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: P1046267

Luminaire Tested: **FFX-CLB-60-750-U-FR-T4-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046267
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8866.1 lumens
Efficiency:	N/A
Efficacy:	146.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

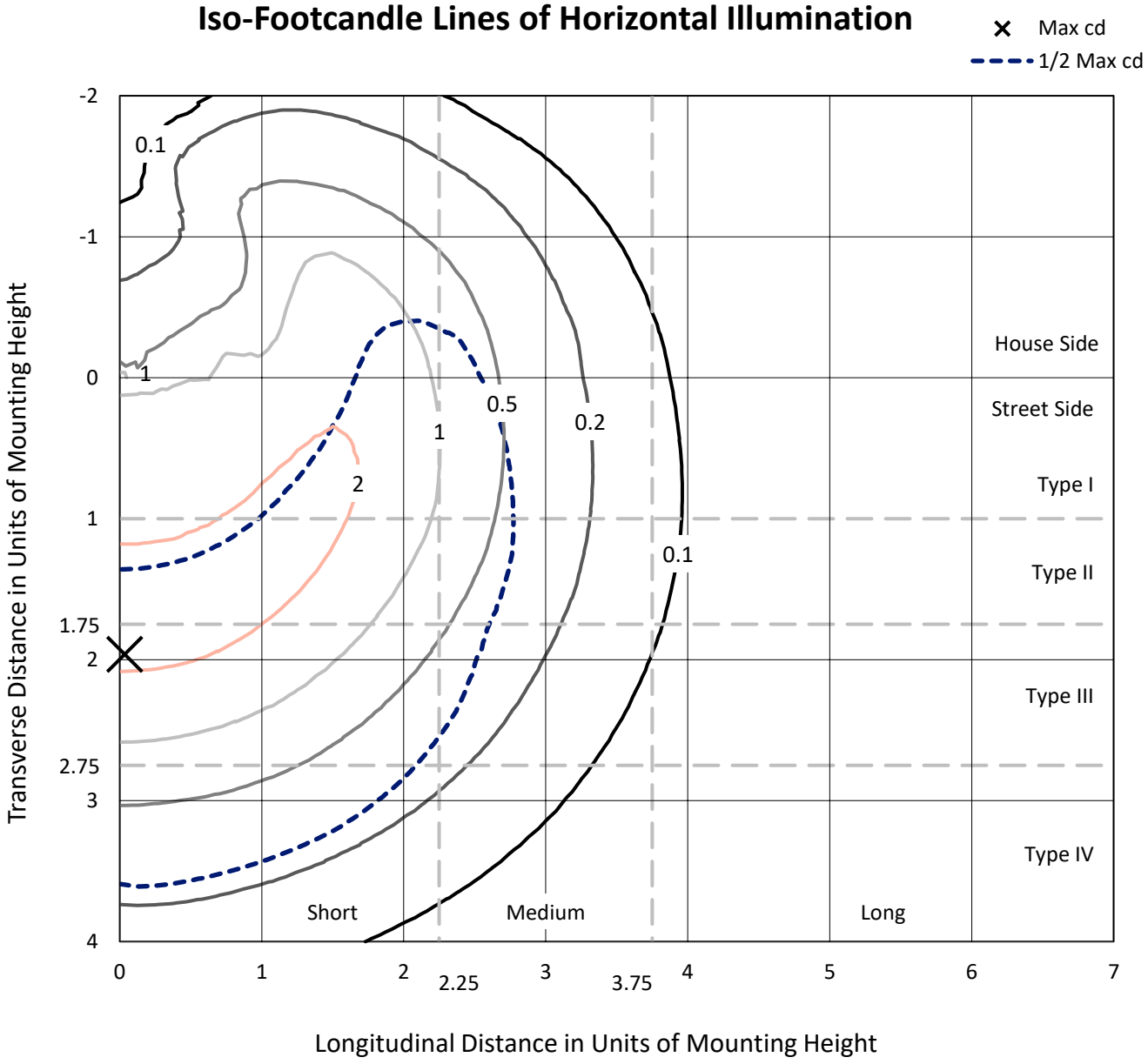


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Iso-Footcandle Lines of Horizontal Illumination



