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: P1046555

Luminaire Tested: **FFX-CLB-60-727-U-FR-T3-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046555
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7935.4 lumens
Efficiency:	N/A
Efficacy:	130.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - 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

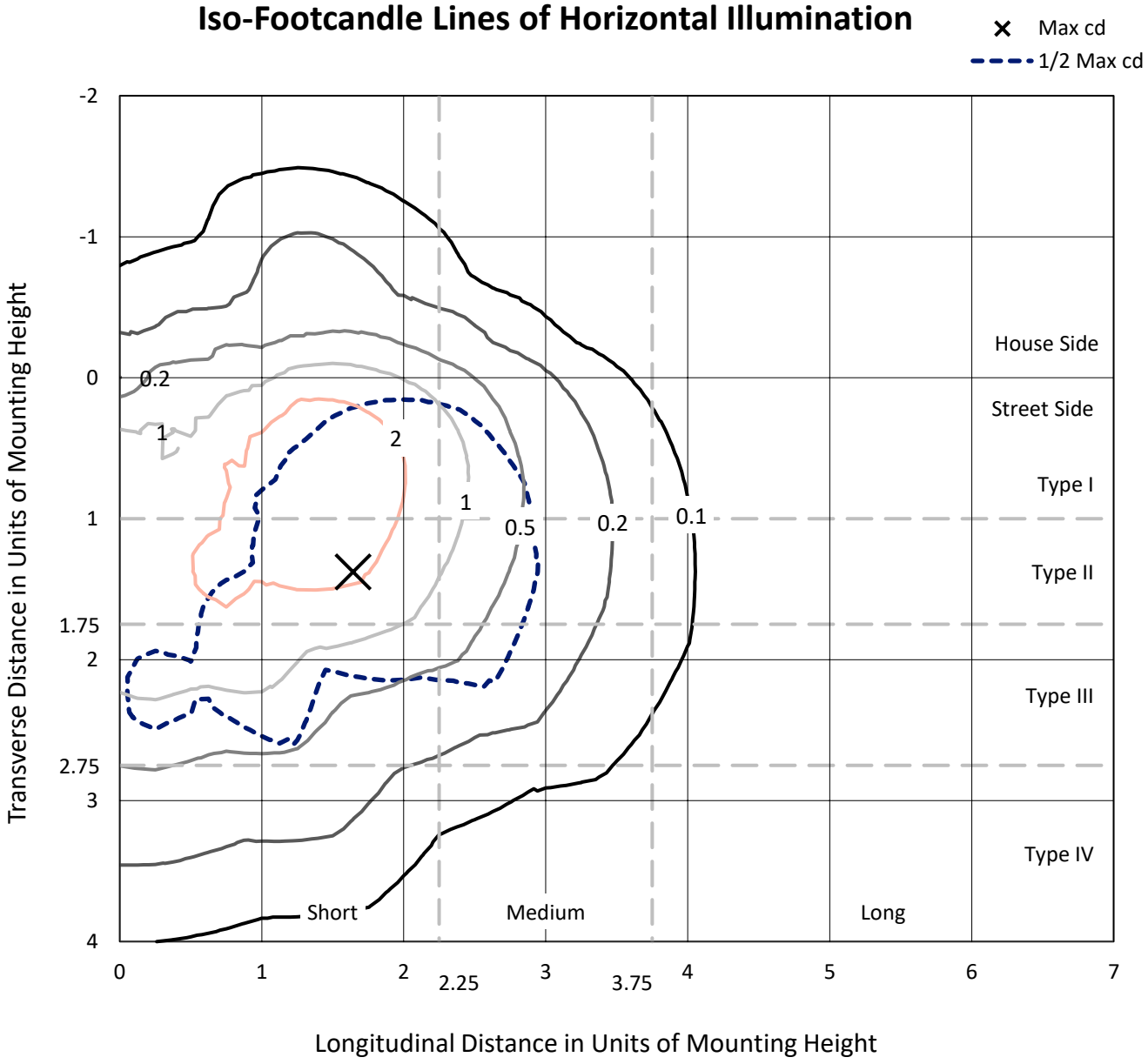


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Iso-Footcandle Lines of Horizontal Illumination



