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: P1045837

Luminaire Tested: **FFX-CLB-40-727-U-VM8-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:	P1045837
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-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4063.6 lumens
Efficiency:	N/A
Efficacy:	103.1 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):	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

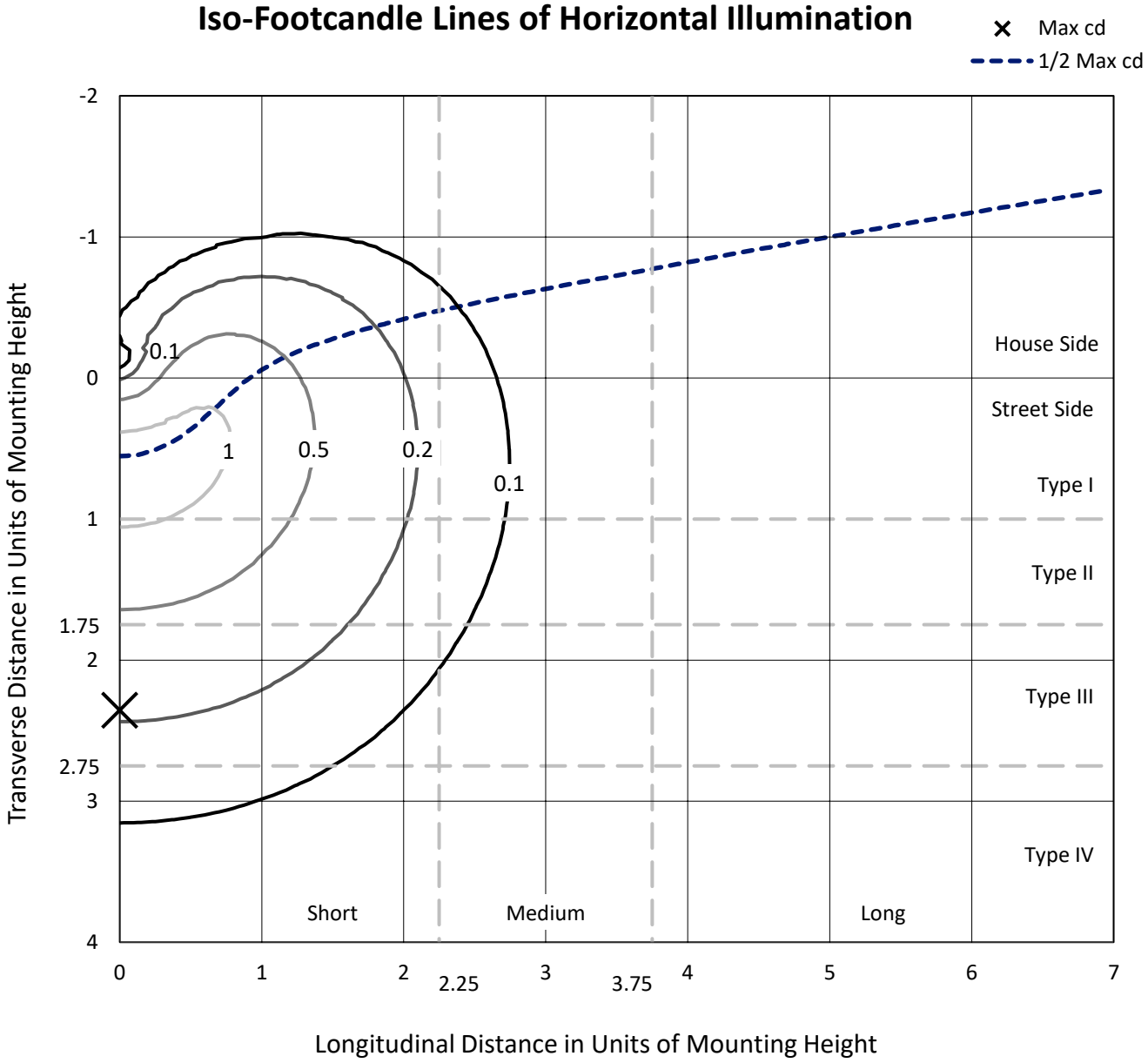


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Iso-Footcandle Lines of Horizontal Illumination



