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: P1224057

Luminaire Tested: **FFX-CLB-20-750-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224057
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-750-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3011.1 lumens
Efficiency:	N/A
Efficacy:	152.1 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

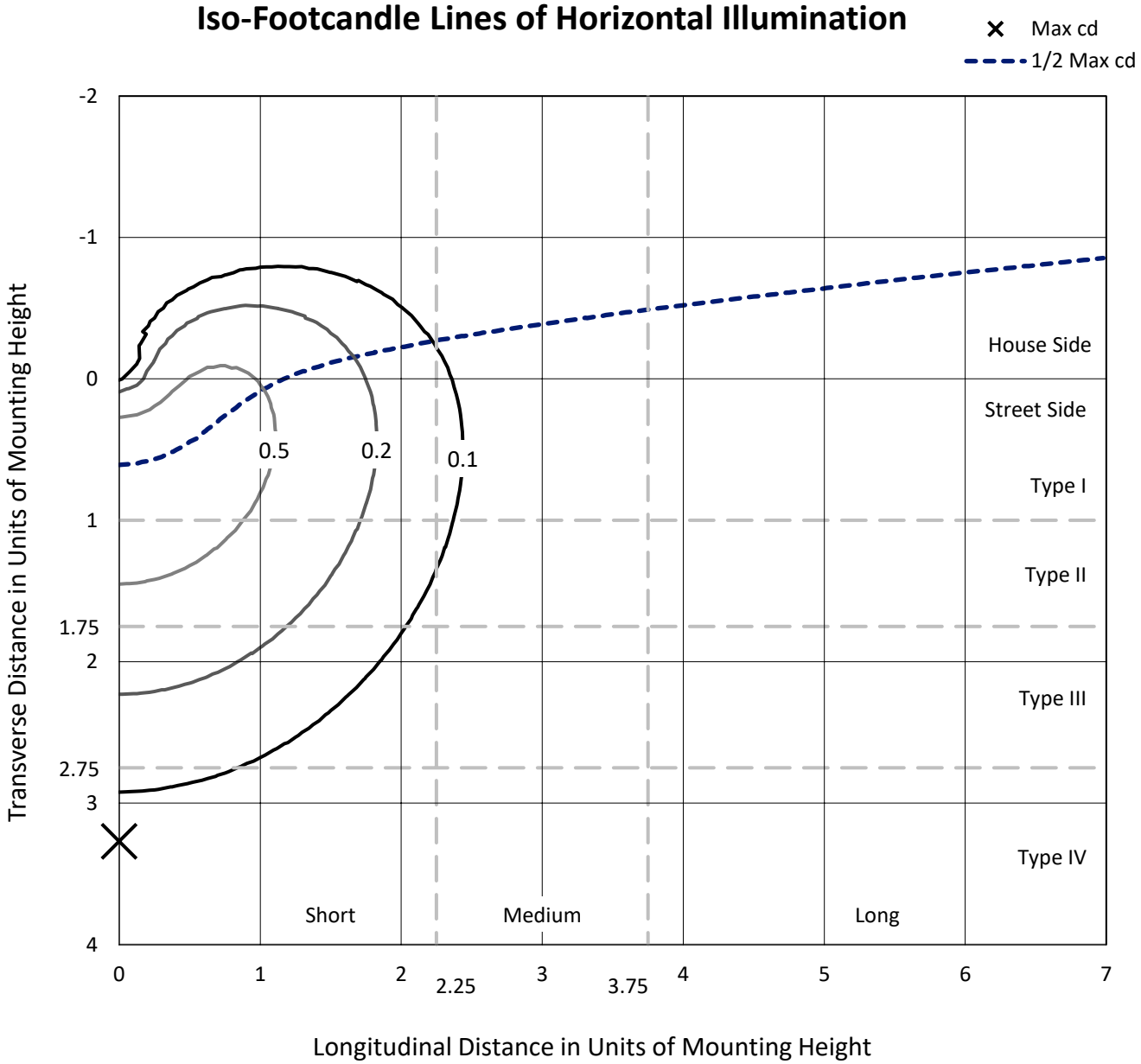


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REPORT NUMBER: P1224057
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Iso-Footcandle Lines of Horizontal Illumination