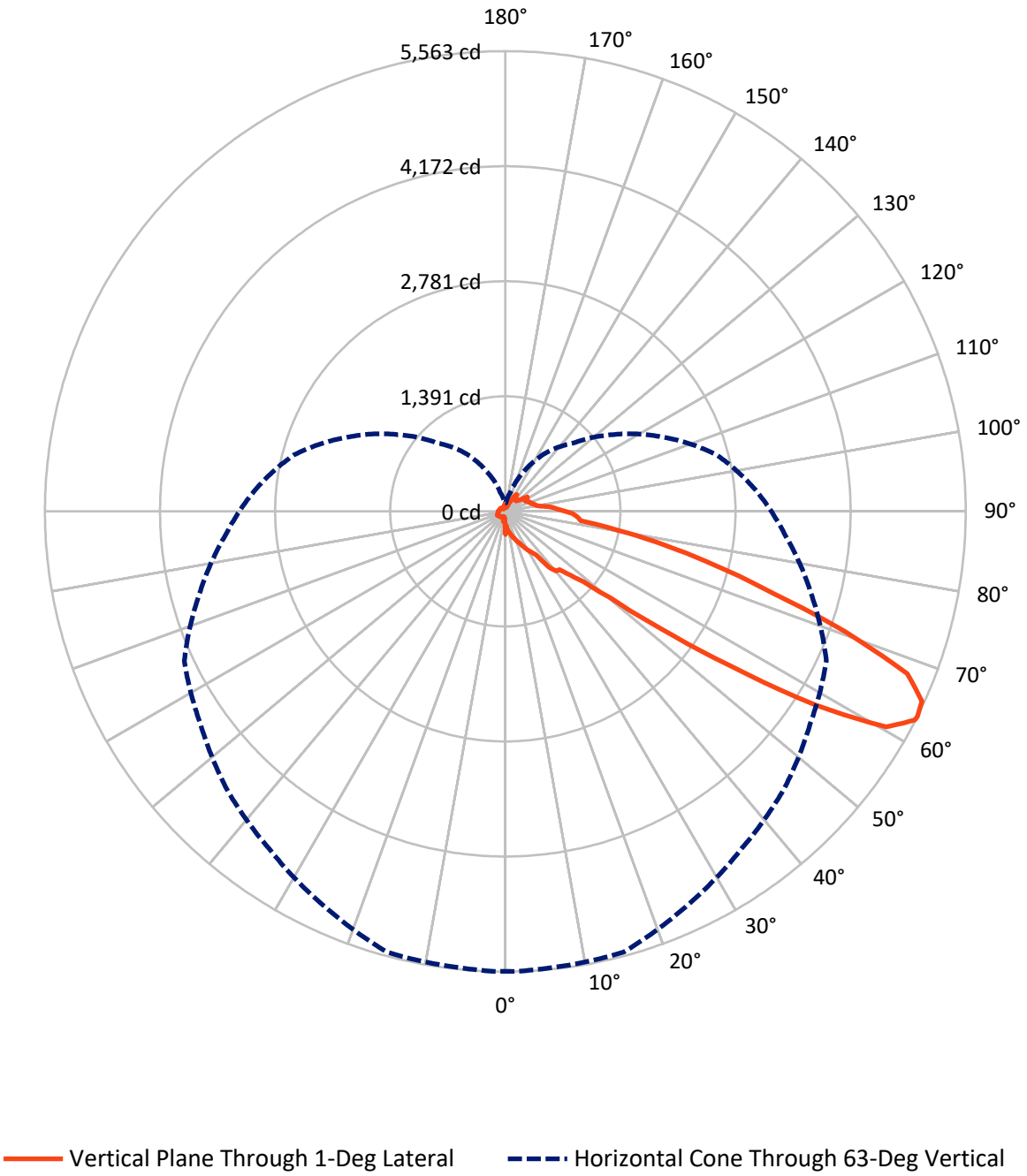
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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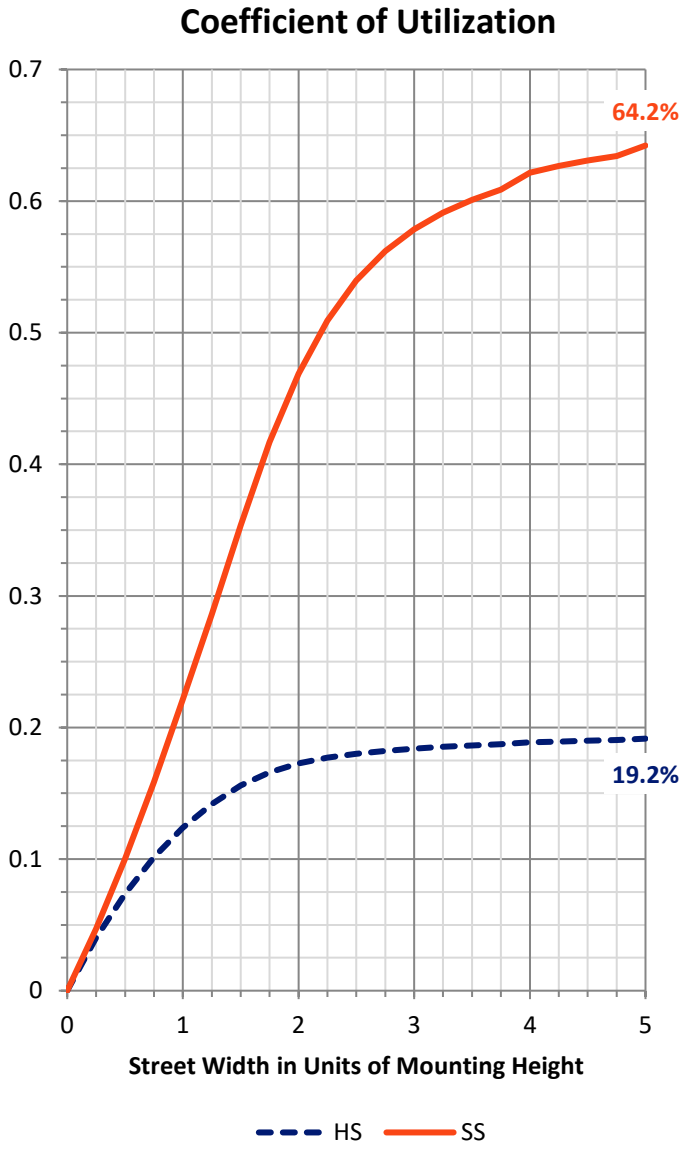
REPORT NUMBER: P1046267
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1755.4	351.6	2107.1
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	5947.2	811.8	6759.0
	% Fixture	67.1	9.2	76.2
Total	Lumens	7702.6	1163.5	8866.1
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	58.3	0.7
20°-30°	128.6	1.5
30°-40°	263.3	3.0
40°-50°	531.6	6.0
50°-60°	1716.2	19.4
60°-70°	2827.4	31.9
70°-80°	1558.6	17.6
80°-90°	602.1	6.8
90°-100°	361.0	4.1
100°-110°	230.0	2.6
110°-120°	175.9	2.0
120°-130°	150.1	1.7
130°-140°	100.6	1.1
140°-150°	85.7	1.0
150°-160°	39.1	0.4
160°-170°	15.8	0.2
170°-180°	5.4	0.1
0°-90°	7702.6	86.9
0°-180°	8866.1	100.0



