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: P1223921

Luminaire Tested: **FFX-CLB-30-750-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:	P1223921
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-750-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4930.8 lumens
Efficiency:	N/A
Efficacy:	161.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

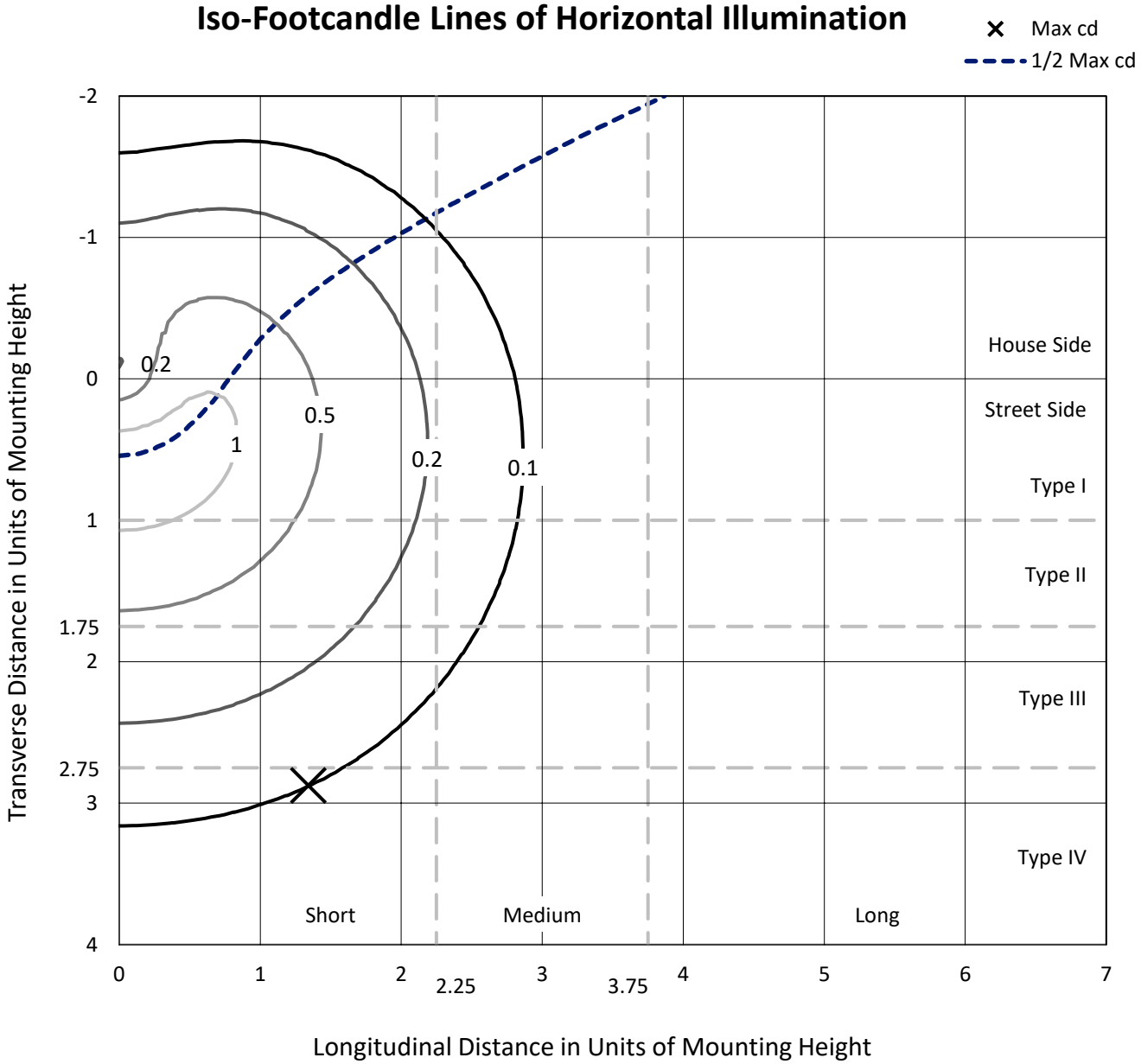


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Iso-Footcandle Lines of Horizontal Illumination



