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: P1045927

Luminaire Tested: **FFX-CLB-40-727-U-FG-T5-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:	P1045927
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-727-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4233.5 lumens
Efficiency:	N/A
Efficacy:	107.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

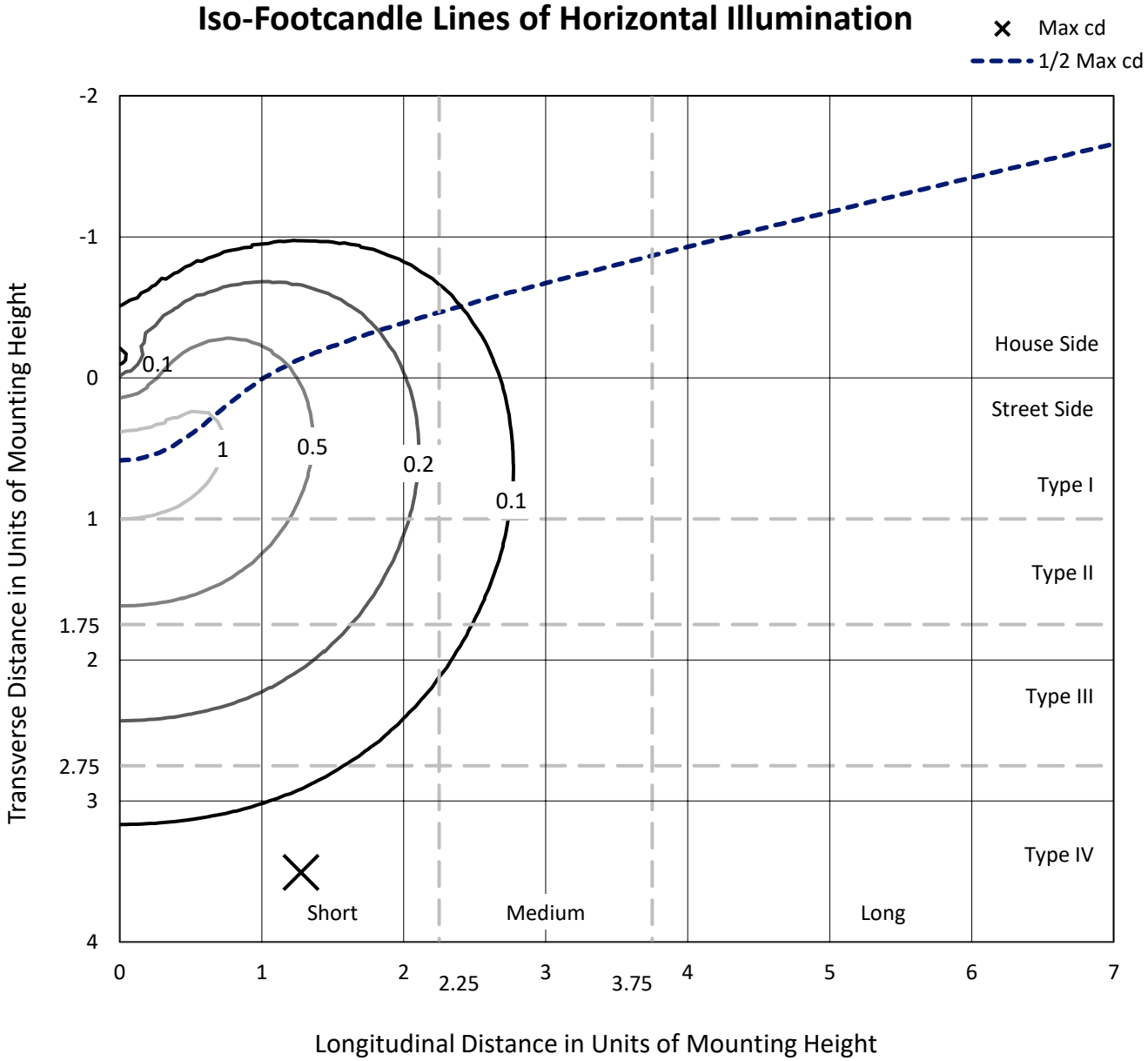


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Iso-Footcandle Lines of Horizontal Illumination