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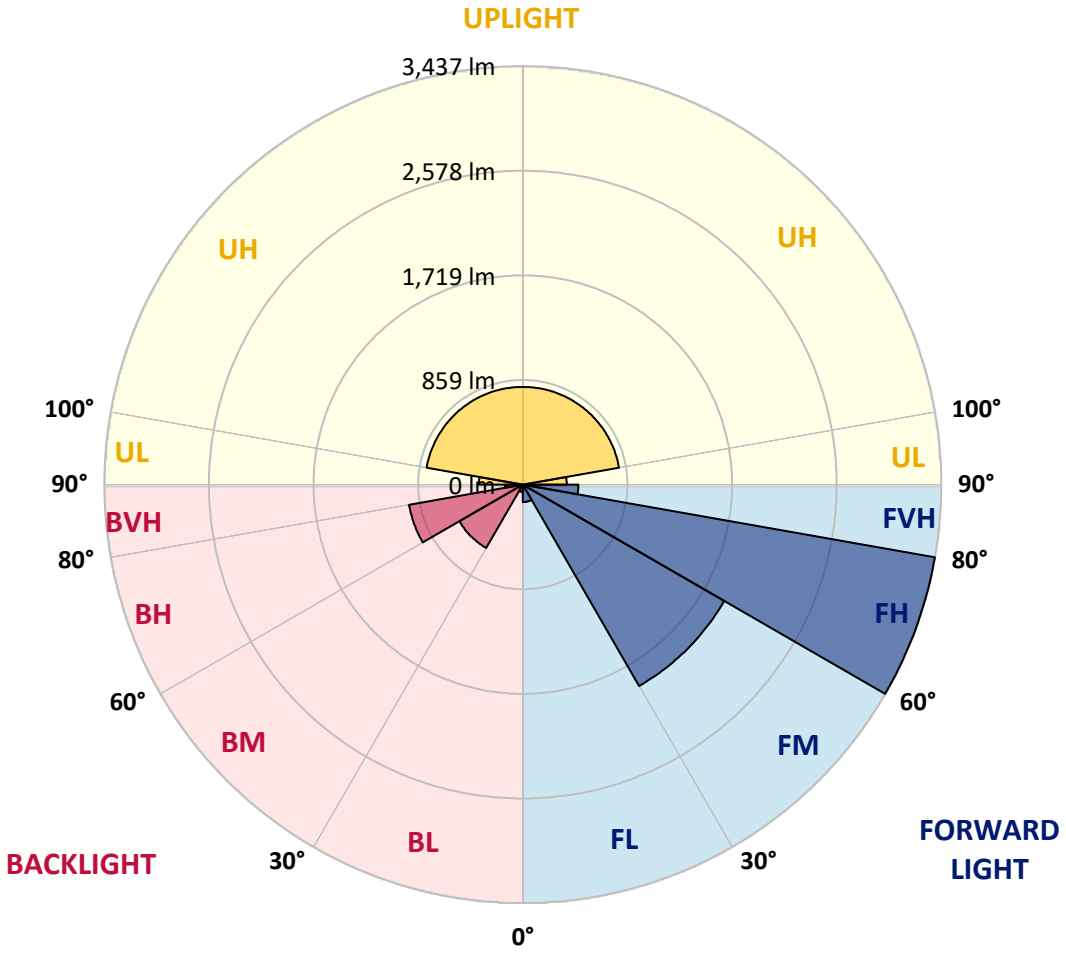
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	143.6	1.6			
FM	(30°-60°)	1910.1	21.5			
FH	(60°-80°)	3437.2	38.8			G2/5000
FVH	(80°-90°)	456.2	5.1			G3/500
BL	(0°-30°)	59.9	0.7	B0/110		
BM	(30°-60°)	601.0	6.8	B1/1000		
BH	(60°-80°)	948.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	145.9	1.6			G2/225
UL	(90°-100°)	361.0	4.1		U3/500	
UH	(100°-180°)	802.5	9.1		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7
2.5°	173.4	171.5	179.7	205.0	232.7	241.6	223.3	216.3	236.5	283.2	288.2
5°	199.9	203.1	201.2	204.3	206.9	226.4	244.1	225.8	182.9	149.5	152.0
7.5°	235.9	235.2	235.2	232.7	220.1	199.9	194.3	208.8	209.4	175.3	148.8
10°	251.6	251.0	251.0	248.5	246.0	247.9	241.6	215.1	193.6	179.7	170.9
12.5°	285.1	283.8	283.2	281.9	277.5	272.5	268.0	269.3	251.0	216.3	193.6
15°	312.8	311.6	312.8	314.1	310.9	302.1	289.5	271.8	255.4	240.9	220.7
17.5°	343.1	342.5	341.8	340.6	336.2	324.2	309.0	292.6	274.4	254.2	235.2
20°	372.1	370.8	371.5	372.1	370.2	355.7	340.6	320.4	300.8	281.3	259.2
22.5°	406.8	406.8	404.9	404.9	403.0	394.2	375.3	351.9	331.7	307.1	282.6
25°	451.6	449.7	449.7	447.8	440.2	430.8	417.5	391.0	367.1	343.7	310.9
27.5°	495.7	493.8	493.8	493.2	483.7	471.1	449.1	423.8	401.1	371.5	331.7
30°	546.2	544.9	545.5	538.6	531.0	513.4	485.6	456.6	427.0	392.3	353.8
32.5°	597.3	593.5	592.9	585.3	575.2	553.7	522.8	495.1	464.2	423.8	391.7
35°	657.2	649.0	657.8	655.9	654.7	632.0	596.6	564.5	527.9	491.3	456.6
37.5°	855.2	859.0	857.1	831.9	811.7	780.8	765.0	727.2	676.7	632.0	566.4
40°	948.6	947.3	944.1	916.4	898.1	865.9	840.7	812.3	782.7	712.7	631.3
42.5°	968.7	961.8	966.9	992.7	1016.7	995.2	915.1	823.7	782.1	732.9	690.6
45°	1116.3	1098.7	1106.2	1113.2	1089.8	1058.9	1024.2	965.0	895.0	824.3	746.7
47.5°	1274.0	1264.5	1263.9	1261.4	1263.9	1234.3	1188.2	1133.4	1034.3	958.0	871.6
50°	1658.1	1645.5	1649.3	1652.4	1639.2	1608.9	1559.1	1523.1	1404.6	1258.2	1146.0
52.5°	2362.6	2355.0	2337.3	2338.6	2219.4	2213.1	2145.6	2113.5	1938.8	1771.6	1545.2
55°	3232.3	3281.5	3227.3	3216.5	3167.3	3123.2	2954.2	2814.2	2563.8	2323.5	2058.0
57.5°	4410.4	4418.6	4349.9	4351.8	4177.1	4066.1	3910.3	3695.9	3323.1	2976.2	2678.6
60°	5268.8	5289.6	5257.5	5190.6	4852.6	4653.9	4482.3	4313.3	4028.9	3513.6	3099.2
62.5°	5548.2	5554.5	5534.3	5499.0	5200.7	4947.2	4726.4	4481.1	4262.9	3798.7	3382.4
63°	5558.3	5562.7	5546.9	5516.7	5239.8	4976.8	4756.1	4493.7	4279.9	3823.9	3399.4
65°	5531.2	5533.1	5526.1	5485.8	5264.4	4986.3	4743.4	4484.9	4288.7	3834.0	3399.4
67.5°	5287.1	5239.2	5259.4	5191.2	5007.1	4730.2	4498.1	4234.5	4057.9	3618.3	3202.0
70°	4349.9	4353.0	4349.9	4312.7	4260.3	4041.5	3770.3	3533.1	3309.9	2964.9	2638.2
72.5°	3365.4	3378.6	3349.6	3371.1	3328.8	3147.8	2972.5	2732.2	2575.1	2282.5	1994.3
75°	2606.7	2633.8	2642.6	2581.4	2544.8	2506.4	2410.5	2237.7	2080.7	1854.2	1602.6
77.5°	1969.7	1974.7	1982.3	1940.6	1892.7	1907.8	1894.0	1812.0	1680.2	1513.7	1313.7
80°	1361.0	1375.5	1400.1	1376.2	1381.8	1373.0	1371.1	1305.5	1210.3	1105.6	998.4
82.5°	914.5	913.9	920.2	958.7	994.0	992.7	936.6	844.5	795.9	765.7	705.1
85°	875.4	875.4	884.2	856.5	838.8	821.2	817.4	785.8	748.6	680.5	596.6
87.5°	816.1	814.2	816.7	792.8	769.4	763.8	758.1	731.0	714.6	655.3	578.3
90°	698.2	703.2	703.2	701.3	686.8	681.1	658.4	635.7	625.6	572.0	511.5
92.5°	616.2	616.2	623.1	611.1	595.4	604.2	565.1	535.5	521.6	485.6	437.7
95°	556.9	555.0	563.8	546.8	535.5	519.1	502.7	471.8	461.7	430.8	382.2
97.5°	444.6	442.7	447.8	439.6	421.9	414.4	396.7	372.1	362.6	333.6	304.0
100°	382.8	382.2	384.1	379.7	369.6	360.1	345.0	325.4	316.6	292.6	266.2
102.5°	363.3	361.4	362.0	362.6	348.1	339.3	324.8	309.7	300.8	281.3	252.3
105°	345.6	344.4	343.1	343.1	326.7	317.9	308.4	298.3	290.7	269.3	241.6
107.5°	329.2	327.3	322.9	322.3	311.6	302.1	290.7	281.9	274.4	254.8	228.3