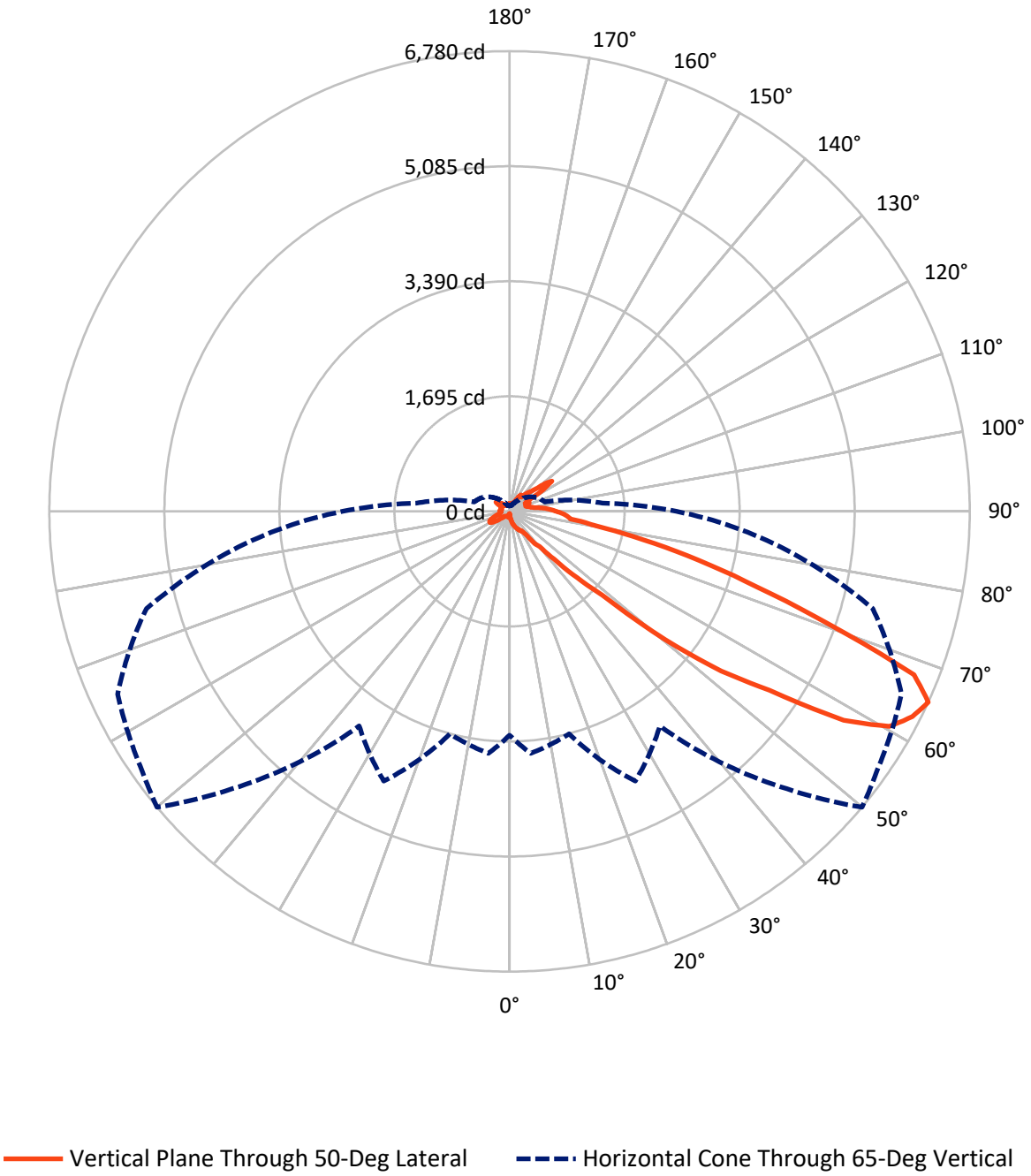
Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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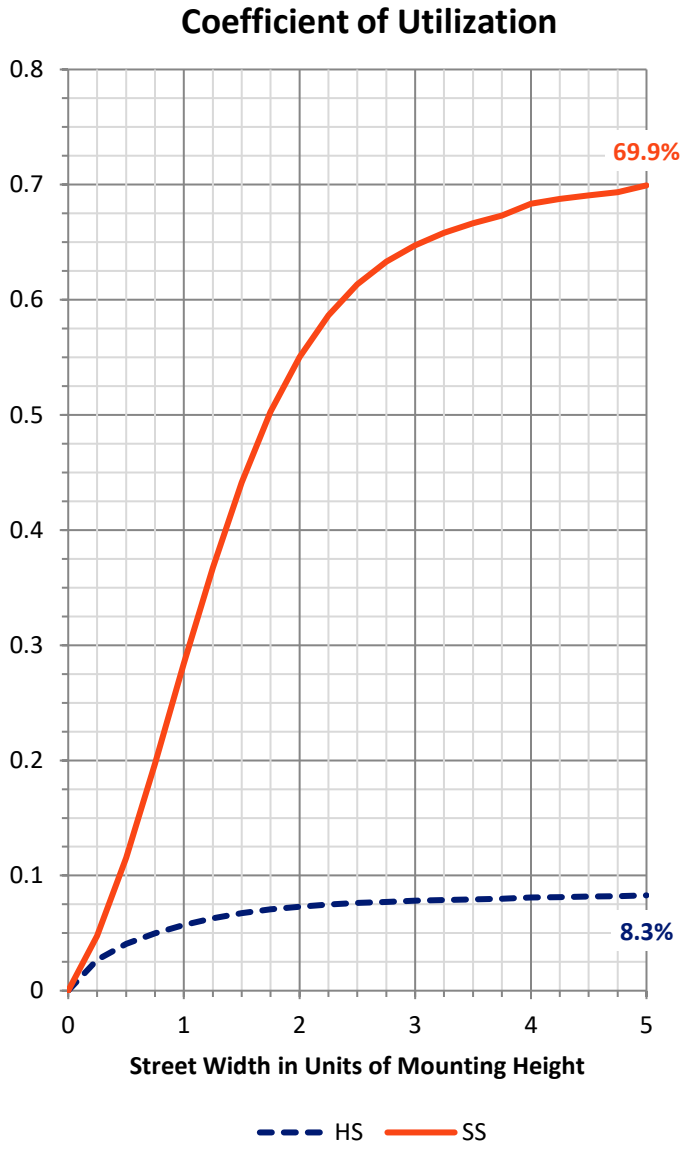
REPORT NUMBER: P1046555
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.1	458.2	1154.3
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	5740.2	1040.9	6781.1
	% Fixture	72.3	13.1	85.5
Total	Lumens	6436.3	1499.1	7935.4
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	41.4	0.5
20°-30°	88.4	1.1
30°-40°	176.6	2.2
40°-50°	462.6	5.8
50°-60°	1532.6	19.3
60°-70°	2417.0	30.5
70°-80°	1262.0	15.9
80°-90°	448.1	5.6
90°-100°	289.2	3.6
100°-110°	195.1	2.5
110°-120°	222.6	2.8
120°-130°	368.9	4.6
130°-140°	210.7	2.7
140°-150°	115.4	1.5
150°-160°	56.5	0.7
160°-170°	29.9	0.4
170°-180°	10.8	0.1
0°-90°	6436.3	81.1
0°-180°	7935.4	100.0