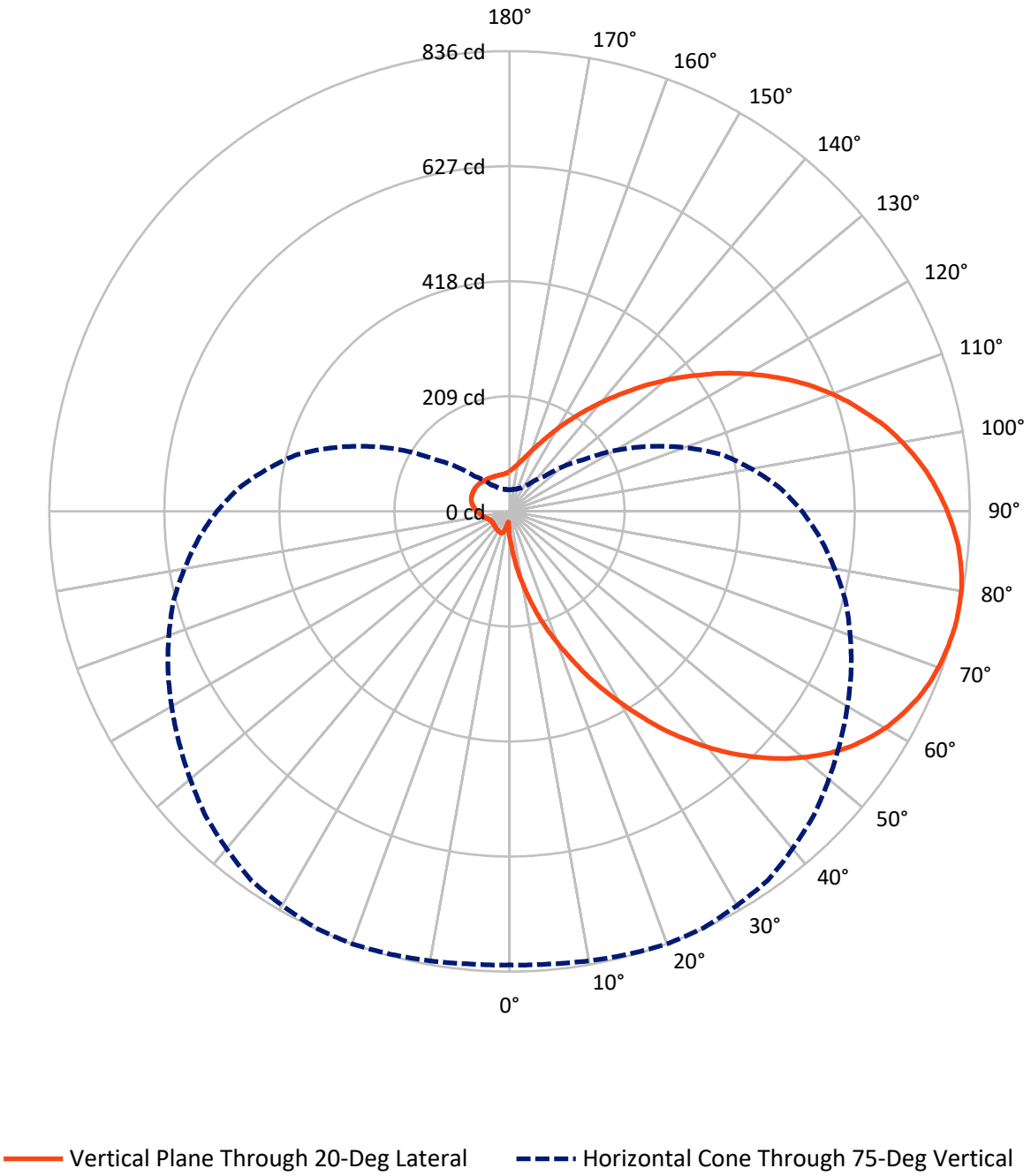
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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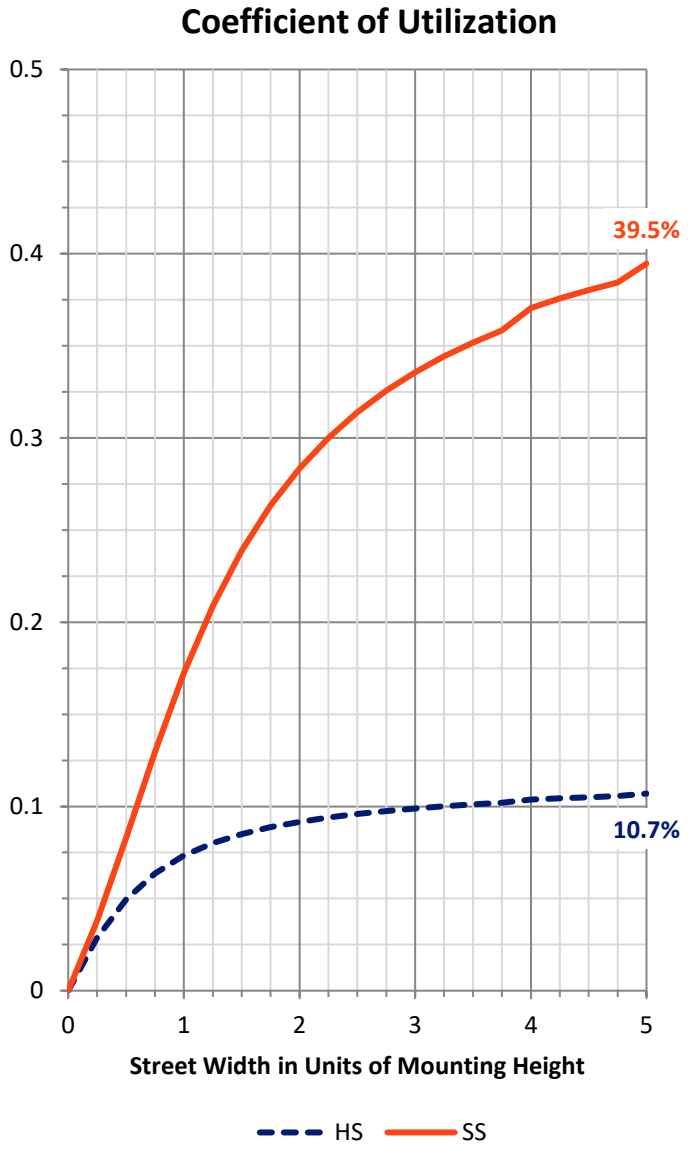
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.4	465.6	955.1
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	1921.9	1356.5	3278.4
	% Fixture	45.4	32.0	77.4
Total	Lumens	2411.3	1822.1	4233.5
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	35.3	0.8
20°-30°	93.6	2.2
30°-40°	180.7	4.3
40°-50°	283.0	6.7
50°-60°	378.4	8.9
60°-70°	448.4	10.6
70°-80°	488.6	11.5
80°-90°	497.3	11.7
90°-100°	471.6	11.1
100°-110°	417.0	9.9
110°-120°	338.7	8.0
120°-130°	249.3	5.9
130°-140°	165.3	3.9
140°-150°	97.4	2.3
150°-160°	51.5	1.2
160°-170°	24.3	0.6
170°-180°	7.1	0.2
0°-90°	2411.3	57.0
0°-180°	4233.5	100.0