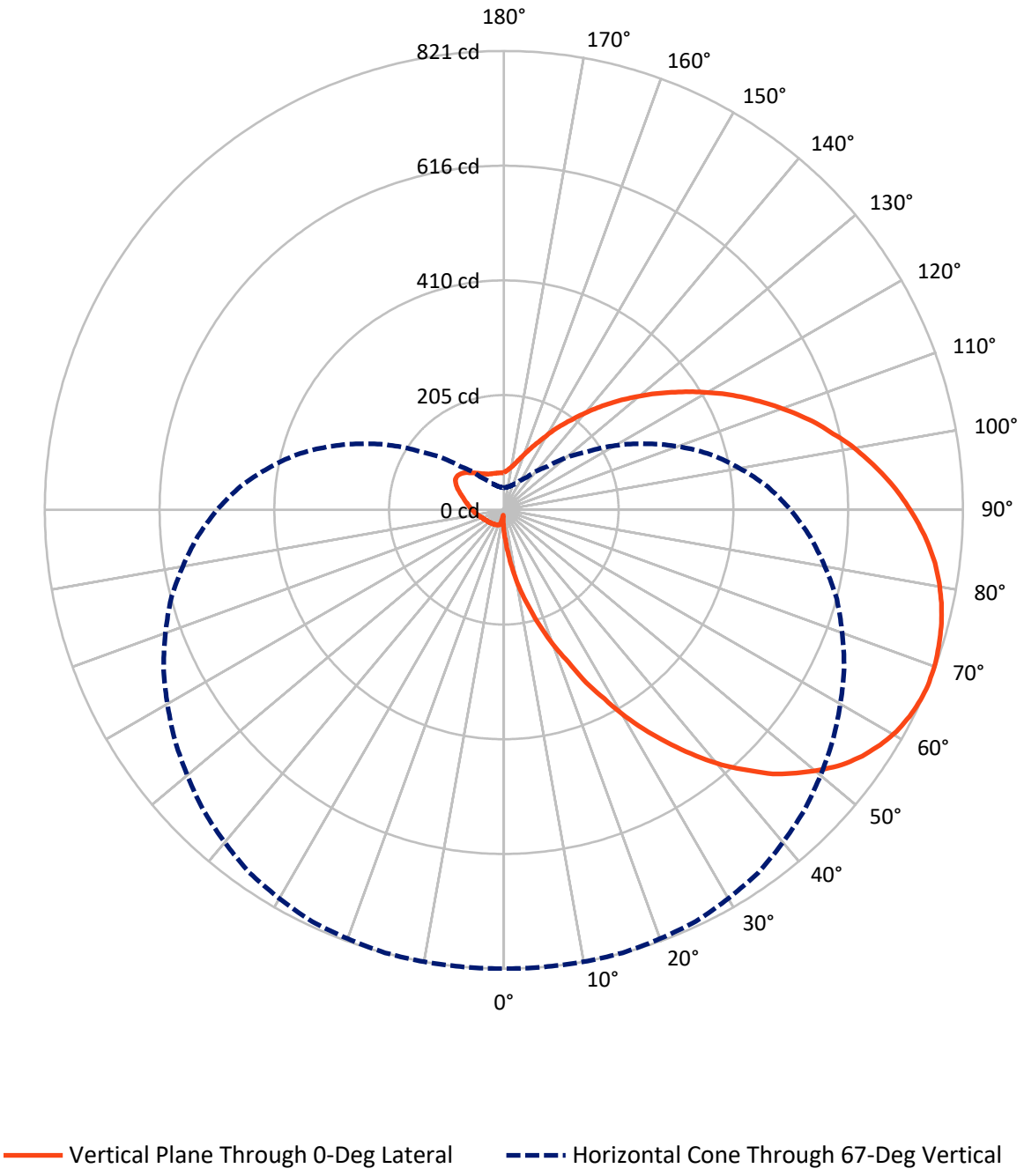
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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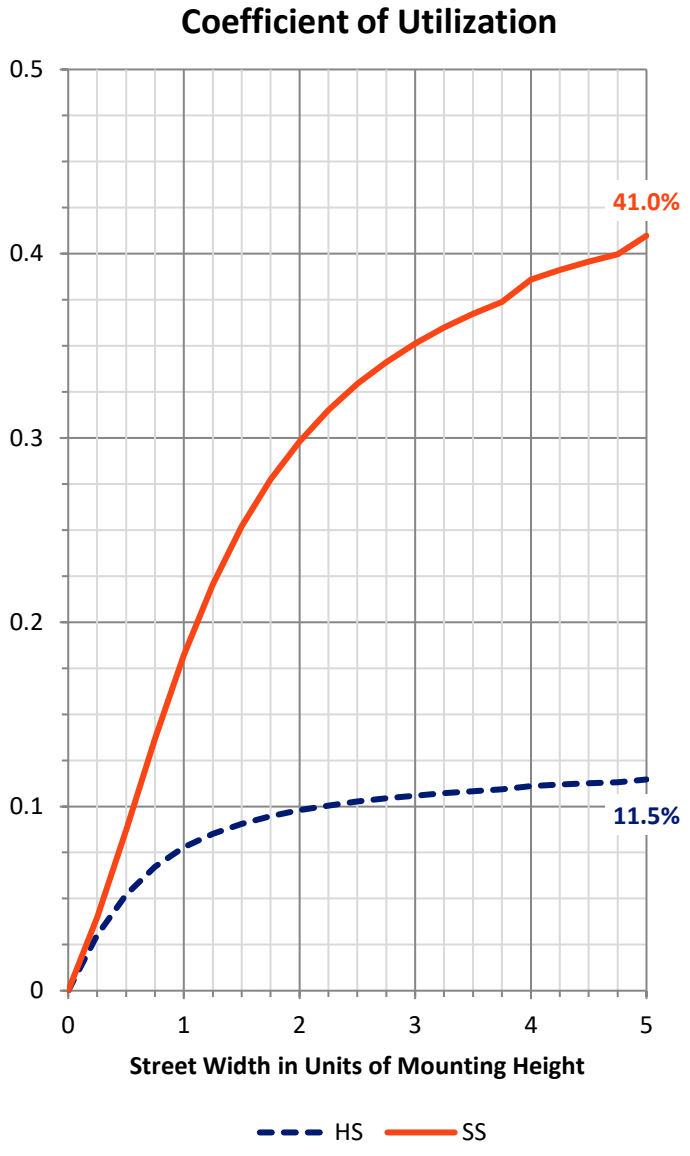
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.2	479.4	982.6
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	1897.4	1183.6	3081.0
	% Fixture	46.7	29.1	75.8
Total	Lumens	2400.6	1663.0	4063.6
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	33.8	0.8
20°-30°	94.3	2.3
30°-40°	188.7	4.6
40°-50°	296.5	7.3
50°-60°	389.8	9.6
60°-70°	450.1	11.1
70°-80°	475.0	11.7
80°-90°	467.1	11.5
90°-100°	428.8	10.6
100°-110°	370.8	9.1
110°-120°	304.4	7.5
120°-130°	232.1	5.7
130°-140°	156.3	3.8
140°-150°	92.6	2.3
150°-160°	48.7	1.2
160°-170°	22.7	0.6
170°-180°	6.6	0.2
0°-90°	2400.6	59.1
0°-180°	4063.6	100.0



