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: P1224003

Luminaire Tested: **FFX-CLB-20-740-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224003
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-740-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3272.5 lumens
Efficiency:	N/A
Efficacy:	165.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G3

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

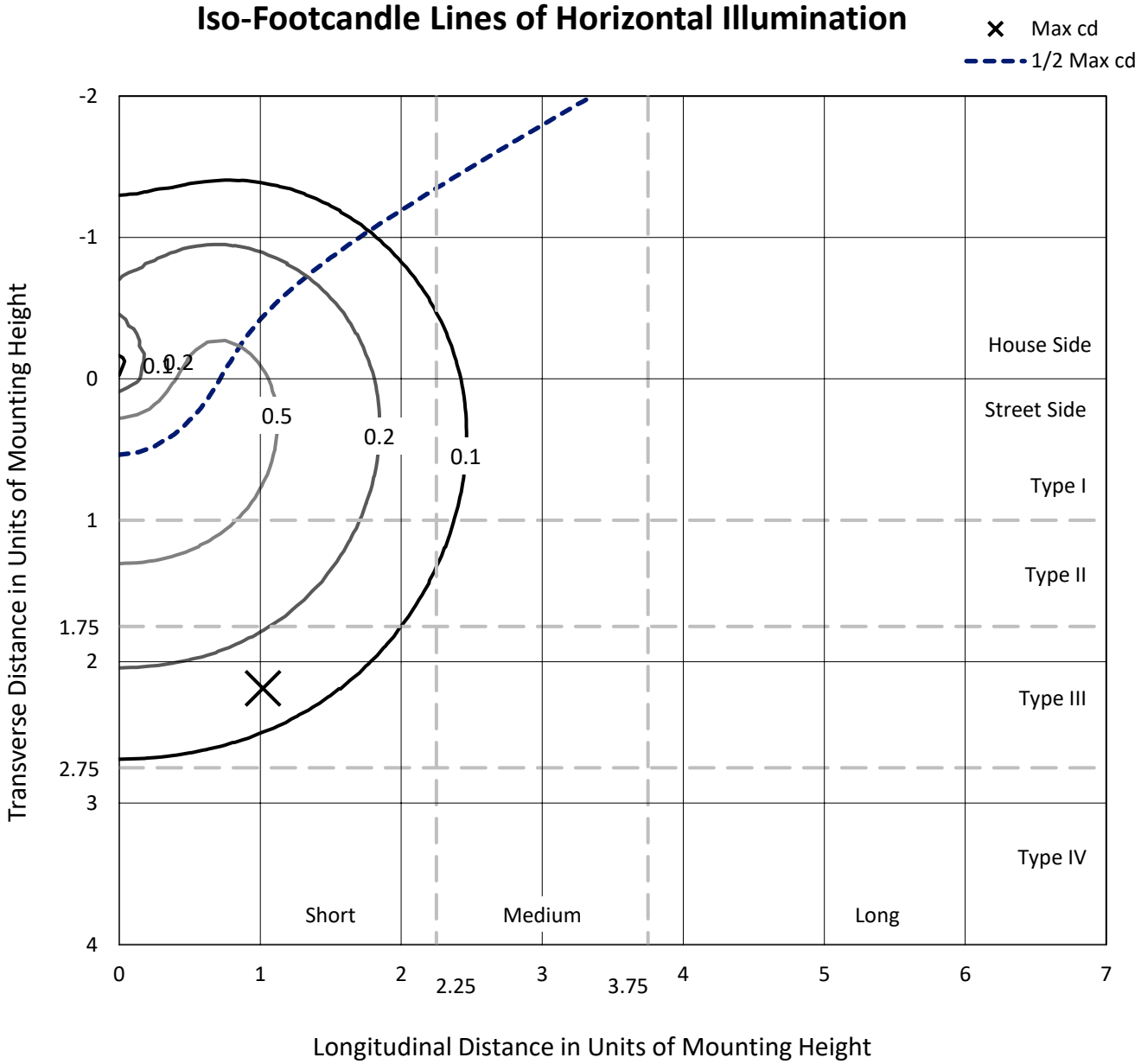


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Iso-Footcandle Lines of Horizontal Illumination