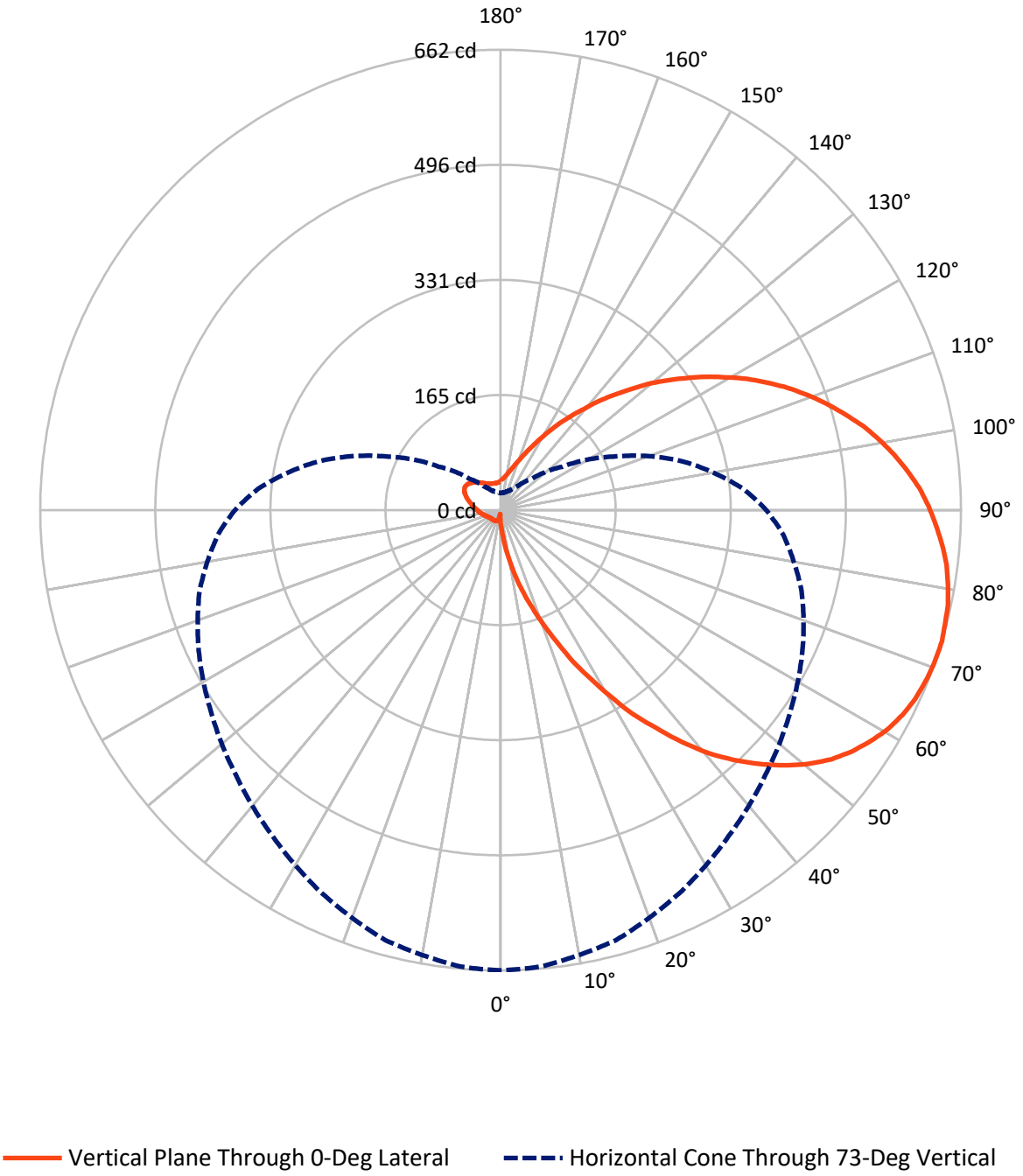
Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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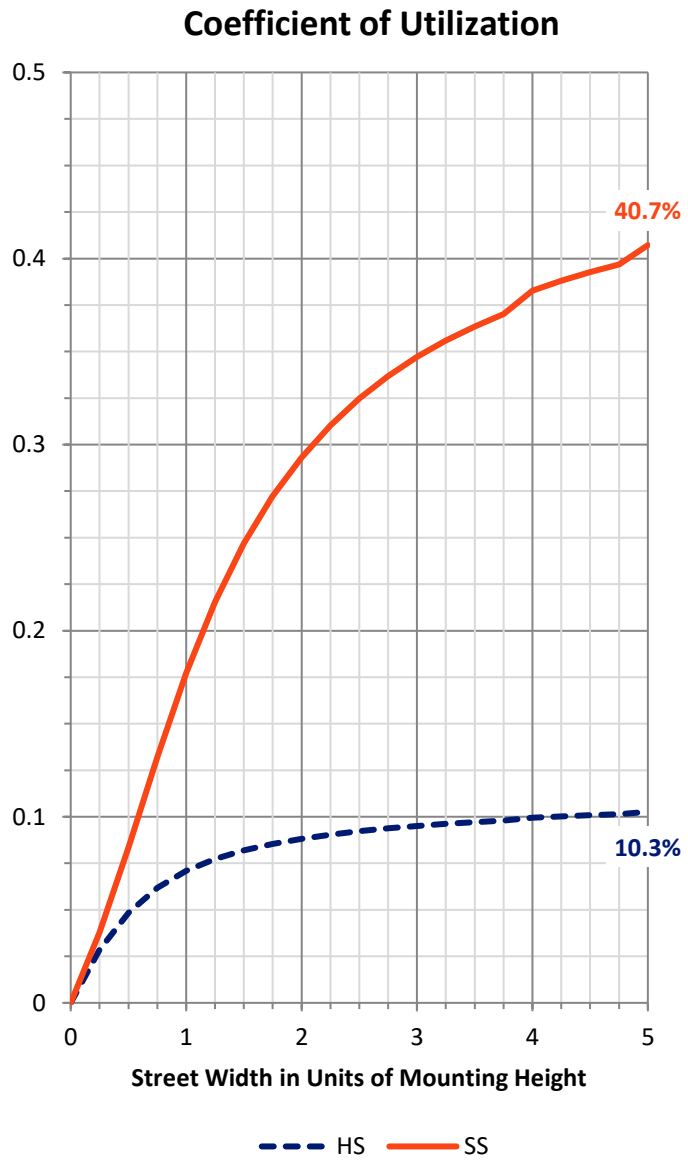
REPORT NUMBER: P1224057
CATALOG NUMBER: FFX-CLB-20-750-U-VM8-T4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.5	327.7	661.2
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	1406.2	943.6	2349.8
	% Fixture	46.7	31.3	78.0
Total	Lumens	1739.7	1271.4	3011.1
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	21.3	0.7
20°-30°	64.5	2.1
30°-40°	134.3	4.5
40°-50°	212.8	7.1
50°-60°	279.5	9.3
60°-70°	325.7	10.8
70°-80°	349.1	11.6
80°-90°	349.4	11.6
90°-100°	327.6	10.9
100°-110°	288.2	9.6
110°-120°	238.0	7.9
120°-130°	179.1	5.9
130°-140°	118.2	3.9
140°-150°	67.8	2.3
150°-160°	33.6	1.1
160°-170°	14.7	0.5
170°-180°	4.1	0.1
0°-90°	1739.7	57.8
0°-180°	3011.1	100.0