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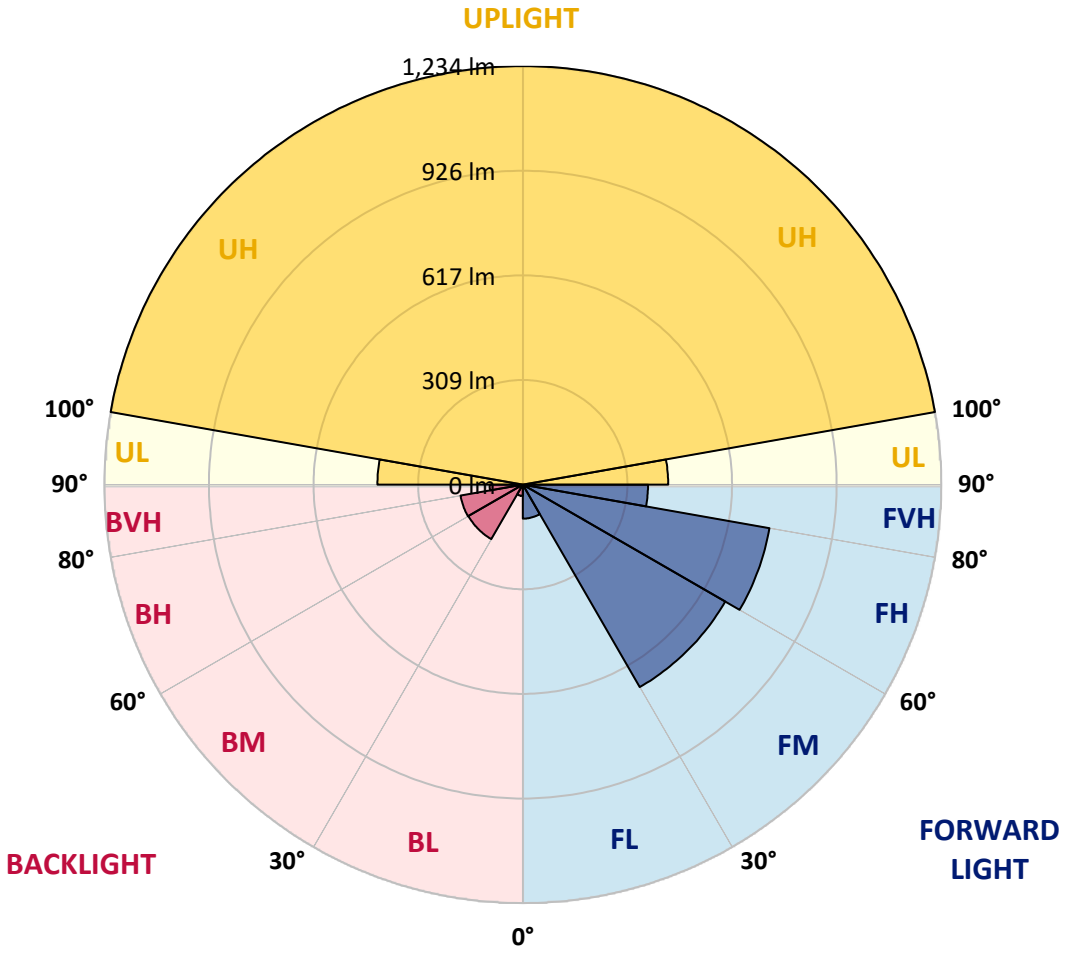
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	100.3	2.5			
FM	(30°-60°)	689.4	17.0			
FH	(60°-80°)	738.6	18.2			G1/1800
FVH	(80°-90°)	369.2	9.1			G3/500
BL	(0°-30°)	33.1	0.8	B0/110		
BM	(30°-60°)	185.5	4.6	B0/220		
BH	(60°-80°)	186.5	4.6	B1/500		G1/500
BVH	(80°-90°)	98.0	2.4			G1/100
UL	(90°-100°)	428.8	10.6		U3/500	
UH	(100°-180°)	1234.2	30.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2.5°	52.5	53.4	53.4	52.9	52.5	51.6	50.7	48.9	45.3	42.7	40.0
5°	76.0	76.0	76.5	76.0	74.2	72.5	68.5	65.4	59.6	55.1	50.2
7.5°	103.1	104.5	104.0	102.7	99.6	95.6	90.7	84.9	79.1	72.5	64.9
10°	133.4	132.9	132.9	131.2	127.6	122.3	116.9	110.3	101.8	93.4	83.6
12.5°	161.8	163.2	162.3	160.1	155.6	151.6	144.9	137.4	127.6	118.7	105.4
15°	192.5	193.4	193.4	192.1	188.1	182.3	174.7	167.6	154.7	142.3	129.4
17.5°	227.6	226.3	224.5	224.5	219.6	214.7	207.2	197.4	183.2	169.4	152.1
20°	262.8	262.3	260.1	258.8	255.6	248.5	238.8	227.6	213.4	197.8	177.4
22.5°	295.7	300.1	299.7	297.4	293.4	286.3	275.7	262.3	247.6	228.1	204.5
25°	342.3	339.7	340.1	337.9	334.3	325.9	315.2	299.7	281.9	260.1	233.4
27.5°	382.8	381.9	381.9	380.6	375.7	366.8	354.3	339.7	319.2	293.4	263.6
30°	429.5	427.3	426.4	425.0	420.1	410.4	397.5	379.2	357.0	330.8	295.7
32.5°	473.5	471.7	468.6	468.2	464.6	454.4	439.7	421.0	395.7	365.0	326.3
35°	515.7	516.6	515.3	513.1	508.2	498.4	484.2	461.5	436.6	401.0	359.2
37.5°	558.4	558.0	558.9	557.1	549.5	540.2	523.3	499.3	470.8	432.2	388.1
40°	600.2	598.0	597.5	595.8	590.4	581.1	562.0	537.5	505.5	465.5	415.7
42.5°	636.2	637.1	636.2	634.4	627.3	616.7	596.7	569.5	535.7	492.6	441.5
45°	674.0	672.7	672.2	672.2	662.9	651.8	630.0	602.0	564.2	518.0	463.7
47.5°	703.8	705.6	704.7	702.5	696.2	682.5	659.3	628.7	589.1	541.5	483.7
50°	731.8	734.0	734.5	732.3	724.7	709.6	685.6	651.3	611.3	561.1	501.1
52.5°	757.6	757.2	758.5	757.2	750.0	734.5	706.9	672.2	629.1	577.5	514.4
55°	777.6	777.6	778.5	776.7	770.0	752.7	724.3	687.4	643.3	590.4	526.0
57.5°	793.6	794.5	794.1	793.6	786.1	767.8	737.6	699.4	654.9	599.8	534.4
60°	806.1	806.5	806.5	805.6	798.1	778.9	748.3	708.7	662.5	607.8	541.1
62.5°	814.1	814.5	814.5	813.6	806.1	786.5	755.4	714.5	667.8	612.7	545.5
65°	819.0	819.4	819.4	818.5	811.0	790.9	758.9	717.6	670.5	615.3	548.2
67°	820.7	820.7	820.7	820.3	812.3	792.7	759.8	718.0	671.3	616.2	549.5
67.5°	820.3	820.3	820.7	819.8	812.3	792.3	759.4	718.0	670.9	616.2	549.5
70°	819.0	819.0	819.0	818.1	810.5	790.5	757.6	715.8	669.6	615.3	549.1
72.5°	814.1	814.5	814.5	813.6	806.1	786.5	753.6	711.8	666.0	612.7	547.7
75°	808.3	808.3	808.3	807.4	799.8	780.3	747.8	706.5	661.6	609.1	545.1
77.5°	799.8	799.8	799.8	798.9	791.4	772.3	740.3	699.8	655.8	604.2	542.0
80°	789.2	789.6	789.2	788.3	780.7	761.6	730.9	691.4	648.2	598.4	537.5
82.5°	776.7	777.2	776.7	774.9	767.8	749.6	718.9	680.2	639.3	590.9	532.2
85°	760.7	760.3	760.7	758.0	751.8	733.6	705.6	667.8	628.2	582.0	524.6
87.5°	742.5	742.9	742.0	740.7	733.1	715.4	688.7	653.6	615.3	571.3	515.7
90°	722.5	722.5	722.0	720.3	712.2	696.2	670.9	637.1	601.5	559.3	506.4
92.5°	702.0	701.6	700.2	699.4	692.2	675.8	651.3	621.1	587.8	547.3	496.6
95°	679.3	679.3	678.5	676.7	668.7	655.3	631.8	603.3	571.8	534.4	486.4
97.5°	655.3	654.9	654.5	651.8	644.7	631.3	612.2	584.6	555.8	520.6	474.8
100°	631.8	630.4	629.6	626.9	620.7	607.8	589.5	565.5	537.5	505.5	462.4
102.5°	604.2	604.2	603.8	601.1	593.1	582.4	566.0	544.6	520.6	489.9	449.0
105°	579.8	577.5	576.6	574.0	567.8	556.2	542.4	523.7	501.5	473.1	435.7
107.5°	552.2	550.4	550.0	546.0	541.1	530.4	518.8	501.5	482.8	457.5	421.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*524.2*	523.3	522.9	518.8	512.6	505.5	493.5	479.7	463.3	440.2	409.0
112.5°	*496.6*	495.7	495.7	492.6	486.8	477.9	469.5	457.5	442.8	422.8	393.9
115°	*469.5*	468.2	467.7	464.2	458.4	451.7	443.3	434.8	422.4	405.5	379.2
117.5°	*442.4*	440.6	441.0	437.9	433.5	426.8	418.8	413.0	402.4	386.8	364.6
120°	*414.4*	414.8	414.8	410.8	406.8	401.5	394.8	389.0	381.9	368.1	347.7
122.5°	*387.7*	388.6	388.6	385.9	381.0	376.1	371.7	366.4	360.1	349.5	331.2
125°	*361.0*	362.8	361.9	359.7	355.7	350.3	347.2	342.8	337.9	329.0	313.0
127.5°	*336.6*	336.6	334.3	334.8	330.8	326.3	323.7	320.6	315.7	307.2	294.3
130°	*311.2*	311.7	312.1	309.4	305.9	302.3	299.7	298.3	294.3	287.2	274.3