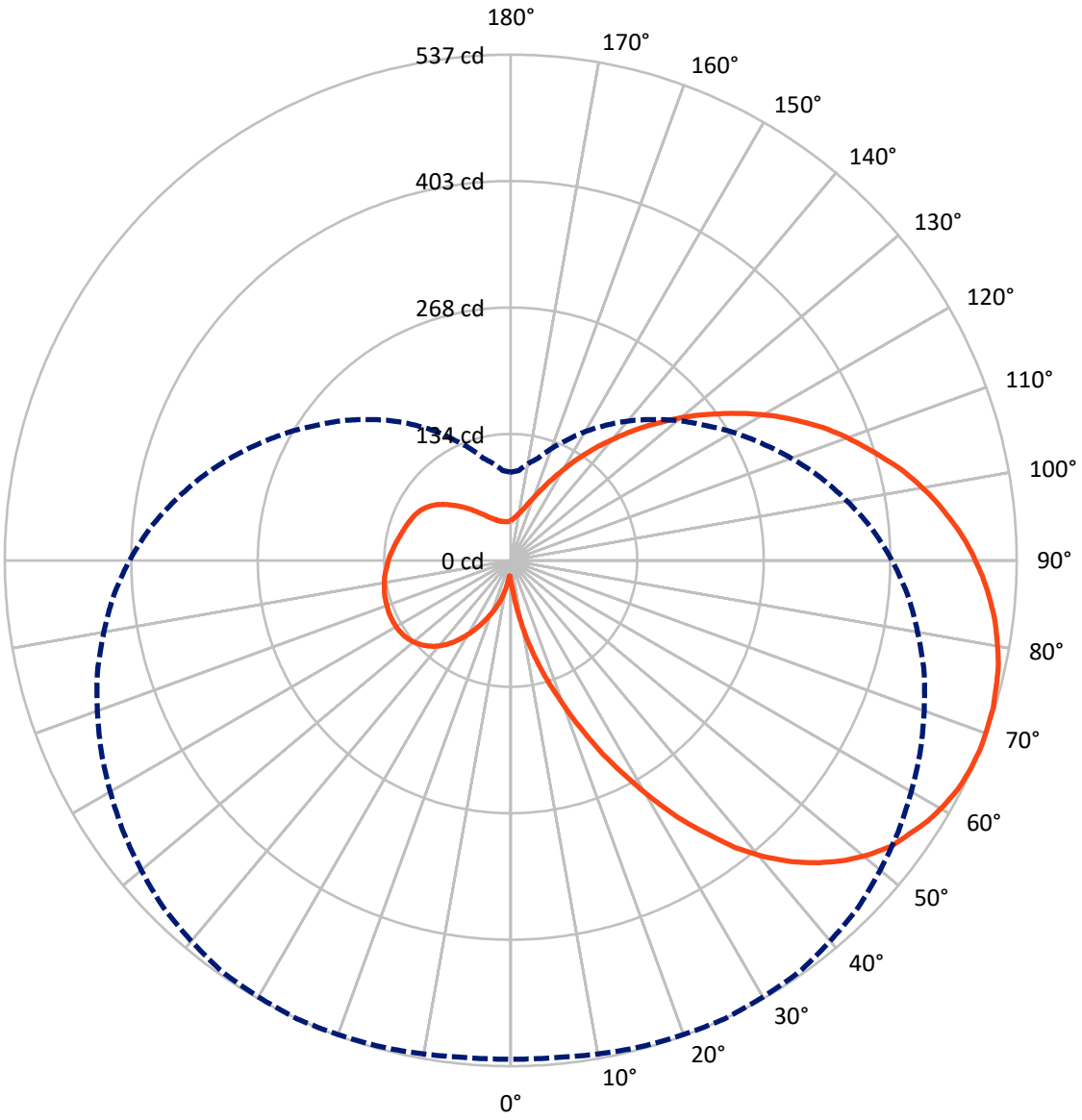
Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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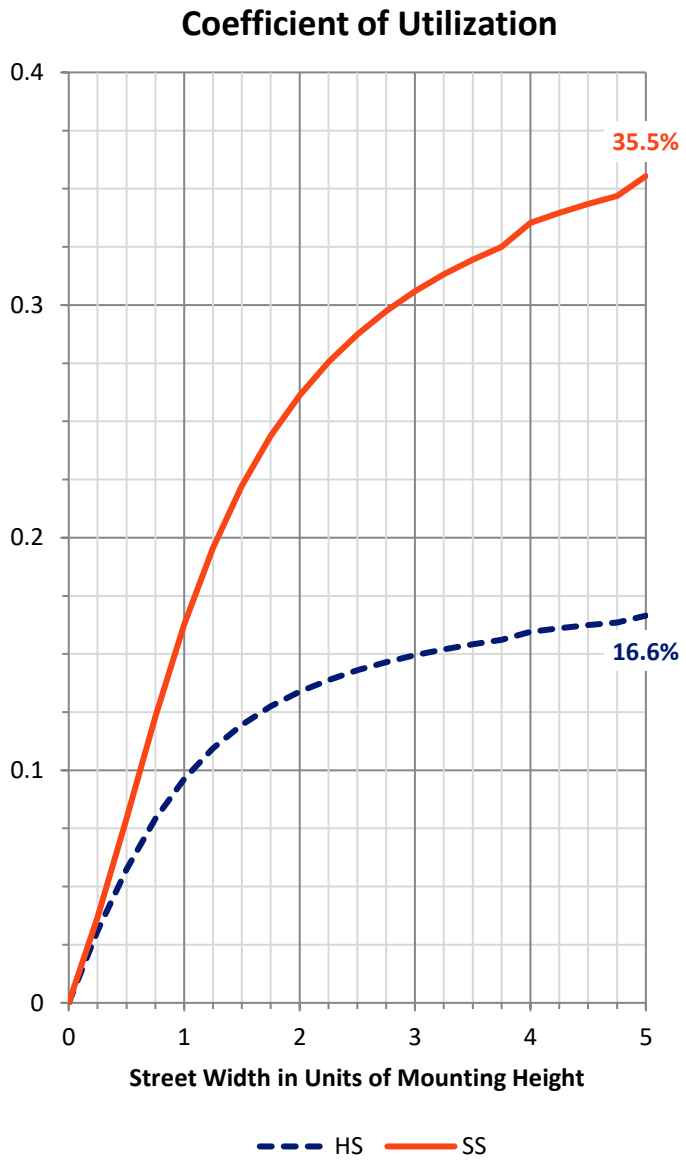
REPORT NUMBER: P1224003
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.3	458.1	1057.4
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1324.3	890.8	2215.1
	% Fixture	40.5	27.2	67.7
Total	Lumens	1923.6	1348.9	3272.5
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	24.9	0.8
20°-30°	74.5	2.3
30°-40°	153.4	4.7
40°-50°	239.5	7.3
50°-60°	310.3	9.5
60°-70°	357.7	10.9
70°-80°	380.6	11.6
80°-90°	379.0	11.6
90°-100°	353.6	10.8
100°-110°	309.0	9.4
110°-120°	253.1	7.7
120°-130°	188.2	5.8
130°-140°	122.4	3.7
140°-150°	69.3	2.1
150°-160°	34.2	1.0
160°-170°	14.9	0.5
170°-180°	4.2	0.1
0°-90°	1923.6	58.8
0°-180°	3272.5	100.0



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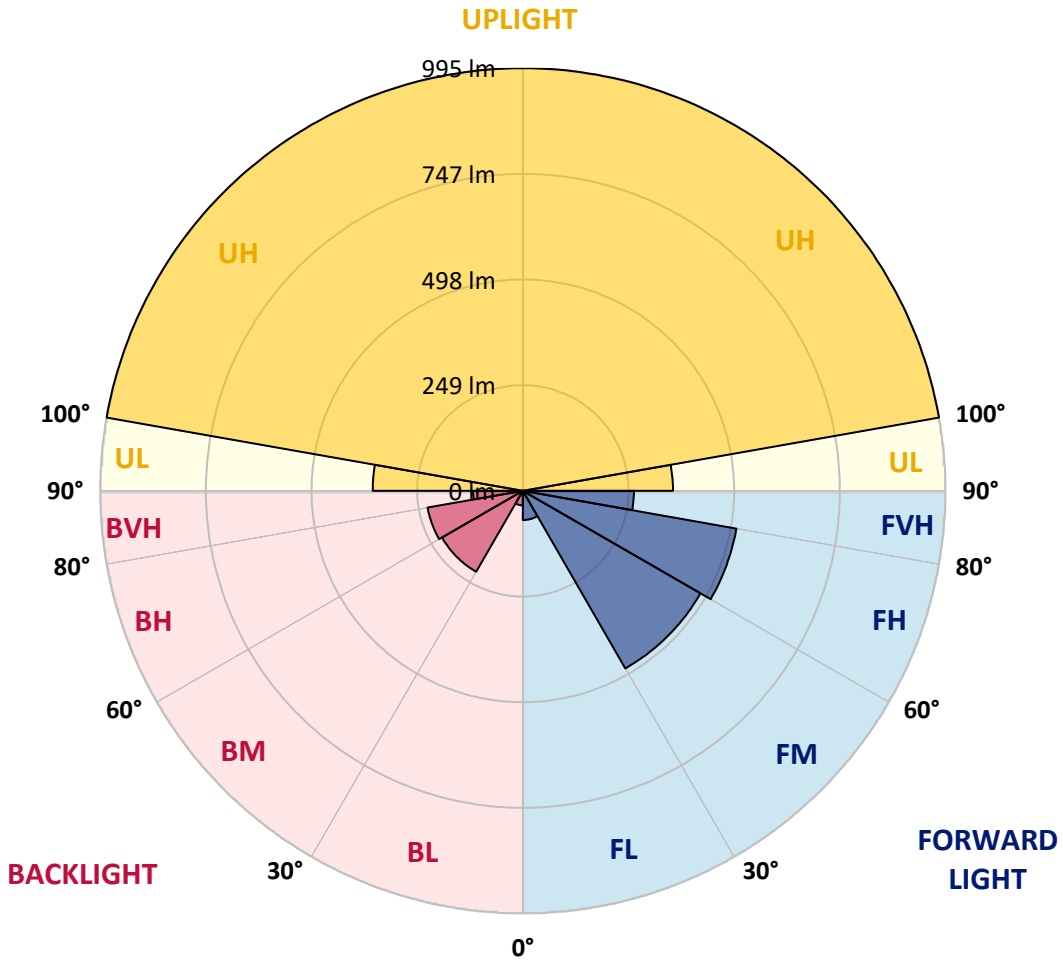
Scaled Data Report