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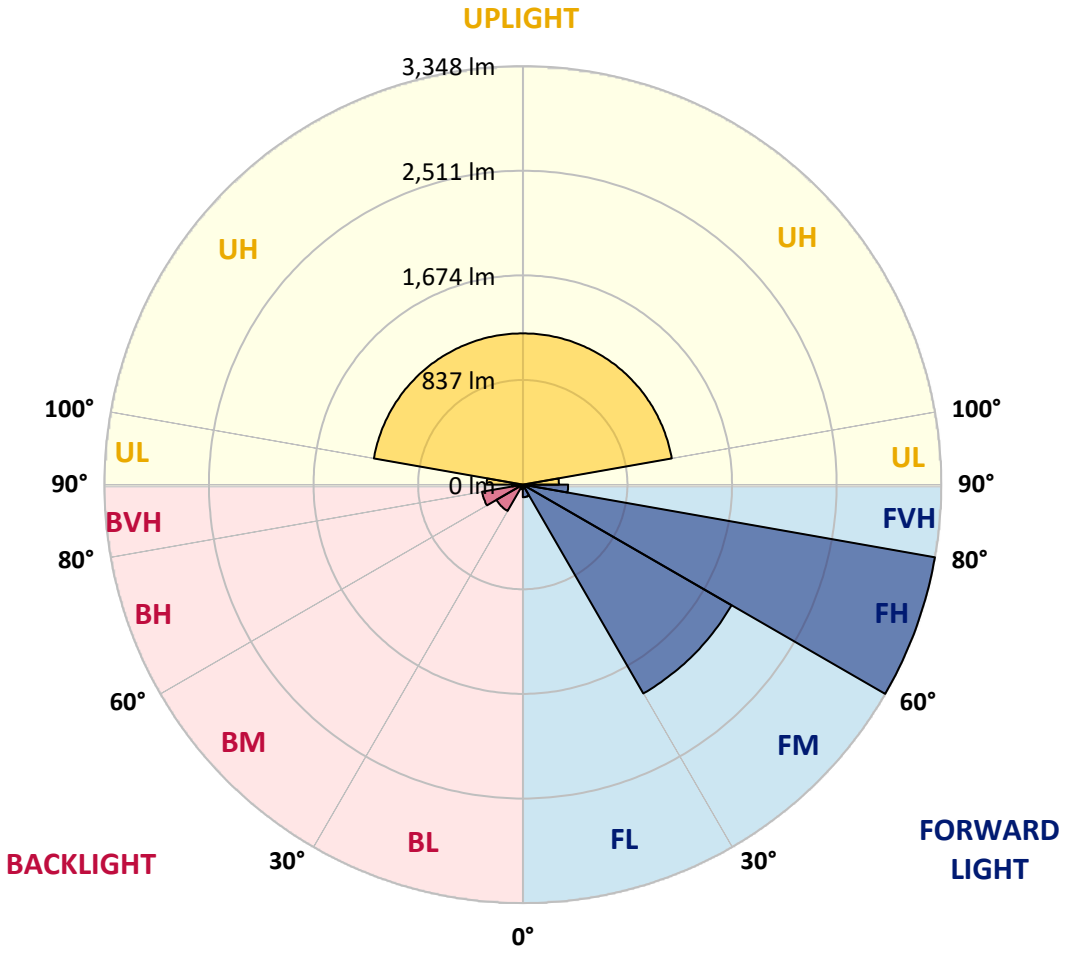
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	100.9	1.3			
FM	(30°-60°)	1928.4	24.3			
FH	(60°-80°)	3348.0	42.2			G2/5000
FVH	(80°-90°)	362.9	4.6			G3/500
BL	(0°-30°)	36.5	0.5	B0/110		
BM	(30°-60°)	243.3	3.1	B1/1000		
BH	(60°-80°)	331.0	4.2	B1/500		G1/500
BVH	(80°-90°)	85.3	1.1			G1/100
UL	(90°-100°)	289.2	3.6		U3/500	
UH	(100°-180°)	1209.9	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	53.8	53.3	54.4	56.1	55.5	53.8	52.7	52.2	50.5	49.9	48.2
5°	79.6	79.1	78.0	79.1	79.6	77.4	76.3	73.5	70.7	65.6	62.8
7.5°	111.6	112.2	113.3	110.5	109.4	104.3	103.2	100.4	95.9	89.7	88.0
10°	151.4	152.0	154.8	150.3	143.0	136.8	135.7	136.8	141.9	126.2	116.7
12.5°	190.7	189.0	197.4	195.2	185.6	176.7	172.2	172.7	170.5	158.7	143.0
15°	227.1	227.1	233.3	235.5	225.4	204.7	198.0	196.3	195.2	182.8	161.0
17.5°	250.1	251.2	251.8	251.8	248.4	231.1	223.2	219.8	209.7	198.5	178.3
20°	269.2	269.8	264.7	265.3	270.3	255.2	247.3	240.6	229.9	218.2	192.9
22.5°	295.6	294.4	286.6	283.2	294.4	281.5	273.1	265.8	252.9	239.5	216.5
25°	324.7	323.6	315.7	307.3	315.2	303.4	294.4	287.7	275.9	266.9	219.8
27.5°	352.8	351.6	338.2	337.1	330.3	324.7	315.2	313.5	304.5	278.2	218.2
30°	373.5	372.4	357.8	358.4	341.0	345.5	331.4	330.3	319.7	284.9	222.1
32.5°	381.4	382.5	376.3	373.5	350.0	367.9	355.0	350.5	347.7	302.8	241.7
35°	410.0	418.9	428.5	431.8	410.5	444.2	417.8	414.4	421.2	368.5	301.7
37.5°	630.4	625.9	590.5	540.6	529.4	603.4	599.5	602.3	597.8	524.4	399.3
40°	630.9	633.7	611.3	581.0	545.7	621.4	679.2	628.1	702.7	571.5	438.0
42.5°	662.9	653.9	707.2	719.0	679.7	792.4	962.9	770.6	931.5	696.5	596.1
45°	784.6	784.6	794.1	799.7	785.7	1068.9	1398.7	1075.1	1245.0	871.5	715.6
47.5°	910.2	899.6	954.0	1045.4	1099.8	1375.7	1846.2	1420.6	1688.6	1171.5	993.2
50°	1269.1	1284.3	1388.6	1495.1	1576.5	2048.1	2972.3	2433.9	2758.1	1801.3	1516.5
52.5°	1547.9	1636.5	1716.7	2015.6	2052.0	2798.5	3907.2	3265.6	3533.7	2531.0	1877.6
55°	1835.6	2011.1	2058.8	2586.5	2628.0	3596.0	4651.4	4136.6	4212.3	3336.9	2229.3
57.5°	2362.7	2607.8	2624.1	3187.1	3185.4	4632.9	5807.3	5386.7	5329.5	4249.3	2768.2
60°	2816.4	3095.7	2995.9	3776.0	3601.0	5397.3	6433.7	6009.7	5884.7	4981.2	3147.3
62.5°	3091.8	3364.3	3241.5	4164.1	3866.3	5763.0	6660.3	6413.0	6199.8	5424.2	3456.3
65°	3297.0	3578.0	3394.1	4384.5	3861.2	5780.9	6780.3	6620.5	6370.9	5539.8	3524.2
67.5°	3270.1	3544.4	3324.0	4297.0	3591.5	5264.4	6427.5	6228.4	5920.0	5093.9	3295.9
70°	2835.5	3000.9	2758.7	3659.9	2871.4	4072.1	5007.0	4892.0	4595.3	3899.4	2549.5
72.5°	2386.8	2427.8	2200.6	2864.7	2238.8	2966.7	3804.6	3681.8	3487.2	2893.8	1927.0
75°	1843.4	1843.4	1713.3	2147.9	1663.4	2105.3	2879.8	2848.4	2728.4	2171.5	1463.2
77.5°	1245.0	1180.0	1160.3	1450.8	1149.1	1389.1	2004.9	2079.0	2047.5	1554.6	1066.7
80°	725.7	741.4	713.9	895.6	756.0	908.5	1286.5	1384.1	1381.3	1032.5	699.9
82.5°	565.9	577.1	548.5	644.9	577.1	715.0	901.8	895.6	916.9	748.1	526.6
85°	557.5	565.9	536.1	596.1	554.1	679.2	847.4	845.7	841.2	692.6	494.6
87.5°	507.0	518.2	492.4	540.6	502.5	620.3	770.0	779.0	766.1	649.4	475.6
90°	424.0	435.8	424.5	480.6	441.4	535.0	669.6	676.3	665.1	578.8	429.0
92.5°	381.4	389.2	375.7	424.5	383.0	470.0	591.7	595.6	578.2	509.2	371.3
95°	351.6	359.5	342.7	378.6	338.2	414.4	503.6	516.5	490.7	429.6	316.3
97.5°	292.2	287.1	280.4	311.3	279.8	326.4	385.3	394.8	378.6	333.1	251.8
100°	252.9	254.6	251.8	274.2	245.6	280.4	326.4	330.3	323.6	290.5	227.7
102.5°	245.1	245.6	250.7	265.8	232.7	258.0	297.2	299.5	297.8	266.4	210.3
105°	242.8	242.3	245.1	261.3	227.1	236.1	273.7	274.8	269.2	247.9	196.8
107.5°	229.4	231.1	230.5	245.1	223.2	224.3	248.4	247.9	246.8	227.1	186.2
110°	263.0	260.2	248.4	249.0	227.7	233.3	257.4	254.6	249.0	237.2	203.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	374.1	366.2	352.8	308.4	286.0	301.7	*318.0*	320.8	314.6	304.0	256.9
115°	415.0	413.9	398.7	369.6	295.6	301.2	*311.8*	316.3	323.6	302.8	263.0
117.5°	340.4	358.9	335.4	339.3	297.2	261.3	*259.7*	250.7	254.6	252.4	243.4
120°	429.6	433.0	385.3	376.3	347.1	358.9	*359.5*	360.6	348.8	292.2	257.4
122.5°	604.0	604.0	617.5	642.1	627.0	605.7	*593.3*	581.0	564.7	510.9	436.9
125°	766.1	765.0	757.7	770.0	754.9	763.3	*767.2*	770.6	753.2	687.6	586.6
127.5°	617.5	633.2	659.5	726.3	684.2	672.4	*661.2*	669.1	656.2	643.8	581.0
130°	478.4	480.1	523.2	565.9	562.5	524.9	*512.0*	489.6	494.6	493.0	455.4
132.5°	408.8	411.1	436.3	460.4	480.6	453.1	*427.9*	416.1	420.1	417.2	393.1