132.5°	*288.1*	288.1	287.2	285.4	282.3	279.7	279.7	275.7	272.5	265.9	254.8
135°	*265.4*	265.0	265.0	263.2	261.0	259.6	256.5	254.8	251.6	245.4	237.0
137.5°	*243.2*	244.1	243.2	241.9	239.6	237.9	235.6	235.2	230.7	226.3	217.0
140°	*221.9*	223.2	221.9	221.4	219.6	217.4	216.1	214.3	213.0	207.2	199.2
142.5°	*201.8*	202.7	201.8	201.4	200.1	198.3	197.4	196.1	193.0	189.4	182.7
145°	*184.5*	184.1	184.1	183.6	181.8	180.5	179.2	178.3	176.5	172.9	165.4
147.5°	*167.6*	166.3	167.2	166.3	164.9	164.1	163.6	161.8	160.1	156.5	151.2
150°	*150.3*	151.2	150.7	150.3	148.9	148.9	147.6	146.3	144.9	140.9	137.4
152.5°	*136.0*	136.0	136.5	135.6	135.2	133.8	132.9	132.5	130.7	128.0	124.0
155°	*124.0*	123.6	123.6	123.6	122.7	121.4	120.9	120.0	119.2	116.0	112.5
157.5°	*112.5*	112.5	112.5	112.0	112.0	110.7	110.3	108.9	107.6	105.8	102.7
160°	*102.7*	102.7	102.3	102.3	101.8	101.4	100.5	99.1	98.3	96.9	94.3
162.5°	*94.7*	94.3	94.3	93.8	93.4	92.5	92.0	91.6	90.3	88.9	86.7
165°	*87.1*	87.1	87.1	86.7	86.3	85.8	85.4	84.5	83.6	82.7	81.4
167.5°	*81.4*	81.4	81.4	80.9	80.9	80.5	80.0	79.1	78.2	77.4	76.5
170°	*76.9*	76.9	76.9	76.5	76.0	75.6	75.1	74.7	74.2	73.4	72.9
172.5°	*73.4*	73.4	73.4	73.4	72.5	72.0	71.6	71.6	71.1	70.7	70.2
175°	*70.2*	70.2	70.2	70.2	69.8	69.4	68.9	68.9	68.5	68.0	67.6
177.5°	*68.5*	68.5	68.5	68.0	68.0	67.6	67.1	67.1	66.7	66.7	66.2
180°	*66.2*	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2.5°	38.2	36.5	33.3	30.7	28.5	26.2	24.9	23.6	23.6	24.0	23.1
5°	46.2	43.1	37.3	31.1	25.8	21.3	17.8	14.7	12.0	10.7	10.7
7.5°	61.4	57.8	49.8	41.8	34.2	27.1	21.3	16.5	12.4	10.2	9.8
10°	78.7	74.7	63.6	53.8	44.5	35.6	28.0	21.3	16.9	14.7	14.2
12.5°	98.7	93.4	80.0	67.6	55.6	44.5	35.1	27.6	23.1	20.9	20.5
15°	121.8	113.4	98.3	82.7	67.1	53.4	42.2	33.8	28.9	25.8	25.8
17.5°	142.7	133.8	115.6	95.6	77.8	61.8	48.5	38.2	31.6	28.5	28.0
20°	166.7	154.7	132.9	109.8	88.0	68.5	52.5	40.9	32.9	28.9	28.9
22.5°	191.2	178.7	152.1	124.0	97.8	74.7	56.5	42.7	33.8	29.3	28.9
25°	220.1	203.2	171.2	139.6	108.9	81.4	60.0	44.5	34.7	30.2	29.3
27.5°	248.1	230.7	193.4	155.2	119.2	88.0	63.1	46.2	35.6	30.7	30.2
30°	277.4	256.1	213.9	171.2	129.8	93.8	66.2	47.6	36.0	31.1	30.2
32.5°	306.8	283.2	236.5	186.7	140.0	99.1	68.9	48.5	36.9	31.6	30.7
35°	336.6	311.2	258.3	202.3	149.4	104.0	70.7	49.4	37.3	31.6	31.1
37.5°	362.3	335.7	278.8	216.5	157.4	108.0	72.5	50.2	37.3	32.0	31.6
40°	388.1	359.2	296.5	228.5	164.5	111.2	73.8	50.7	37.8	32.5	32.0
42.5°	411.3	379.2	312.1	239.2	170.3	113.4	74.2	50.7	38.2	32.9	32.5
45°	432.2	399.7	326.8	249.4	175.2	114.7	74.7	51.1	38.7	33.3	32.9
47.5°	451.3	416.6	340.1	257.9	179.2	116.0	74.7	51.1	39.1	34.2	33.3
50°	467.3	430.8	351.2	265.0	181.8	116.5	74.2	51.1	39.6	34.7	34.2
52.5°	479.7	442.8	360.6	269.9	183.6	116.0	73.8	51.1	40.0	35.1	34.7
55°	490.4	452.6	367.2	273.9	184.1	115.2	73.4	51.1	40.5	36.0	35.6
57.5°	498.4	459.7	373.0	277.0	184.5	114.3	72.5	51.1	40.9	36.5	36.0
60°	504.6	465.9	377.5	278.8	184.1	112.9	72.0	51.1	41.3	37.3	36.9
62.5°	509.1	469.5	380.1	279.2	182.7	111.6	71.1	51.1	41.8	38.2	37.8
65°	511.7	472.2	382.4	279.7	181.4	110.3	70.7	51.6	42.7	39.6	39.1
67°	*512.6*	*473.5*	*382.8*	*279.7*	*180.5*	*109.4*	*70.7*	*52.0*	*43.6*	*40.0*	*39.6*
67.5°	513.1	473.5	382.8	279.2	180.1	109.4	70.7	52.0	43.6	40.5	40.0
70°	512.6	473.5	382.8	278.3	178.7	108.5	70.2	52.9	44.9	41.8	41.3
72.5°	511.7	472.6	381.9	277.0	177.0	107.6	70.7	53.8	46.2	43.1	42.7
75°	509.5	470.8	380.1	275.2	175.6	106.7	71.1	54.7	47.6	44.9	44.5
77.5°	507.3	468.6	378.8	273.4	174.3	106.7	71.6	56.0	49.4	46.7	46.2
80°	503.3	465.5	376.1	271.7	172.9	106.3	72.5	57.8	51.1	48.5	48.0
82.5°	498.4	461.1	372.6	269.0	171.6	106.3	73.8	59.1	52.9	50.2	49.8
85°	491.7	455.3	368.1	265.4	170.3	106.7	74.7	60.9	54.7	52.5	52.0
87.5°	484.2	448.2	362.8	262.3	168.9	106.7	76.0	62.7	56.5	54.2	54.2
90°	475.3	440.6	356.6	258.8	167.6	107.6	77.8	64.5	58.7	56.5	56.5
92.5°	467.3	432.6	351.7	255.2	166.7	108.5	79.6	66.7	60.9	58.7	58.7
95°	456.6	424.1	344.6	252.1	166.3	109.4	81.4	68.9	63.6	61.4	60.9
97.5°	446.4	414.8	338.3	248.5	165.8	111.2	83.6	71.6	65.8	63.6	63.6
100°	435.3	405.5	331.2	245.4	165.8	113.4	86.7	74.2	68.9	66.7	66.2
102.5°	424.6	395.2	324.1	242.3	166.7	115.6	89.8	77.4	72.0	69.8	69.4
105°	412.6	384.6	317.9	239.6	167.6	118.7	93.4	81.4	75.6	73.4	72.9
107.5°	400.6	374.8	310.8	237.4	169.4	122.7	97.8	85.4	79.6	76.9	76.5