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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°)	68.8	2.1			
FM	(30°-60°)	483.2	14.8			
FH	(60°-80°)	510.8	15.6			G0/660
FVH	(80°-90°)	261.6	8.0			G3/500
BL	(0°-30°)	34.3	1.0	B0/110		
BM	(30°-60°)	220.0	6.7	B1/1000		
BH	(60°-80°)	227.6	7.0	B1/500		G1/500
BVH	(80°-90°)	117.4	3.6			G2/225
UL	(90°-100°)	353.6	10.8		U3/500	
UH	(100°-180°)	995.4	30.4		U4/1000	

BUG Rating: B1-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	23.7	23.7	23.7	*23.7*	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	28.3	28.3	28.5	*28.5*	28.0	28.3	27.8	27.2	26.8	25.8	25.3
5°	41.1	40.5	40.7	*40.3*	39.5	39.1	37.4	36.1	34.1	31.8	30.7
7.5°	57.1	57.3	56.5	*55.5*	55.3	53.0	52.6	48.6	46.9	43.0	42.0
10°	76.9	76.4	75.6	*75.4*	73.5	71.3	67.7	65.6	60.2	57.3	55.1
12.5°	98.5	98.7	97.2	*95.8*	94.1	91.0	86.2	82.9	78.5	72.5	69.6
15°	121.7	120.9	120.9	*119.2*	116.7	113.2	109.5	104.7	98.5	92.0	87.9
17.5°	143.3	145.0	144.4	*142.3*	140.0	135.7	131.7	125.1	118.2	111.1	105.9
20°	170.3	170.8	169.7	*167.9*	165.8	160.8	156.0	149.4	140.8	129.8	125.5
22.5°	197.6	198.4	198.4	*197.4*	194.4	190.1	182.4	175.1	164.5	153.5	146.2
25°	228.9	228.3	228.9	*228.3*	223.5	219.6	211.7	203.0	191.5	178.0	169.3
27.5°	260.5	261.3	259.7	*258.2*	256.4	250.1	241.6	230.6	216.3	202.1	192.8
30°	291.3	293.1	293.1	*291.5*	288.6	282.3	272.8	260.9	245.1	227.3	216.3
32.5°	323.5	324.1	324.9	*324.7*	321.4	315.3	304.8	288.8	271.1	251.4	240.6
35°	357.5	355.7	356.1	*354.8*	353.4	345.9	333.6	318.3	299.1	277.1	264.0
37.5°	385.8	384.9	385.6	*386.6*	382.7	375.0	360.8	343.0	322.0	298.9	285.9
40°	412.6	411.9	413.0	*413.2*	409.2	400.3	385.4	368.1	345.5	318.9	306.6
42.5°	435.0	435.0	436.0	*437.3*	433.1	423.6	408.4	387.9	364.6	337.8	322.8
45°	455.8	455.2	457.2	*457.9*	453.7	444.1	427.1	406.3	381.4	354.2	338.6
47.5°	472.4	472.6	474.7	*475.9*	472.2	461.4	444.1	422.1	396.2	367.7	351.7
50°	486.1	488.0	489.9	*491.3*	487.4	476.6	458.7	434.8	408.8	380.2	363.5
52.5°	499.8	499.8	502.7	*504.6*	500.2	489.0	470.3	447.1	420.5	390.1	373.9
55°	508.5	508.8	512.3	*512.9*	510.2	498.6	479.5	456.2	429.6	399.1	381.8
57.5°	516.2	516.4	520.4	*521.8*	518.1	506.9	487.4	463.3	437.3	406.1	388.7
60°	522.9	522.7	526.0	*528.1*	524.3	512.5	493.4	469.9	443.3	412.6	394.5
62.5°	527.0	527.0	531.0	*533.1*	529.1	517.5	498.0	474.7	448.1	416.9	399.1
65°	528.9	529.3	533.1	*535.6*	531.8	520.0	500.4	477.6	451.4	420.5	402.4
67.5°	*529.5*	*529.7*	*534.3*	*536.8*	*533.3*	*521.2*	*501.9*	*479.5*	*453.9*	*422.8*	*404.5*
70°	529.9	530.2	533.7	*536.2*	533.1	521.0	502.3	480.3	455.4	424.0	405.7
72.5°	527.7	528.3	532.2	*535.1*	531.4	519.6	501.3	480.3	455.2	424.8	406.1
75°	524.8	526.2	529.7	*532.2*	528.9	517.5	499.6	479.5	455.0	424.4	406.1
77.5°	521.8	522.1	526.6	*528.9*	525.4	513.7	496.7	477.4	453.7	423.2	404.7
80°	516.0	517.3	521.2	*523.3*	520.2	509.2	492.6	474.5	451.4	421.1	402.4
82.5°	511.9	511.5	515.4	*517.3*	514.2	502.7	487.8	469.9	448.1	417.6	399.3
85°	504.0	504.8	507.9	*509.6*	506.1	495.7	481.3	465.3	443.5	413.6	395.1
87.5°	496.5	496.9	499.0	*500.9*	497.3	487.4	474.1	458.9	437.9	408.6	390.6
90°	487.2	487.4	489.6	*491.1*	488.0	478.6	466.4	451.6	431.9	403.0	384.9
92.5°	478.4	478.0	479.7	*480.3*	477.6	468.5	457.4	443.7	424.6	396.2	378.7
95°	467.0	466.8	468.2	*467.8*	464.9	457.0	447.1	435.0	416.1	388.9	371.6
97.5°	454.3	454.5	455.4	*455.0*	451.8	444.6	436.9	424.8	407.4	380.4	363.8
100°	440.2	440.8	442.1	*440.8*	438.1	432.7	424.6	414.6	397.4	371.9	355.4
102.5°	428.4	426.7	426.3	*426.1*	423.4	418.6	412.4	403.6	387.6	362.5	346.7
105°	412.8	411.7	411.5	*409.2*	408.2	404.3	399.1	391.2	376.8	353.2	337.8
107.5°	396.4	396.6	395.7	*393.0*	391.6	388.9	386.0	378.9	365.2	342.8	328.6
110°	381.6	380.6	378.3	*377.0*	376.0	373.7	371.9	366.5	353.8	332.8	318.7