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	310.9	*310.3*	307.8	308.4	301.5	287.0	277.5	266.8	257.3	240.3	217.0
112.5°	301.5	*301.5*	299.6	302.7	276.2	261.7	251.6	242.2	235.9	219.5	201.8
115°	291.4	*286.3*	284.4	290.7	260.5	240.3	230.2	220.1	213.8	197.4	182.9
117.5°	269.9	*268.7*	269.3	274.4	265.5	243.4	227.0	214.4	208.1	196.1	182.9
120°	307.8	*306.5*	298.9	297.7	282.6	264.9	254.2	247.2	237.8	218.2	193.0
122.5°	321.7	*319.1*	307.1	310.9	290.7	281.9	277.5	275.0	266.2	240.3	201.8
125°	280.0	*276.2*	273.1	274.4	263.0	251.6	247.2	243.4	234.6	220.1	192.4
127.5°	224.5	*226.4*	223.9	217.0	215.1	198.0	192.4	187.9	179.7	167.8	163.3
130°	210.7	*209.4*	208.8	207.5	206.2	193.6	184.8	174.1	167.1	157.0	145.1
132.5°	187.3	*188.6*	190.5	201.2	211.3	200.6	177.9	161.5	157.0	158.9	153.9
135°	177.9	*178.5*	178.5	186.7	195.5	184.8	167.8	152.0	150.1	157.0	150.7
137.5°	182.3	*185.4*	184.8	182.9	177.9	170.3	166.5	157.7	152.6	148.2	137.5
140°	192.4	*196.1*	194.3	183.5	179.7	176.0	178.5	175.3	162.7	147.6	131.8
142.5°	191.1	*194.3*	193.0	191.7	198.7	189.8	177.9	165.9	155.8	147.6	137.5
145°	247.9	*246.6*	241.6	241.6	233.4	220.1	211.9	199.3	187.3	176.6	160.2
147.5°	228.9	*232.1*	233.4	227.7	223.9	215.1	213.8	206.9	203.1	193.6	176.6
150°	181.6	*184.2*	180.4	176.0	174.1	174.7	171.5	166.5	162.7	155.8	148.2
152.5°	125.5	*126.8*	125.5	121.7	120.5	118.6	119.2	115.4	112.9	108.5	101.5
155°	114.2	*114.8*	115.4	109.1	107.8	108.5	109.1	106.6	101.5	97.8	89.6
157.5°	89.6	*88.3*	88.3	87.0	87.7	85.8	85.8	85.1	83.3	80.7	78.2
160°	71.3	*71.9*	71.9	71.9	73.2	71.9	71.9	70.0	70.0	68.7	67.5
162.5°	60.5	*60.5*	60.5	60.5	59.9	59.9	61.2	60.5	60.5	61.2	62.4
165°	51.1	*51.7*	51.7	51.7	51.7	51.7	53.0	53.0	54.2	56.8	59.9
167.5°	47.9	*47.3*	47.3	47.9	47.9	49.2	49.2	51.7	56.1	60.5	60.5
170°	45.4	*45.4*	45.4	46.0	46.0	46.7	48.6	53.0	58.0	59.9	57.4
172.5°	47.3	*46.7*	46.7	47.3	47.3	49.2	51.7	55.5	57.4	57.4	54.9
175°	48.6	*47.9*	47.9	48.6	48.6	49.8	52.3	54.9	56.1	56.8	56.8
177.5°	47.3	*47.3*	47.3	47.3	47.3	47.9	47.9	49.8	51.1	52.3	53.6
180°	45.4	*45.4*	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7
2.5°	288.2	263.0	225.8	180.4	210.0	246.6	241.6	213.2	170.3	128.0	128.0
5°	159.6	169.0	178.5	156.4	140.0	138.8	135.0	121.1	119.2	98.4	92.7
7.5°	139.4	130.6	128.7	152.0	150.1	99.0	78.2	69.4	73.2	99.0	102.2
10°	167.1	163.3	151.4	126.1	105.3	95.9	95.2	96.5	88.3	71.3	66.9
12.5°	188.6	182.3	171.5	164.0	140.0	111.6	95.9	88.9	94.0	119.2	124.9
15°	209.4	200.6	182.3	161.5	137.5	116.7	100.3	85.8	85.8	82.0	80.1
17.5°	225.8	214.4	192.4	169.7	142.5	116.7	95.2	80.7	73.8	72.5	72.5
20°	246.6	235.9	211.9	184.2	150.1	117.9	94.6	80.7	72.5	69.4	68.7
22.5°	272.5	258.6	227.7	194.9	154.5	119.2	95.9	81.4	73.2	68.7	67.5
25°	296.4	280.7	244.1	210.0	164.6	122.4	97.1	83.3	74.4	69.4	68.7
27.5°	316.0	298.9	264.9	225.8	175.3	129.9	103.4	87.0	76.3	71.3	70.0
30°	338.1	322.3	286.3	242.2	185.4	139.4	112.3	94.0	82.0	75.1	74.4
32.5°	370.8	351.3	309.7	259.2	197.4	149.5	121.1	100.3	85.8	82.0	82.0
35°	430.1	410.0	355.1	287.0	208.8	159.6	129.9	107.2	91.5	82.6	82.0
37.5°	541.1	513.4	444.6	350.0	228.3	167.8	137.5	112.9	94.6	82.0	80.1
40°	592.2	544.9	471.8	383.5	256.7	177.2	143.8	117.3	95.2	83.9	82.6
42.5°	652.8	613.0	509.6	391.7	277.5	200.6	154.5	122.4	99.0	86.4	85.1
45°	710.8	672.3	585.3	462.9	324.2	235.2	173.4	132.4	105.3	90.2	87.7
47.5°	816.1	775.8	654.7	536.1	388.5	289.5	211.3	148.2	114.2	94.0	90.8
50°	1089.8	1032.4	889.9	710.2	497.0	367.7	270.6	181.0	126.1	95.9	92.1
52.5°	1443.0	1355.4	1200.8	971.3	710.8	520.3	379.0	263.0	147.0	96.5	90.8
55°	2015.7	1907.8	1659.4	1323.8	995.2	776.4	573.9	404.3	216.3	100.9	90.2
57.5°	2558.7	2478.6	2261.7	1811.4	1320.0	986.4	754.9	568.9	294.5	111.0	94.6
60°	2958.0	2805.3	2551.8	2090.1	1594.4	1144.7	840.1	591.6	302.7	112.9	97.8
62.5°	3196.4	3007.8	2631.9	2130.5	1633.5	1177.5	874.1	544.3	244.7	110.4	102.2
63°	*3214.0*	*3031.1*	*2642.0*	*2116.6*	*1620.9*	*1168.7*	*869.1*	*532.9*	*237.8*	*109.7*	*103.4*
65°	3191.9	3033.0	2606.7	2044.1	1513.7	1090.5	809.2	478.7	193.0	107.8	104.7
67.5°	2972.5	2843.2	2421.9	1847.9	1347.8	941.6	669.8	365.2	150.7	102.8	101.5
70°	2488.1	2339.9	1957.7	1527.5	1068.4	760.6	534.2	283.2	124.2	97.8	96.5
72.5°	1851.7	1789.9	1487.2	1162.4	821.8	586.5	401.1	215.1	110.4	94.0	92.7
75°	1497.3	1404.6	1179.4	918.3	625.0	435.8	297.7	161.5	100.9	90.8	89.6
77.5°	1238.1	1176.2	981.4	693.1	445.9	314.1	218.9	128.0	96.5	88.9	88.3
80°	958.7	920.2	765.7	512.8	319.1	234.0	173.4	117.3	94.6	88.3	87.7
82.5°	676.1	664.1	557.5	383.5	271.2	209.4	161.5	115.4	95.2	89.6	88.3
85°	560.1	534.2	469.2	364.5	257.3	200.6	155.8	113.5	95.2	88.9	88.3
87.5°	545.5	524.1	454.1	341.2	235.9	185.4	146.3	109.1	92.1	86.4	85.8
90°	493.2	471.8	406.8	304.6	222.0	174.1	136.9	103.4	88.3	83.9	82.6
92.5°	420.7	401.1	353.2	276.9	212.5	167.1	133.1	101.5	87.7	82.6	82.0
95°	365.2	348.8	309.7	254.8	196.1	155.8	126.1	97.8	85.1	80.7	80.1
97.5°	290.7	280.7	250.4	207.5	165.9	136.2	112.9	92.1	82.0	78.2	77.6
100°	256.1	247.2	223.3	187.9	153.9	128.7	109.1	90.2	79.5	76.3	75.7
102.5°	240.3	233.4	211.9	176.6	144.4	122.4	104.1	87.0	77.6	74.4	73.8
105°	228.3	222.0	202.5	168.4	136.2	114.2	97.8	83.3	74.4	71.9	71.3
107.5°	213.8	208.8	189.8	156.4	128.0	107.2	92.7	80.1	72.5	70.0	70.0