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

Scaled Data Report

REPORT NUMBER: P1045837
CATALOG NUMBER: FFX-CLB-40-727-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	387.7	364.1	304.6	235.6	172.1	127.2	102.7	90.7	84.0	81.4	80.9
112.5°	375.7	353.5	297.9	234.3	174.7	132.5	108.5	95.6	89.4	85.8	85.4
115°	362.3	342.3	291.7	233.0	177.8	137.8	114.7	100.9	94.3	90.7	90.7
117.5°	349.5	330.8	284.5	231.6	181.0	143.6	120.5	106.7	99.1	95.6	95.1
120°	334.3	318.3	277.0	229.0	182.7	148.1	125.4	111.6	103.1	99.6	99.1
122.5°	319.2	304.6	267.2	225.0	183.2	150.7	128.9	115.6	106.7	102.7	102.3
125°	301.9	289.4	257.0	218.7	181.8	152.1	131.2	116.9	108.0	103.6	103.1
127.5°	285.0	273.0	245.0	211.2	178.3	150.7	130.7	116.9	108.0	103.1	102.7
130°	266.8	256.1	230.7	201.8	172.5	147.6	128.9	115.2	106.3	101.4	100.9
132.5°	248.1	239.2	217.0	191.6	165.4	142.7	124.9	112.0	103.1	98.7	98.3
135°	229.9	221.9	202.7	180.1	157.8	136.9	120.5	108.0	99.1	95.1	95.1
137.5°	212.5	205.0	188.1	168.9	148.9	130.3	115.2	103.1	95.6	91.6	90.7
140°	194.7	188.5	173.8	156.9	139.6	123.2	109.4	98.3	91.1	87.6	87.1
142.5°	178.3	172.9	160.5	146.7	130.7	116.5	103.6	94.3	87.6	84.0	83.6
145°	162.7	157.8	147.2	134.7	121.8	109.4	97.8	89.4	83.6	80.9	80.5
147.5°	147.2	144.1	135.2	124.9	112.9	101.8	92.5	85.4	80.0	77.8	77.4
150°	134.3	130.3	123.6	114.3	104.9	95.6	87.6	81.4	77.4	75.1	75.1
152.5°	121.4	119.2	112.5	105.4	97.4	89.8	82.7	77.8	74.7	72.9	72.9
155°	111.6	108.5	102.7	96.9	90.3	84.0	79.1	75.1	72.5	71.1	70.7
157.5°	101.4	99.6	95.1	89.8	84.9	80.0	76.0	72.9	70.7	69.8	69.4
160°	92.9	91.6	88.0	84.0	80.0	76.5	73.4	71.1	69.4	68.5	68.5
162.5°	85.8	84.9	81.8	79.1	76.0	73.4	71.1	69.4	68.5	68.0	68.0
165°	80.5	79.6	77.4	75.1	73.4	71.1	69.8	68.5	67.6	67.6	67.6
167.5°	76.0	75.1	73.8	72.5	71.1	69.4	68.5	67.6	67.6	67.1	67.1
170°	72.5	72.0	70.7	69.8	68.9	68.0	67.6	67.1	66.7	66.7	66.7
172.5°	69.8	69.4	68.5	68.0	67.1	66.7	66.7	66.7	66.7	66.7	66.7
175°	67.6	67.1	67.1	66.7	66.2	66.2	65.8	66.2	66.2	66.2	66.2
177.5°	66.2	66.2	65.8	65.8	65.8	65.8	65.8	66.2	66.2	66.7	66.7
180°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2

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

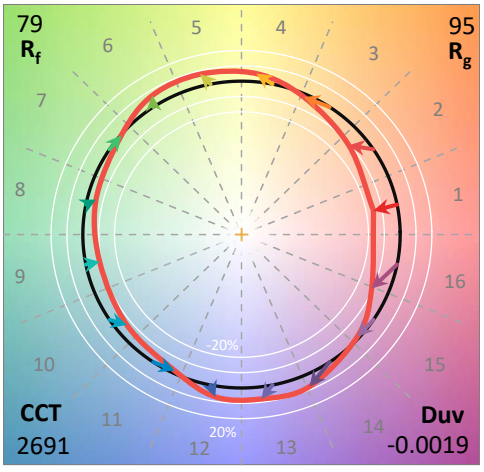
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

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

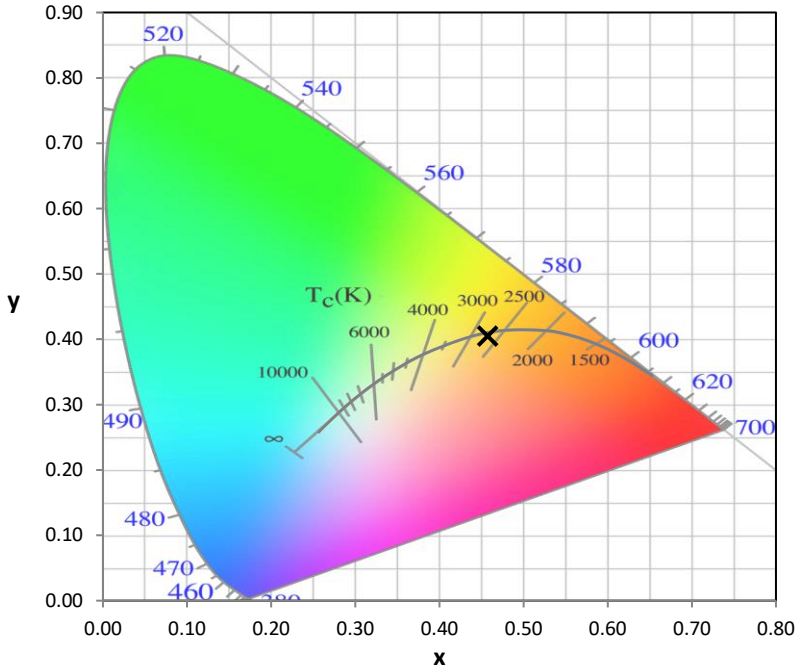
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

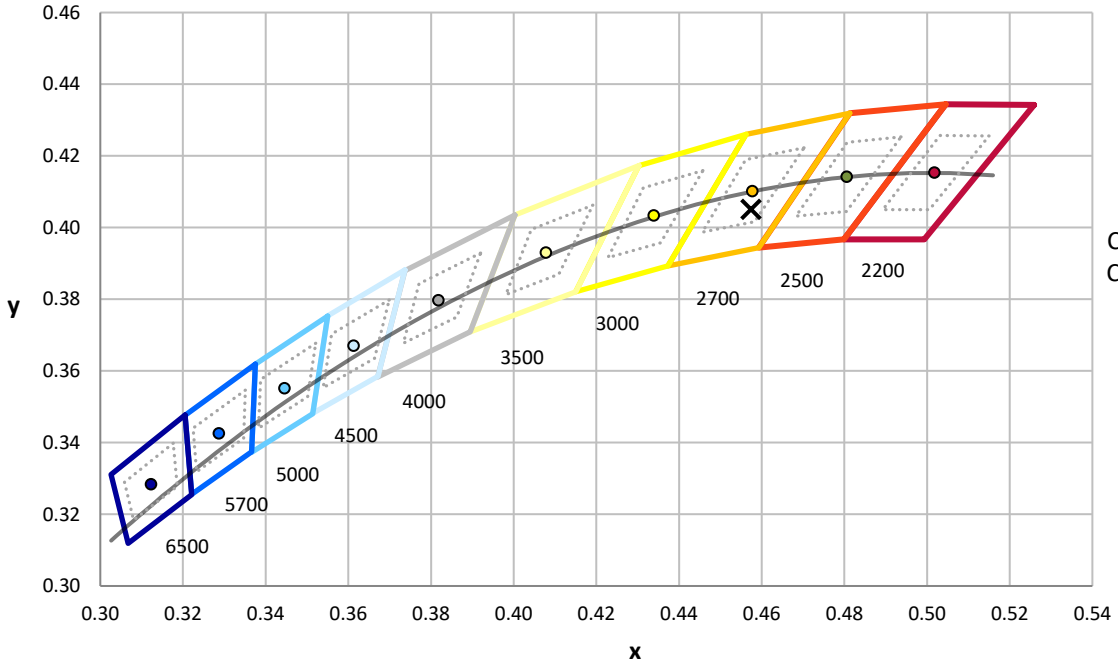
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