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REPORT NUMBER: P1224003
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	363.3	364.0	361.3	*360.4*	358.8	358.6	357.3	353.0	341.7	322.2	308.9
115°	346.9	346.5	343.8	*342.1*	341.5	341.9	342.8	339.7	329.3	310.8	298.5
117.5°	328.9	327.6	325.7	*324.1*	323.2	324.9	326.8	325.3	316.6	299.1	287.5
120°	309.5	309.7	307.0	*305.4*	305.6	308.3	310.8	309.9	301.6	286.1	275.7
122.5°	291.5	290.4	288.1	*286.5*	287.9	290.8	293.7	293.5	286.3	271.1	261.8
125°	271.7	271.5	269.2	*267.6*	268.8	272.1	275.7	276.1	269.2	256.6	247.2
127.5°	253.0	252.4	252.0	*250.1*	250.9	255.5	258.0	257.8	251.8	240.1	232.0
130°	235.2	235.0	232.5	*231.6*	232.7	236.4	238.9	238.5	233.7	223.5	216.3
132.5°	217.1	216.3	215.2	*214.0*	214.8	217.9	221.2	220.8	215.2	205.5	199.6
135°	199.2	198.6	197.8	*196.9*	197.6	200.7	203.6	202.8	198.0	189.3	183.4
137.5°	182.8	182.2	181.1	*180.1*	180.9	183.4	185.3	184.7	180.7	172.4	166.8
140°	165.8	166.2	164.9	*164.1*	164.5	167.0	168.5	167.6	163.3	156.4	151.9
142.5°	150.2	150.2	149.6	*149.4*	150.0	151.2	152.5	150.8	147.9	140.8	137.1
145°	135.2	135.4	135.2	*134.8*	135.0	136.5	136.7	136.1	132.7	127.6	123.4
147.5°	121.1	121.7	121.3	*121.3*	121.5	122.2	123.0	121.5	118.6	114.0	111.1
150°	108.0	108.4	108.4	*108.0*	108.0	108.9	108.9	107.8	105.5	101.8	99.1
152.5°	96.6	96.8	96.8	*96.4*	96.6	96.8	96.4	95.1	93.3	90.4	88.3
155°	86.2	86.6	86.0	*86.2*	85.6	85.8	85.6	84.8	82.7	80.2	78.9
157.5°	76.9	77.5	77.1	*77.1*	76.7	76.4	76.2	75.4	74.0	71.9	70.4
160°	69.4	69.8	69.2	*69.2*	68.8	68.8	67.9	67.5	66.1	64.2	63.4
162.5°	62.9	62.9	62.7	*62.9*	62.7	62.1	61.7	60.9	59.6	58.2	57.5
165°	57.8	57.5	57.5	*57.3*	57.1	56.7	56.1	55.7	54.4	53.2	52.8
167.5°	53.8	53.6	53.4	*53.2*	52.8	52.6	51.9	51.5	50.5	49.4	49.0
170°	50.5	50.5	50.1	*49.9*	49.6	49.2	48.6	48.0	47.2	46.5	46.1
172.5°	47.6	47.6	47.4	*47.2*	46.9	46.5	45.9	45.5	44.9	44.2	43.8
175°	45.5	45.5	45.3	*44.9*	44.7	44.2	43.8	43.4	42.8	42.4	42.2
177.5°	43.8	43.8	43.8	*43.4*	43.2	42.8	42.4	42.0	41.8	41.3	41.3
180°	41.8	41.8	41.8	*41.8*	41.8	41.8	41.8	41.8	41.8	41.8	41.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	24.7	23.5	22.4	20.8	19.3	18.1	17.2	16.6	16.2	15.8
5°	29.5	27.2	24.9	22.4	20.2	18.1	16.4	15.2	14.5	14.5
7.5°	40.3	36.8	32.8	29.3	26.6	23.9	21.4	19.9	19.1	18.7
10°	52.8	47.6	43.6	39.3	34.5	31.2	28.3	26.4	25.3	25.6
12.5°	67.7	61.3	56.3	49.9	44.7	39.5	36.4	33.7	32.4	32.2
15°	84.3	76.9	69.6	61.9	55.1	49.0	44.5	40.9	38.8	38.6
17.5°	101.8	92.4	82.7	74.0	65.0	57.5	51.3	47.2	44.9	44.9
20°	119.5	108.9	97.4	86.0	75.2	66.1	58.8	53.4	50.5	50.1
22.5°	139.8	126.3	112.6	98.7	86.4	75.0	65.6	59.2	56.1	55.5
25°	162.0	146.0	129.6	113.2	98.1	84.3	73.5	66.3	61.9	61.3
27.5°	185.1	165.8	146.5	127.3	109.7	94.5	81.4	72.1	67.7	67.1
30°	207.7	186.6	164.1	141.7	121.7	104.3	89.3	78.5	73.1	72.3
32.5°	230.0	205.9	181.1	156.2	134.4	114.0	96.6	85.0	78.3	77.5
35°	251.2	226.2	197.4	170.6	145.6	123.8	104.3	90.8	83.3	82.5
37.5°	271.9	243.7	213.3	183.8	156.8	132.1	111.3	96.2	87.9	87.0
40°	291.7	260.3	227.3	196.1	166.6	140.4	117.4	101.0	91.6	90.6
42.5°	306.8	274.6	240.1	206.5	175.1	146.7	122.8	104.7	94.5	93.1
45°	322.0	287.5	251.2	215.6	182.6	152.7	127.1	108.0	97.2	95.6
47.5°	334.5	298.5	260.1	223.1	188.8	157.9	130.9	110.3	98.9	97.2
50°	346.3	308.3	268.4	230.0	194.4	162.5	134.0	112.2	99.9	98.3
52.5°	355.4	316.4	275.0	235.4	199.0	165.8	136.5	113.4	100.5	98.7
55°	363.1	323.0	280.4	239.5	202.5	168.7	138.4	114.0	100.5	98.7
57.5°	369.6	328.2	284.8	243.3	205.2	170.6	139.6	114.3	99.9	98.1
60°	375.2	333.0	288.3	246.2	207.7	172.4	140.4	114.3	99.3	97.2
62.5°	379.7	336.3	291.0	248.5	209.6	173.9	140.8	113.8	98.1	96.0
65°	382.4	338.6	292.7	249.7	210.6	174.3	140.8	113.2	96.8	94.7
67.5°	*384.7*	*340.1*	*293.7*	*250.3*	*211.3*	*174.7*	*140.6*	*112.2*	*95.6*	*93.5*
70°	385.8	340.7	294.2	250.7	211.7	174.5	140.0	111.3	94.3	91.8
72.5°	386.0	340.9	294.0	250.7	211.7	174.5	139.4	110.1	92.9	90.6
75°	385.6	340.3	293.3	250.5	211.5	173.9	138.8	109.1	91.6	89.1
77.5°	384.3	339.0	292.3	249.7	210.4	173.3	137.5	107.8	90.2	87.9
80°	382.2	337.0	290.6	248.2	209.2	172.0	136.5	106.6	88.9	86.6
82.5°	379.1	334.3	288.6	246.4	207.9	170.6	135.2	105.3	87.7	85.4
85°	375.4	330.9	285.4	244.1	206.1	168.9	133.6	103.9	86.4	84.1
87.5°	370.2	326.8	282.1	241.4	203.6	166.8	131.7	102.6	85.4	83.1
90°	365.2	322.2	278.6	238.5	201.3	164.9	130.0	101.2	84.6	82.3
92.5°	359.4	316.8	274.2	235.2	198.2	162.5	128.4	99.9	83.7	81.6
95°	352.7	311.0	269.6	231.2	195.3	160.0	126.3	98.7	82.9	81.0
97.5°	345.3	304.8	264.7	227.1	191.7	157.3	124.4	97.6	82.5	80.4
100°	337.6	297.7	259.3	222.9	188.2	154.4	122.6	96.6	82.3	80.4
102.5°	328.9	291.3	253.9	218.8	184.7	151.7	120.7	96.0	82.3	80.4
105°	320.5	283.8	248.0	214.2	181.1	148.9	119.0	95.6	82.5	80.8
107.5°	311.6	276.7	242.2	209.4	177.2	146.2	117.6	95.1	82.9	81.2
110°	303.3	269.9	236.8	204.8	173.7	143.8	116.1	94.9	83.3	81.8