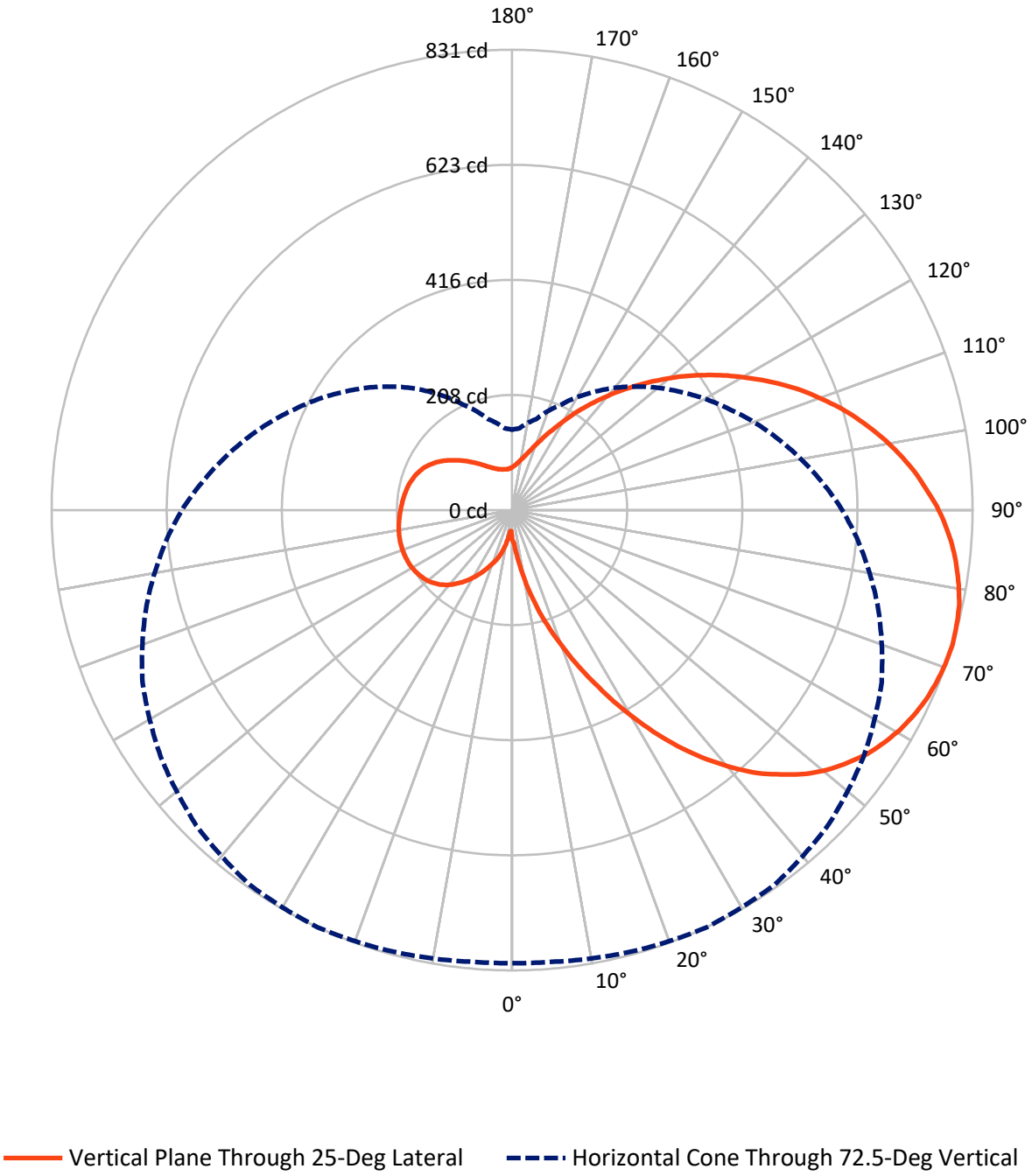
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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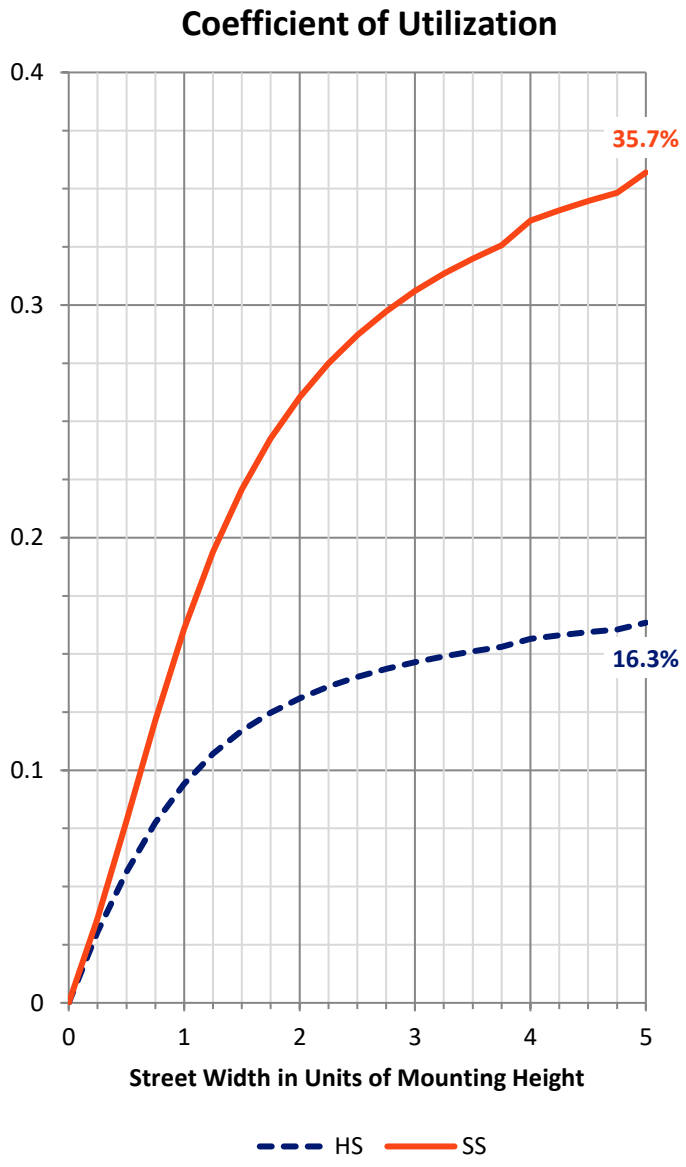
REPORT NUMBER: P1223921
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	888.4	679.8	1568.2
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	2009.3	1353.3	3362.6
	% Fixture	40.7	27.4	68.2
Total	Lumens	2897.7	2033.2	4930.8
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	41.8	0.8
20°-30°	114.0	2.3
30°-40°	226.0	4.6
40°-50°	352.8	7.2
50°-60°	462.4	9.4
60°-70°	539.6	10.9
70°-80°	579.0	11.7
80°-90°	575.1	11.7
90°-100°	533.6	10.8
100°-110°	464.6	9.4
110°-120°	376.0	7.6
120°-130°	276.8	5.6
130°-140°	183.0	3.7
140°-150°	108.3	2.2
150°-160°	56.9	1.2
160°-170°	26.4	0.5
170°-180°	7.6	0.2
0°-90°	2897.7	58.8
0°-180°	4930.8	100.0