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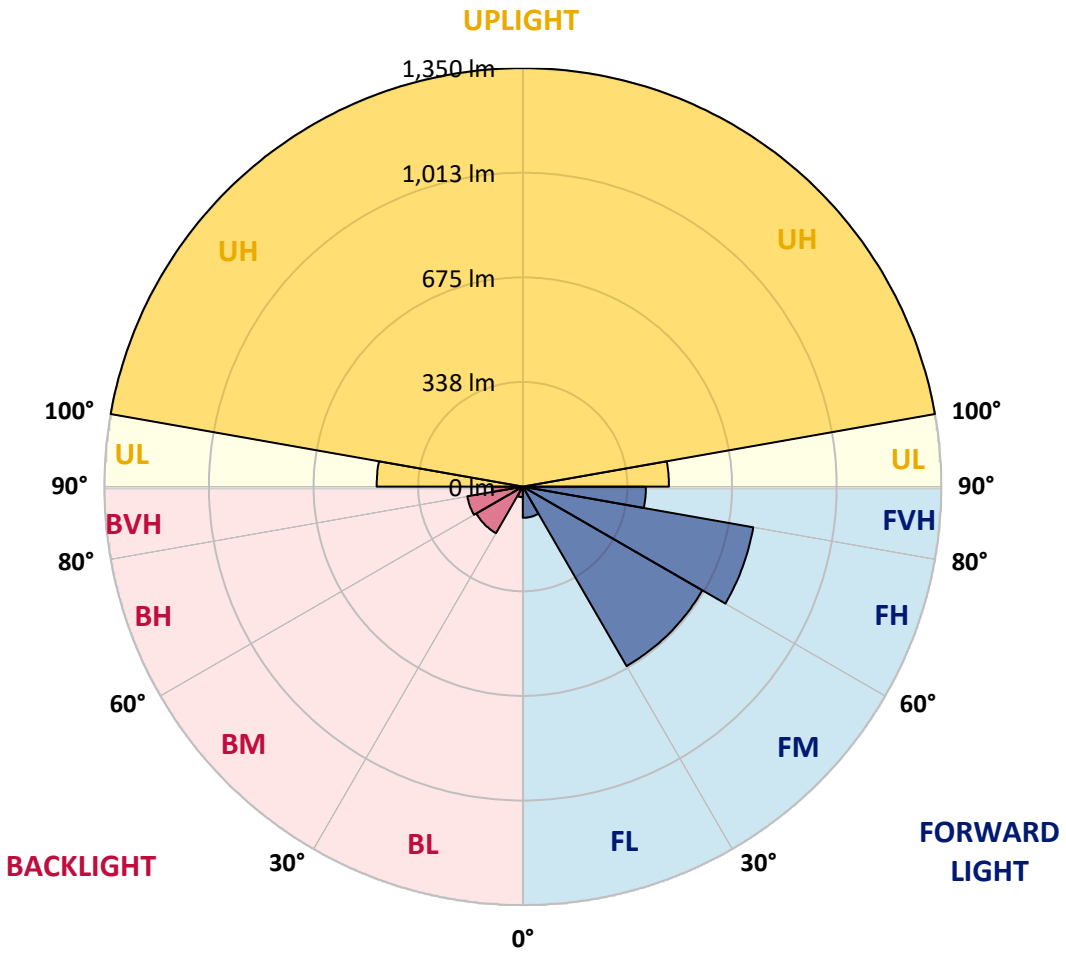
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	100.7	2.4			
FM	(30°-60°)	668.9	15.8			
FH	(60°-80°)	755.2	17.8			G1/1800
FVH	(80°-90°)	397.1	9.4			G3/500
BL	(0°-30°)	34.2	0.8	B0/110		
BM	(30°-60°)	173.3	4.1	B0/220		
BH	(60°-80°)	181.8	4.3	B1/500		G1/500
BVH	(80°-90°)	100.2	2.4			G2/225
UL	(90°-100°)	471.6	11.1		U3/500	
UH	(100°-180°)	1350.5	31.9		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	59.2	59.2	59.6	59.6	60.1	59.2	57.8	56.9	55.6	52.5	49.8
5°	82.3	82.7	81.8	82.3	82.7	80.5	77.4	73.4	67.6	62.3	56.5
7.5°	110.3	111.7	109.4	109.0	107.6	104.1	99.6	93.4	87.2	80.1	71.6
10°	141.0	140.6	137.9	134.8	133.9	129.4	123.7	117.9	108.5	99.6	90.7
12.5°	169.9	169.5	167.3	165.0	163.7	157.9	150.8	144.1	134.3	122.8	111.7
15°	200.2	200.6	198.4	197.1	194.4	188.6	182.8	173.0	163.3	149.9	136.6
17.5°	230.4	231.3	229.1	228.2	226.0	221.1	213.5	203.3	190.8	175.3	158.4
20°	263.8	264.7	263.3	260.2	257.6	252.2	245.5	232.6	218.9	202.8	181.0
22.5°	299.4	299.8	295.8	294.9	292.3	287.4	277.6	266.0	250.4	230.0	207.3
25°	334.5	334.5	333.6	332.7	328.7	322.9	313.2	298.9	281.6	259.8	233.1
27.5°	372.3	372.8	370.5	369.7	366.5	359.0	348.7	333.2	315.4	289.1	258.9
30°	412.4	411.9	409.7	407.9	406.6	399.0	387.4	371.4	349.2	318.9	288.3
32.5°	452.4	451.1	449.7	447.9	447.5	437.7	428.4	408.8	385.7	353.6	316.7
35°	493.3	490.2	489.3	489.8	487.5	479.5	465.7	446.6	419.9	386.6	344.7
37.5°	528.9	531.6	529.3	527.6	528.0	519.1	504.4	483.1	455.1	418.1	373.2
40°	568.5	566.7	566.7	566.7	565.4	557.4	541.8	518.2	486.2	447.1	398.1
42.5°	602.7	602.7	605.0	603.6	602.3	593.0	576.1	549.8	516.0	473.7	422.1
45°	637.9	637.0	639.7	637.9	637.0	627.2	609.4	582.3	546.7	500.4	446.2
47.5°	670.4	670.8	671.7	671.7	670.8	659.7	641.0	609.0	572.9	523.6	466.6
50°	698.4	700.6	703.3	701.5	702.4	690.4	669.5	637.0	595.2	545.4	484.9
52.5°	726.0	726.0	729.5	729.5	728.6	717.1	693.5	659.2	617.9	564.9	501.8
55°	749.5	750.0	753.1	753.5	753.1	739.8	714.8	677.9	634.8	581.4	515.6
57.5°	767.3	768.7	772.7	774.0	772.2	760.2	732.2	694.8	649.0	594.3	527.6
60°	783.3	785.1	789.6	791.4	790.0	777.1	747.8	707.7	660.6	605.4	537.8
62.5°	797.6	798.0	803.8	804.7	804.3	790.5	759.3	717.5	669.9	613.9	546.7
65°	807.8	809.1	815.4	816.7	815.8	801.1	768.7	725.5	677.5	621.0	553.4
67.5°	815.8	816.7	822.9	825.2	824.3	808.7	775.3	730.4	681.9	625.9	558.7
70°	820.3	821.6	828.7	830.5	829.6	814.0	779.3	732.6	684.6	629.4	562.3
72.5°	822.9	824.3	831.8	834.1	833.6	817.2	781.1	733.5	685.5	631.2	564.9
75°	824.3	825.6	833.2	836.3	834.9	818.5	781.6	733.1	685.0	632.5	567.2
76°	824.3	825.2	833.2	836.3	834.9	818.5	781.6	732.2	684.6	633.0	568.0
77.5°	823.4	824.7	832.7	835.4	834.5	818.0	780.2	730.4	683.3	632.1	568.5
80°	821.2	822.5	830.1	833.2	831.8	814.9	777.1	726.9	679.7	630.3	568.5
82.5°	816.3	817.6	824.7	826.9	826.5	809.6	771.3	720.6	674.4	627.2	567.6
85°	808.7	810.0	815.8	818.5	817.2	801.1	762.9	712.2	667.7	622.3	564.9
87.5°	798.5	799.4	805.6	806.5	806.0	790.0	752.2	701.5	658.8	615.6	560.5
90°	786.0	786.9	791.8	793.1	791.8	776.7	738.4	689.9	647.7	607.6	555.1
92.5°	773.1	772.7	776.2	777.6	776.2	761.1	724.2	676.1	636.1	598.7	548.5
95°	758.0	758.9	759.8	760.7	758.9	744.2	708.2	661.0	623.7	589.0	542.2
97.5°	741.1	740.6	741.5	741.5	739.8	725.1	689.9	646.3	609.4	578.3	533.8
100°	723.3	722.8	722.0	720.2	718.4	704.2	671.7	628.1	594.7	565.4	525.3
102.5°	703.7	701.1	698.4	697.9	693.9	681.9	650.8	610.8	579.2	553.4	514.7
105°	679.7	678.8	674.8	671.2	669.0	655.7	627.2	591.6	562.7	538.7	503.1
107.5°	655.2	653.5	647.7	646.3	641.9	629.9	604.1	572.5	546.3	524.0	489.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	629.0	628.1	621.9	*617.9*	614.3	601.0	578.7	552.0	528.0	507.6	473.7
112.5°	599.6	598.7	592.1	*589.0*	583.6	573.4	552.5	528.5	508.0	489.3	456.8
115°	569.8	569.4	561.8	*557.8*	552.9	540.5	523.6	504.9	486.6	468.0	436.4
117.5°	540.0	537.8	530.2	*525.3*	520.5	509.3	495.5	480.9	464.0	446.6	415.5
120°	506.2	505.8	497.3	*493.3*	488.9	478.6	466.6	452.8	439.5	422.1	394.6
122.5°	473.7	473.3	465.7	*460.8*	455.1	447.1	437.3	426.6	414.6	397.7	370.5
125°	440.8	439.9	431.9	*427.0*	422.1	415.5	406.1	398.6	388.8	372.8	347.0
127.5°	407.5	405.7	400.8	*395.9*	390.6	382.1	379.0	372.3	361.6	346.1	323.4
130°	376.3	375.4	368.8	*364.3*	359.0	352.3	349.6	344.3	336.7	322.5	301.2