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

Scaled Data Report

REPORT NUMBER: P1224003
CATALOG NUMBER: FFX-CLB-20-740-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	294.2	262.4	230.8	199.8	169.9	140.8	114.7	94.5	83.7	82.5
115°	284.6	254.5	224.8	194.9	165.6	138.1	113.2	94.3	84.1	82.9
117.5°	274.2	246.0	217.5	189.0	161.0	134.8	111.1	93.5	84.1	82.9
120°	263.0	237.0	209.6	182.8	155.8	130.9	109.1	92.4	83.7	82.7
122.5°	250.7	226.4	200.5	174.9	150.0	126.3	105.9	90.6	82.7	81.6
125°	237.2	214.6	191.1	166.4	142.7	121.1	102.2	88.5	81.0	80.2
127.5°	223.1	202.3	179.9	157.5	135.9	115.5	98.3	85.4	78.7	77.9
130°	207.3	188.6	168.3	147.5	127.8	109.1	93.5	81.8	75.8	75.0
132.5°	192.2	175.1	156.8	138.4	119.2	102.8	88.3	77.9	72.7	71.9
135°	176.4	161.4	145.0	127.6	111.3	96.0	83.1	74.0	69.2	68.6
137.5°	161.0	148.3	133.0	117.6	103.2	89.3	78.1	70.2	65.9	65.4
140°	146.7	134.8	121.9	108.4	95.1	83.1	73.3	66.1	62.5	61.9
142.5°	132.7	122.6	110.9	99.5	87.3	77.1	68.6	62.1	59.2	58.8
145°	119.7	111.1	101.0	90.6	80.2	71.3	64.0	58.6	56.1	55.9
147.5°	107.4	100.3	91.4	82.7	74.0	66.5	59.8	55.7	53.4	53.2
150°	96.2	89.7	82.7	75.2	67.9	61.3	56.3	52.6	50.7	50.5
152.5°	85.6	80.6	74.8	68.8	62.5	57.3	52.8	50.1	48.6	48.4
155°	76.4	72.5	67.7	62.5	57.8	53.6	50.1	48.0	46.7	46.7
157.5°	68.8	65.4	61.9	57.8	53.8	50.5	48.0	46.1	45.1	45.1
160°	62.1	59.2	56.5	53.4	50.7	48.0	46.1	44.7	43.8	43.8
162.5°	56.5	54.4	52.4	50.1	47.8	46.1	44.5	43.4	43.0	42.8
165°	51.9	50.7	49.0	47.4	45.9	44.5	43.4	42.8	42.4	42.4
167.5°	48.4	47.6	46.3	45.3	44.2	43.2	42.6	42.2	42.0	42.0
170°	45.7	45.1	44.2	43.6	43.0	42.4	42.0	41.8	41.5	41.5
172.5°	43.6	43.0	42.6	42.4	42.0	41.8	41.5	41.3	41.3	41.3
175°	42.2	41.8	41.8	41.5	41.3	41.3	41.1	41.1	41.1	41.3
177.5°	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.3	41.5	41.5
180°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8

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: SP1-2501-332-1

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

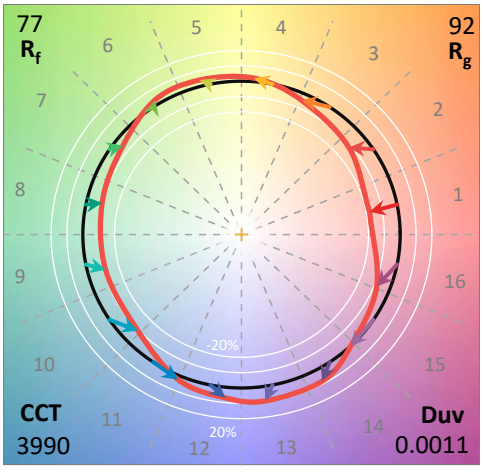
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

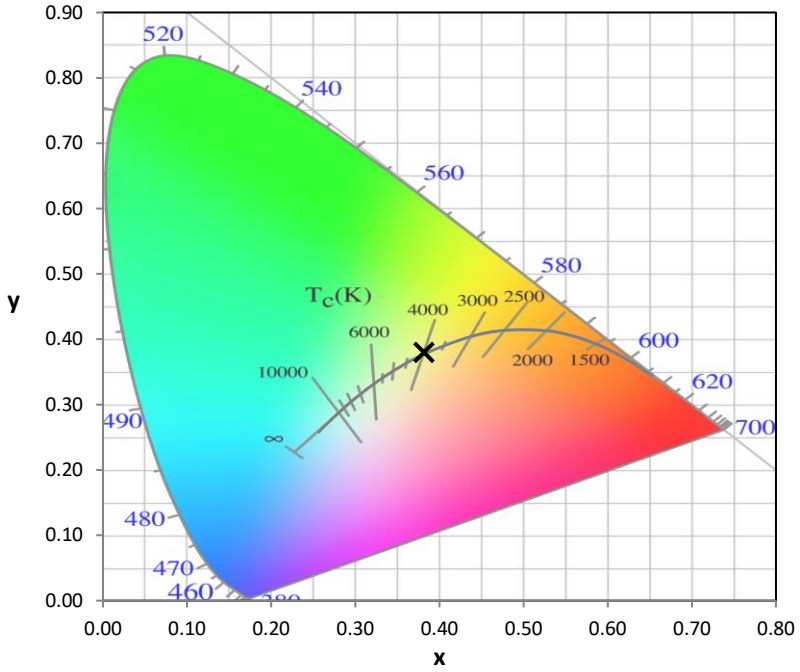
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