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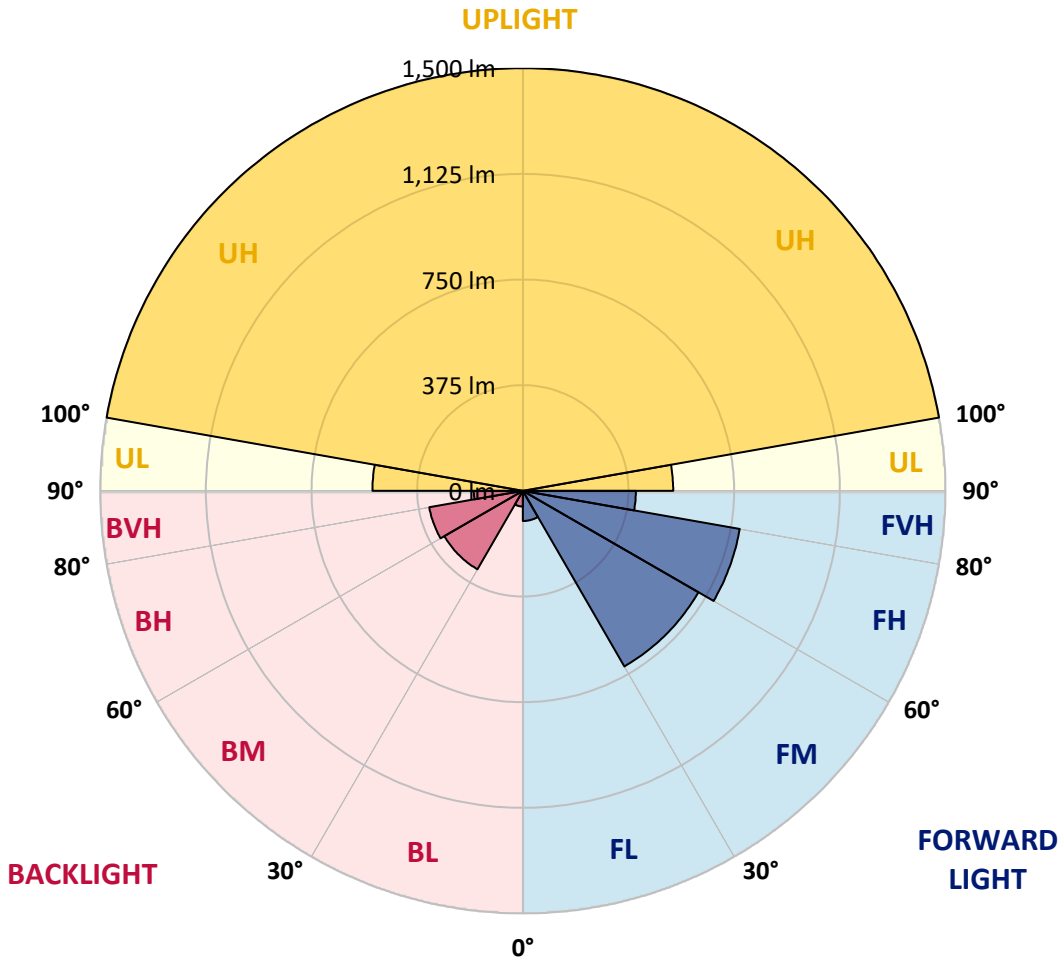
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REPORT NUMBER: P1223921
CATALOG NUMBER: FFX-CLB-30-750-U-VM9-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	107.1	2.2			
FM	(30°-60°)	719.6	14.6			
FH	(60°-80°)	781.6	15.9			G1/1800
FVH	(80°-90°)	401.0	8.1			G3/500
BL	(0°-30°)	55.8	1.1	B0/110		
BM	(30°-60°)	321.5	6.5	B1/1000		
BH	(60°-80°)	337.0	6.8	B1/500		G1/500
BVH	(80°-90°)	174.2	3.5			G2/225
UL	(90°-100°)	533.6	10.8		U4/1000	
UH	(100°-180°)	1499.6	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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	57.6	57.6	58.6	58.9	59.2	59.2	59.6	59.2	57.9	56.2	55.2
5°	78.5	77.8	77.5	77.8	77.8	76.5	74.5	70.9	68.2	63.9	62.2
7.5°	105.1	104.5	103.5	102.5	102.5	99.1	95.8	92.8	88.2	82.2	80.2
10°	136.1	134.7	133.4	131.4	129.1	126.1	121.8	116.8	110.5	104.1	100.1
12.5°	166.3	166.0	165.3	162.4	158.0	155.4	150.7	143.7	135.7	127.1	123.8
15°	201.3	199.6	198.6	196.3	193.6	188.3	180.6	174.0	164.7	152.7	148.7
17.5°	233.5	232.9	230.9	230.2	225.9	220.2	211.6	201.6	190.3	179.3	173.3
20°	268.8	270.5	268.1	266.1	258.5	252.8	244.9	235.2	221.6	205.9	199.6
22.5°	308.1	309.7	306.1	306.1	299.8	290.4	279.1	267.8	250.8	234.5	226.6
25°	353.6	354.3	348.7	346.3	341.7	332.4	318.7	305.4	285.8	265.2	255.8
27.5°	396.9	398.2	394.9	391.9	384.3	375.3	360.3	344.7	322.4	297.8	287.4
30°	445.8	443.1	441.8	436.5	428.5	419.2	402.6	385.3	359.6	330.7	318.0
32.5°	489.0	487.1	488.1	483.7	472.1	461.8	446.1	425.2	395.2	365.0	350.7
35°	533.6	534.6	533.3	528.6	521.7	508.0	486.7	463.1	433.2	397.6	382.3
37.5°	579.2	576.9	575.2	571.2	564.2	548.9	528.0	501.4	466.8	429.2	412.2
40°	618.5	620.1	618.1	611.5	605.2	588.2	565.2	535.0	499.4	459.1	439.5
42.5°	655.7	655.1	653.4	649.7	641.1	623.1	600.5	569.6	529.3	484.7	464.1
45°	685.7	686.3	686.3	681.0	673.0	656.7	630.8	599.2	556.3	509.3	487.7
47.5°	714.3	715.3	714.6	712.3	703.6	684.3	658.1	625.5	579.9	531.6	507.3
50°	739.6	739.6	739.2	737.2	728.9	710.3	683.3	648.4	601.2	550.3	526.3
52.5°	760.5	760.2	760.5	758.2	749.5	732.6	704.6	667.4	620.1	565.9	542.6
55°	777.2	776.2	778.5	777.5	769.8	750.9	721.3	685.0	636.1	580.9	556.3
57.5°	790.5	790.1	793.1	792.1	784.5	765.5	736.2	699.3	649.4	593.2	566.2
60°	801.4	800.8	804.8	804.8	797.1	778.2	749.2	710.3	660.1	602.8	575.5
62.5°	809.1	809.4	813.1	814.4	807.8	788.5	758.2	719.9	668.7	610.5	582.9
65°	814.4	815.1	819.4	822.1	815.4	796.5	765.2	726.9	675.7	616.8	588.5
67.5°	817.7	818.1	824.1	826.7	821.4	801.4	771.2	731.9	680.3	620.8	592.8
70°	819.1	819.4	826.1	830.1	824.7	804.4	773.8	734.6	683.3	623.5	595.2
72.5°	818.1	818.7	825.7	831.1	825.7	805.8	774.8	735.9	684.0	626.4	595.8
75°	814.8	815.4	823.4	828.7	824.7	804.1	773.2	734.6	683.0	623.8	594.8
77.5°	809.1	810.1	818.4	825.1	820.4	800.8	769.8	730.9	679.3	620.5	591.2
80°	800.8	801.1	810.4	817.1	813.8	794.1	763.2	724.6	673.4	614.8	586.2
82.5°	790.1	791.5	800.4	807.8	804.8	784.5	754.5	716.6	665.7	607.8	578.9
85°	778.8	780.2	788.5	796.5	792.8	773.8	743.9	706.3	655.4	598.2	570.6
87.5°	765.2	766.2	774.2	782.5	779.2	760.2	731.2	694.3	644.7	589.2	560.9
90°	750.2	751.2	758.9	766.8	762.5	744.6	716.3	680.0	631.8	577.2	549.9
92.5°	734.2	734.6	743.2	747.5	745.2	729.2	701.3	666.4	618.1	564.9	539.3
95°	716.3	716.3	724.6	729.2	725.3	710.3	684.0	649.1	602.2	552.3	526.0
97.5°	696.6	697.3	703.6	708.3	707.0	691.3	666.4	633.1	588.2	538.6	513.7
100°	676.4	676.4	682.0	686.0	683.0	670.4	646.7	616.1	570.6	524.0	499.7
102.5°	655.1	654.7	659.4	662.4	660.4	648.7	626.8	596.5	553.9	508.7	485.7
105°	631.4	630.4	635.1	638.4	636.4	626.1	607.5	578.2	537.0	493.7	471.7
107.5°	606.2	607.8	610.5	612.5	610.8	601.8	584.2	558.2	519.3	478.1	456.8
110°	582.2	583.2	583.5	585.9	585.5	578.2	563.2	537.3	500.4	461.4	440.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	557.9	557.6	557.9	*559.6*	559.6	552.3	538.0	515.3	481.7	443.8	424.8
115°	531.6	530.3	530.6	*531.0*	532.3	526.6	514.3	493.0	460.1	426.5	407.9
117.5°	504.4	504.0	503.4	*502.4*	502.4	500.0	489.4	470.4	439.1	405.9	390.2
120°	478.4	477.1	475.4	*474.4*	475.1	472.4	463.8	444.8	417.2	387.2	371.6
122.5°	448.5	449.5	448.5	*447.1*	447.5	444.8	437.5	421.5	393.9	365.3	351.3
125°	422.8	422.5	421.2	*419.2*	419.2	418.2	410.2	396.2	371.6	344.3	331.4
127.5°	394.2	394.6	393.2	*392.2*	392.9	390.9	385.6	369.6	348.0	323.7	311.1
130°	367.3	367.0	366.6	*364.6*	366.3	362.6	358.0	344.7	324.0	303.4	291.8
132.5°	342.0	340.0	338.7	*338.3*	338.0	337.7	332.0	320.4	303.1	282.5	271.1
135°	316.7	315.1	313.4	*312.7*	313.4	311.7	306.7	297.1	281.1	261.2	252.5
137.5°	290.8	290.1	290.1	*288.4*	288.4	287.1	282.8	274.8	259.8	242.5	233.9
140°	267.5	266.1	265.5	*264.5*	265.5	264.2	259.5	251.8	239.2	224.2	215.9
142.5°	243.5	242.2	243.2	*242.2*	241.2	240.5	236.5	230.6	219.6	205.9	198.9
145°	221.2	221.2	220.6	*220.9*	220.2	219.6	215.6	209.9	200.6	188.0	183.0
147.5°	200.3	200.9	200.3	*200.9*	200.9	198.3	195.6	191.0	182.3	172.3	167.0
150°	180.6	181.6	181.0	*180.6*	181.0	179.7	176.0	173.3	165.7	157.0	151.7
152.5°	164.0	164.7	164.7	*164.0*	163.7	163.0	159.4	155.7	149.7	143.1	139.4
155°	148.4	148.4	148.7	*149.0*	148.0	146.0	144.7	141.7	136.4	130.4	126.8
157.5°	135.4	135.1	135.4	*135.1*	134.7	132.7	130.7	128.4	124.1	118.8	116.8
160°	123.1	123.1	123.4	*123.1*	121.8	120.8	119.1	117.1	113.4	109.8	107.1
162.5°	113.1	113.1	113.1	*112.8*	111.5	111.1	109.1	107.1	104.1	101.1	99.1
165°	104.5	104.5	104.1	*104.1*	103.5	102.5	100.8	99.1	96.5	94.2	92.8
167.5°	97.5	97.1	96.8	*96.5*	96.1	95.1	93.5	92.5	90.5	88.5	87.5
170°	91.5	91.5	91.2	*91.2*	90.5	89.5	88.5	87.2	85.8	83.8	83.2
172.5°	86.2	86.2	86.2	*86.2*	85.2	84.8	83.8	82.8	81.8	80.5	79.8
175°	82.2	82.2	82.2	*82.2*	81.5	80.8	80.5	79.5	78.8	77.8	77.5
177.5°	79.2	79.2	79.2	*79.2*	78.8	78.2	77.8	77.2	76.5	76.2	75.9
180°	76.5	76.5	76.5	*76.5*	76.5	76.5	76.5	76.5	76.5	76.5	76.5