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

Scaled Data Report

REPORT NUMBER: P1046267
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	201.8	198.0	178.5	149.5	122.4	102.8	89.6	78.8	71.9	69.4	69.4
112.5°	189.2	184.8	166.5	140.6	117.3	99.6	87.0	76.9	70.6	68.1	68.1
115°	175.3	170.9	153.3	130.6	111.0	94.6	83.3	73.8	68.1	66.2	66.2
117.5°	177.9	166.5	145.1	124.9	106.0	90.8	80.7	72.5	66.2	65.0	64.3
120°	180.4	165.9	150.1	131.2	109.1	88.9	78.8	70.6	65.6	63.7	63.7
122.5°	176.0	177.9	164.0	135.0	104.1	87.0	78.2	71.3	66.2	64.3	65.0
125°	172.2	176.6	160.2	127.4	100.3	86.4	78.2	73.2	68.7	66.9	66.9
127.5°	158.3	158.9	136.2	114.2	97.8	84.5	77.6	73.8	70.0	67.5	66.2
130°	139.4	138.1	127.4	111.0	92.1	81.4	75.1	73.2	69.4	65.0	64.3
132.5°	149.5	145.7	128.0	105.3	87.0	78.2	74.4	71.9	65.6	60.5	59.9
135°	141.9	138.1	119.8	98.4	84.5	79.5	77.6	71.3	61.8	58.0	57.4
137.5°	129.3	123.0	107.8	94.0	85.8	82.6	78.2	70.0	60.5	56.1	55.5
140°	124.2	117.9	106.0	96.5	87.0	76.9	69.4	61.8	55.5	51.7	51.1
142.5°	130.6	125.5	113.5	96.5	81.4	70.6	63.7	58.7	53.0	47.3	46.7
145°	152.0	142.5	126.1	108.5	92.7	80.1	69.4	58.7	48.6	42.3	41.6
147.5°	168.4	160.8	143.2	123.0	100.9	80.7	65.0	51.7	43.5	39.7	39.1
150°	140.0	135.6	122.4	106.0	89.6	71.3	56.1	46.0	41.0	39.7	39.7
152.5°	97.8	94.6	90.2	79.5	66.9	56.1	47.9	42.9	41.0	40.4	40.4
155°	86.4	84.5	78.8	69.4	60.5	52.3	46.0	42.3	41.6	41.0	41.0
157.5°	74.4	73.8	70.0	62.4	55.5	49.2	44.8	42.9	41.6	41.0	41.0
160°	66.9	65.0	61.2	56.1	51.7	47.9	45.4	44.1	42.9	42.3	42.3
162.5°	62.4	61.2	56.8	53.0	50.5	49.8	50.5	49.8	46.7	44.8	44.1
165°	59.3	58.7	54.2	51.7	50.5	53.6	57.4	56.1	50.5	47.3	47.3
167.5°	59.3	58.0	53.6	51.7	54.9	59.3	62.4	61.8	56.8	53.6	51.7
170°	56.1	54.9	53.6	54.2	58.7	60.5	61.2	62.4	63.1	66.2	67.5
172.5°	54.2	54.2	55.5	58.0	61.8	62.4	60.5	61.2	66.9	73.8	74.4
175°	56.8	56.8	59.3	63.7	65.6	66.9	64.3	65.0	71.3	78.2	78.8
177.5°	54.2	54.9	56.1	56.8	56.1	54.2	53.6	56.1	54.2	53.6	55.5
180°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4

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

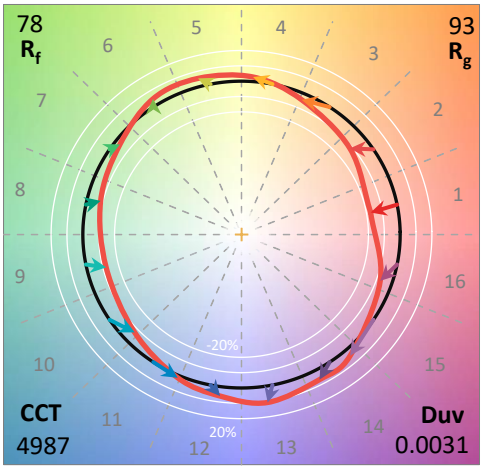
Test Information

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

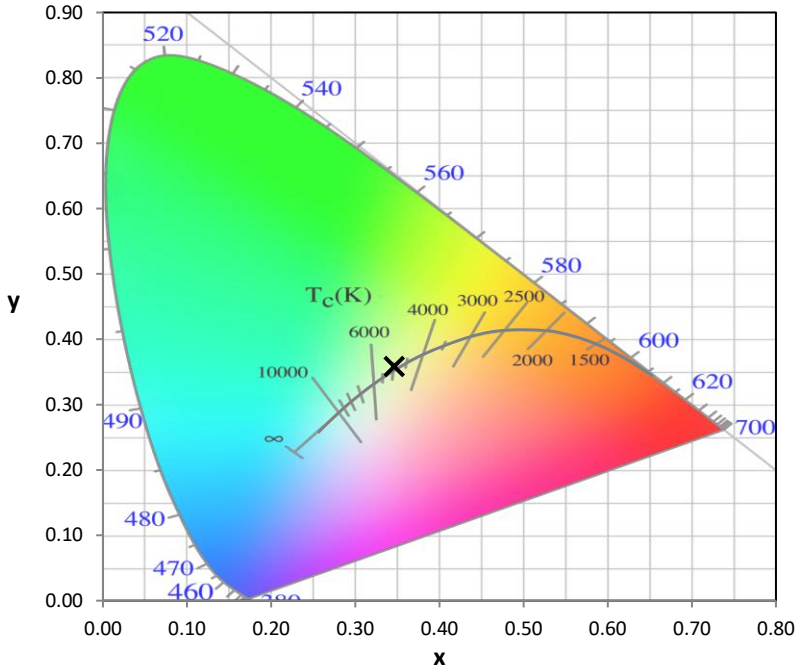
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

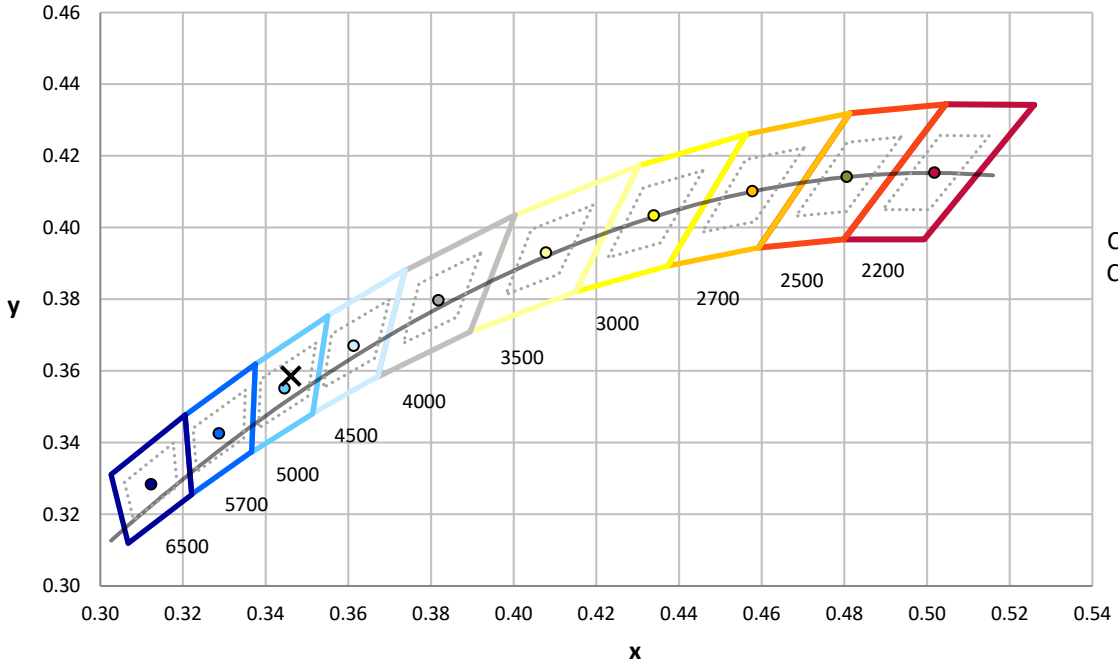
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