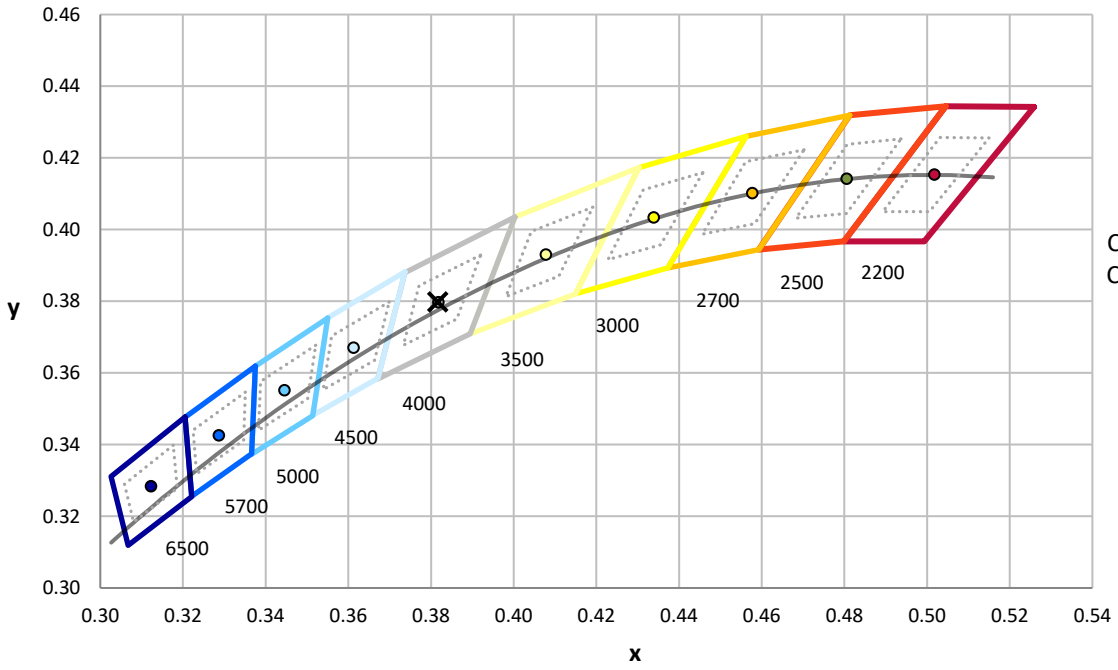
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