132.5°	343.9	343.0	339.0	*334.5*	330.1	323.4	322.1	317.2	309.6	298.0	278.0
135°	314.9	314.1	309.6	*304.7*	302.5	297.6	295.8	291.8	284.7	273.1	255.8
137.5°	286.9	286.5	282.0	*278.0*	275.4	271.8	270.0	266.5	261.1	250.9	234.9
140°	261.6	259.3	255.8	*252.2*	249.6	246.0	245.1	242.0	238.0	228.2	216.6
142.5°	236.2	234.9	232.2	*229.1*	227.3	223.3	221.1	219.7	214.4	206.8	197.5
145°	211.3	211.3	209.1	*206.8*	204.2	201.5	199.7	198.4	193.9	187.3	178.4
147.5°	190.4	190.4	188.6	*187.7*	185.5	181.9	180.6	179.3	175.3	169.9	162.8
150°	172.6	171.7	170.4	*169.0*	167.3	164.1	161.9	160.6	157.5	153.5	146.8
152.5°	154.8	154.8	153.9	*152.1*	150.8	148.6	146.8	145.0	142.8	138.3	133.0
155°	139.7	139.7	138.3	*137.5*	136.6	134.8	133.0	131.2	128.6	125.0	121.0
157.5°	127.2	127.2	126.3	*125.9*	124.1	123.2	121.4	119.7	117.0	113.9	110.3
160°	115.7	116.1	115.7	*115.2*	113.9	112.5	110.8	109.0	106.8	104.1	101.4
162.5°	106.3	106.8	105.9	*105.4*	104.5	103.2	101.4	100.5	98.8	95.6	93.0
165°	98.3	98.3	97.9	*97.4*	97.0	95.2	94.3	93.4	91.6	89.4	87.2
167.5°	92.1	92.1	91.6	*91.6*	90.7	89.9	88.5	87.6	85.9	84.5	81.8
170°	86.7	86.7	86.3	*85.9*	85.4	84.5	83.6	82.3	81.4	79.6	78.3
172.5°	82.3	82.3	81.8	*81.4*	81.4	80.1	79.6	78.7	77.8	76.5	75.2
175°	78.7	78.3	78.3	*77.8*	77.4	76.5	76.1	75.6	74.7	74.3	73.4
177.5°	75.6	75.6	75.2	*75.2*	74.7	73.8	73.8	73.4	73.0	72.5	72.1
180°	71.6	71.6	71.6	*71.6*	71.6	71.6	71.6	71.6	71.6	71.6	71.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	48.5	47.2	43.6	40.5	38.3	35.1	32.5	31.6	31.1	30.7	30.7
5°	53.4	50.7	44.5	38.7	33.4	28.9	24.9	20.9	17.8	16.0	15.1
7.5°	67.2	64.1	55.6	48.0	40.5	33.8	27.1	22.2	17.8	15.1	15.1
10°	85.4	81.0	70.3	59.6	50.3	40.5	32.5	25.8	21.8	19.6	19.6
12.5°	104.5	98.8	86.3	72.5	59.6	48.5	38.7	31.6	27.1	25.4	25.4
15°	127.2	119.7	103.6	86.3	70.7	57.4	46.3	38.3	32.9	30.7	30.2
17.5°	149.0	139.2	120.1	100.5	81.8	65.8	52.9	42.7	36.9	33.8	33.4
20°	172.1	160.1	137.5	113.4	92.1	72.5	56.9	45.8	38.3	34.7	34.3
22.5°	193.5	180.6	153.5	125.4	100.1	77.4	59.2	46.3	37.8	33.8	33.4
25°	218.0	203.3	171.3	138.3	108.5	81.4	60.9	46.3	37.4	32.9	32.5
27.5°	242.9	225.5	189.5	151.2	116.1	85.9	62.3	46.3	36.5	32.0	31.6
30°	269.1	250.0	206.8	164.6	124.1	89.4	63.6	45.8	36.0	31.1	30.7
32.5°	295.8	273.6	226.0	177.5	132.1	93.0	64.5	45.8	35.1	30.7	29.8
35°	322.9	297.1	245.1	190.8	139.2	96.1	64.9	45.4	34.7	29.8	29.4
37.5°	347.0	320.3	262.9	202.8	145.9	98.3	65.4	44.9	34.3	29.4	28.9
40°	371.4	342.5	279.8	213.5	150.8	99.6	64.9	44.5	33.4	28.9	28.5
42.5°	393.7	362.5	295.4	223.7	155.2	101.0	64.5	43.6	32.9	28.5	28.0
45°	415.0	382.1	310.0	232.6	159.2	101.4	63.6	43.1	32.5	28.5	28.0
47.5°	434.6	399.0	324.3	241.1	162.8	101.4	63.2	42.3	32.5	28.5	28.0
50°	451.1	415.9	335.8	248.7	165.0	101.0	62.3	41.8	32.5	28.5	28.0
52.5°	467.1	429.7	347.4	254.4	166.4	100.1	60.9	41.4	32.5	28.9	28.5
55°	480.0	442.2	357.2	260.7	167.7	99.2	60.1	40.9	32.5	28.9	28.9
57.5°	491.1	452.4	364.8	264.7	167.7	97.4	59.2	40.9	32.9	29.8	29.4
60°	501.8	461.7	372.8	268.2	167.7	96.1	58.3	40.9	33.4	30.2	29.8
62.5°	508.9	469.3	379.0	271.3	166.8	94.7	57.4	40.9	33.8	31.1	30.7
65°	516.0	476.4	384.8	274.0	166.4	93.4	57.4	41.4	34.7	32.5	32.0
67.5°	521.3	482.2	388.8	275.8	165.5	92.1	56.9	42.3	36.0	33.8	33.4
70°	525.8	486.6	393.7	277.1	164.6	91.2	57.4	43.6	37.4	35.1	35.1
72.5°	529.3	490.6	396.3	278.5	163.7	90.7	58.3	44.9	39.6	37.4	36.9
75°	*531.6*	*492.9*	*399.0*	*278.9*	*162.8*	*90.3*	*59.2*	*46.7*	*41.4*	*39.6*	*39.1*
76°	532.0	493.8	399.9	279.4	162.4	90.3	59.6	47.2	42.3	40.5	40.0
77.5°	533.4	495.1	400.8	279.4	161.9	90.3	60.5	48.5	43.6	41.8	41.8
80°	534.2	496.0	402.1	279.8	161.0	90.3	61.8	50.7	46.3	44.5	44.0
82.5°	533.8	496.4	402.6	278.9	160.6	90.7	63.6	52.9	48.9	47.2	46.7
85°	532.0	495.1	401.7	277.6	159.2	91.6	65.4	55.6	51.2	49.4	49.4
87.5°	528.9	492.0	399.5	275.8	158.4	92.1	67.2	57.8	53.8	52.0	52.0
90°	524.5	488.4	396.8	274.0	157.0	92.5	69.4	60.1	56.5	55.2	54.7
92.5°	519.1	484.0	393.2	271.3	156.1	93.4	71.2	62.7	59.2	57.4	57.4
95°	513.8	479.1	389.2	268.2	155.2	94.7	73.0	64.9	61.4	60.1	60.1
97.5°	506.2	472.4	383.9	264.7	153.9	95.2	75.2	67.2	64.1	62.3	62.3
100°	496.9	464.8	377.7	261.1	153.0	96.5	77.0	69.4	66.3	64.9	64.5
102.5°	487.5	456.0	371.0	257.1	151.7	97.0	78.7	71.6	68.1	66.7	66.7
105°	476.9	446.2	362.5	251.8	150.4	97.9	80.1	73.0	69.8	68.5	68.1
107.5°	464.4	433.7	354.1	246.9	149.0	98.8	81.4	74.3	71.2	69.8	69.4

