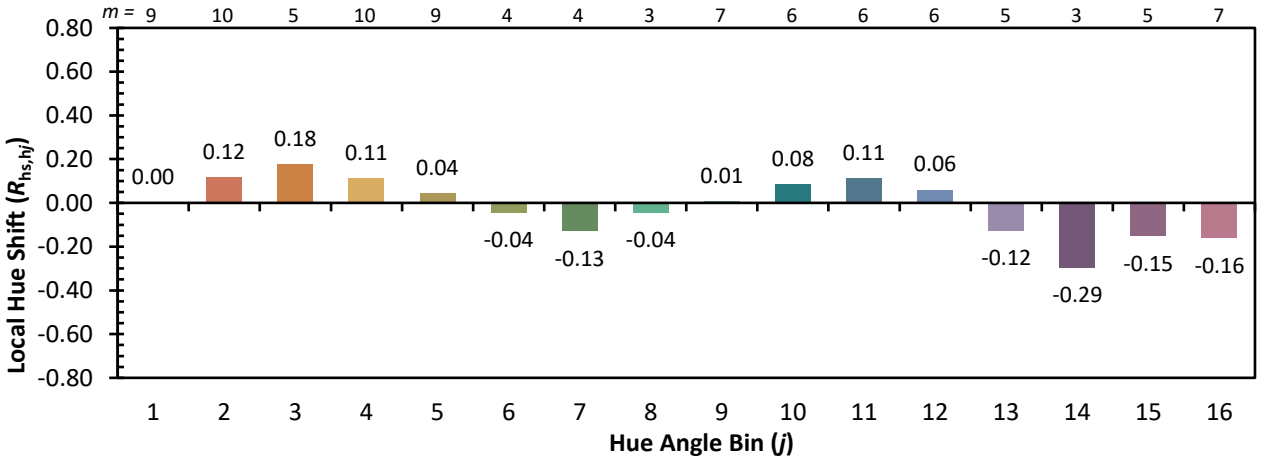


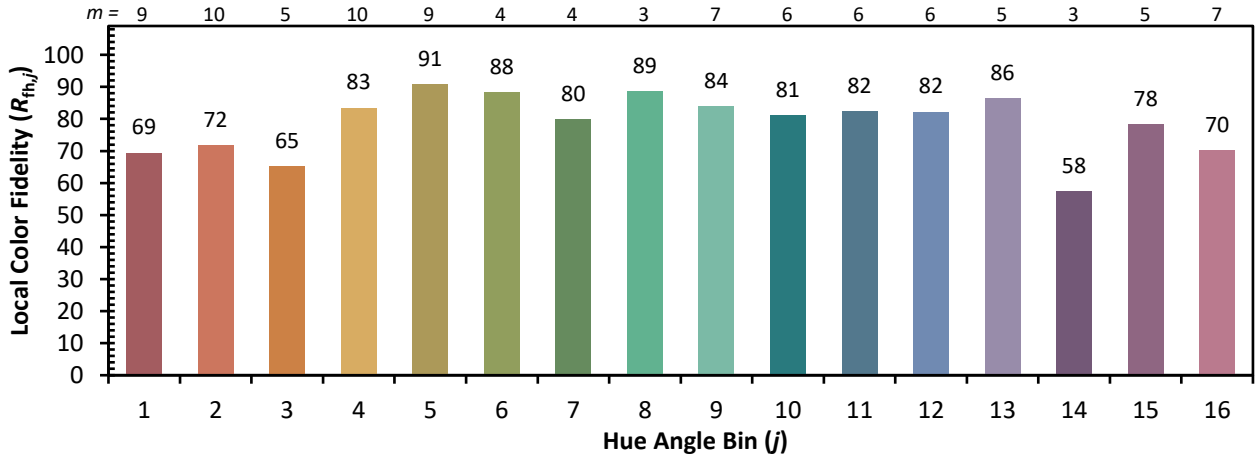
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



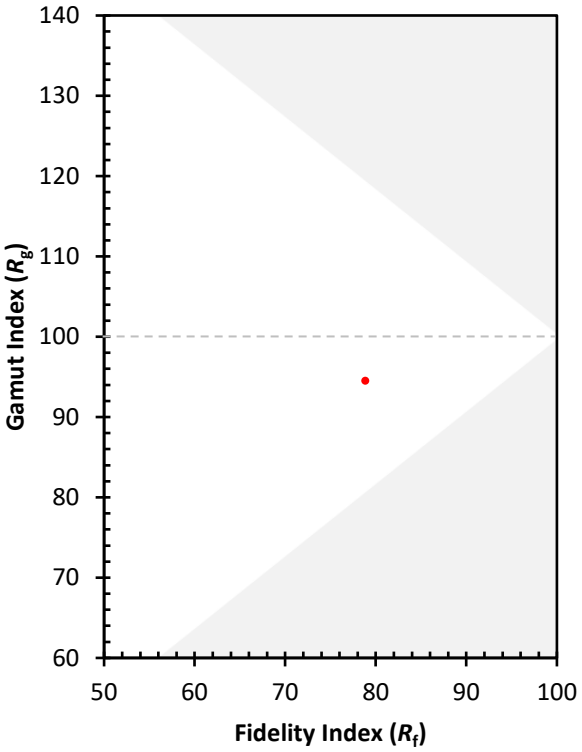


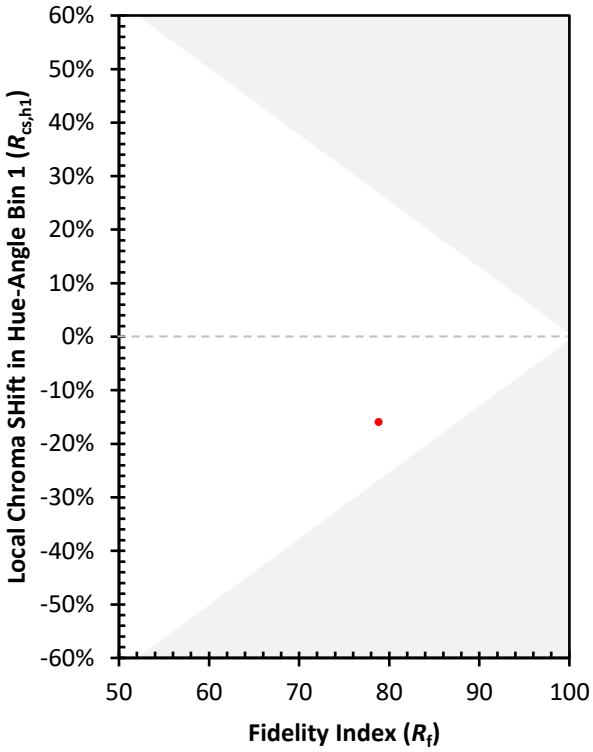


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TM-30-18

Measure Comparisons





(END OF REPORT)