135°	357.2	357.2	348.3	345.5	362.3	387.5	*384.7*	369.6	362.3	353.9	318.0
137.5°	309.0	307.9	291.6	282.7	296.1	328.6	*330.9*	330.9	323.6	303.4	277.6
140°	254.6	252.9	244.5	246.2	249.6	271.4	*273.1*	278.2	277.0	260.8	229.4
142.5°	192.9	193.5	205.8	219.8	227.7	274.8	*267.5*	261.9	279.8	278.7	200.2
145°	257.4	251.8	251.8	245.6	264.1	310.7	*296.1*	300.6	324.2	302.3	216.5
147.5°	236.1	238.9	239.5	238.3	261.9	264.7	*254.1*	254.6	263.0	263.0	221.5
150°	182.8	178.3	179.5	181.7	206.4	204.7	*195.2*	194.6	201.3	199.7	181.1
152.5°	144.7	144.1	143.6	145.8	166.0	157.6	*153.7*	152.0	150.9	149.2	144.7
155°	136.3	135.7	134.6	137.4	149.2	145.3	*143.0*	143.0	140.2	137.4	134.6
157.5°	121.1	120.6	121.1	126.7	133.5	129.0	*128.4*	127.9	126.7	123.4	122.3
160°	113.3	112.7	113.8	118.3	121.1	117.2	*116.1*	116.7	116.1	114.4	116.7
162.5°	107.1	107.1	107.1	109.9	111.0	108.2	*107.7*	108.2	108.8	108.8	111.6
165°	103.8	103.8	104.3	106.0	106.0	104.9	*103.8*	103.8	106.6	107.7	109.9
167.5°	106.0	106.0	106.6	107.1	107.1	106.0	*106.0*	106.6	108.2	109.4	109.4
170°	109.4	109.4	109.4	109.9	109.4	107.7	*107.7*	107.7	108.2	108.2	108.8
172.5°	113.3	113.3	113.3	112.7	111.6	111.0	*109.9*	109.9	110.5	109.9	110.5
175°	118.9	118.3	118.3	117.8	117.2	116.7	*116.1*	115.5	115.5	113.8	113.8
177.5°	121.7	121.1	121.7	121.7	121.1	120.0	*118.9*	118.9	118.3	117.2	116.7
180°	117.2	117.2	117.2	117.2	117.2	117.2	*117.2*	117.2	117.2	117.2	117.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	47.1	45.4	40.9	37.0	34.2	33.1	33.1	31.4	29.2	27.5	26.9
5°	62.3	61.1	59.4	57.2	52.2	45.4	39.8	37.6	36.5	35.9	35.3
7.5°	88.0	89.2	91.4	90.9	81.3	63.4	52.7	52.2	58.3	65.1	67.3
10°	113.8	112.7	120.0	126.2	102.6	71.8	54.4	52.7	61.1	72.9	74.6
12.5°	136.3	130.7	126.7	120.0	98.1	71.8	58.3	55.0	58.9	67.9	67.9
15°	153.1	145.8	129.5	113.8	94.2	74.0	60.6	58.3	58.3	55.5	56.1
17.5°	166.0	152.5	129.0	108.8	87.5	70.7	60.0	53.8	50.5	46.0	44.9
20°	181.1	171.6	140.2	112.2	86.4	68.4	58.3	51.0	47.1	45.4	44.9
22.5°	197.4	177.8	147.5	113.3	86.4	69.5	57.8	49.9	46.5	45.4	45.4
25°	199.1	182.3	151.4	117.8	89.2	71.8	58.9	50.5	47.1	46.0	45.4
27.5°	196.8	185.1	158.2	122.8	92.0	74.0	61.1	51.6	47.1	45.4	44.9
30°	205.3	195.7	166.0	126.2	94.8	76.8	63.4	53.8	48.2	44.9	44.3
32.5°	226.6	213.1	176.7	128.4	95.9	77.4	65.6	56.1	49.4	45.4	44.9
35°	282.7	270.3	217.6	136.3	95.9	78.5	67.3	57.8	50.5	46.0	45.4
37.5°	364.0	341.0	267.5	162.6	97.0	80.8	69.0	60.0	52.2	47.1	46.0
40°	385.8	325.8	227.1	145.8	99.3	83.0	71.8	62.3	54.4	48.8	48.2
42.5°	500.8	416.7	280.4	154.2	106.0	84.7	73.5	64.5	56.1	50.5	49.4
45°	536.1	417.2	284.9	178.3	124.5	92.0	76.3	66.2	57.2	51.6	51.0
47.5°	702.7	517.6	290.5	191.2	139.6	106.0	83.0	68.4	58.3	52.7	52.2
50°	1030.2	730.2	360.6	238.9	172.7	129.5	97.6	72.9	59.4	54.4	53.3
52.5°	1285.4	876.0	390.9	292.2	229.4	171.0	122.8	84.7	62.8	55.5	54.4
55°	1566.9	1076.2	444.2	352.2	278.2	214.2	155.9	102.1	69.5	57.2	56.1
57.5°	1954.4	1284.8	521.6	415.6	337.6	250.1	177.8	119.5	78.5	61.1	58.9
60°	2190.0	1373.4	533.9	449.8	372.9	278.7	187.3	126.7	88.0	66.7	63.4
62.5°	2415.4	1434.6	537.3	463.2	381.4	284.3	188.4	123.4	91.4	74.6	70.1
65°	*2461.4*	*1374.0*	*538.4*	*466.0*	*371.3*	*269.8*	*182.3*	*120.0*	*87.5*	*81.3*	*81.9*
67.5°	2306.1	1220.3	499.1	445.9	344.3	240.6	163.8	115.0	86.4	80.2	81.9
70°	1813.1	956.2	455.9	413.3	292.2	204.7	145.8	108.2	86.4	77.4	75.7
72.5°	1407.7	817.1	467.2	392.6	250.1	182.8	131.8	100.9	83.6	76.8	75.7
75°	1092.5	682.0	460.4	345.5	204.1	157.0	118.3	92.5	79.6	75.7	75.1
77.5°	798.6	537.8	380.8	264.7	169.4	133.5	104.3	86.9	77.4	74.0	73.5
80°	513.7	376.3	265.3	211.4	148.6	121.7	97.6	83.0	76.3	74.0	73.5
82.5°	433.0	341.5	238.9	200.2	143.6	123.9	102.1	86.9	80.2	78.0	77.4
85°	416.7	351.6	245.6	208.6	137.4	118.3	99.8	86.9	80.8	78.0	77.4
87.5°	395.9	318.0	242.3	191.8	132.4	113.8	98.1	89.2	83.0	81.3	80.8
90°	358.4	280.4	222.1	178.3	139.6	121.1	108.2	98.7	92.5	88.6	87.5
92.5°	302.3	225.4	190.7	176.1	153.1	137.4	124.5	116.1	109.4	105.4	103.8
95°	254.6	196.8	166.0	155.9	135.2	123.4	111.0	104.9	99.8	96.5	96.5
97.5°	207.5	168.8	154.2	146.4	129.5	116.7	106.6	100.4	98.7	97.6	97.0
100°	195.2	165.4	155.3	148.6	135.2	123.4	115.5	109.9	109.4	108.8	108.8
102.5°	181.1	156.5	145.3	138.5	125.1	115.0	109.4	104.9	103.2	101.5	99.8
105°	171.0	148.1	139.6	130.7	120.0	109.9	104.3	97.6	96.5	95.9	95.9
107.5°	166.0	146.9	142.4	128.4	118.3	113.8	107.1	98.7	97.0	94.8	94.8
110°	183.4	163.2	150.3	132.9	122.3	118.3	116.7	109.4	103.8	97.0	96.5