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REPORT NUMBER: P1223921
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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	54.2	52.2	49.6	46.6	44.2	41.3	38.3	36.6	35.6	34.9
5°	60.5	56.2	52.2	47.9	44.6	41.6	38.3	35.6	34.3	33.9
7.5°	77.2	71.2	65.2	59.9	55.2	50.6	47.2	44.6	42.9	42.9
10°	97.1	88.8	81.8	74.9	68.5	62.9	58.2	55.6	53.6	52.9
12.5°	119.8	109.8	100.1	92.2	82.8	76.5	70.9	67.2	64.9	64.5
15°	143.4	133.1	120.8	109.8	99.5	89.5	82.8	77.5	75.5	75.5
17.5°	166.0	152.7	139.1	125.8	113.1	101.5	92.2	86.2	83.2	82.5
20°	190.3	174.3	156.7	141.1	125.4	111.8	100.8	93.2	89.2	88.8
22.5°	215.2	196.6	177.7	157.0	139.1	122.8	109.8	100.8	95.8	95.1
25°	243.9	221.2	198.6	176.0	154.4	135.1	119.8	108.8	103.1	102.5
27.5°	275.5	247.2	220.2	194.3	169.0	147.7	129.4	116.8	109.8	109.5
30°	304.4	273.1	242.5	212.6	185.0	159.4	139.1	124.4	116.8	115.8
32.5°	333.4	298.8	264.2	231.2	199.3	171.7	148.7	131.7	122.8	122.1
35°	363.3	324.0	286.4	248.5	215.2	184.0	157.7	139.1	129.4	128.1
37.5°	391.2	349.0	307.7	267.5	229.2	195.3	166.3	146.0	135.1	133.4
40°	416.9	371.3	327.0	283.8	242.5	205.9	174.7	152.0	139.7	138.4
42.5°	440.5	392.2	344.7	298.1	254.8	215.2	181.6	157.0	143.4	142.1
45°	462.8	411.9	361.0	311.4	265.5	223.9	188.3	161.7	147.0	145.1
47.5°	481.7	428.5	373.9	322.7	275.1	231.2	193.3	165.0	149.7	147.7
50°	498.7	442.5	386.2	333.7	283.4	237.9	197.9	167.7	151.0	149.0
52.5°	512.3	455.4	396.9	342.3	291.1	243.2	201.3	170.0	152.4	150.4
55°	525.6	466.1	406.2	350.0	296.8	248.2	203.9	171.3	153.0	150.7
57.5°	536.6	475.1	413.9	356.0	302.4	251.5	206.3	172.0	153.0	150.4
60°	544.6	482.1	419.9	361.0	306.1	254.5	207.9	172.3	152.7	150.0
62.5°	551.6	487.7	424.2	365.3	309.7	256.8	209.6	172.7	152.0	149.4
65°	556.9	492.4	427.8	368.0	312.1	258.8	209.9	172.3	151.0	148.4
67.5°	561.2	495.4	430.2	370.3	313.7	259.8	210.6	172.0	150.4	147.4
70°	562.9	496.7	431.5	371.3	314.7	260.5	210.6	171.3	149.0	146.0
72.5°	*562.6*	*496.7*	*431.8*	*371.6*	*315.1*	*260.8*	*210.3*	*170.3*	*148.0*	*145.1*
75°	561.6	495.7	431.2	371.3	314.7	260.5	209.9	169.7	147.0	144.4
77.5°	558.9	493.0	428.8	369.9	314.1	259.5	208.9	169.0	146.4	143.1
80°	554.3	489.0	425.5	367.0	311.7	258.5	207.9	167.7	145.1	142.4
82.5°	547.6	484.1	421.5	364.3	309.7	256.5	206.6	167.0	144.4	141.7
85°	540.0	477.7	416.2	360.3	306.7	254.5	204.9	165.7	143.7	141.1
87.5°	530.6	469.4	410.9	355.6	303.1	251.8	203.3	164.7	143.4	140.7
90°	521.0	461.8	404.2	351.3	300.1	249.2	201.6	164.0	143.1	140.7
92.5°	510.3	453.5	397.9	345.7	296.1	246.5	199.9	163.3	143.1	140.7
95°	499.7	444.8	391.6	340.7	292.1	243.9	198.3	163.0	143.7	141.4
97.5°	487.1	434.8	383.9	335.3	287.4	240.9	197.0	162.7	144.1	142.1
100°	475.1	424.8	375.9	329.4	283.1	237.5	195.0	162.4	144.7	142.4
102.5°	462.1	415.2	368.0	323.0	278.5	233.9	193.3	162.0	145.4	143.4
105°	449.1	403.5	359.3	315.7	272.8	230.2	191.3	161.7	145.7	143.7
107.5°	434.8	392.6	349.7	308.7	267.1	226.2	188.6	161.0	146.0	144.1
110°	420.2	379.6	339.7	300.7	260.5	221.2	186.0	159.4	145.7	144.1