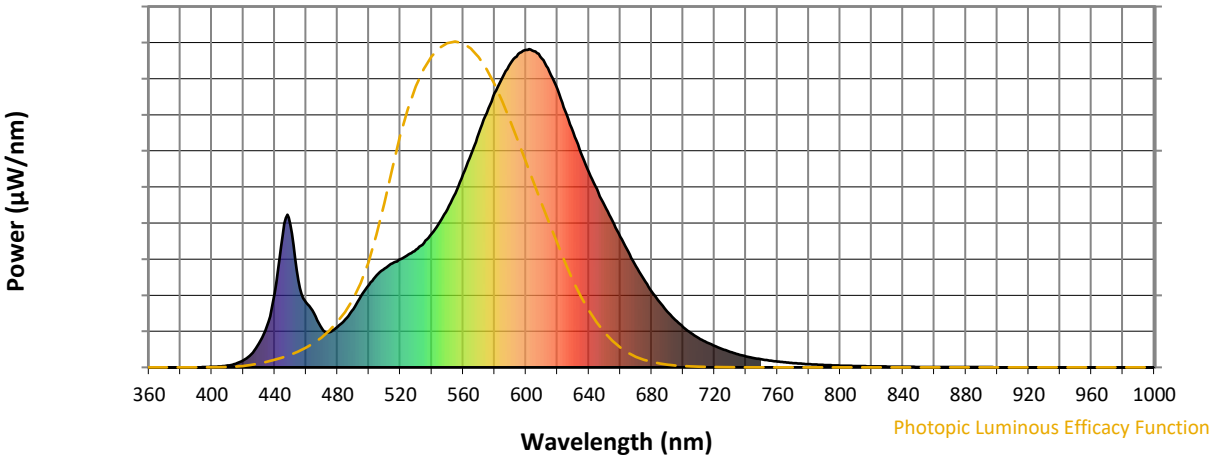


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

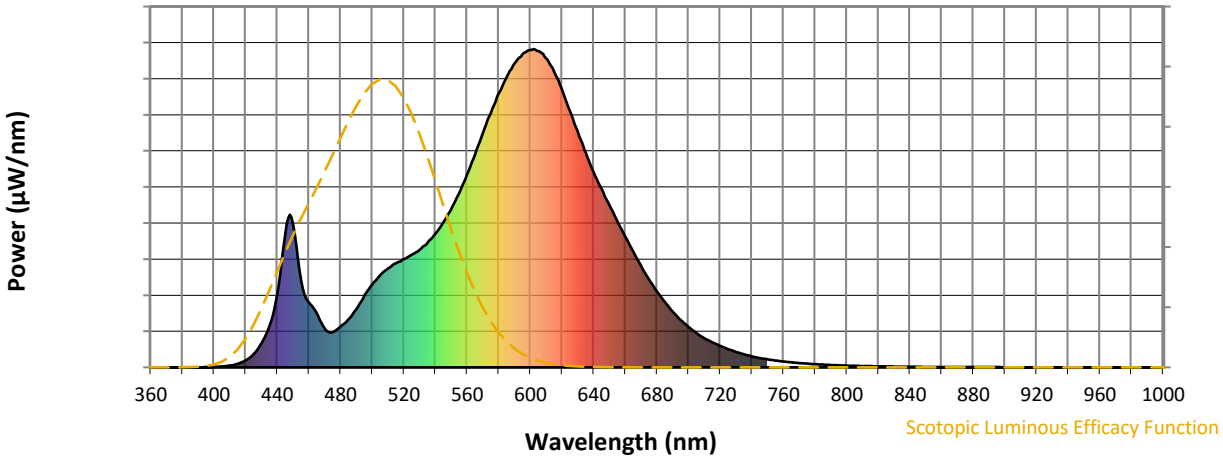


Photopic Lumens: NR

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

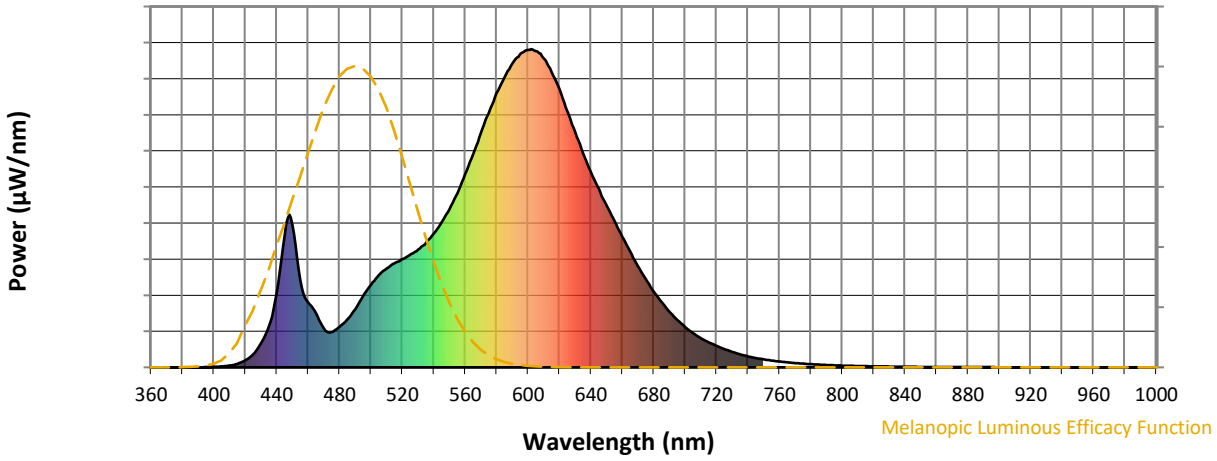


Scotopic Lumens: NR **S/P: 1.18**

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			

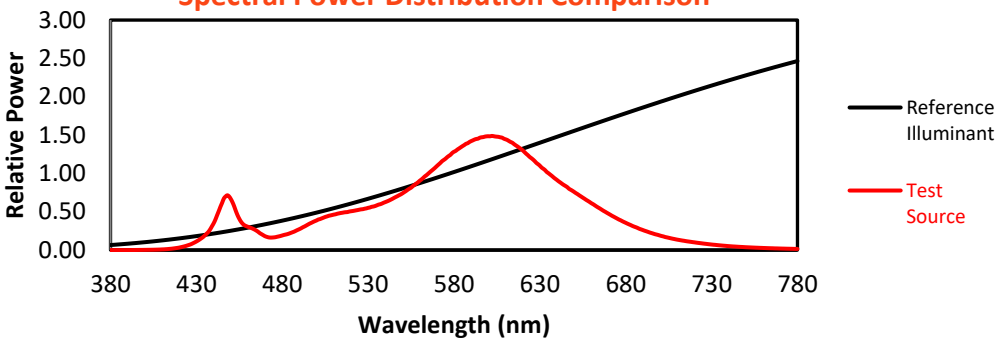
REPORT NUMBER: SP1-2501-332-8

TM-30-18

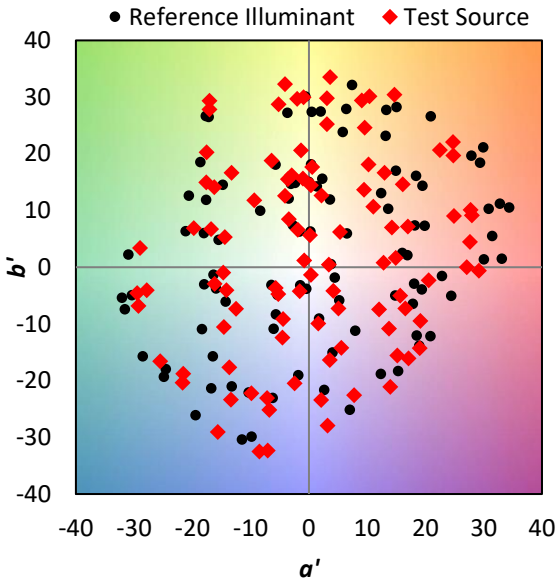
Summary