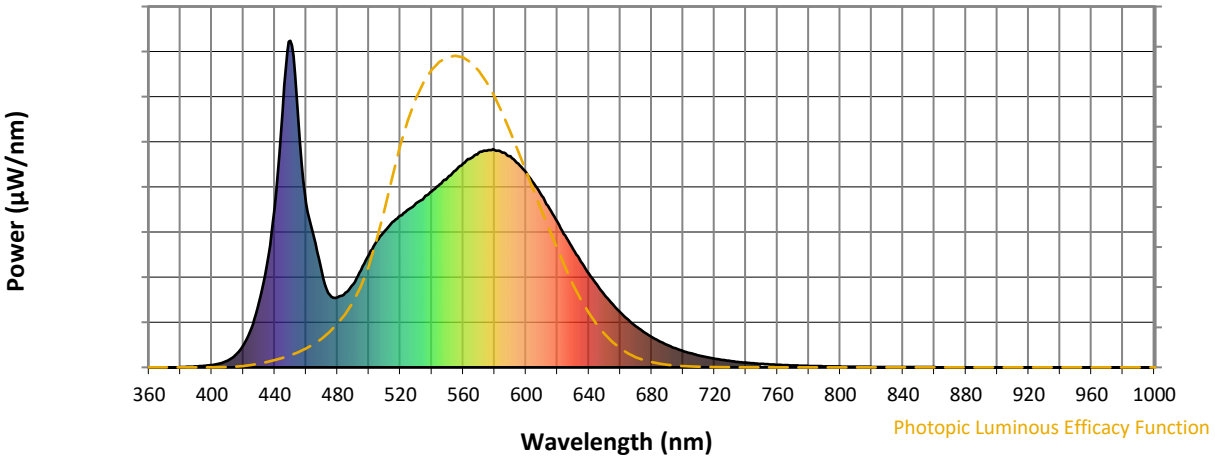


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

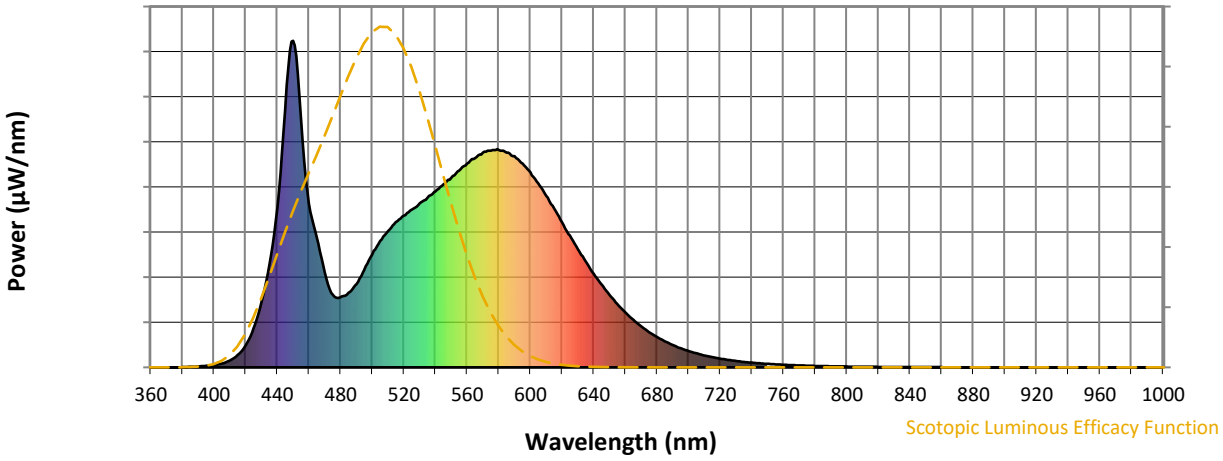


Photopic Lumens: NR

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

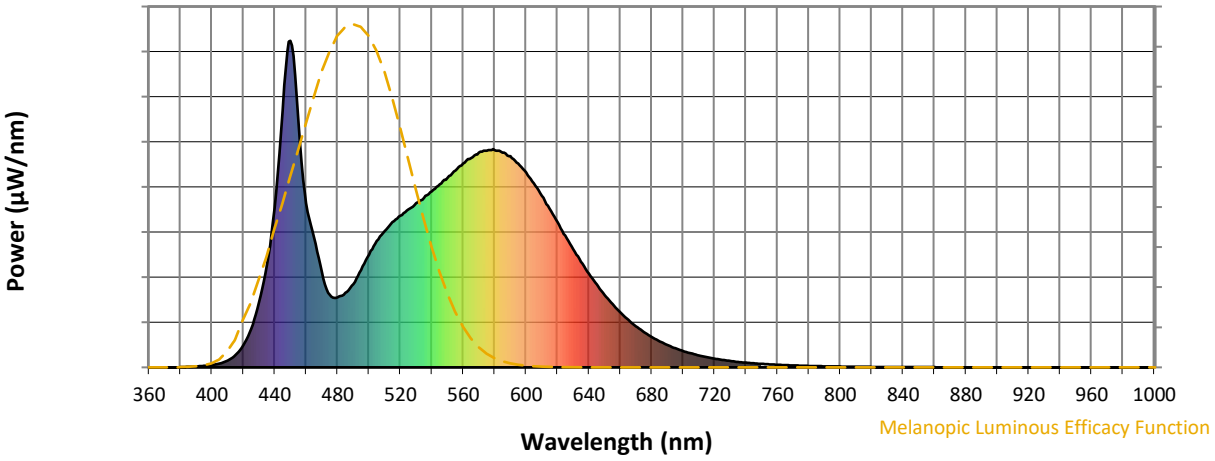


Scotopic Lumens: NR **S/P: 1.87**

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			

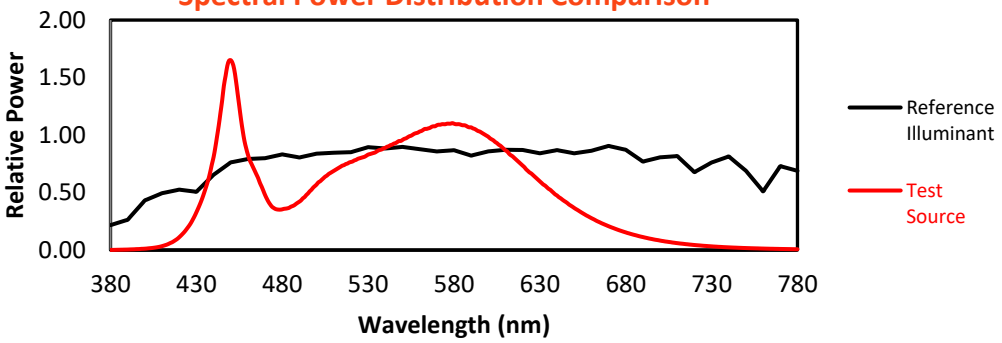
REPORT NUMBER: SP1-2501-332-5

TM-30-18

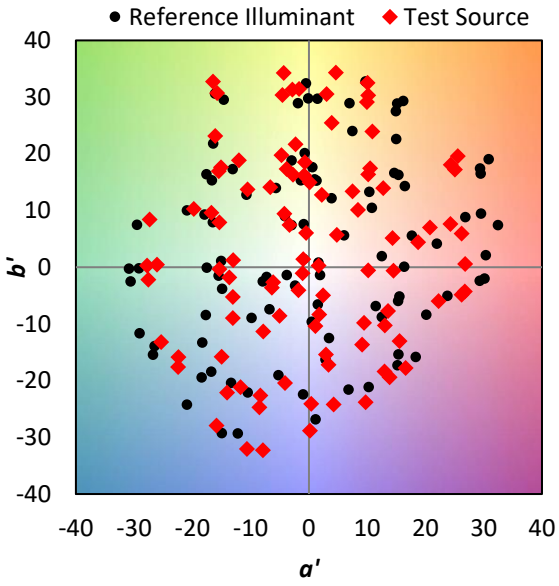
Summary

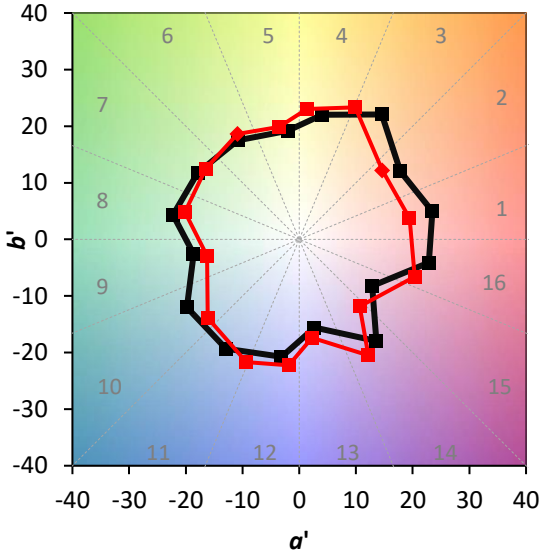
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