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

Scaled Data Report

REPORT NUMBER: P1046555
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	227.1	199.7	184.5	158.7	136.8	127.3	120.0	112.2	108.8	104.3	102.6
115°	244.5	216.5	197.4	171.6	146.4	129.5	118.9	117.8	114.4	111.6	114.4
117.5°	250.7	196.8	162.6	156.5	137.4	123.9	118.9	117.2	118.3	118.3	113.3
120°	270.3	212.5	199.7	191.8	155.9	134.0	122.8	128.4	127.3	120.6	120.6
122.5°	403.2	360.0	317.4	264.7	219.8	194.0	155.9	130.7	125.6	121.1	118.3
125°	531.1	492.4	425.7	355.6	278.2	205.8	154.8	136.8	127.3	121.7	122.8
127.5°	541.2	500.2	424.0	338.2	248.4	192.4	155.9	140.2	129.5	123.4	122.3
130°	422.9	393.7	336.5	273.7	210.9	172.2	144.1	128.4	118.9	113.3	112.2
132.5°	374.1	349.4	289.9	235.0	192.4	159.8	135.7	118.3	111.6	107.7	107.1
135°	298.9	278.2	238.3	208.6	178.9	152.0	127.9	111.6	105.4	104.9	103.8
137.5°	261.9	245.1	214.2	189.6	164.9	139.1	118.9	105.4	102.6	103.2	101.5
140°	213.7	206.4	189.0	167.7	141.3	114.4	100.4	95.9	100.4	102.6	102.6
142.5°	183.4	173.9	154.2	129.5	112.7	100.4	98.7	97.0	99.3	100.4	100.4
145°	168.8	157.6	141.3	132.4	124.5	113.8	104.9	97.0	94.8	95.3	95.3
147.5°	190.7	177.8	167.1	150.3	131.2	113.3	99.8	90.9	90.9	93.1	93.7
150°	158.2	146.9	139.6	130.1	115.5	100.9	91.4	86.9	88.6	93.1	93.7
152.5°	132.4	118.9	114.4	108.8	100.9	93.1	88.6	86.4	89.2	92.5	92.5
155°	129.0	117.2	111.6	106.0	98.7	92.0	88.0	86.9	89.7	92.0	92.5
157.5°	121.1	114.4	107.1	102.6	97.0	92.0	89.2	88.0	90.3	92.0	92.5
160°	116.7	112.7	104.3	100.4	95.3	92.0	91.4	91.4	92.5	93.1	93.1
162.5°	111.6	109.4	104.3	100.9	97.6	95.9	97.0	97.6	97.6	97.0	97.0
165°	109.9	108.8	104.3	101.5	99.8	100.4	102.6	103.2	101.5	100.4	100.4
167.5°	109.4	109.4	106.0	103.8	103.2	104.3	106.6	106.6	104.9	102.6	102.1
170°	109.4	109.9	108.8	108.8	107.7	108.2	108.8	108.8	107.7	106.6	106.0
172.5°	111.0	111.0	111.0	111.0	110.5	111.0	111.6	111.6	111.6	111.0	111.0
175°	113.8	113.8	113.8	113.3	112.7	112.7	113.3	113.8	114.4	114.4	114.4
177.5°	116.7	116.1	115.5	116.1	115.5	115.5	116.7	117.2	117.8	117.8	117.8
180°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

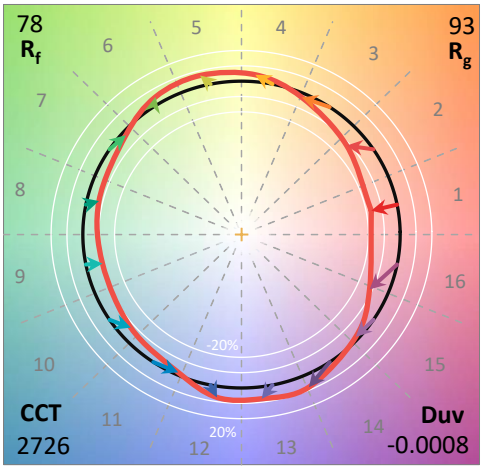
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

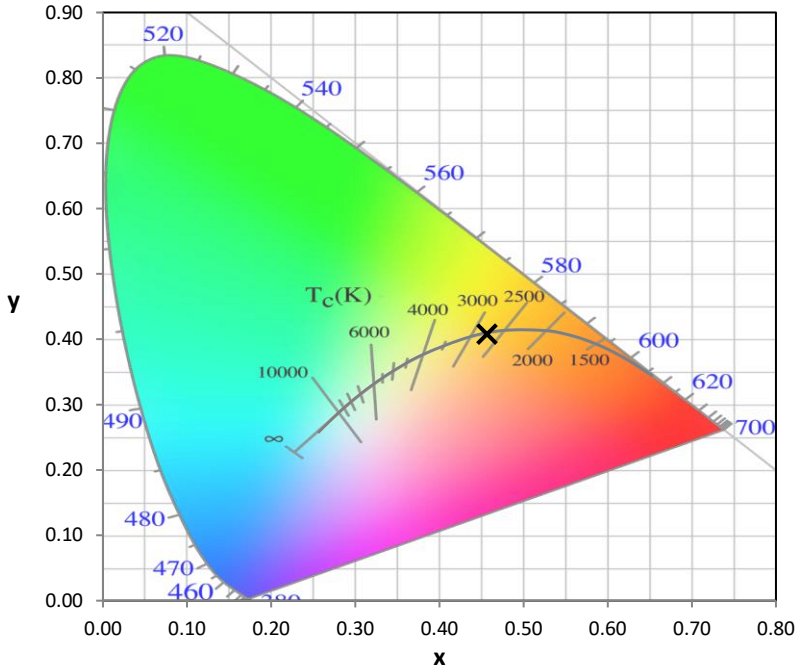
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

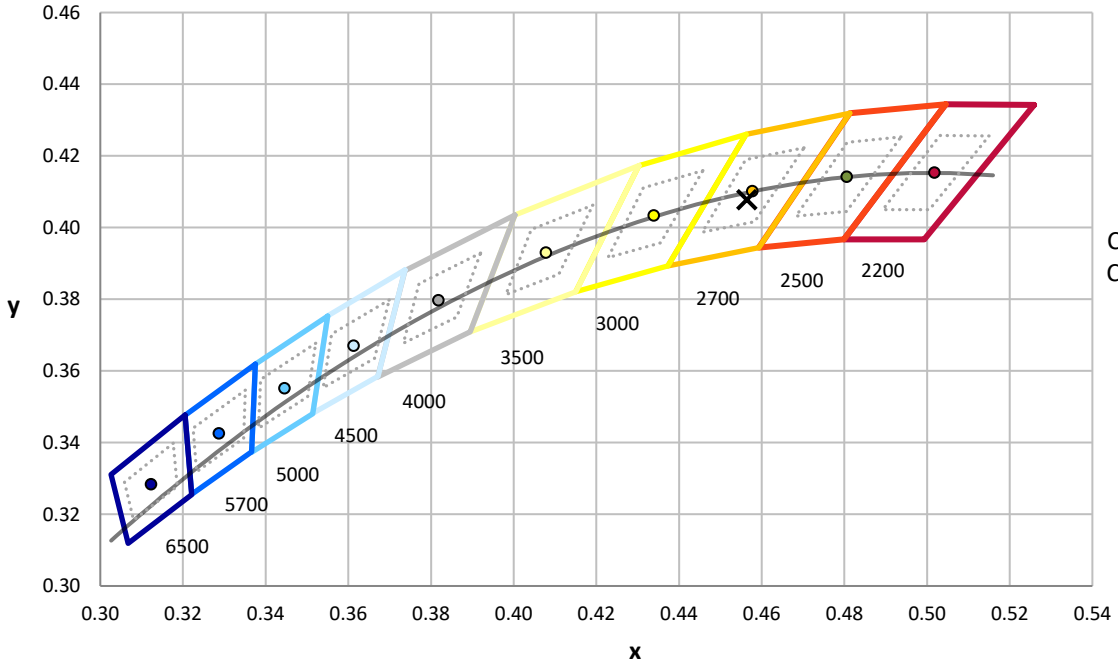
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