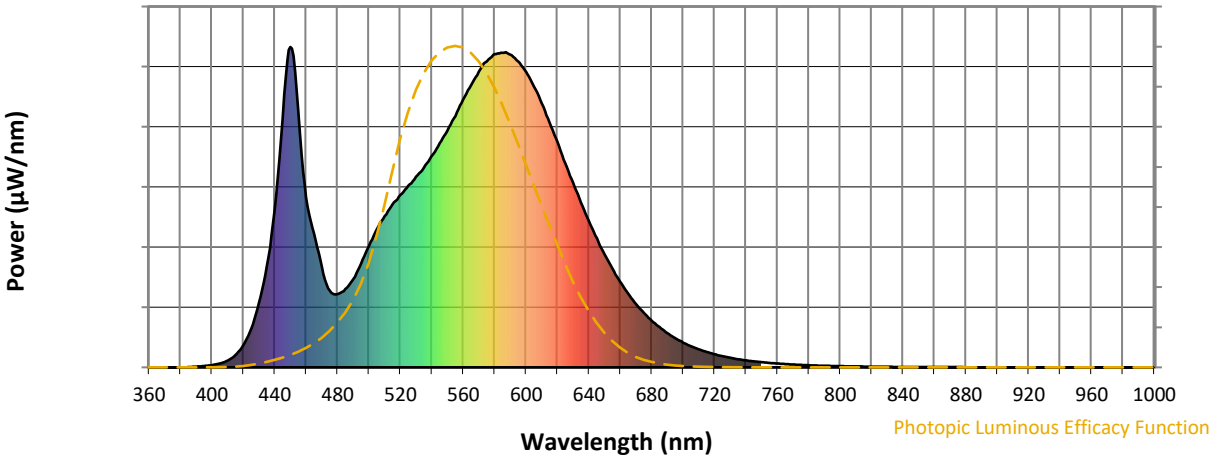


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

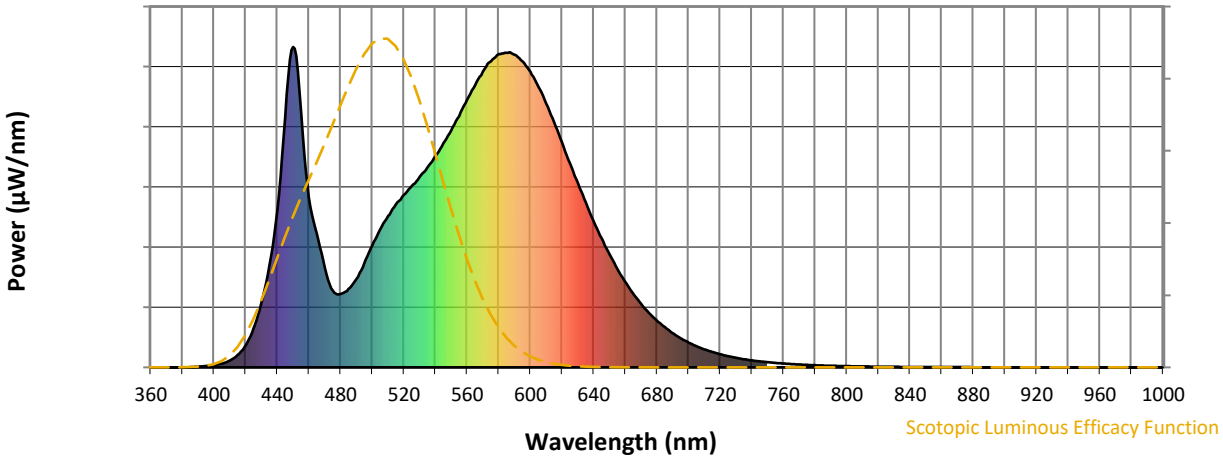


Photopic Lumens: NR

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

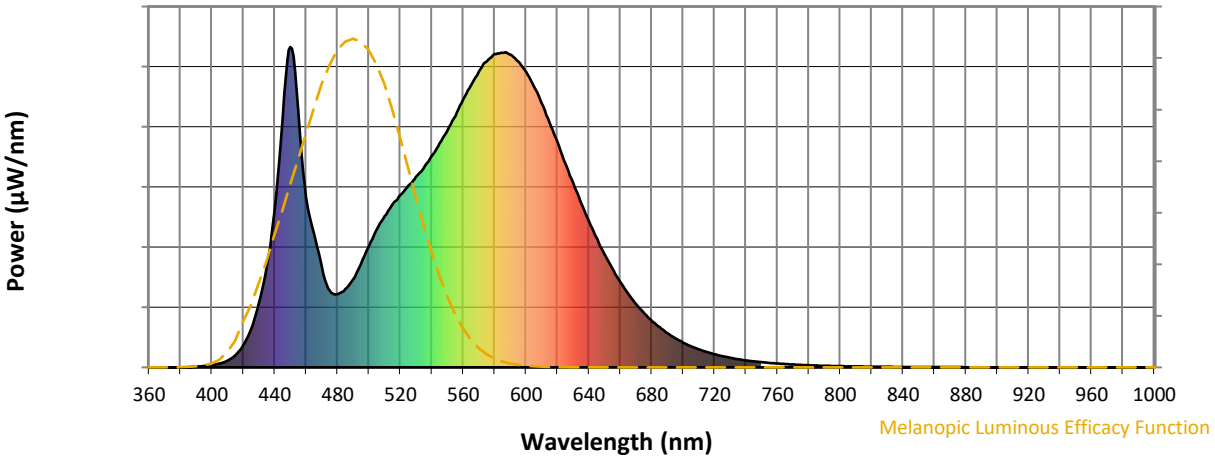


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

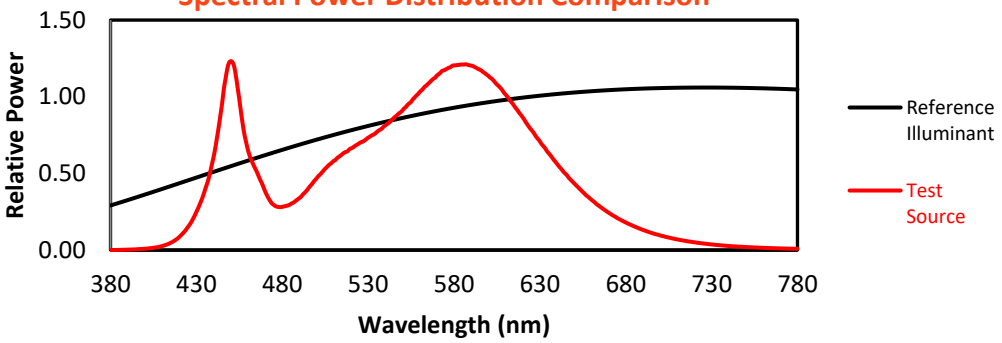
REPORT NUMBER: SP1-2501-332-1

TM-30-18

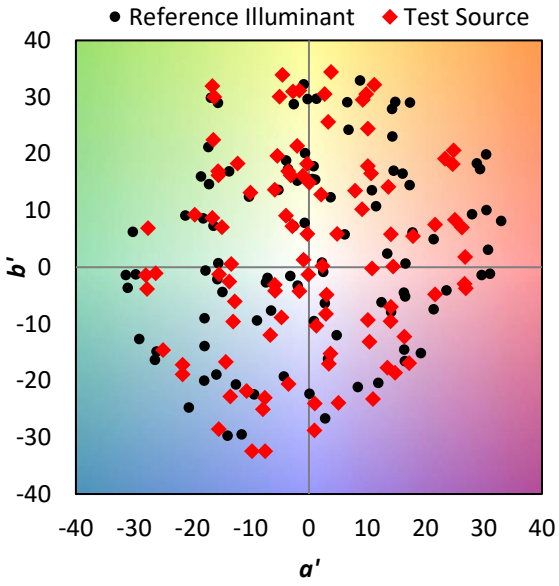
Summary

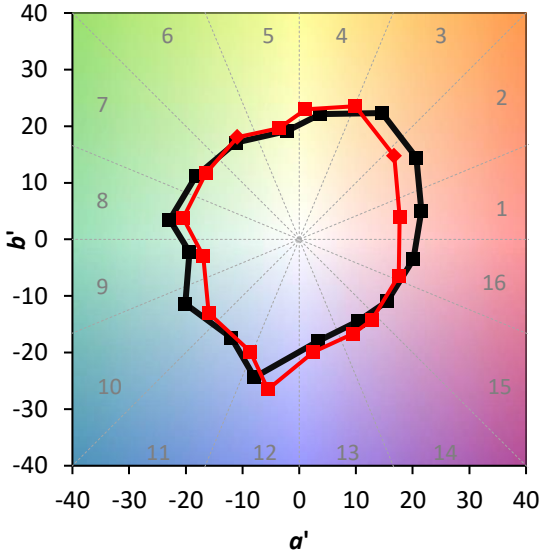
R_f = 77.5
R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