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

Scaled Data Report

REPORT NUMBER: P1223921
CATALOG NUMBER: FFX-CLB-30-750-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	406.2	367.3	328.7	291.8	253.5	216.2	182.3	157.7	144.7	143.4
115°	388.9	353.3	317.1	282.1	245.5	209.9	178.3	155.4	143.4	141.7
117.5°	372.9	338.7	304.7	271.8	237.2	203.6	173.7	152.4	141.1	139.7
120°	355.0	323.0	291.4	260.2	227.9	196.3	168.0	148.7	138.1	137.1
122.5°	337.3	307.7	277.8	248.2	217.9	188.0	162.4	144.1	134.7	133.7
125°	318.7	291.4	263.5	235.5	206.9	179.3	155.7	138.7	130.4	129.4
127.5°	299.8	274.5	248.2	222.2	196.3	170.7	148.7	133.4	125.4	125.1
130°	279.8	257.2	233.2	209.3	185.3	161.7	141.4	127.8	120.4	119.8
132.5°	261.8	240.9	218.6	196.0	173.3	152.7	134.4	121.8	115.4	114.8
135°	244.2	223.2	203.9	184.0	163.0	143.7	127.4	116.1	110.5	109.8
137.5°	226.2	207.9	190.0	171.3	152.4	135.1	120.8	110.8	105.8	105.1
140°	208.3	193.0	176.7	159.0	142.7	127.1	114.1	105.8	101.1	100.5
142.5°	192.0	177.3	162.7	147.4	132.7	119.4	108.1	100.1	96.1	95.8
145°	176.0	163.3	150.0	136.4	123.8	112.8	102.5	95.8	92.5	92.2
147.5°	161.7	150.4	138.4	126.8	115.8	105.5	97.1	91.5	88.2	87.8
150°	147.4	137.4	127.4	117.4	108.1	99.5	92.2	87.5	85.2	84.5
152.5°	134.7	126.8	117.8	109.5	101.1	93.8	88.2	83.8	81.8	81.5
155°	123.4	116.8	109.5	102.1	95.5	89.5	84.5	81.2	79.5	79.5
157.5°	113.8	108.1	102.1	96.1	90.8	85.8	81.8	79.2	77.8	77.5
160°	105.1	100.1	95.5	91.2	86.2	82.5	79.5	77.2	76.2	75.9
162.5°	97.1	93.8	90.2	86.5	82.8	79.8	77.5	75.9	75.2	75.2
165°	91.5	88.5	85.5	82.8	80.2	78.2	76.2	75.2	74.5	74.2
167.5°	86.5	84.2	82.2	80.2	78.2	76.5	75.2	74.5	73.9	73.9
170°	82.5	80.8	79.5	78.2	76.9	75.5	74.9	74.2	73.9	73.9
172.5°	79.2	78.2	77.2	76.5	75.5	74.9	74.2	73.9	73.9	73.9
175°	77.2	76.5	75.9	75.5	75.2	74.9	74.5	74.2	74.2	74.2
177.5°	75.9	75.5	75.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2
180°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5

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

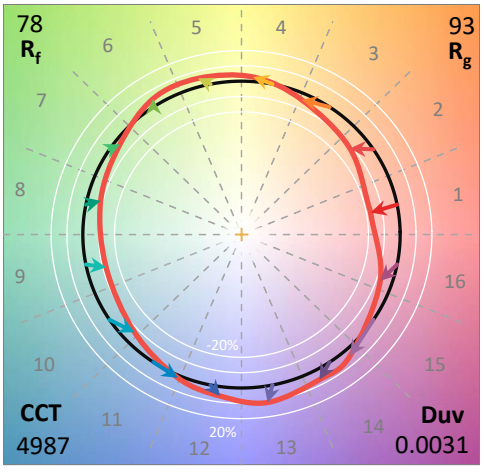
Test Information

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

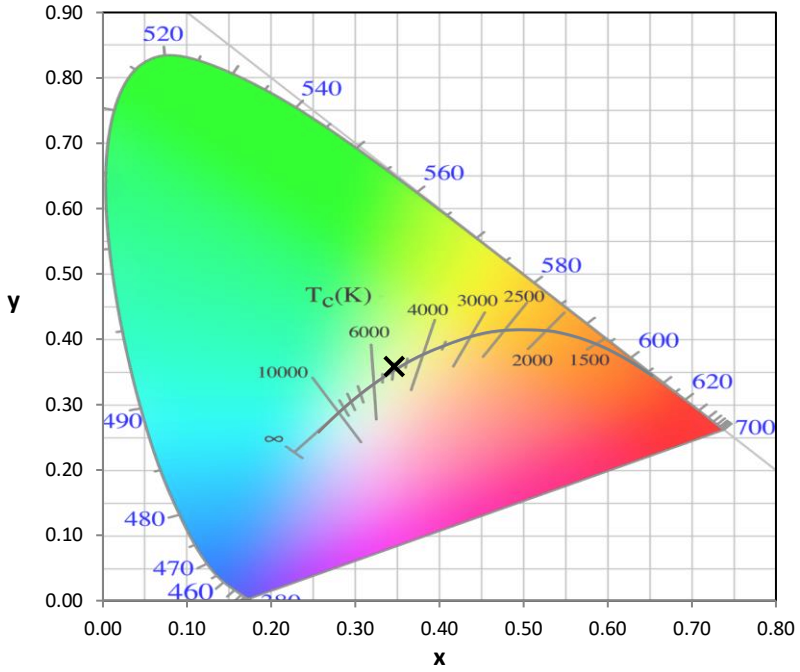
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

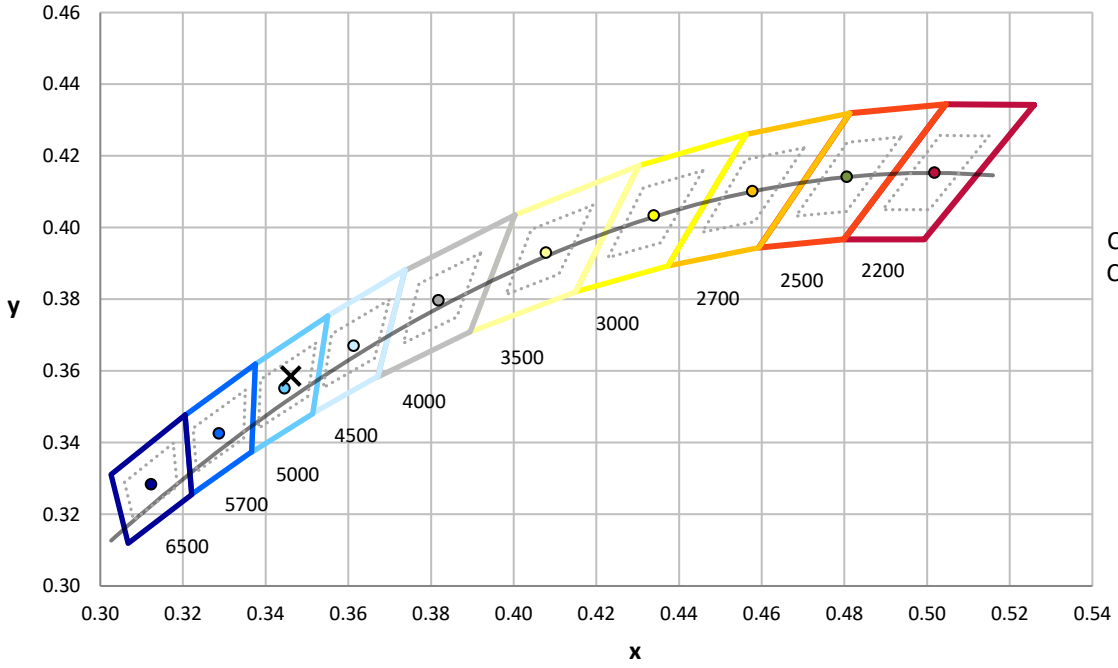
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