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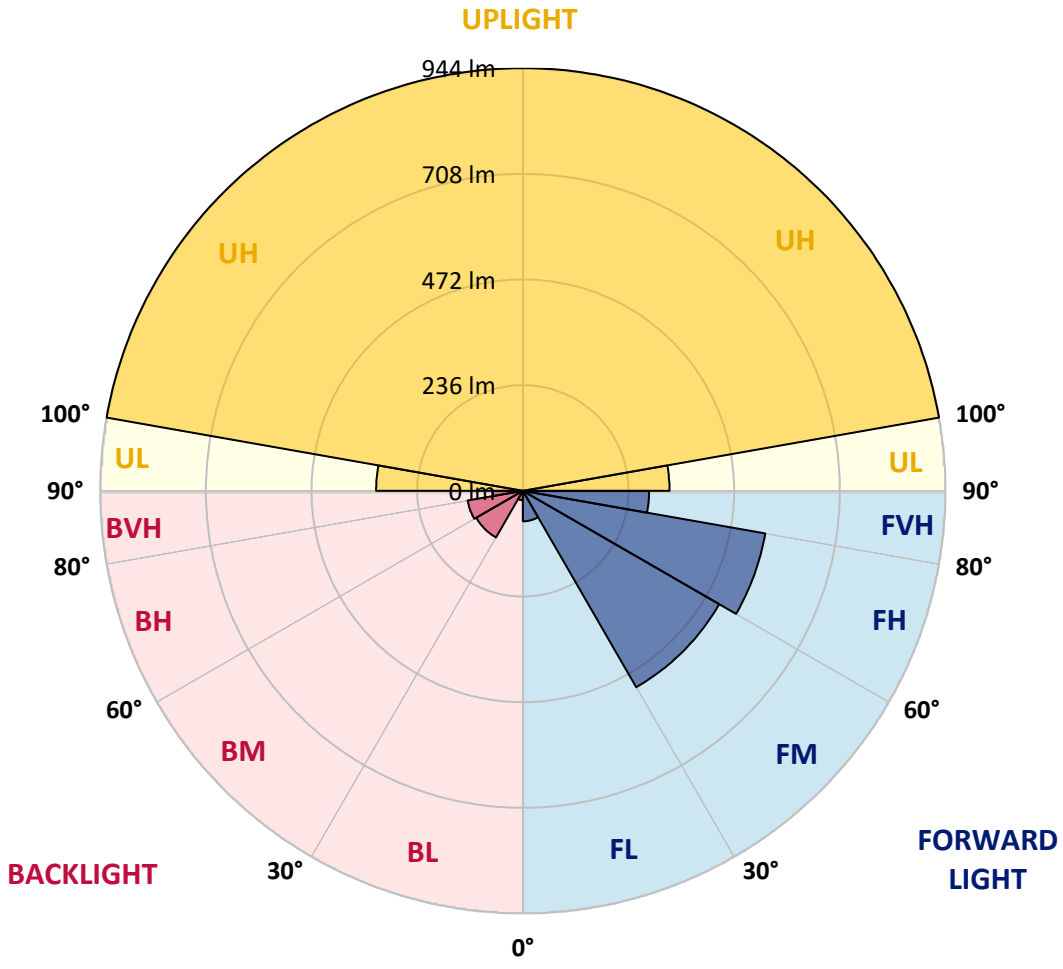
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	68.1	2.3			
FM	(30°-60°)	506.4	16.8			
FH	(60°-80°)	549.7	18.3			G0/660
FVH	(80°-90°)	281.9	9.4			G3/500
BL	(0°-30°)	20.8	0.7	B0/110		
BM	(30°-60°)	120.2	4.0	B0/220		
BH	(60°-80°)	125.1	4.2	B1/500		G1/500
BVH	(80°-90°)	67.4	2.2			G1/100
UL	(90°-100°)	327.6	10.9		U3/500	
UH	(100°-180°)	943.7	31.3		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°	*20.4*	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	*27.2*	27.4	27.2	27.6	26.5	26.5	25.7	24.9	23.9	22.6	21.8
5°	*40.3*	40.1	40.1	40.3	39.7	37.9	35.8	32.9	30.5	27.8	26.3
7.5°	*58.0*	57.2	56.4	56.2	54.1	51.4	48.6	45.3	41.8	38.1	35.4
10°	*76.6*	77.2	76.4	74.1	71.6	68.5	64.8	60.3	55.8	50.6	47.5
12.5°	*100.4*	98.8	96.7	94.5	92.0	89.1	83.1	78.0	71.6	65.2	61.1
15°	*123.7*	122.2	122.2	119.4	115.5	111.1	105.6	99.2	90.3	80.3	76.6
17.5°	*147.6*	147.8	145.7	142.4	138.9	133.4	127.4	118.3	109.3	98.8	92.4
20°	*175.5*	174.7	173.3	170.8	164.6	159.7	152.3	142.2	129.9	117.1	109.3
22.5°	*204.6*	205.0	205.0	201.1	195.3	188.5	180.1	168.5	153.9	137.5	128.0
25°	*240.8*	240.6	236.7	232.1	227.6	220.6	209.9	195.9	179.9	160.1	149.0
27.5°	*273.7*	273.5	272.7	268.6	261.8	252.7	240.2	224.9	206.6	183.0	169.8
30°	*310.3*	311.2	308.9	305.4	296.6	287.3	272.7	254.8	233.2	207.6	192.8
32.5°	*350.1*	348.4	346.6	342.0	332.4	319.4	302.9	284.4	260.7	231.5	215.3
35°	*384.4*	387.5	384.6	377.6	365.7	351.9	333.8	313.0	287.3	256.0	237.5
37.5°	*423.1*	422.5	418.2	411.4	399.9	382.4	363.2	339.2	310.3	277.8	257.2
40°	*459.1*	456.7	454.2	444.1	429.5	412.0	388.3	363.8	334.2	297.6	276.8
42.5°	*491.0*	490.8	484.2	474.2	455.8	436.5	412.0	384.6	353.8	315.9	292.4
45°	*520.5*	519.8	513.5	498.4	481.1	457.9	432.4	404.0	371.5	331.5	309.1
47.5°	*548.2*	546.6	537.7	522.5	500.7	476.2	449.9	420.0	386.5	345.5	322.1
50°	*573.6*	572.1	561.8	542.5	519.2	493.1	464.3	433.4	400.7	359.5	334.2
52.5°	*595.2*	592.7	580.8	560.0	533.4	505.8	475.8	444.9	411.8	369.4	344.9
55°	*612.4*	609.8	597.0	573.8	546.0	516.1	485.7	455.0	420.4	378.3	353.1
57.5°	*626.9*	624.8	610.8	585.3	555.6	525.0	494.1	462.8	428.5	386.5	360.3
60°	*639.4*	636.9	621.1	594.7	563.5	531.8	500.3	469.0	435.3	392.9	366.9
62.5°	*648.3*	646.4	629.7	601.5	569.0	536.9	504.4	474.2	440.4	398.6	371.9
65°	*654.6*	652.4	635.5	605.7	572.5	539.4	507.5	476.4	443.7	402.1	375.6
67.5°	*658.3*	656.7	639.0	608.5	574.0	540.6	508.9	478.7	446.4	405.0	378.5
70°	*660.8*	658.3	640.4	609.2	573.6	540.4	508.9	478.9	447.8	407.1	380.1
72.5°	*661.4*	658.8	640.2	608.1	572.3	538.4	507.9	479.1	448.2	408.1	381.8
73°	*661.6*	*658.8*	*640.0*	*607.7*	*571.7*	*538.2*	*507.7*	*478.7*	*447.8*	*407.9*	*381.8*
75°	*659.4*	657.5	638.4	605.2	569.6	536.1	506.3	477.7	447.8	408.1	381.5
77.5°	*657.1*	654.2	634.3	601.7	564.9	532.4	503.2	475.6	446.4	407.7	381.3
80°	*651.8*	648.9	628.9	595.2	558.9	527.0	498.8	472.3	443.7	405.4	379.7
82.5°	*645.6*	642.3	621.5	587.5	551.7	520.3	493.3	468.0	440.2	402.7	377.2
85°	*636.5*	634.1	612.9	578.3	543.5	513.3	486.9	462.8	435.7	398.6	373.5
87.5°	*626.0*	624.0	602.0	567.8	533.0	504.2	479.5	456.0	430.5	394.1	369.4
90°	*615.1*	612.7	590.6	555.9	522.7	494.3	470.9	448.8	424.1	388.5	364.1
92.5°	*602.6*	599.7	577.5	543.7	511.4	484.2	462.4	440.8	416.9	382.2	358.5
95°	*587.3*	584.7	562.6	528.9	497.2	472.5	451.3	431.3	408.5	374.5	351.7
97.5°	*571.1*	568.6	546.4	514.1	483.4	459.1	439.4	421.3	399.4	367.1	344.1
100°	*553.6*	550.3	528.3	497.2	466.9	444.9	427.2	411.0	389.6	357.9	335.9
102.5°	*535.1*	532.0	511.0	480.5	452.1	430.7	414.7	398.8	379.3	349.4	327.8
105°	*514.1*	512.4	491.2	461.8	435.3	415.5	400.5	386.7	368.2	339.2	319.4
107.5°	*493.3*	490.0	470.2	442.0	417.1	399.2	386.3	373.5	356.6	328.9	310.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*471.3*	468.0	450.3	423.3	400.3	383.2	371.3	359.9	344.7	318.8	301.1
112.5°	*449.0*	445.3	427.8	403.2	380.7	366.7	355.8	346.4	332.6	308.7	291.2
115°	*425.0*	423.5	406.4	382.8	363.0	349.9	340.4	331.7	318.8	297.8	281.7
117.5°	*401.3*	398.6	383.8	362.0	343.7	331.3	324.1	316.5	304.8	285.0	271.0
120°	*375.8*	375.2	361.0	340.6	323.5	313.8	306.8	300.5	290.2	272.3	259.1