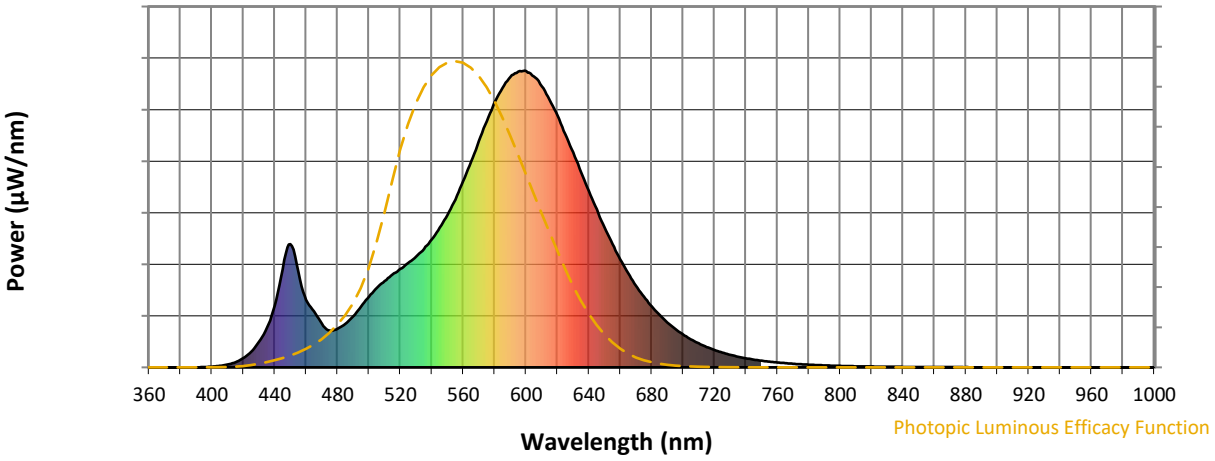


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

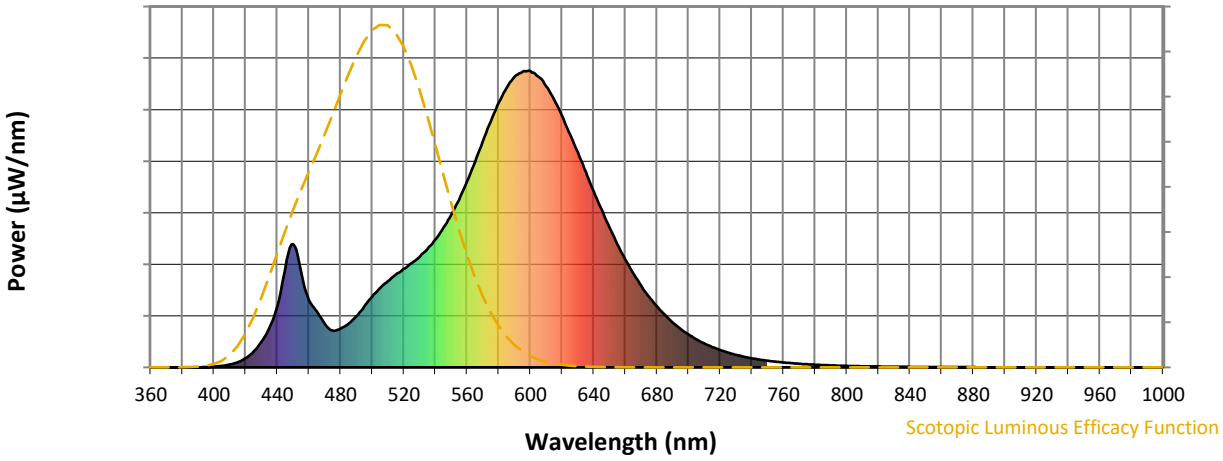


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

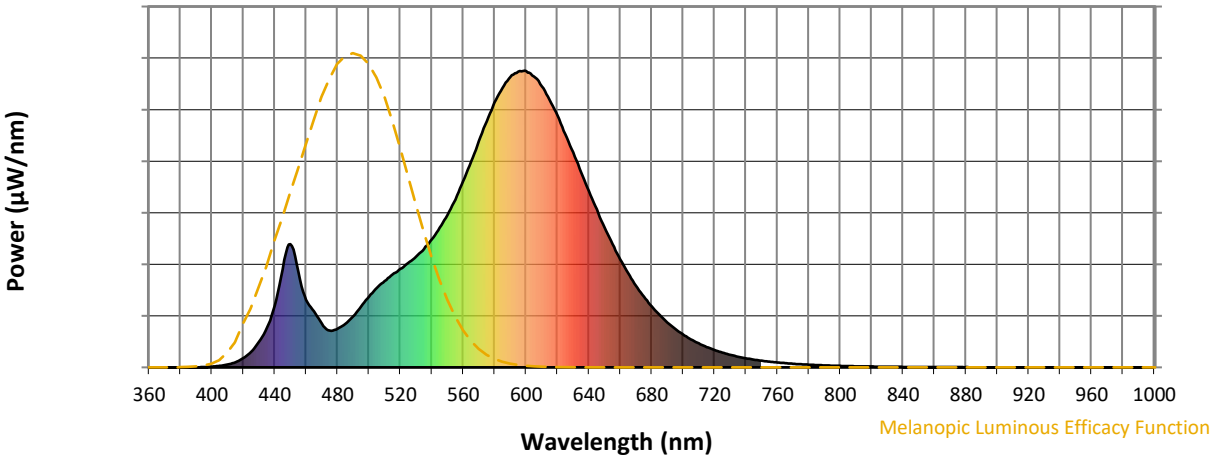


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

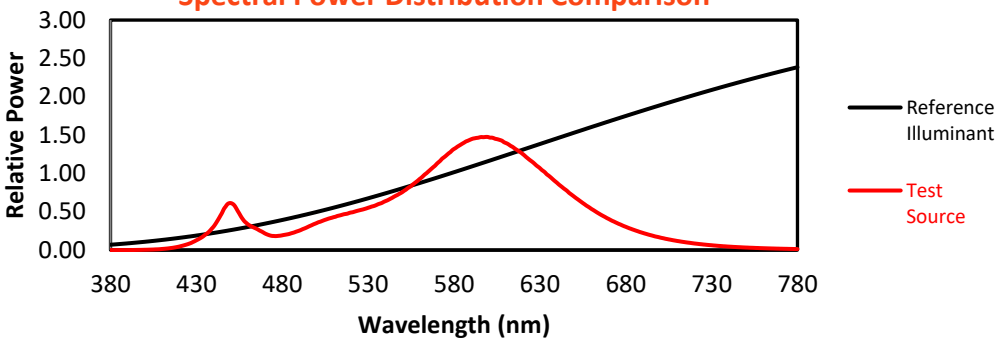
REPORT NUMBER: SP1-2501-332-3

TM-30-18

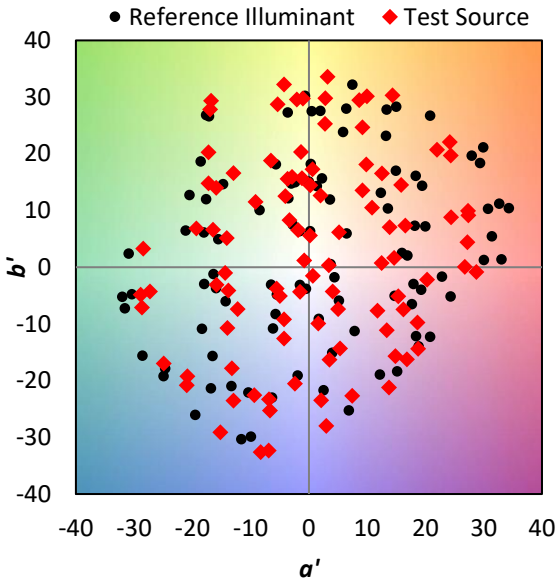
Summary