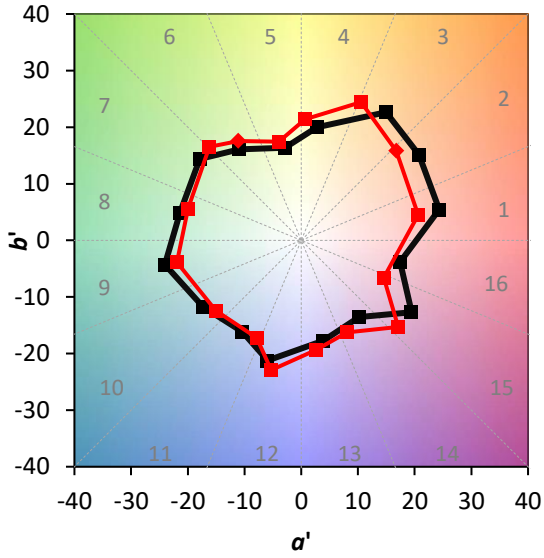
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

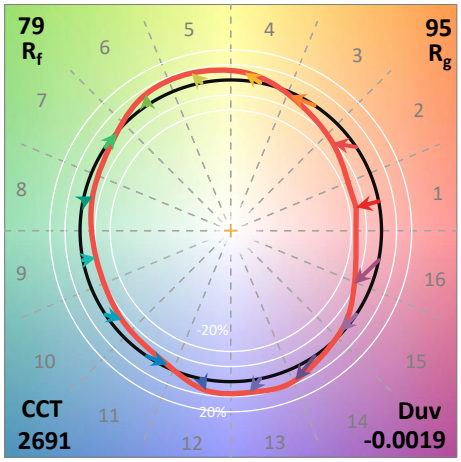
Spectral Power Distribution Comparison

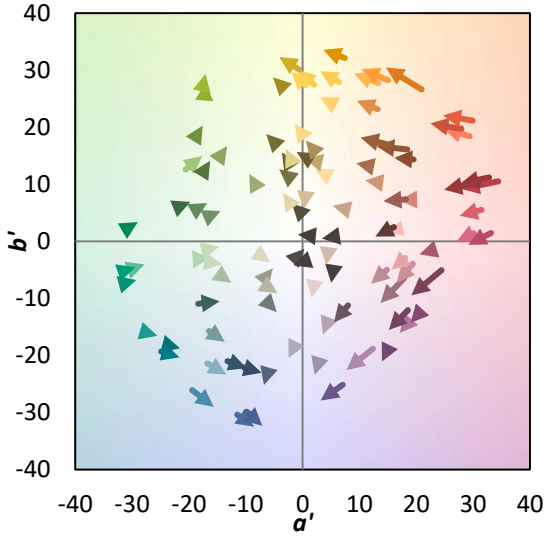


Color Vector Graphics







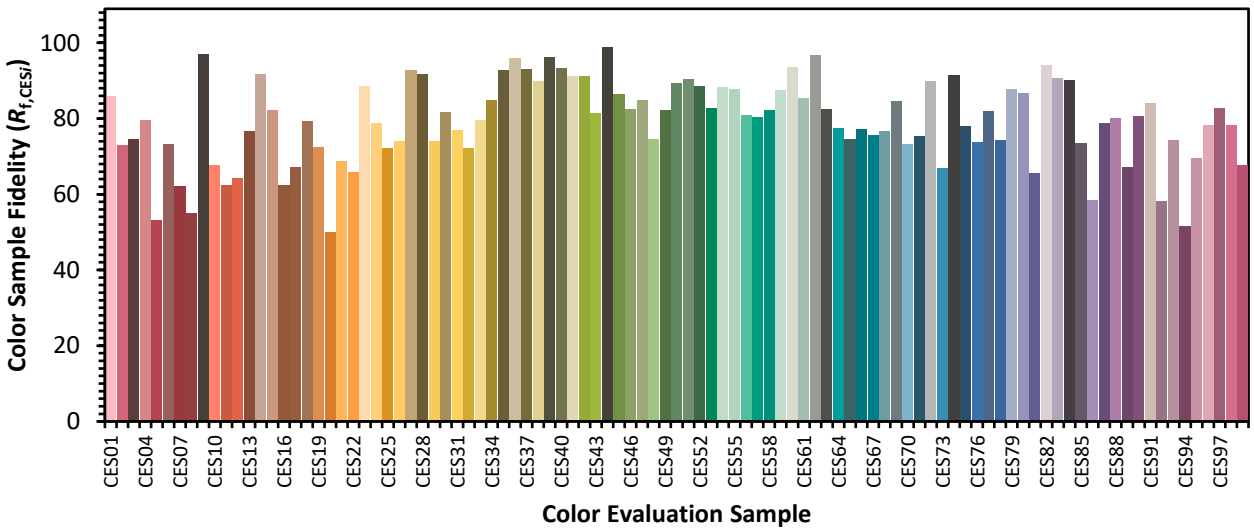


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

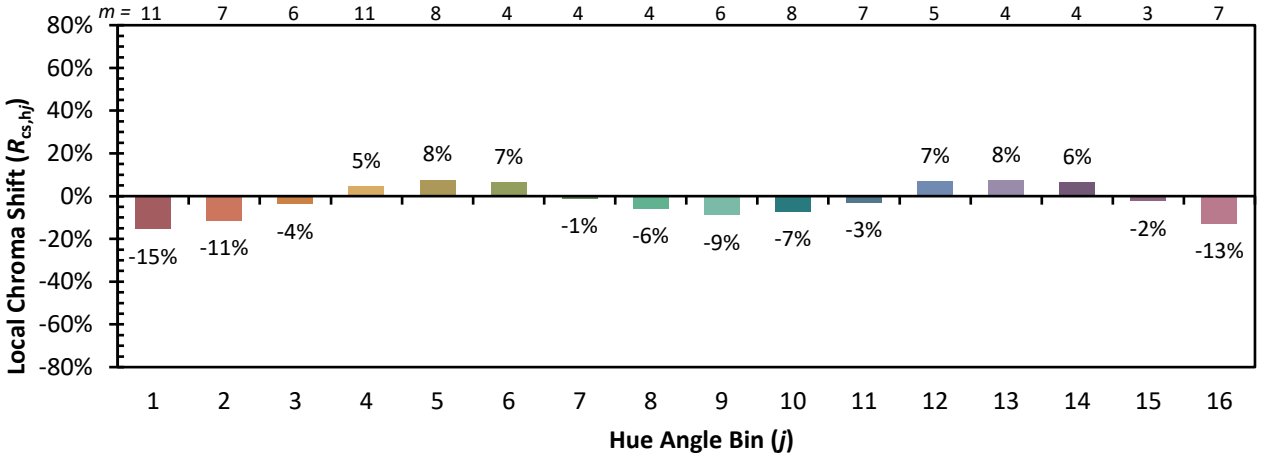
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 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	