122.5°	*351.7*	350.5	336.9	318.6	304.4	295.3	289.8	284.2	275.4	258.7	246.3
125°	*326.2*	324.7	314.0	299.0	285.4	276.8	271.4	267.1	259.1	244.1	232.5
127.5°	*302.5*	301.1	291.4	277.0	266.3	258.5	253.5	249.6	241.6	228.6	218.6
130°	*279.1*	276.6	268.2	256.6	245.9	240.6	235.6	232.8	224.5	212.4	203.5
132.5°	*254.0*	252.7	246.7	236.0	227.4	221.8	217.5	213.8	207.4	196.3	188.3
135°	*231.7*	230.5	224.9	215.9	209.9	204.8	200.9	196.9	190.4	179.7	172.9
137.5°	*210.5*	209.5	204.6	198.4	190.8	187.7	185.0	180.3	174.5	164.8	158.7
140°	*188.3*	188.7	184.8	179.2	174.5	170.8	168.1	164.2	158.5	150.2	144.1
142.5°	*170.0*	170.6	165.9	162.0	157.6	154.8	152.1	148.8	143.2	135.8	131.1
145°	*152.7*	151.3	149.4	145.7	141.6	139.7	137.1	134.2	129.9	122.4	118.5
147.5°	*135.2*	134.8	132.9	130.5	127.2	124.3	122.2	120.6	116.3	110.1	106.6
150°	*119.4*	118.9	117.9	116.1	113.2	111.3	109.7	107.4	103.3	98.6	95.5
152.5°	*105.4*	105.4	104.7	102.3	101.0	99.0	96.9	95.7	91.6	87.7	85.0
155°	*93.2*	93.2	92.4	91.2	88.9	87.7	86.4	84.6	81.7	78.6	76.1
157.5°	*82.7*	82.9	81.9	80.9	79.2	78.2	77.0	75.1	73.3	70.4	68.5
160°	*73.5*	73.7	73.3	72.4	70.8	69.8	68.7	67.3	65.6	63.4	61.7
162.5°	*66.1*	65.9	65.4	64.6	63.6	63.0	61.7	60.7	59.3	57.6	56.2
165°	*60.3*	59.7	59.5	58.9	57.8	57.2	56.2	55.4	54.3	52.7	52.1
167.5°	*55.2*	55.2	54.7	54.3	53.5	52.7	51.9	51.2	50.4	49.4	48.6
170°	*51.0*	51.0	50.6	50.2	49.4	49.0	48.4	47.7	47.1	46.3	45.9
172.5°	*47.7*	47.7	47.5	46.9	46.5	45.9	45.7	45.1	44.5	44.0	43.6
175°	*45.3*	45.3	44.9	44.5	44.0	43.6	43.2	43.0	42.8	42.4	42.2
177.5°	*43.4*	43.2	43.0	42.6	42.2	42.0	41.8	41.6	41.6	41.4	41.2
180°	*41.0*	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	21.0	19.1	17.1	15.2	14.2	12.8	11.9	11.5	11.9	11.3
5°	24.9	21.6	18.3	15.8	13.2	11.1	9.3	7.4	6.2	6.0
7.5°	33.1	29.4	24.9	20.8	17.1	13.8	10.9	8.6	7.0	6.8
10°	43.8	38.3	32.5	26.8	21.4	17.1	13.6	11.1	10.3	10.1
12.5°	57.2	49.2	41.2	33.5	27.0	21.2	17.3	14.6	13.4	13.2
15°	71.2	61.1	50.8	41.0	32.1	25.1	20.2	17.3	15.8	15.6
17.5°	86.2	73.1	59.1	47.5	37.0	28.6	22.4	18.5	16.9	16.5
20°	101.5	85.0	68.9	53.9	41.2	30.9	23.7	19.1	17.1	16.7
22.5°	118.5	98.8	78.8	60.1	44.9	33.1	24.7	19.6	17.3	16.9
25°	137.9	112.8	89.1	67.3	49.0	35.2	25.7	20.2	17.5	17.1
27.5°	157.6	128.4	99.6	73.7	52.5	36.6	26.5	20.4	17.7	17.3
30°	177.6	144.1	110.3	79.8	55.6	38.3	27.0	20.6	17.7	17.5
32.5°	198.4	158.7	120.6	85.6	58.2	39.3	27.4	20.8	17.9	17.5
35°	217.1	174.1	130.3	91.2	60.7	40.1	27.6	20.8	17.9	17.5
37.5°	235.0	187.3	139.1	95.7	62.6	40.7	27.8	20.8	17.9	17.5
40°	253.7	201.3	147.1	99.8	64.0	41.2	27.8	20.8	17.9	17.7
42.5°	269.0	213.0	153.9	102.7	65.0	41.2	27.8	20.8	18.1	17.7
45°	282.8	222.7	160.5	105.4	65.6	41.2	27.6	21.0	18.1	17.9
47.5°	294.7	232.3	165.5	107.2	65.9	41.2	27.6	21.0	18.3	18.1
50°	305.8	240.2	169.8	108.7	66.1	41.0	27.6	21.2	18.5	18.1
52.5°	315.3	246.5	173.3	109.5	65.6	40.5	27.6	21.4	18.9	18.5
55°	323.3	252.5	175.7	109.9	65.2	40.3	27.6	21.6	19.1	18.9
57.5°	329.9	257.2	178.0	110.1	64.8	40.1	27.8	22.0	19.8	19.6
60°	335.9	261.2	179.7	110.1	64.4	39.9	28.0	22.4	20.2	20.0
62.5°	340.6	264.2	180.9	109.9	64.2	39.9	28.4	23.0	20.8	20.6
65°	343.9	266.5	181.5	109.5	63.8	40.1	28.8	23.7	21.6	21.4
67.5°	347.0	268.6	181.9	109.3	63.6	40.3	29.4	24.5	22.4	22.2
70°	348.8	269.8	182.1	109.1	63.4	40.7	30.0	25.3	23.5	23.3
72.5°	349.6	270.6	182.3	108.7	63.6	41.2	30.9	26.1	24.5	24.3
73°	*349.9*	*270.6*	*182.1*	*108.7*	*63.6*	*41.4*	*31.1*	*26.5*	*24.7*	*24.5*
75°	350.3	270.6	181.9	108.5	63.8	41.8	31.7	27.4	25.5	25.5
77.5°	349.6	270.2	181.5	108.2	64.0	42.6	32.7	28.4	26.8	26.5
80°	348.4	269.2	180.9	108.2	64.4	43.4	34.0	29.6	28.0	27.8
82.5°	345.7	267.3	180.1	108.0	65.0	44.5	35.2	30.9	29.4	29.2
85°	343.1	265.1	178.8	108.0	65.9	45.7	36.4	32.3	30.9	30.7
87.5°	338.9	262.4	177.6	107.8	66.7	46.7	37.7	33.8	32.1	32.1
90°	334.2	259.5	176.4	108.0	67.5	48.2	39.3	35.4	33.8	33.5
92.5°	329.5	256.2	174.9	108.5	68.9	49.6	41.0	37.0	35.4	35.0
95°	323.1	251.7	173.3	108.7	70.2	51.2	42.6	38.7	37.0	37.0
97.5°	316.5	247.6	171.4	109.3	71.8	53.3	44.9	40.7	39.1	39.1
100°	309.5	243.3	170.2	109.9	73.5	55.6	46.9	42.8	41.2	41.2
102.5°	302.1	238.5	169.0	111.1	75.9	57.8	49.4	45.3	43.4	43.4
105°	294.5	234.0	167.7	112.6	78.4	60.7	52.1	48.0	46.1	46.1
107.5°	287.1	229.7	166.7	114.4	81.1	63.6	54.7	50.6	48.8	48.4