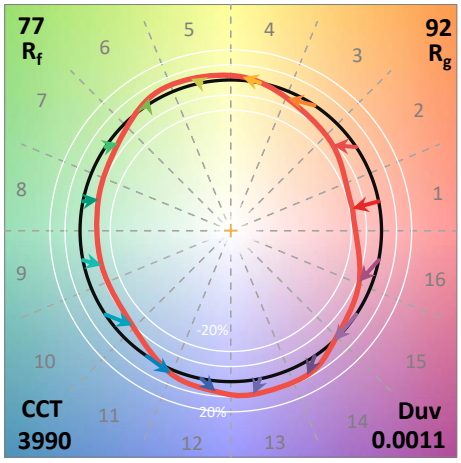
Spectral Power Distribution Comparison

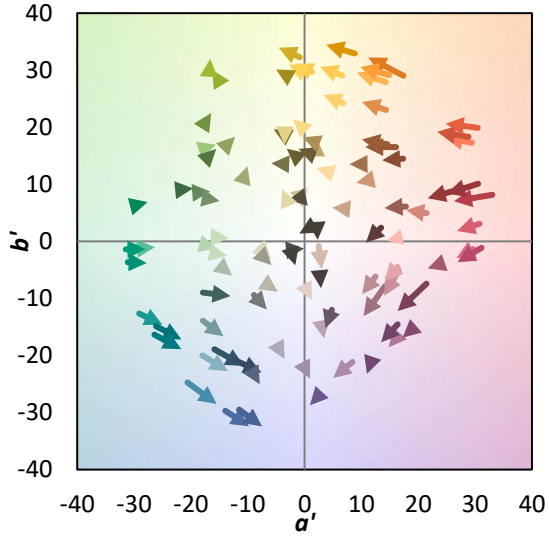


Color Vector Graphics







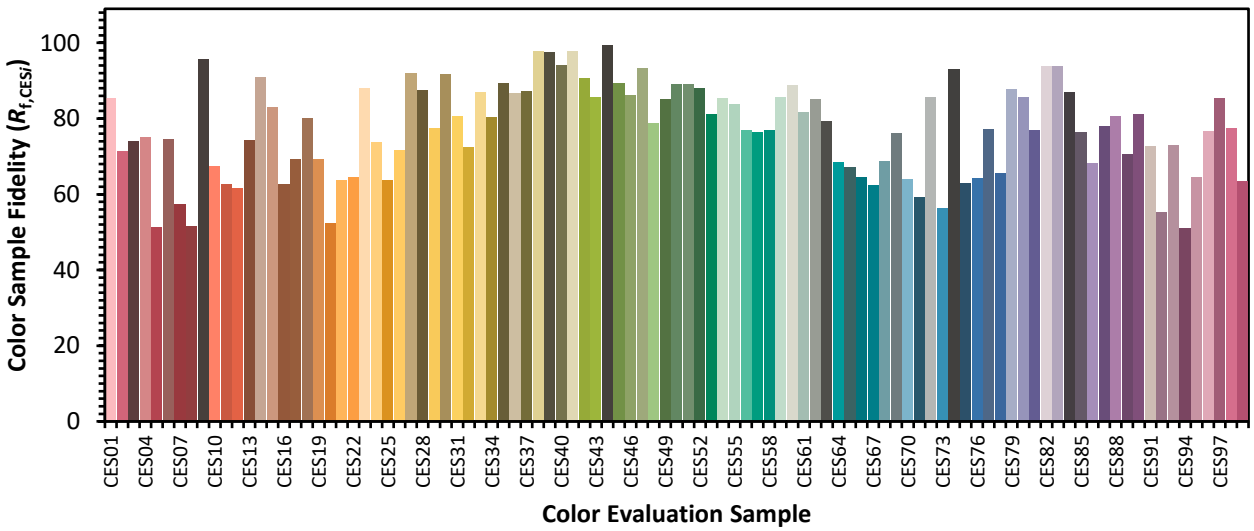


REPORT NUMBER: SP1-2501-332-1

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

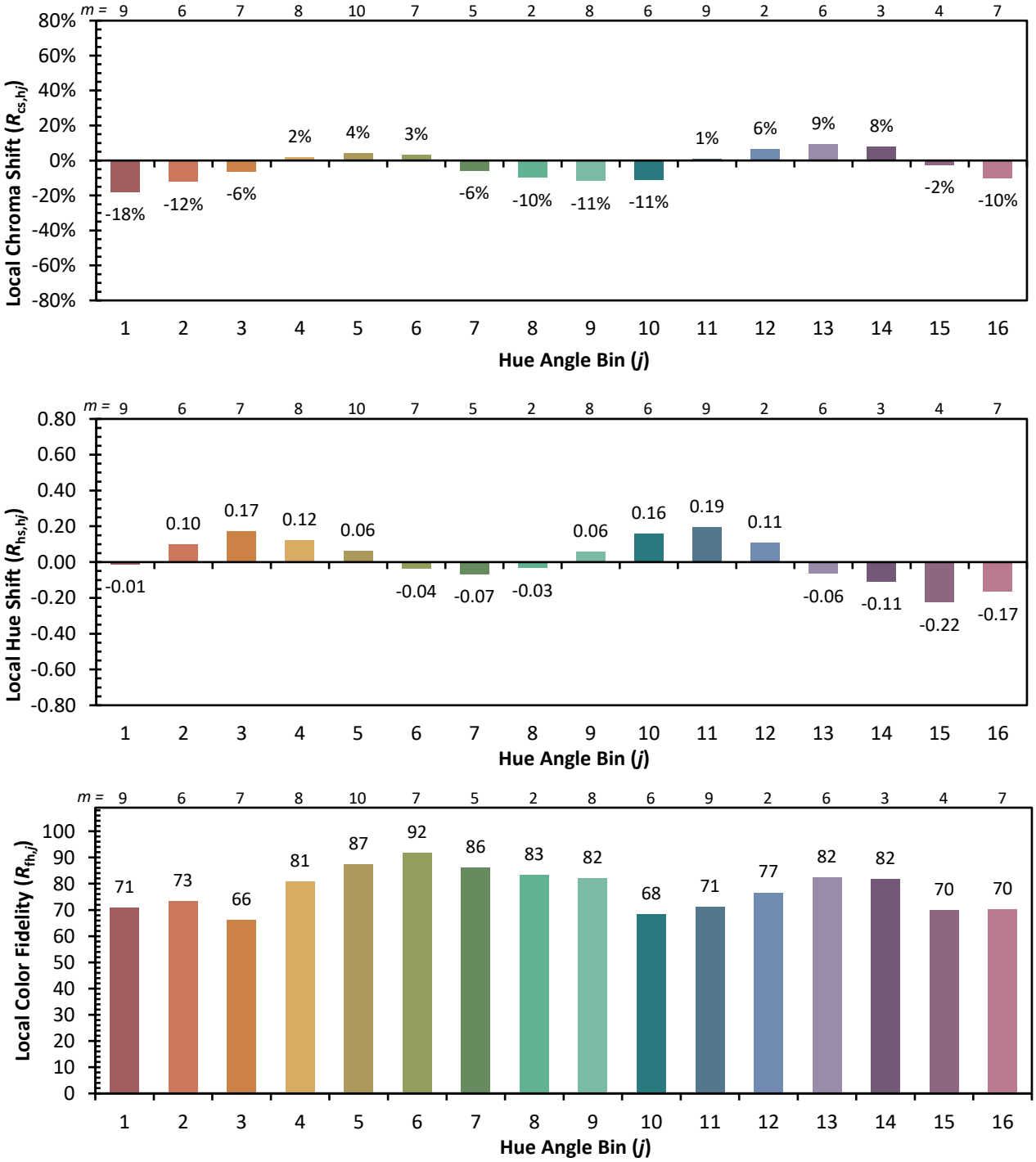
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
CES25 = 72	CES50 = 89	CES75 = 63	



REPORT NUMBER: SP1-2501-332-1

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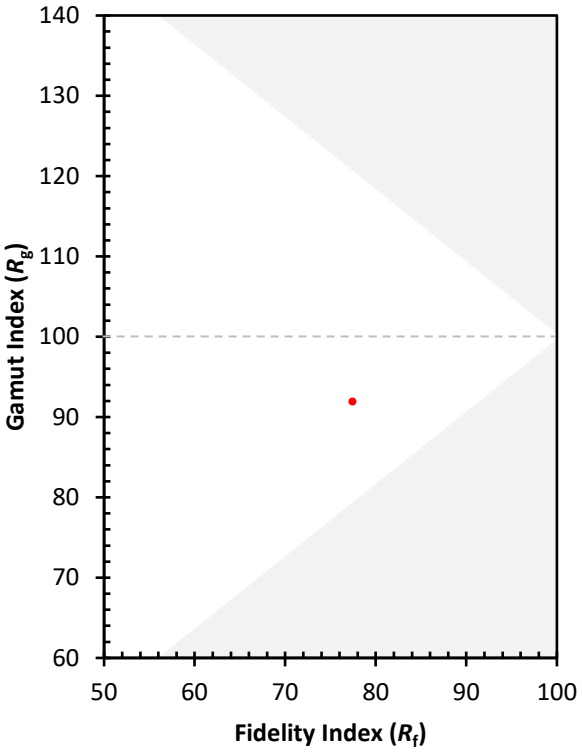
Color Rendition by Hue-Angle Bin

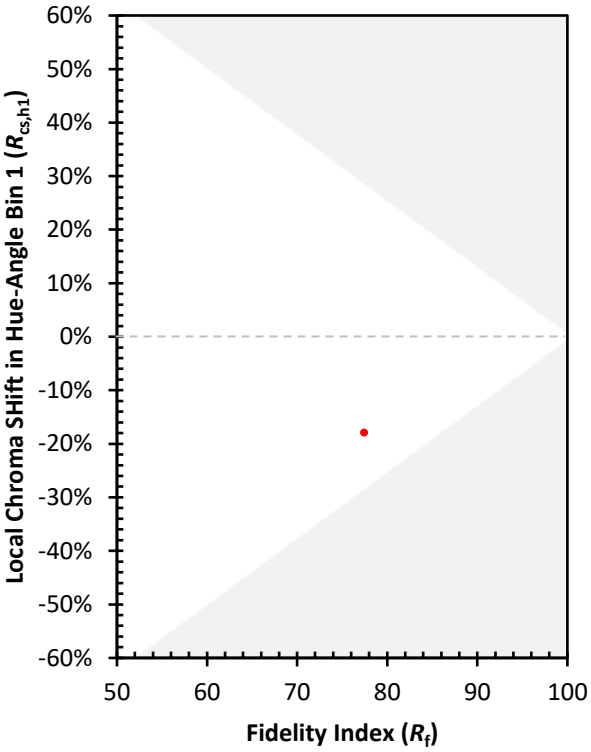


REPORT NUMBER: SP1-2501-332-1

TM-30-18

Measure Comparisons





(END OF REPORT)