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

Scaled Data Report

REPORT NUMBER: P1045927
CATALOG NUMBER: FFX-CLB-40-727-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	450.2	422.1	343.9	241.5	148.1	100.1	82.7	75.2	72.1	70.3	70.3
112.5°	433.7	405.7	332.7	235.3	148.1	101.9	83.6	76.1	72.5	70.7	70.7
115°	414.1	388.3	319.4	229.5	147.7	103.6	85.4	76.5	72.5	71.2	70.7
117.5°	395.0	370.1	306.0	223.7	149.0	106.8	87.2	77.4	72.5	70.7	70.7
120°	373.7	351.0	292.3	218.0	150.8	109.9	89.4	77.8	72.5	70.3	70.3
122.5°	351.4	330.5	278.9	212.6	152.1	113.4	91.2	78.7	72.1	69.8	69.4
125°	330.5	309.6	263.8	207.3	153.5	116.5	93.4	79.2	71.6	68.9	68.5
127.5°	307.4	291.4	250.4	201.5	154.4	119.2	95.2	79.6	71.2	68.1	67.6
130°	287.4	271.8	237.1	195.3	153.5	120.1	95.6	79.2	70.3	67.2	67.2
132.5°	265.1	252.7	222.4	187.3	151.2	120.1	96.1	79.2	69.8	66.7	66.3
135°	245.5	234.0	208.6	178.4	147.2	118.3	95.2	78.7	69.4	66.3	65.8
137.5°	227.3	216.2	193.9	169.0	141.5	115.2	93.4	77.8	68.9	65.8	65.4
140°	207.7	199.7	180.6	158.8	135.2	111.7	91.2	77.0	68.9	65.8	65.4
142.5°	189.9	183.3	165.9	147.7	127.2	106.3	88.5	75.6	68.5	65.8	65.4
145°	173.9	166.4	153.0	136.6	119.2	101.4	85.9	74.7	68.1	65.8	65.4
147.5°	158.4	151.7	140.6	126.3	112.1	96.5	83.2	73.4	68.1	65.8	65.4
150°	142.8	138.3	128.6	117.0	104.1	91.6	80.5	72.5	68.1	66.3	65.8
152.5°	129.4	126.3	117.9	108.5	97.4	86.7	77.8	71.6	68.1	66.3	66.3
155°	118.3	115.2	108.1	99.6	91.6	82.7	76.1	70.7	68.1	66.7	66.3
157.5°	107.2	105.0	99.2	93.0	86.3	79.6	74.3	70.3	68.1	66.7	66.7
160°	98.8	96.5	92.1	87.2	81.8	77.0	72.5	69.4	68.1	67.2	67.2
162.5°	91.6	89.9	86.3	82.3	78.3	74.3	71.2	68.9	68.1	67.2	67.2
165°	85.9	84.5	81.4	78.3	75.6	72.5	70.3	68.9	68.1	67.6	67.6
167.5°	81.0	80.1	77.8	75.6	73.4	71.2	69.4	68.5	68.1	68.1	68.1
170°	77.4	76.5	75.2	73.4	71.6	70.3	68.9	68.5	68.5	68.1	68.5
172.5°	74.7	74.3	73.0	71.6	70.7	69.4	68.9	68.5	68.9	68.9	68.9
175°	73.0	72.5	71.6	70.7	70.3	69.4	69.4	68.9	69.4	69.8	69.8
177.5°	71.6	71.2	70.7	70.7	70.3	69.8	69.8	70.3	70.7	70.7	70.7
180°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6

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: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

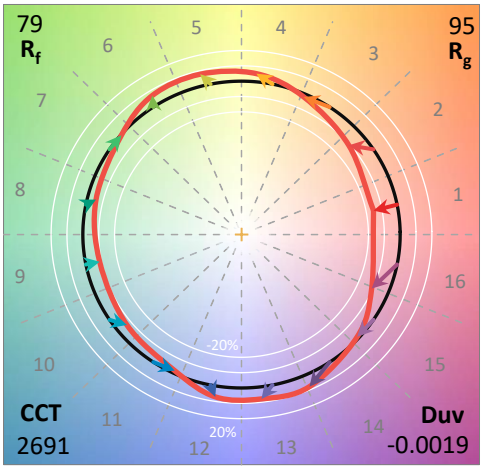
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

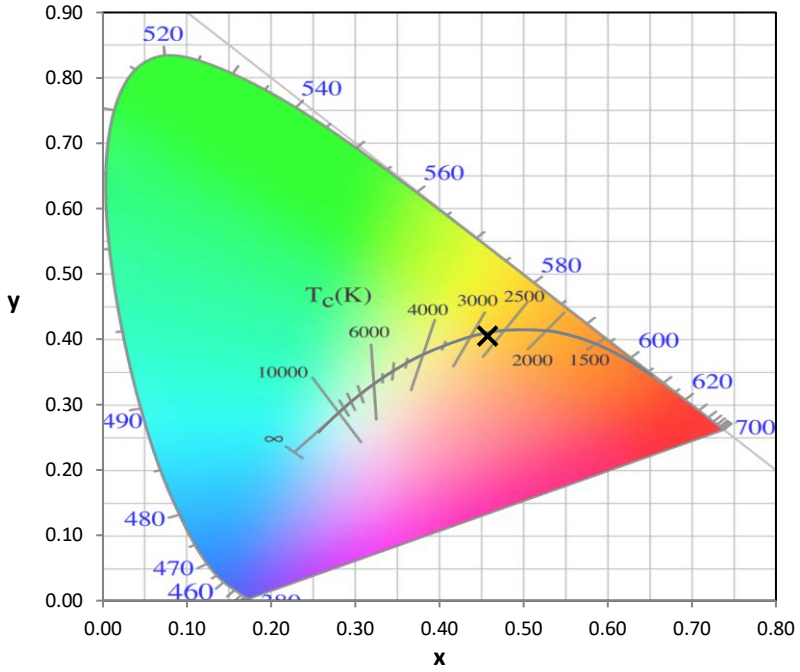
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

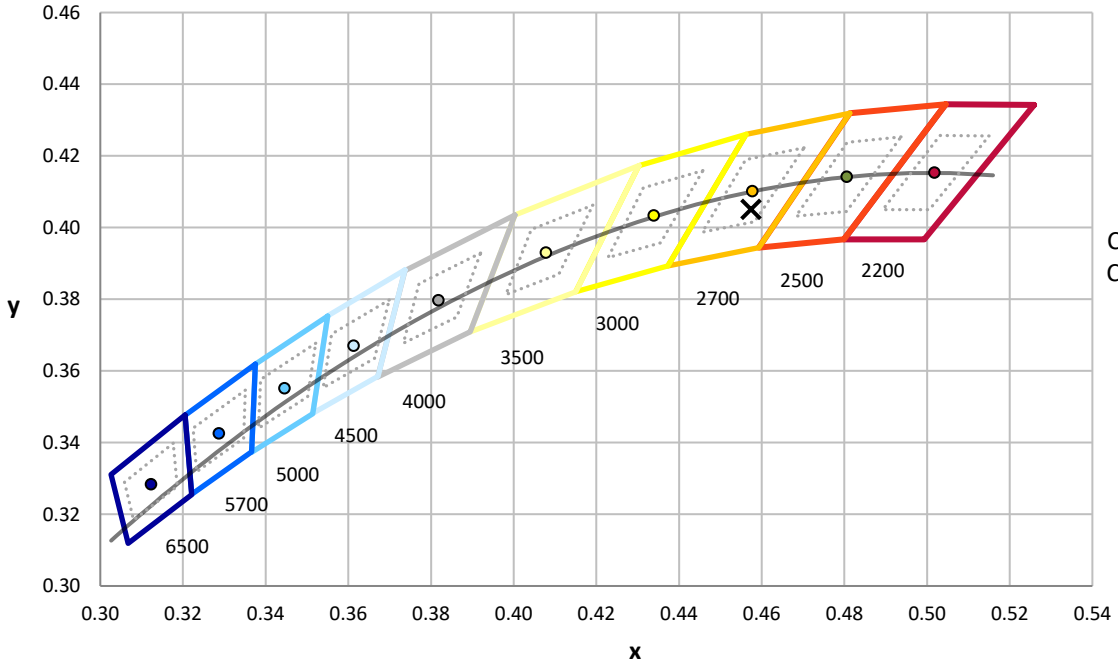
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