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

Scaled Data Report

REPORT NUMBER: P1224057
CATALOG NUMBER: FFX-CLB-20-750-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	279.3	225.1	165.9	116.3	84.2	66.9	58.0	53.3	51.2	51.2
112.5°	270.8	220.4	165.3	118.1	87.5	70.2	60.9	56.2	54.1	53.7
115°	262.0	215.7	164.0	120.2	90.3	73.5	64.0	58.7	56.4	56.2
117.5°	253.3	210.1	162.6	121.6	93.0	76.1	66.5	61.1	58.7	58.4
120°	243.3	203.9	160.1	122.0	95.1	78.2	68.5	62.8	60.3	59.9
122.5°	232.1	195.9	156.6	121.6	96.1	79.6	69.8	64.0	61.1	60.9
125°	219.6	187.1	152.1	120.2	96.3	80.3	70.2	64.2	61.5	61.1
127.5°	206.4	178.2	146.1	117.3	95.1	79.8	69.8	63.8	60.9	60.7
130°	192.8	167.7	139.1	113.6	93.0	78.4	68.7	62.8	59.9	59.7
132.5°	179.2	156.6	131.5	108.7	90.1	76.1	66.9	61.1	58.4	58.0
135°	164.6	145.7	123.7	103.5	86.2	73.7	64.6	59.1	56.4	56.2
137.5°	151.3	134.4	115.7	97.8	82.5	70.4	62.2	57.0	54.7	54.3
140°	138.1	123.5	107.0	91.6	77.8	67.1	59.3	54.7	52.5	52.3
142.5°	125.9	113.4	99.4	85.6	73.5	63.8	56.8	52.5	50.6	50.2
145°	113.4	102.9	91.4	79.4	68.7	60.3	54.1	50.2	48.6	48.2
147.5°	102.5	93.2	83.3	73.3	64.4	56.8	51.4	48.2	46.7	46.5
150°	92.2	84.4	75.7	67.5	59.7	53.5	49.0	46.1	44.9	44.7
152.5°	82.9	76.1	69.1	62.2	55.6	50.6	46.7	44.2	43.2	43.2
155°	74.3	68.7	63.2	57.4	52.3	48.2	45.1	43.0	42.2	42.0
157.5°	66.9	62.6	58.0	53.3	49.4	45.9	43.4	42.0	41.2	41.2
160°	60.5	57.2	53.5	50.0	46.9	44.0	42.2	41.0	40.3	40.3
162.5°	55.4	52.7	49.8	47.1	44.5	42.6	41.2	40.3	39.9	39.9
165°	51.0	49.2	47.1	44.9	43.0	41.6	40.5	39.9	39.7	39.7
167.5°	48.0	46.3	44.7	43.2	42.0	40.7	40.1	39.7	39.7	39.5
170°	45.3	44.2	42.8	41.8	40.7	40.1	39.7	39.5	39.5	39.3
172.5°	43.2	42.4	41.6	40.7	40.1	39.7	39.5	39.5	39.5	39.5
175°	42.0	41.4	40.7	40.3	39.9	39.5	39.5	39.7	39.7	39.7
177.5°	41.0	40.7	40.3	40.1	39.9	39.9	39.9	40.1	40.3	40.3
180°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

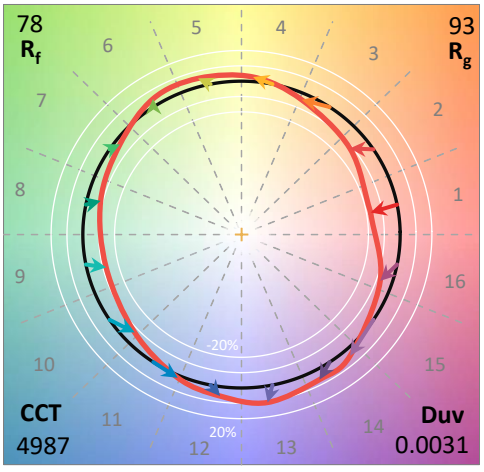
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

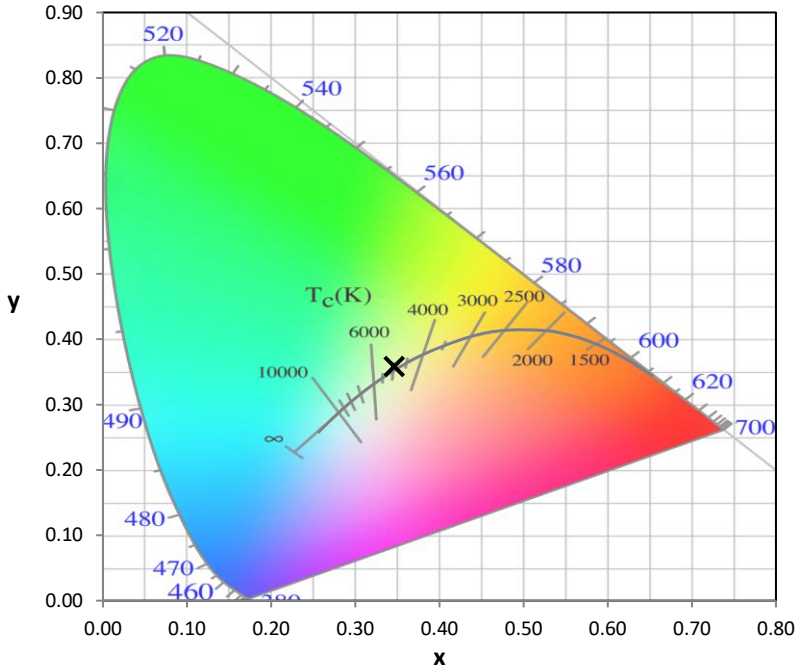
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

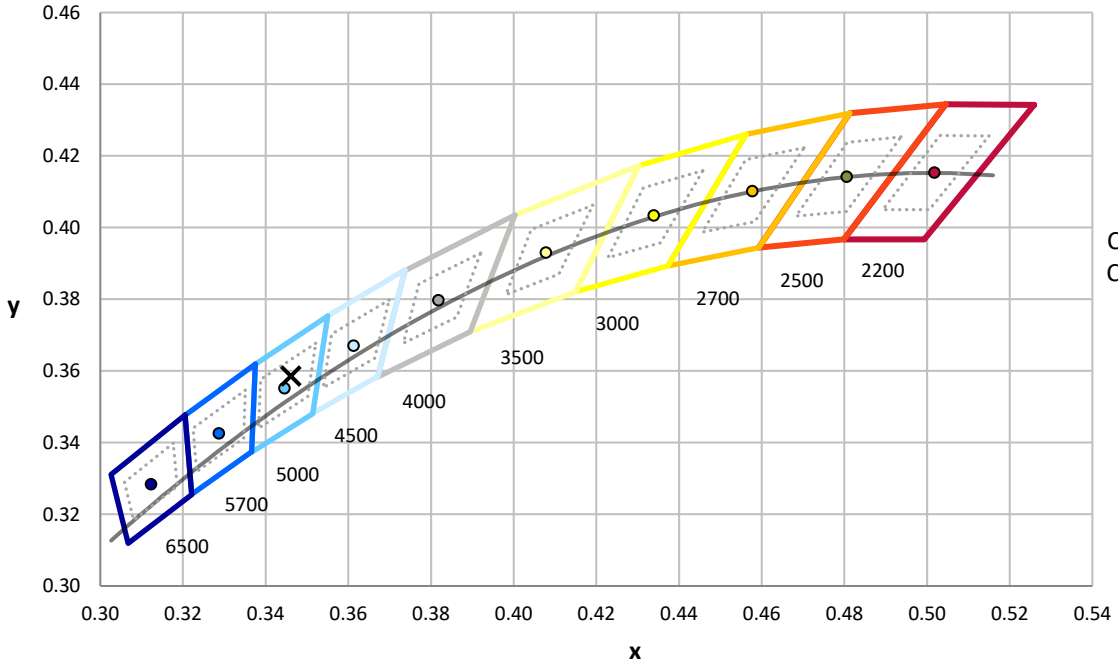
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