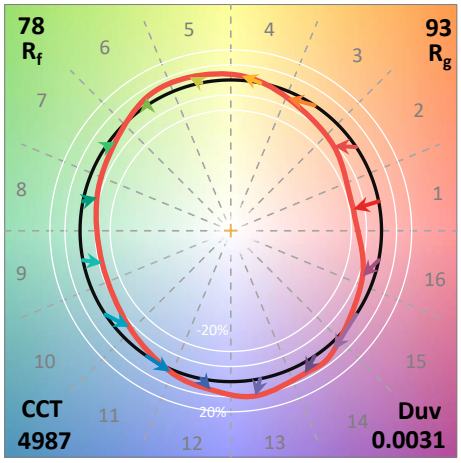
Spectral Power Distribution Comparison

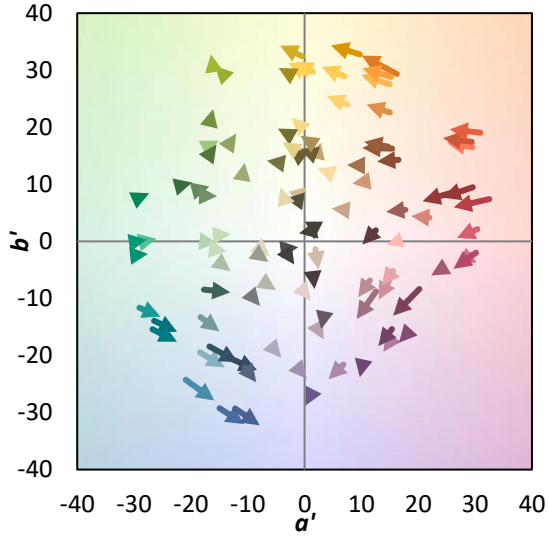


Color Vector Graphics







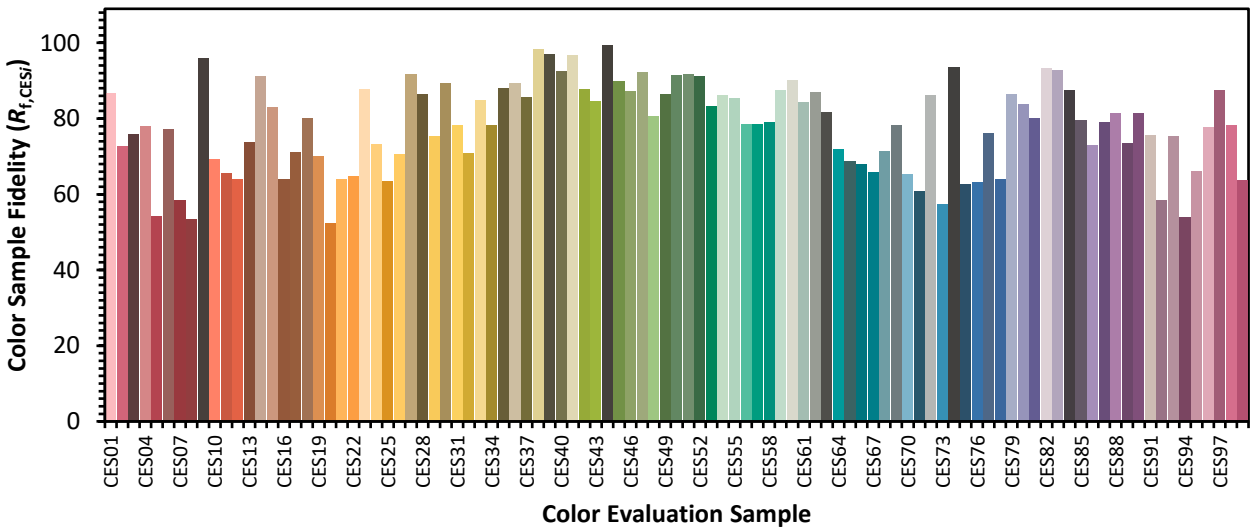


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

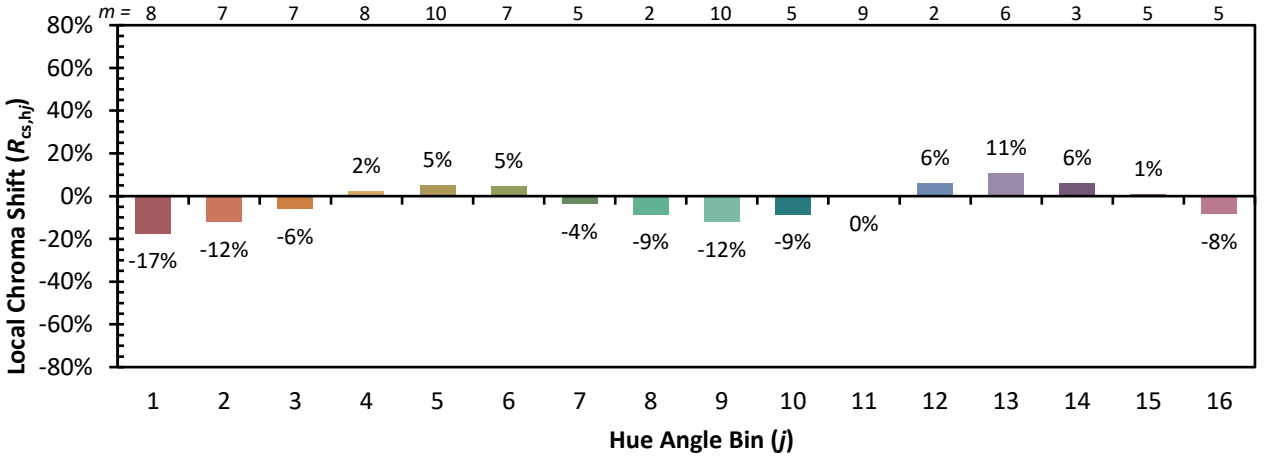
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57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