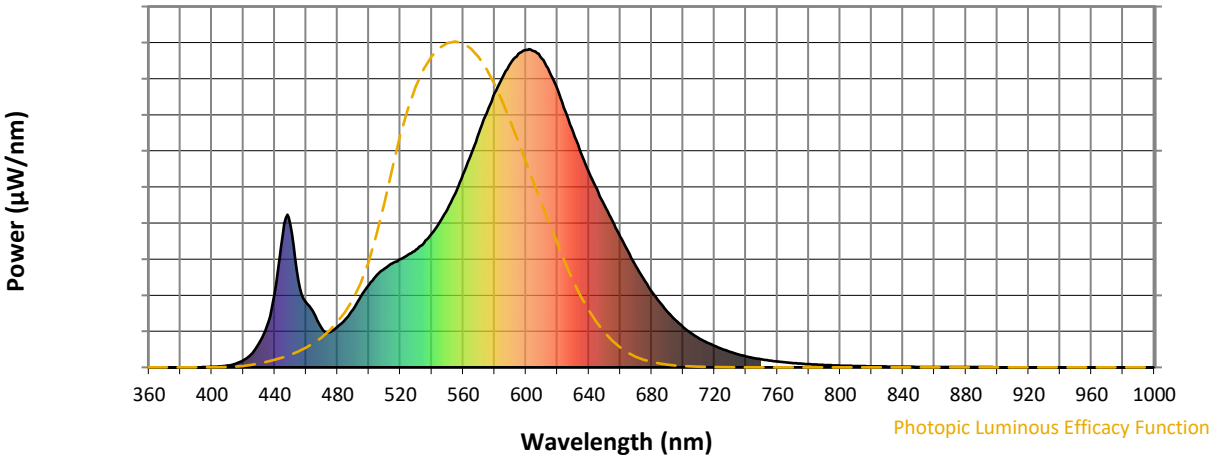


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

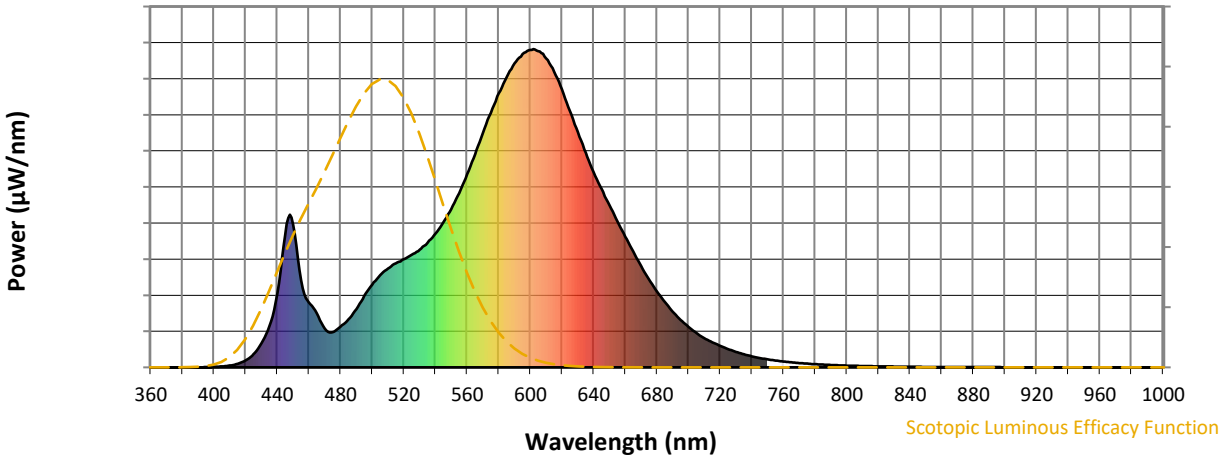


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

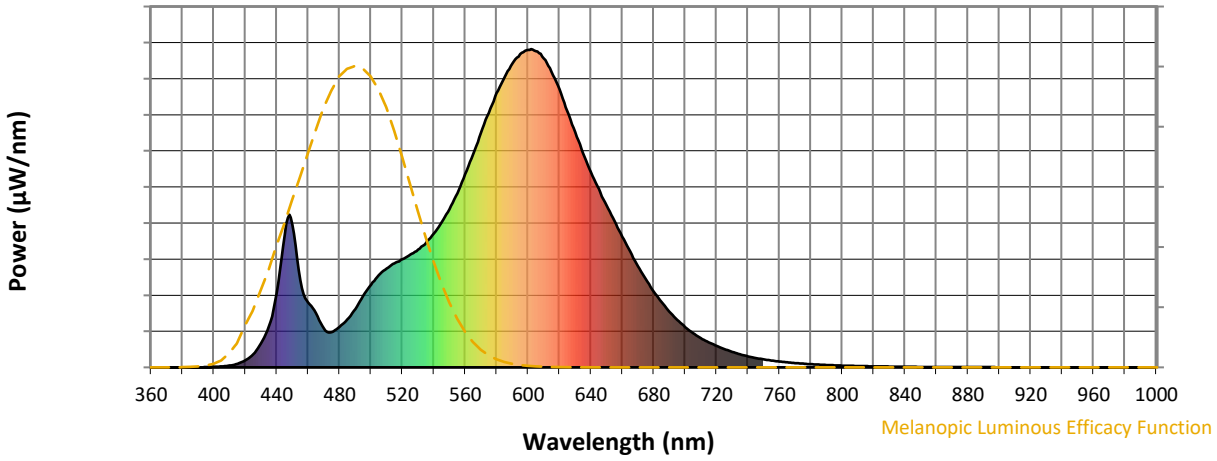


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

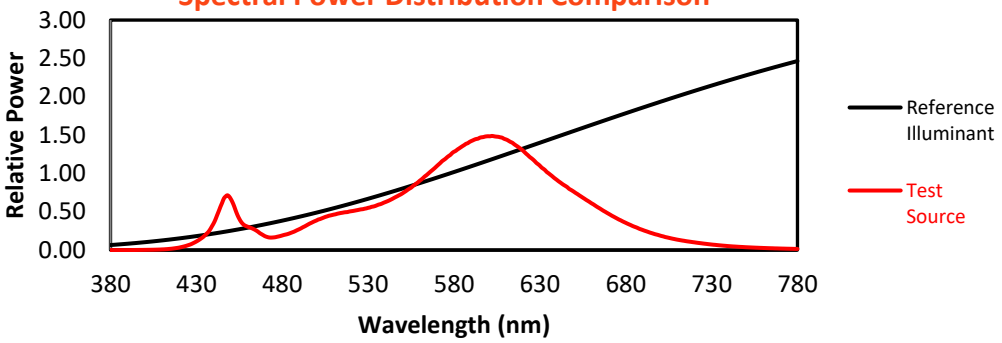
REPORT NUMBER: SP1-2501-332-8

TM-30-18

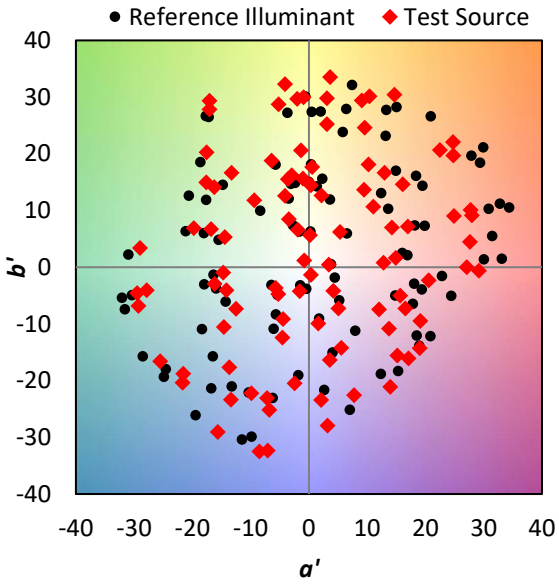
Summary