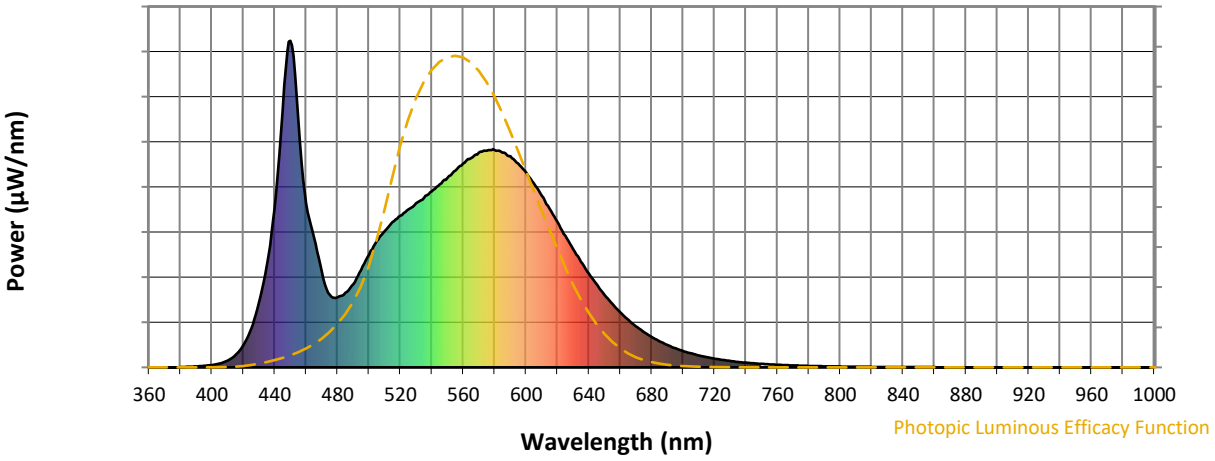


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

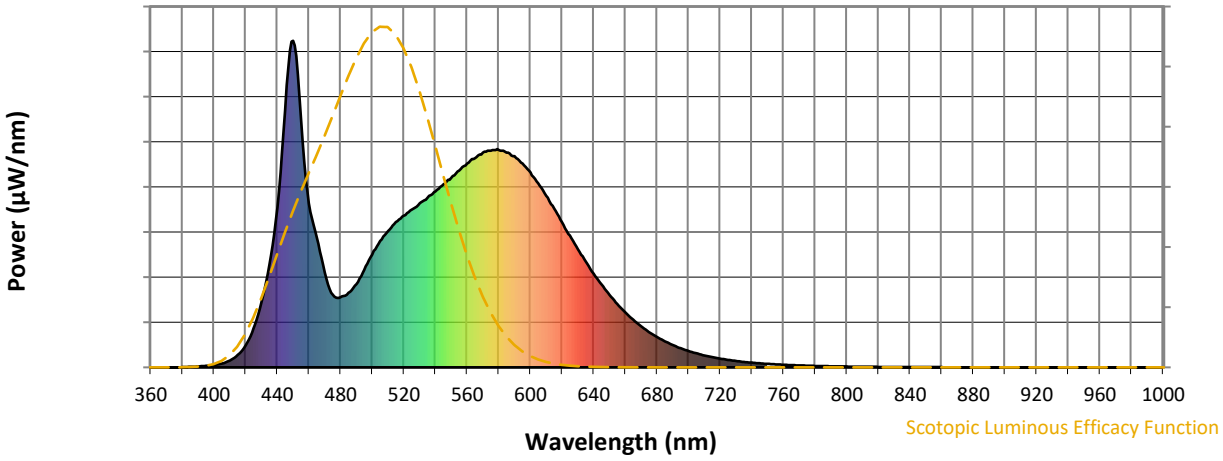


Photopic Lumens: NR

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

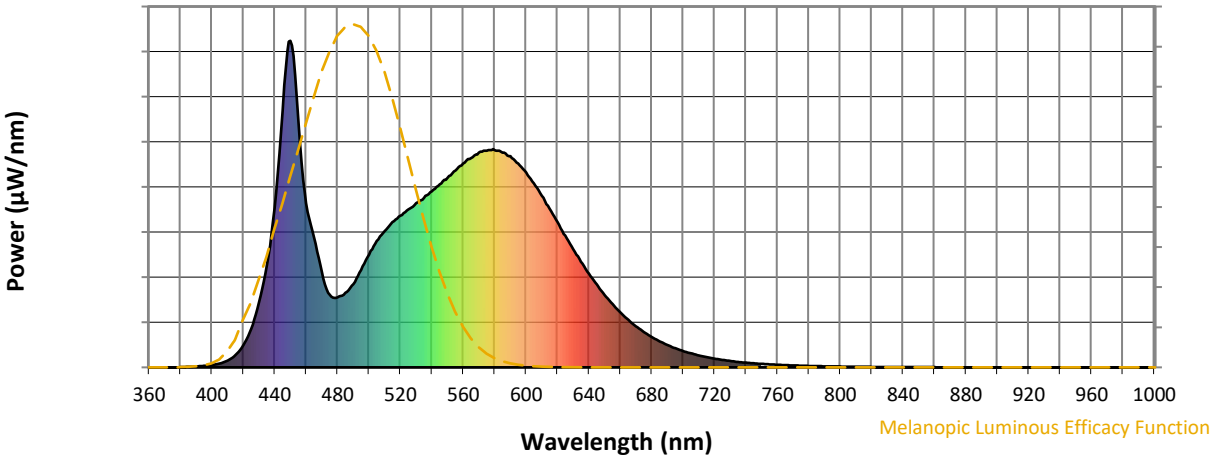


Scotopic Lumens: NR **S/P: 1.87**

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			

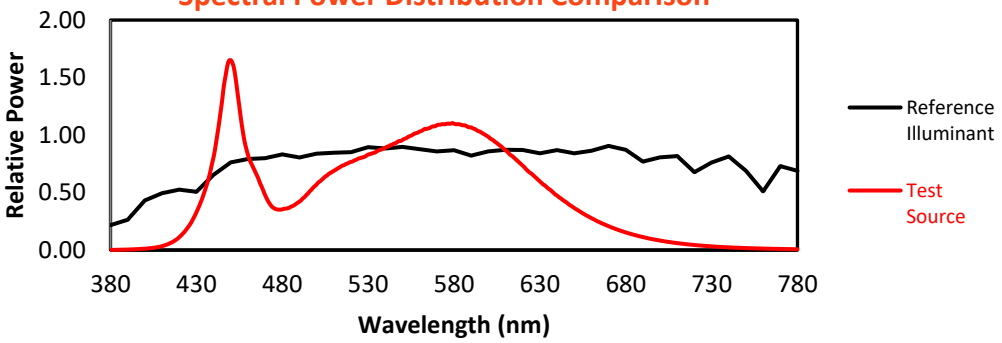
REPORT NUMBER: SP1-2501-332-5

TM-30-18

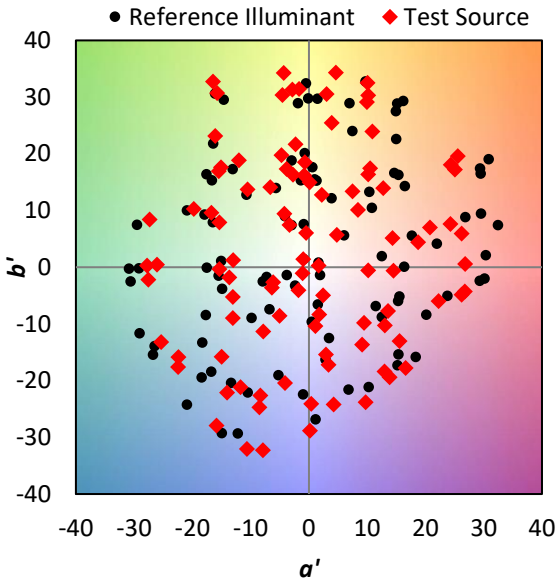
Summary