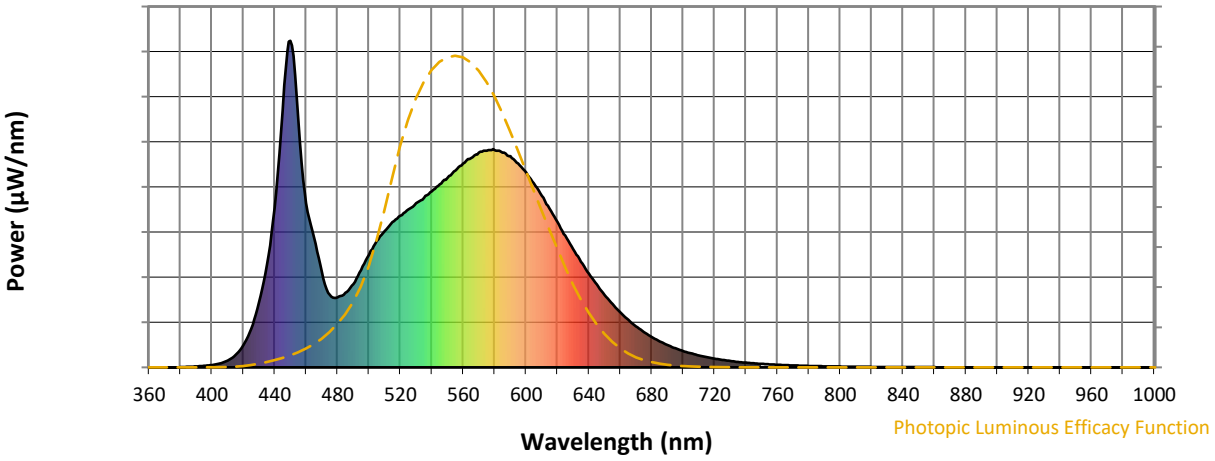


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

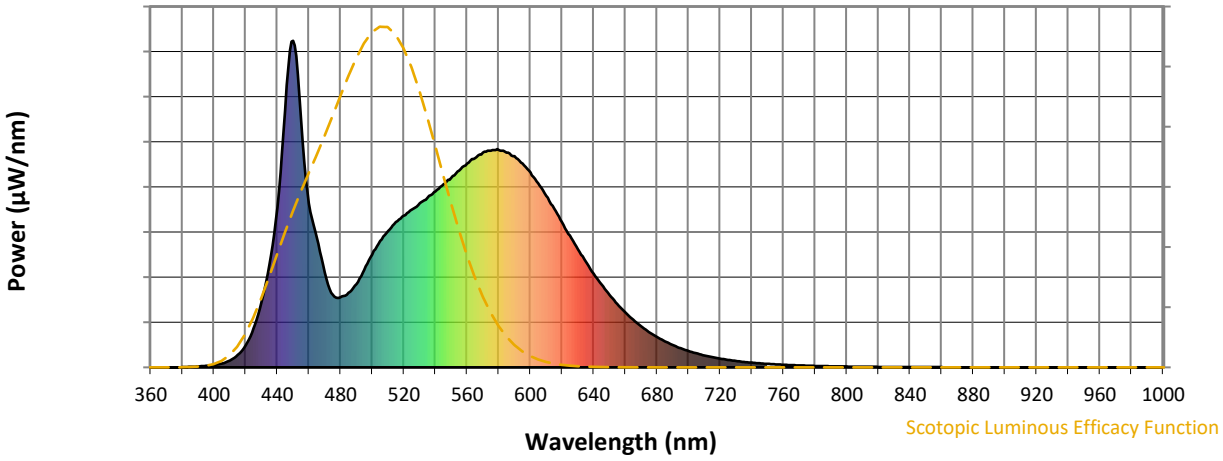


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

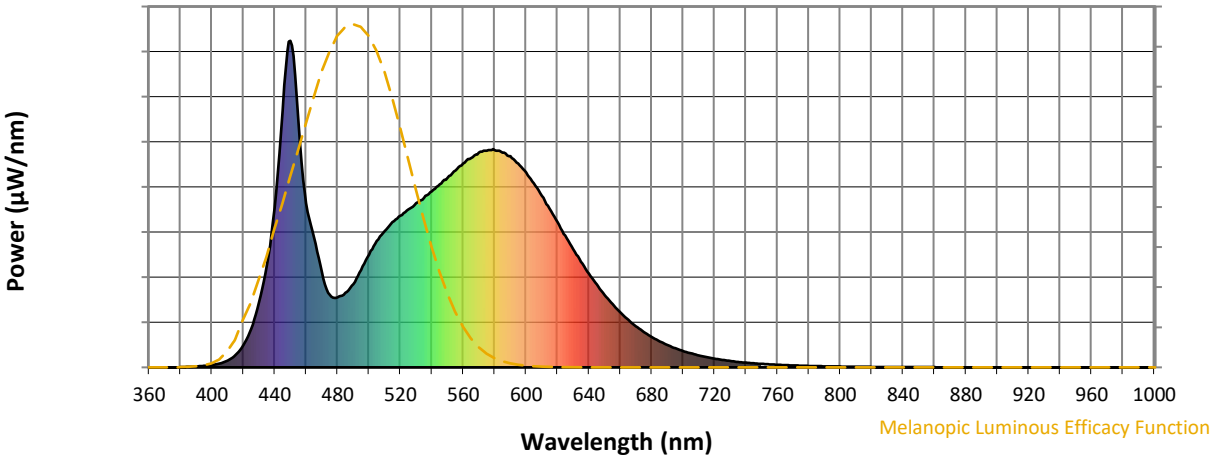


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

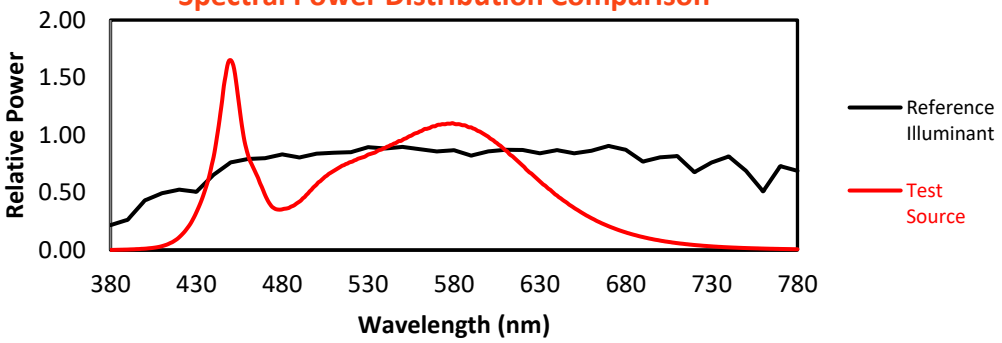
REPORT NUMBER: SP1-2501-332-5

TM-30-18

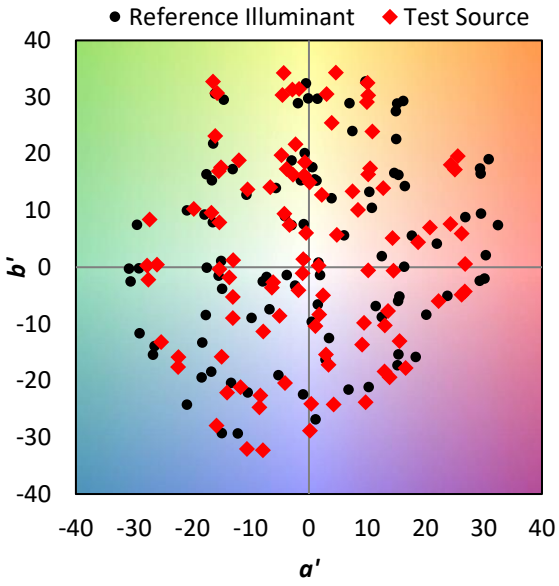
Summary