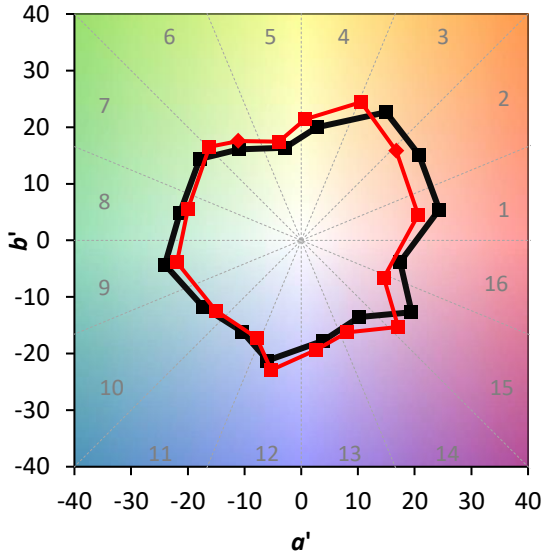
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

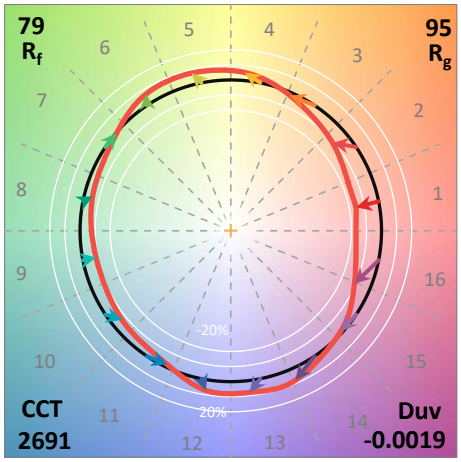
Spectral Power Distribution Comparison

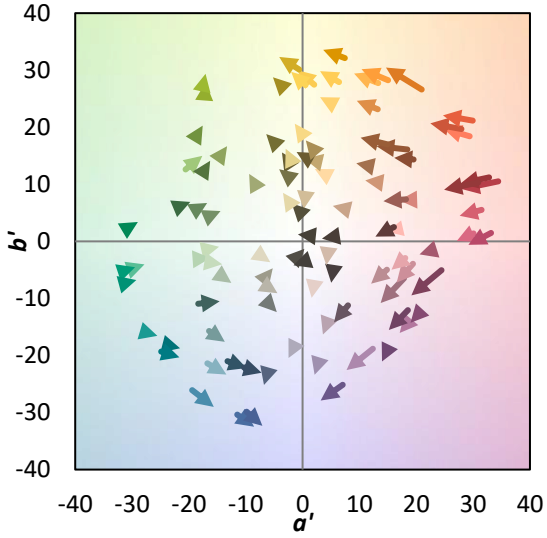


Color Vector Graphics







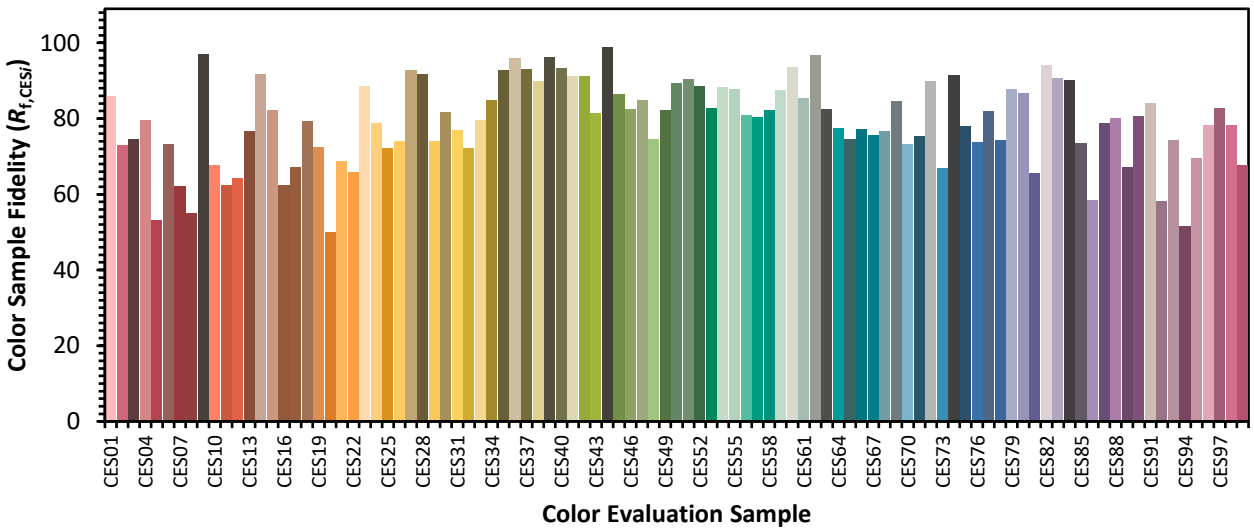


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

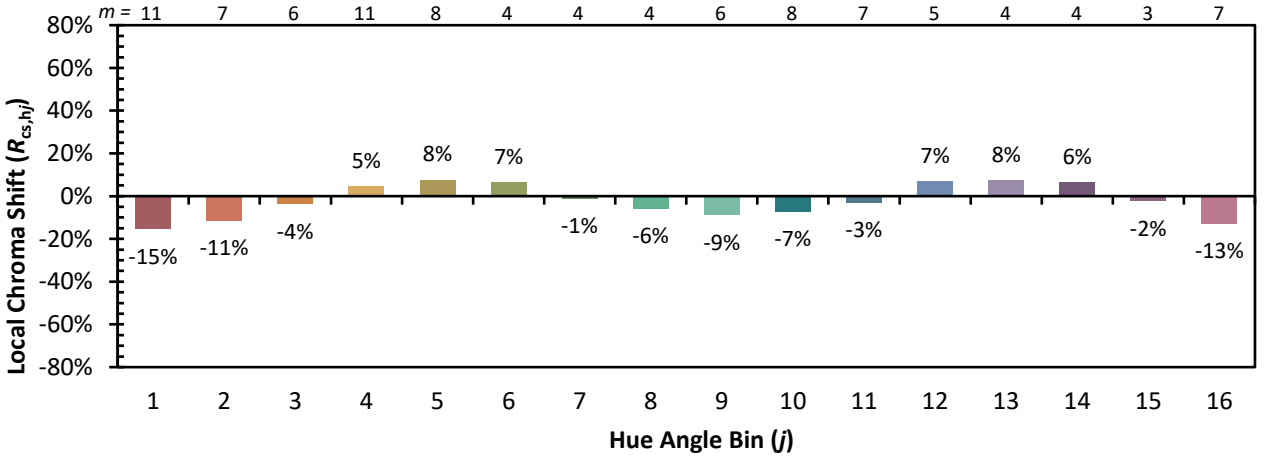
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