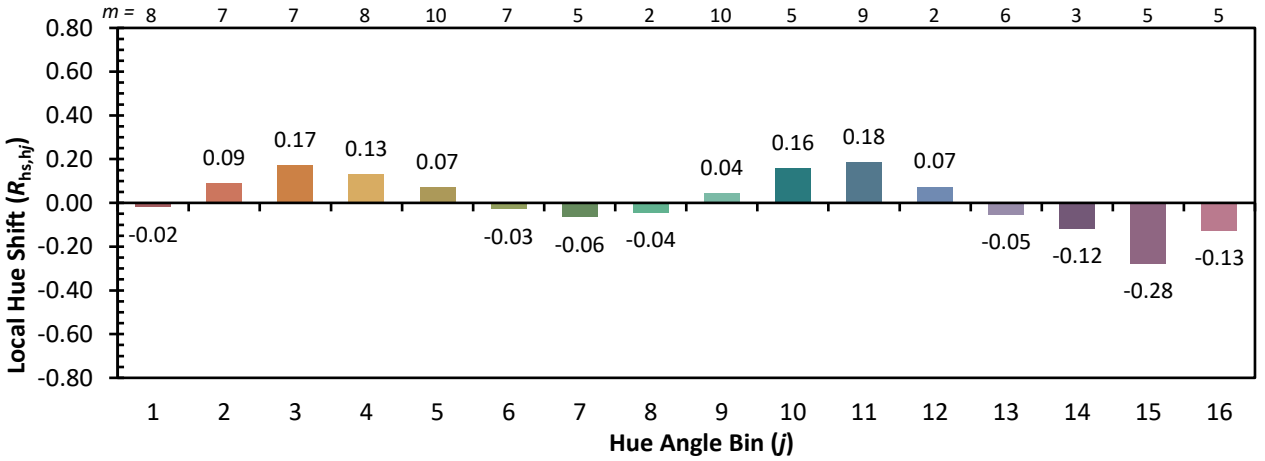


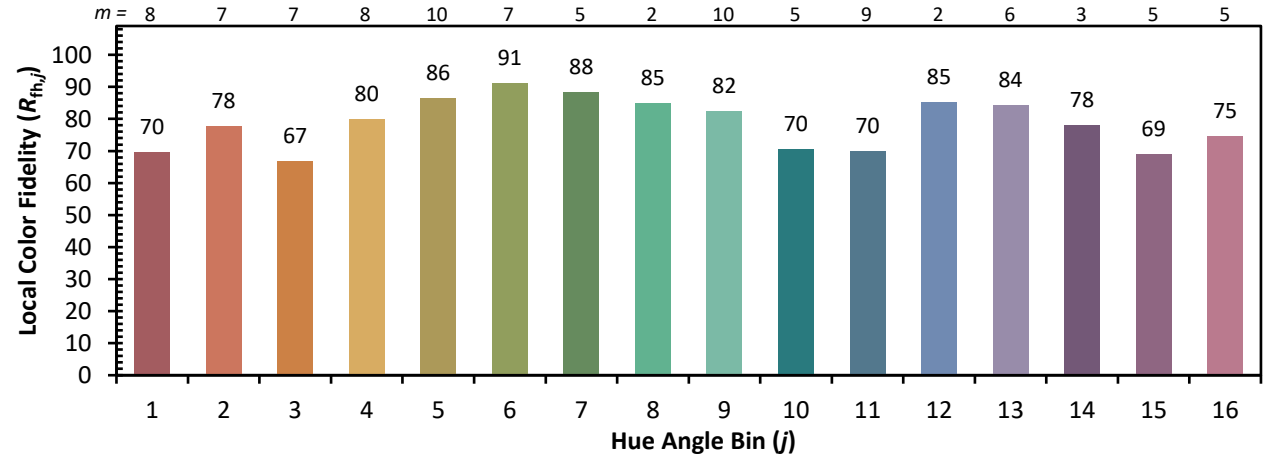
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Color Rendition by Hue-Angle Bin



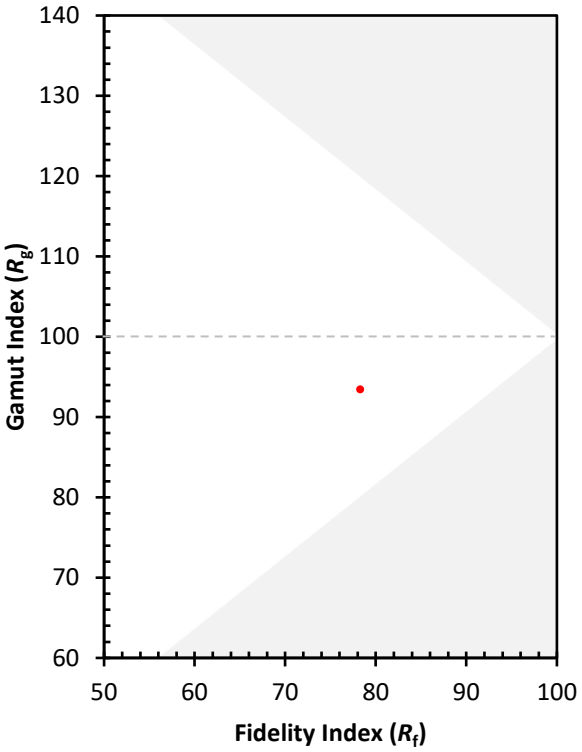


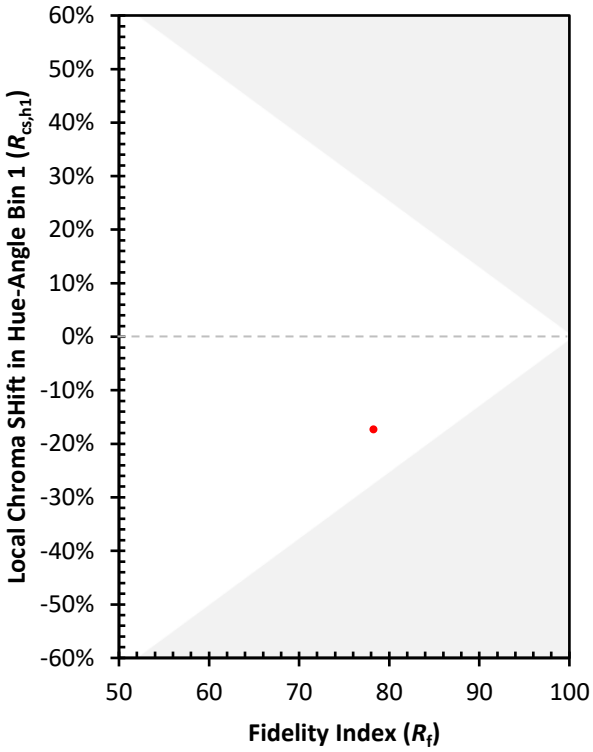


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Measure Comparisons





(END OF REPORT)