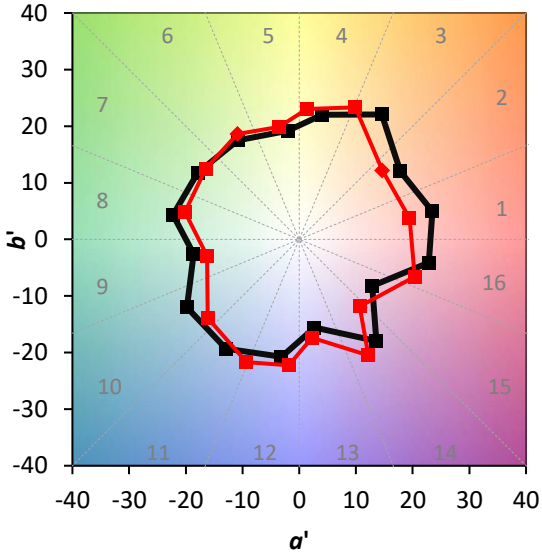
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

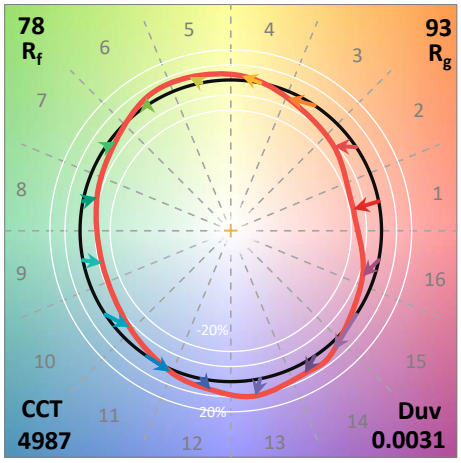
Spectral Power Distribution Comparison

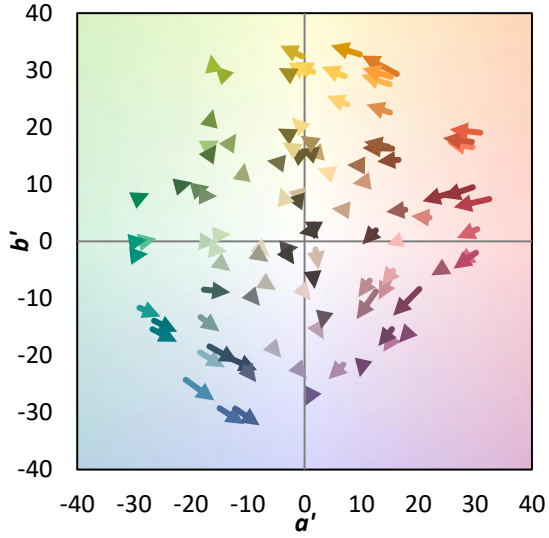


Color Vector Graphics







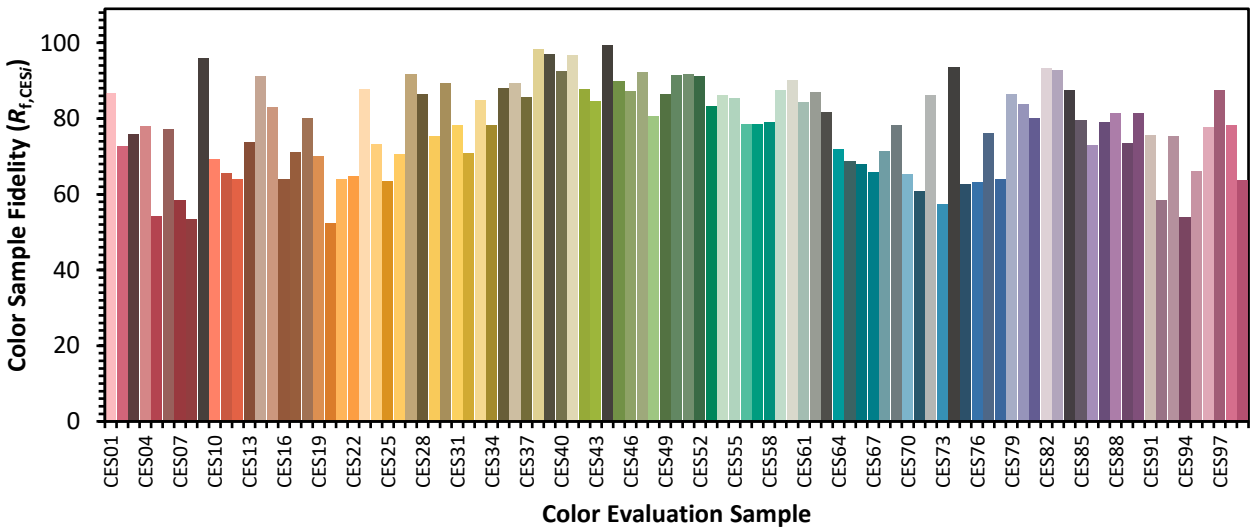


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

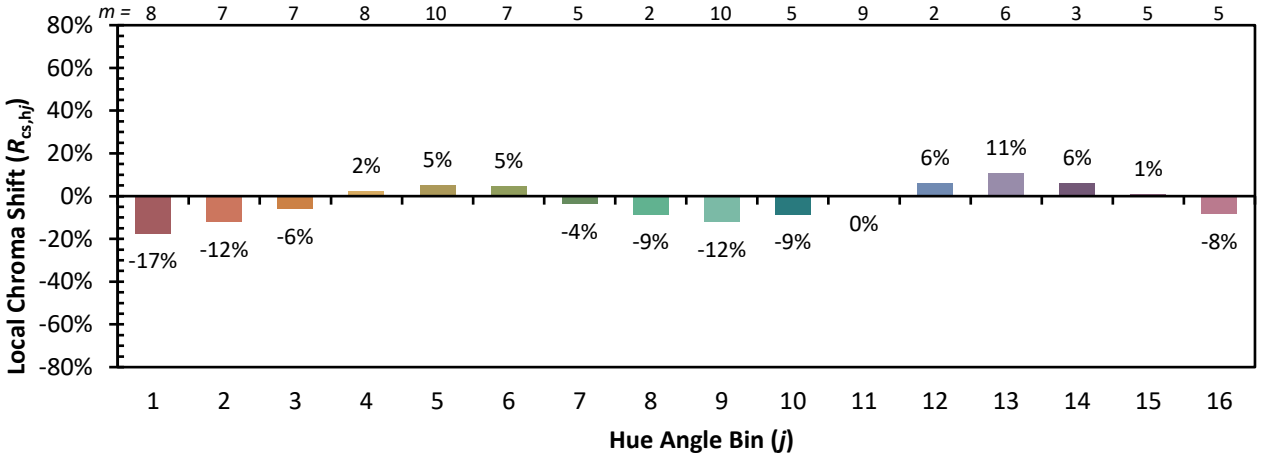
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