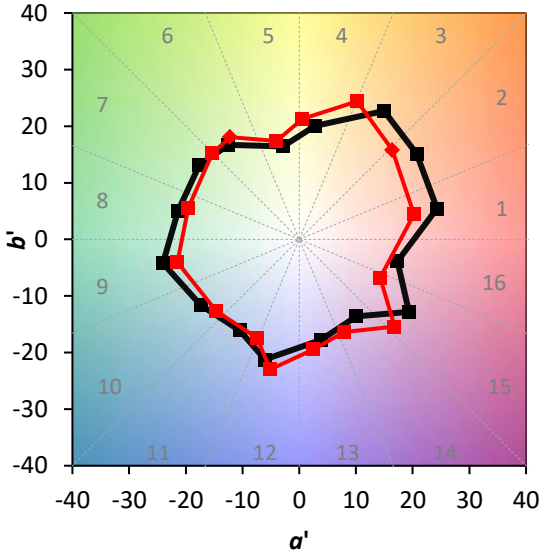
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

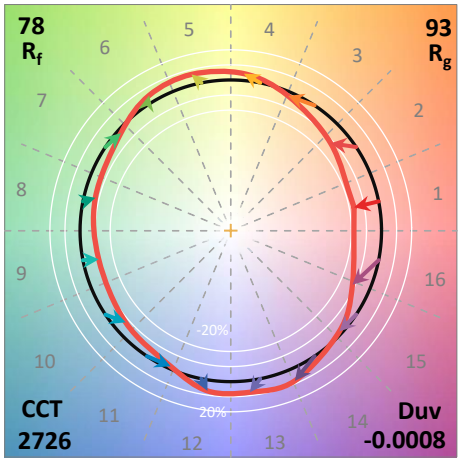
Spectral Power Distribution Comparison

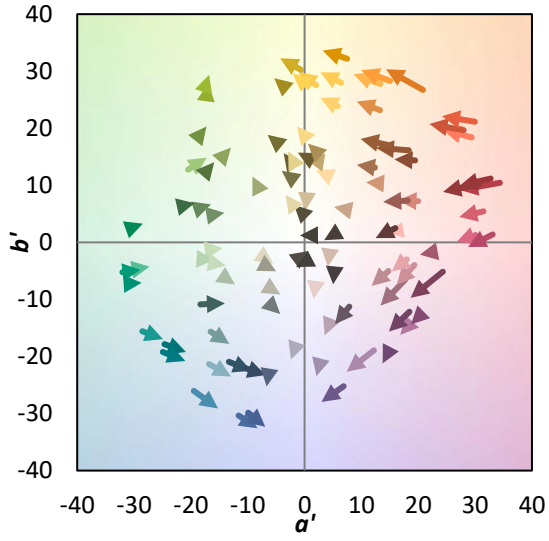


Color Vector Graphics







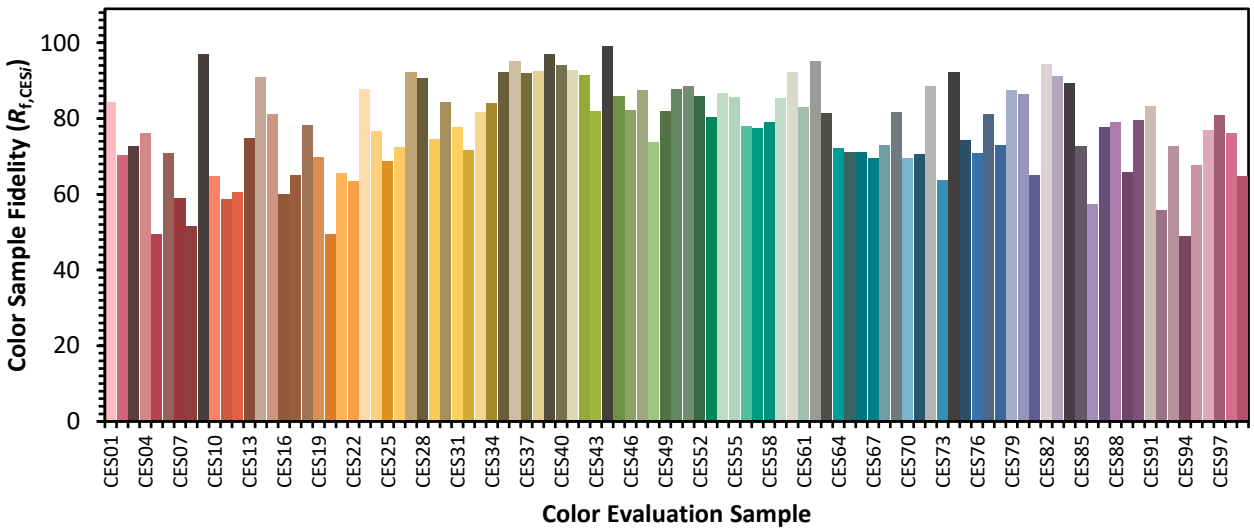


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

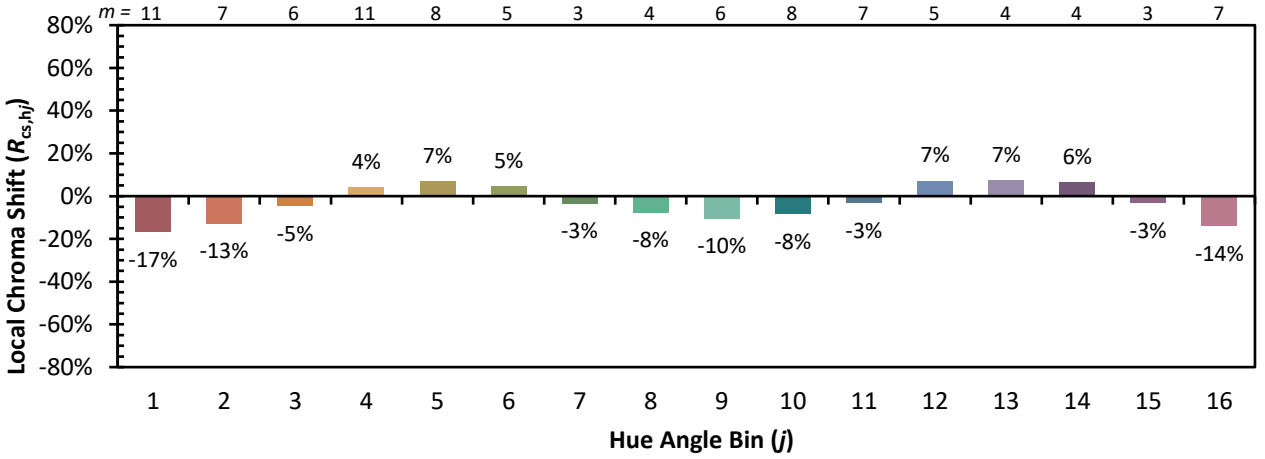
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