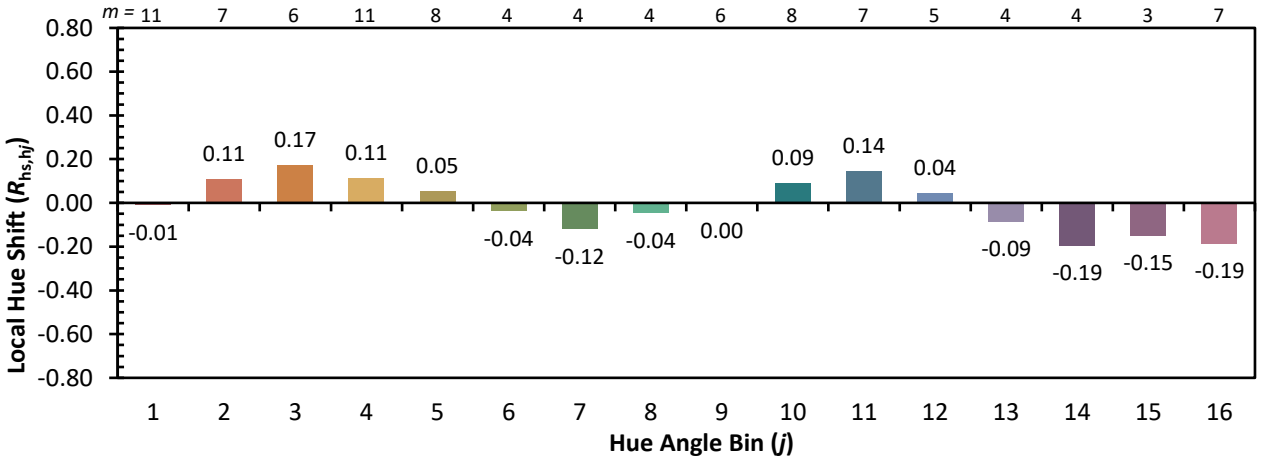


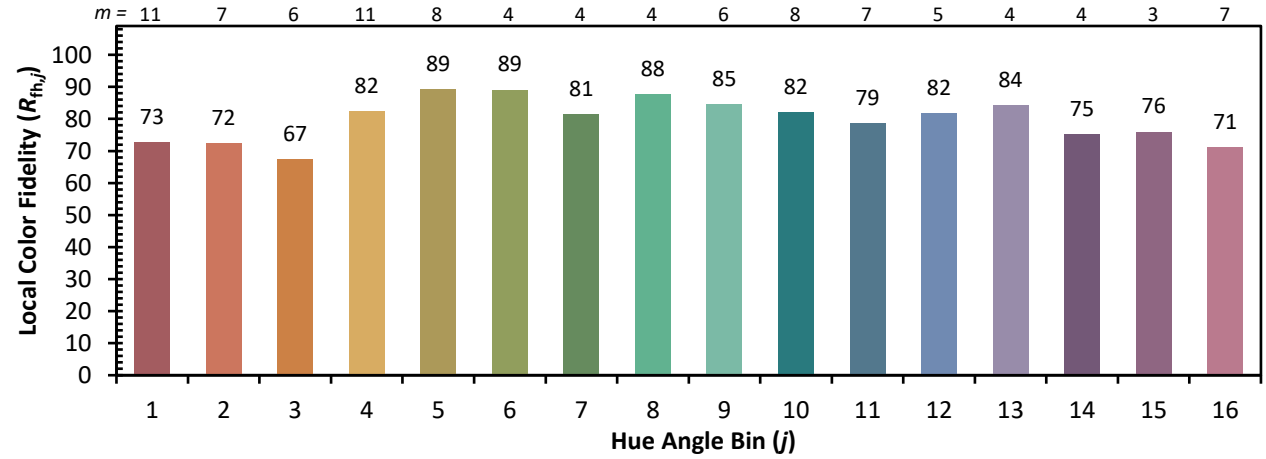
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Color Rendition by Hue-Angle Bin



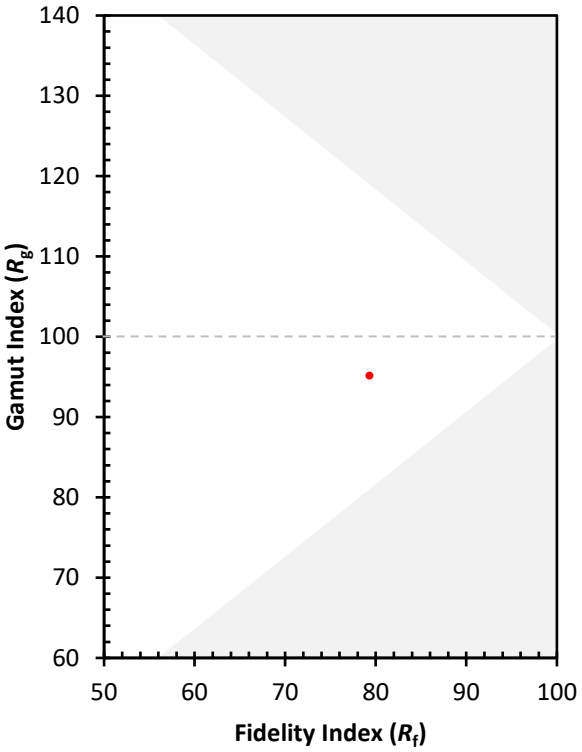


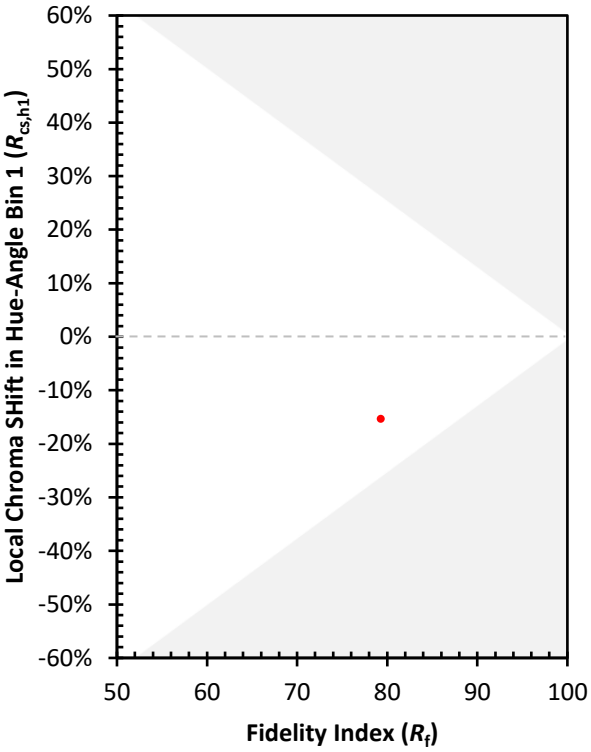


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Measure Comparisons





(END OF REPORT)