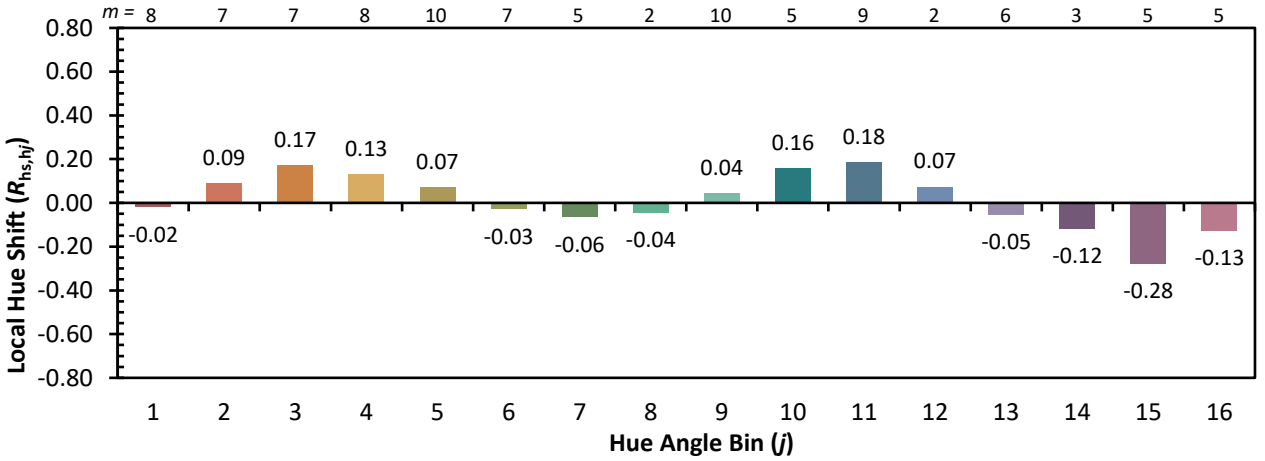


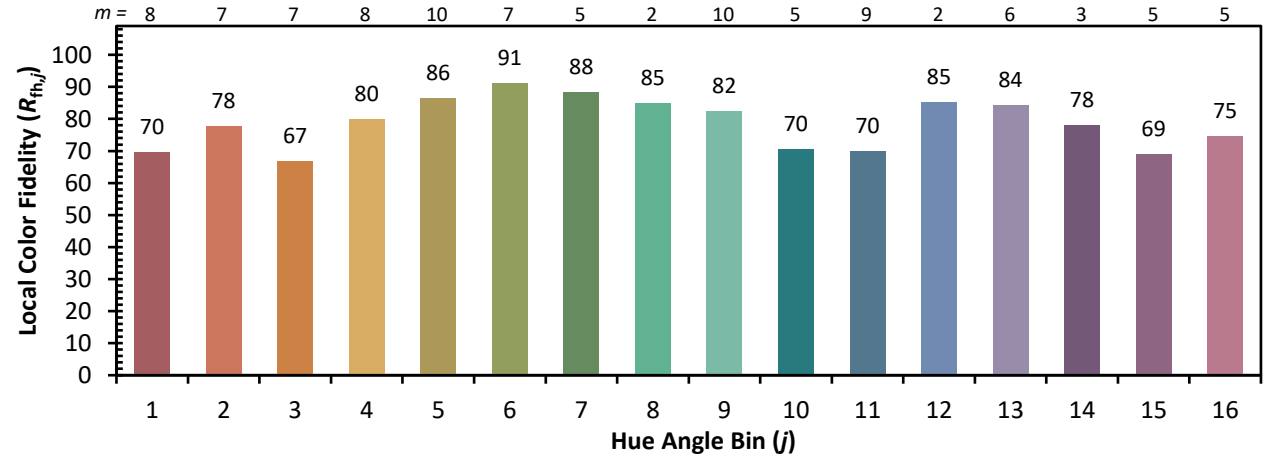
REPORT NUMBER: SP1-2501-332-5

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Color Rendition by Hue-Angle Bin



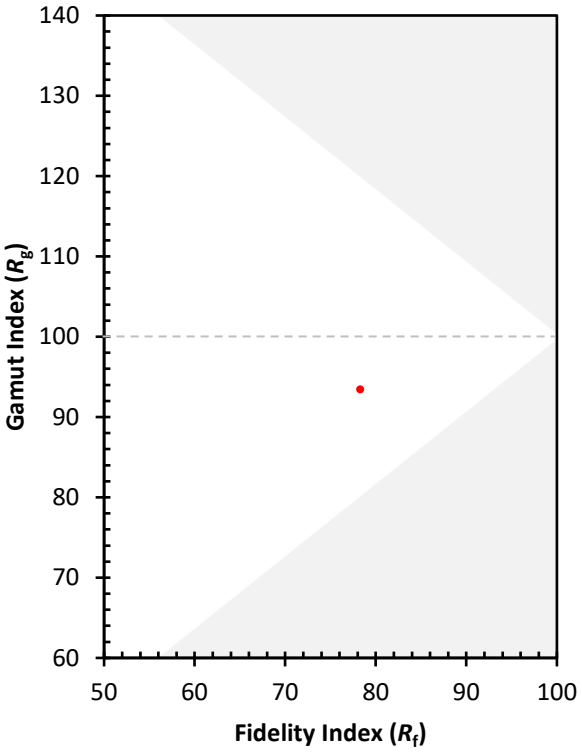


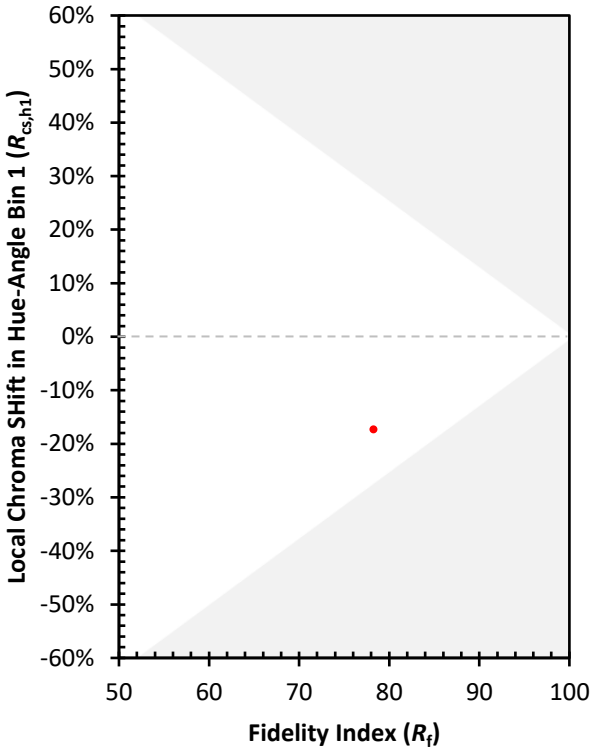


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Measure Comparisons





(END OF REPORT)