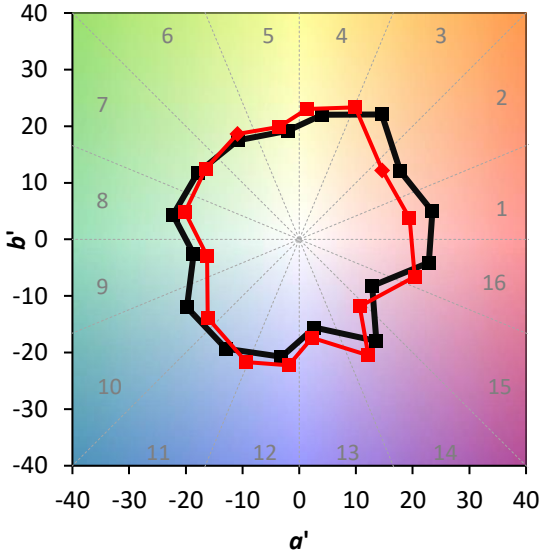
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

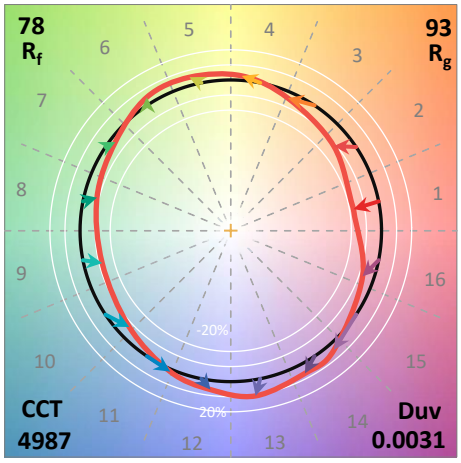
Spectral Power Distribution Comparison

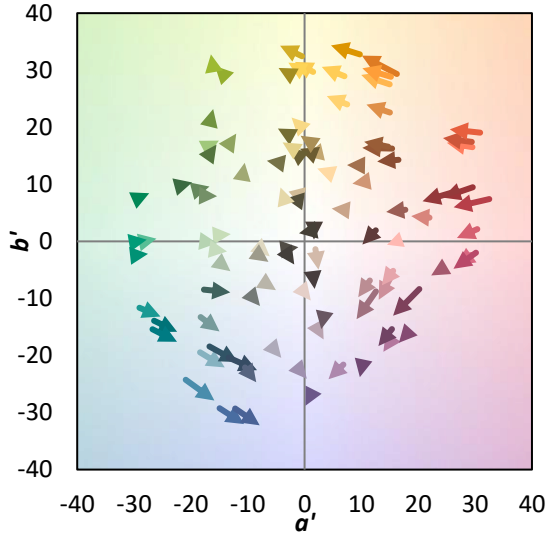


Color Vector Graphics







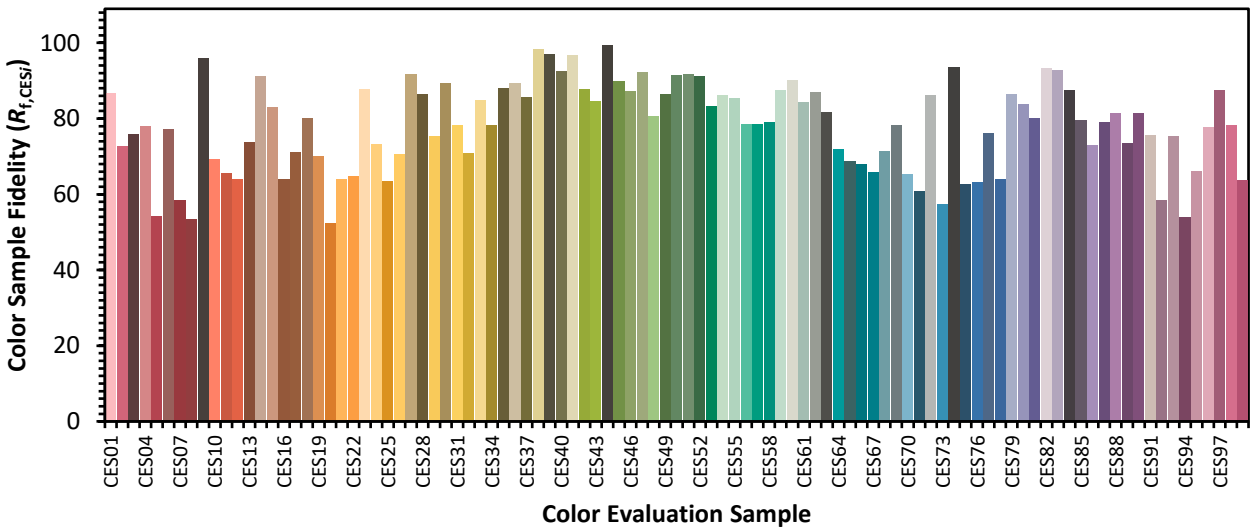


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

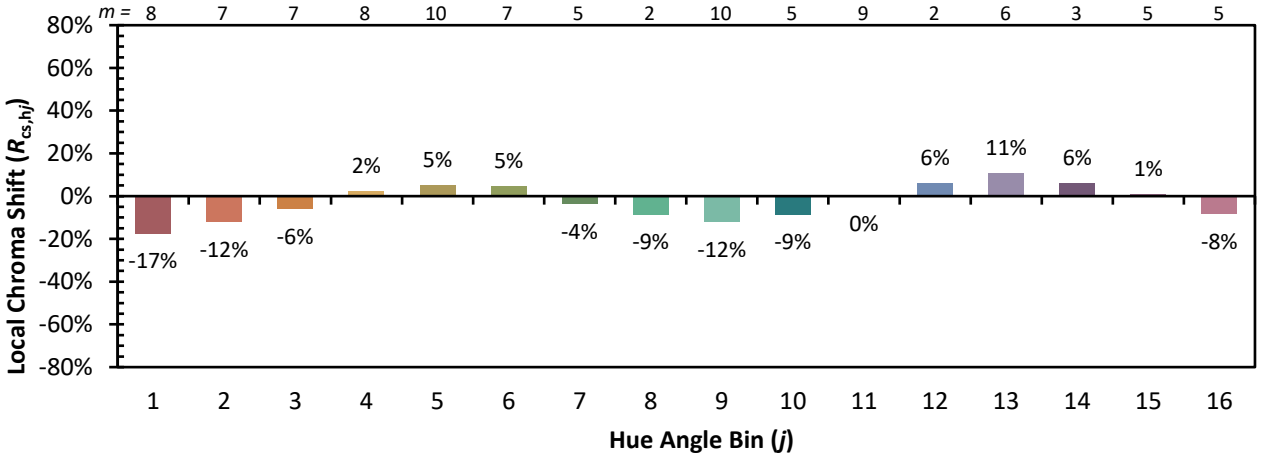
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 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	