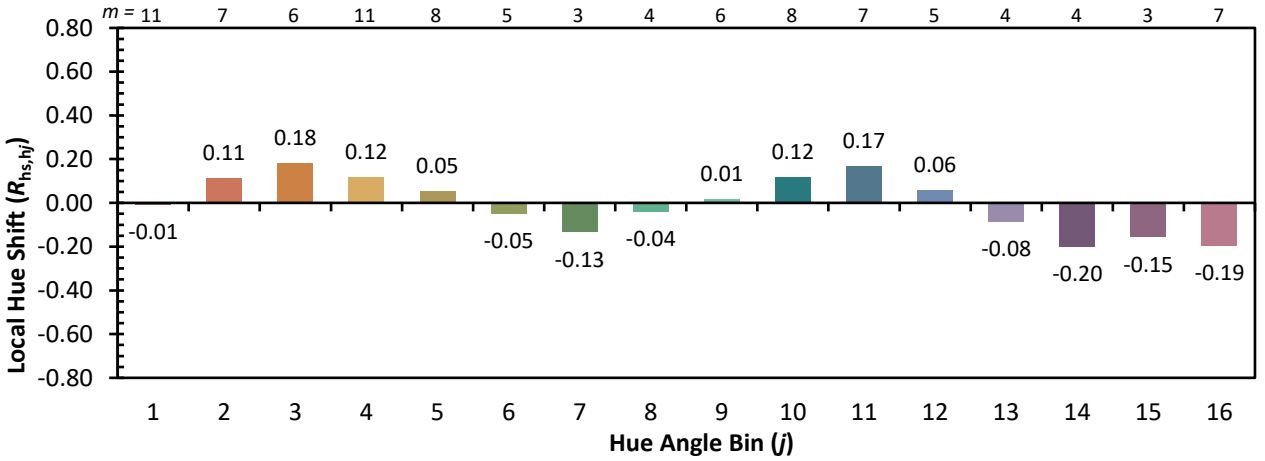


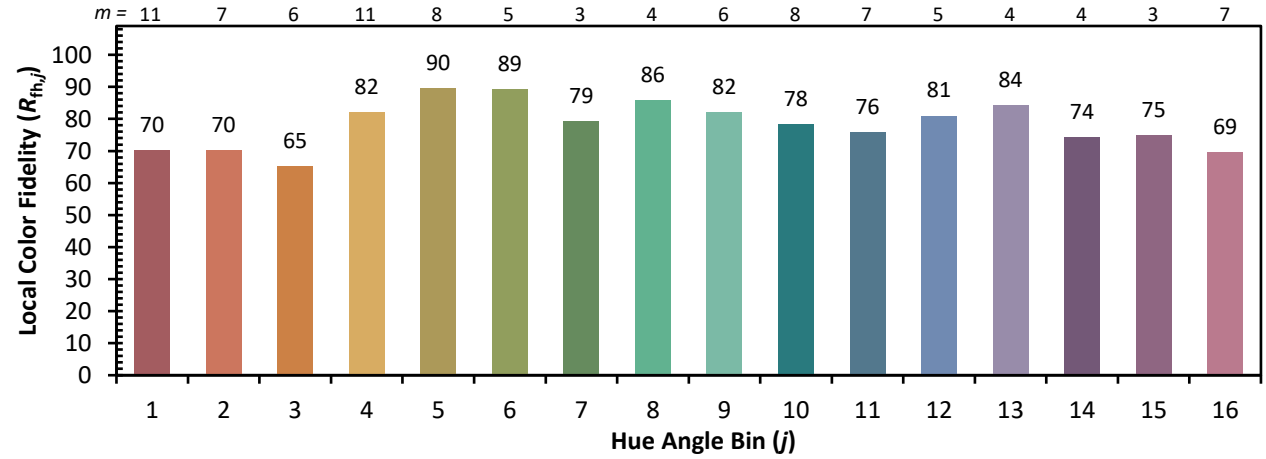
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Color Rendition by Hue-Angle Bin



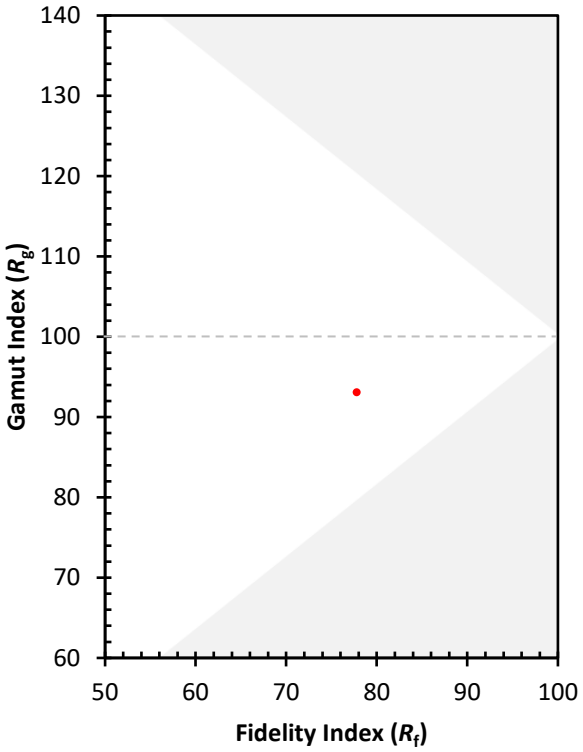


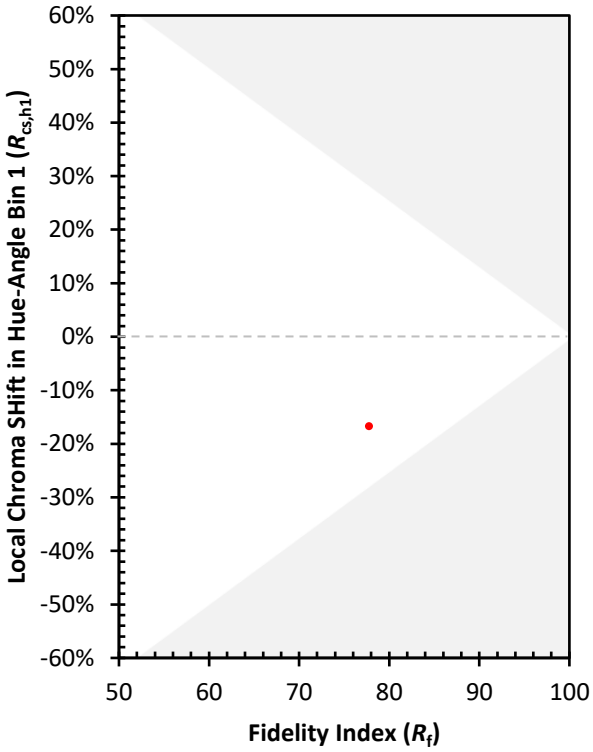


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Measure Comparisons





(END OF REPORT)