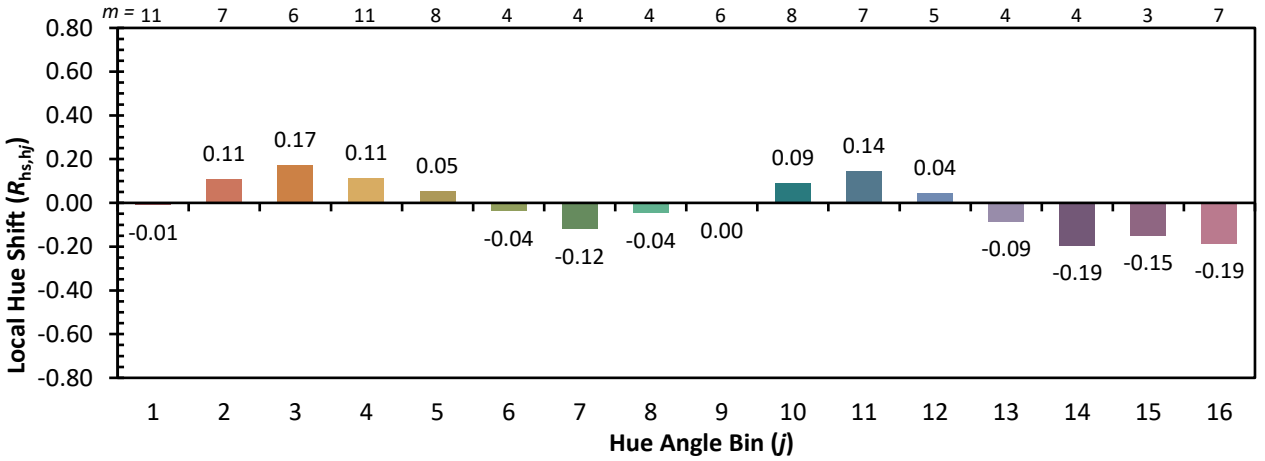


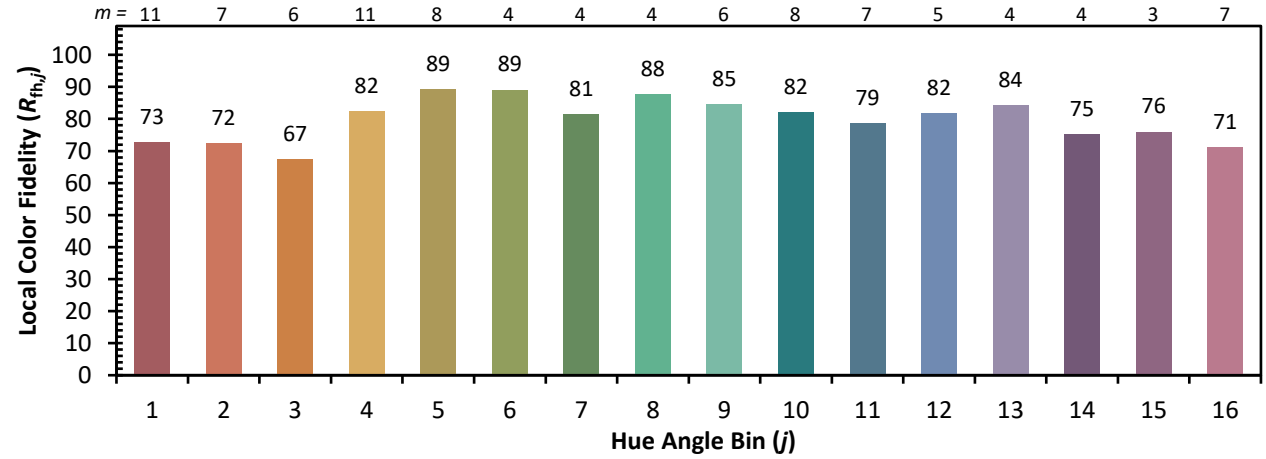
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Color Rendition by Hue-Angle Bin



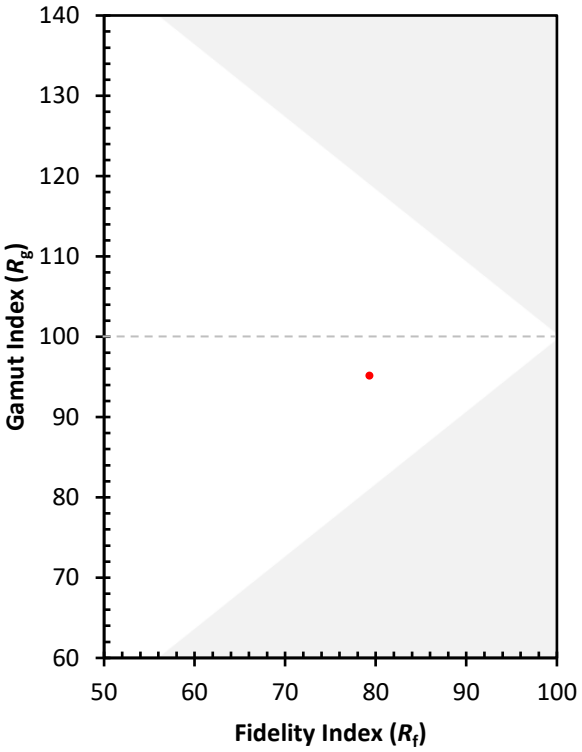


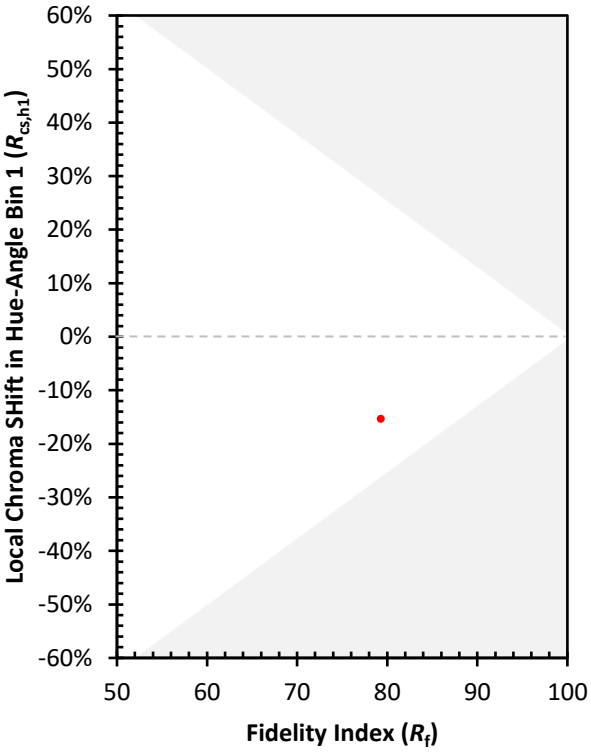


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Measure Comparisons





(END OF REPORT)