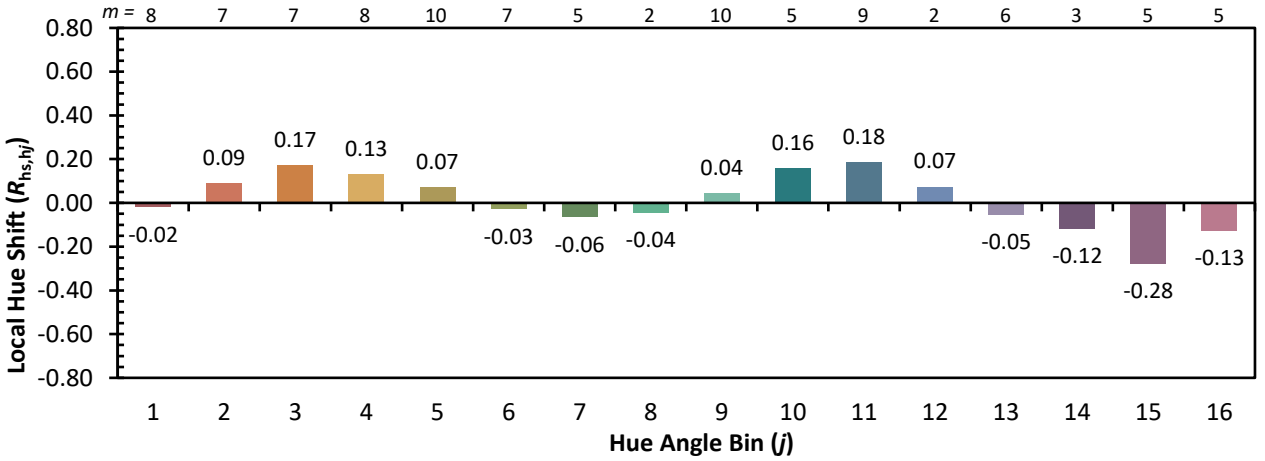


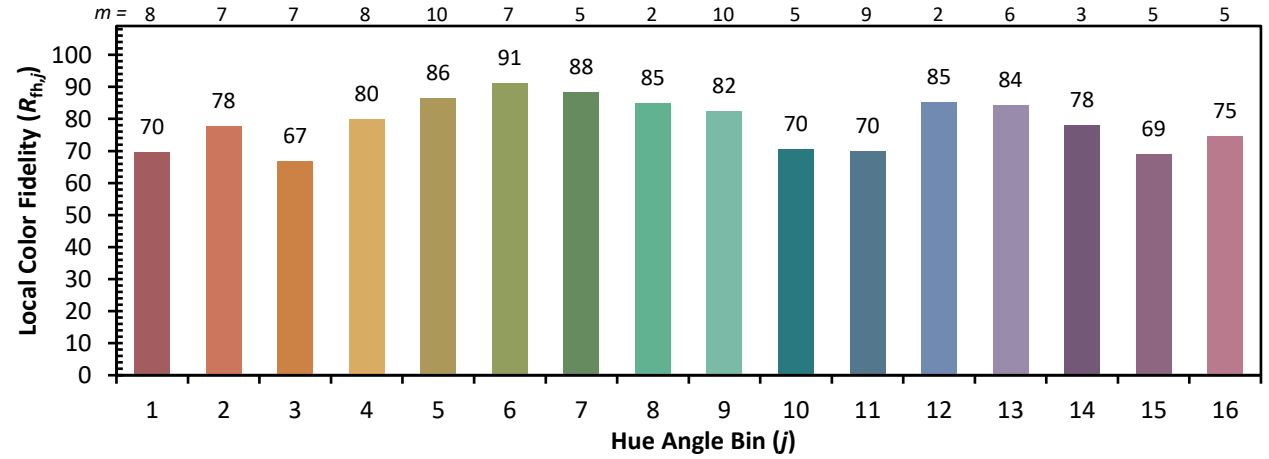
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



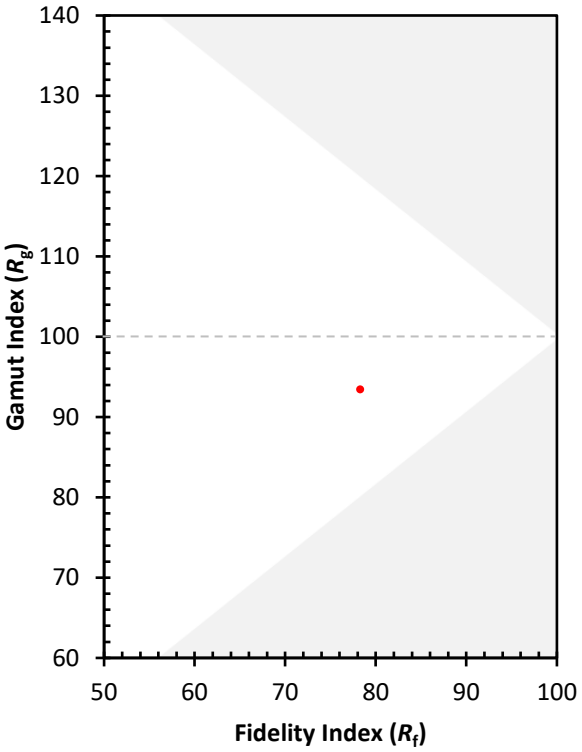


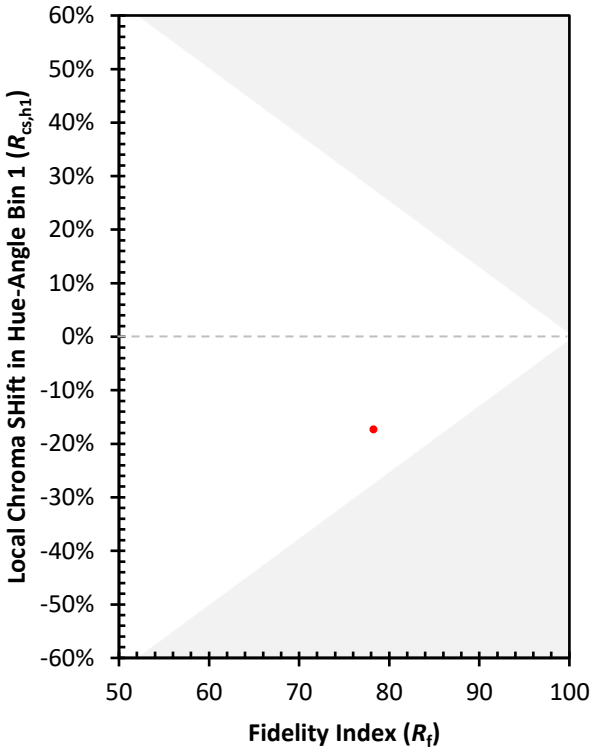


REPORT NUMBER: SP1-2501-332-5

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Measure Comparisons





(END OF REPORT)