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: P981465

Luminaire Tested: **FFX-CLB-50-727-U-FR-T3-UPLR**

Issue Date: 04/15/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981465
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7216.4 lumens
Efficiency:	N/A
Efficacy:	142.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

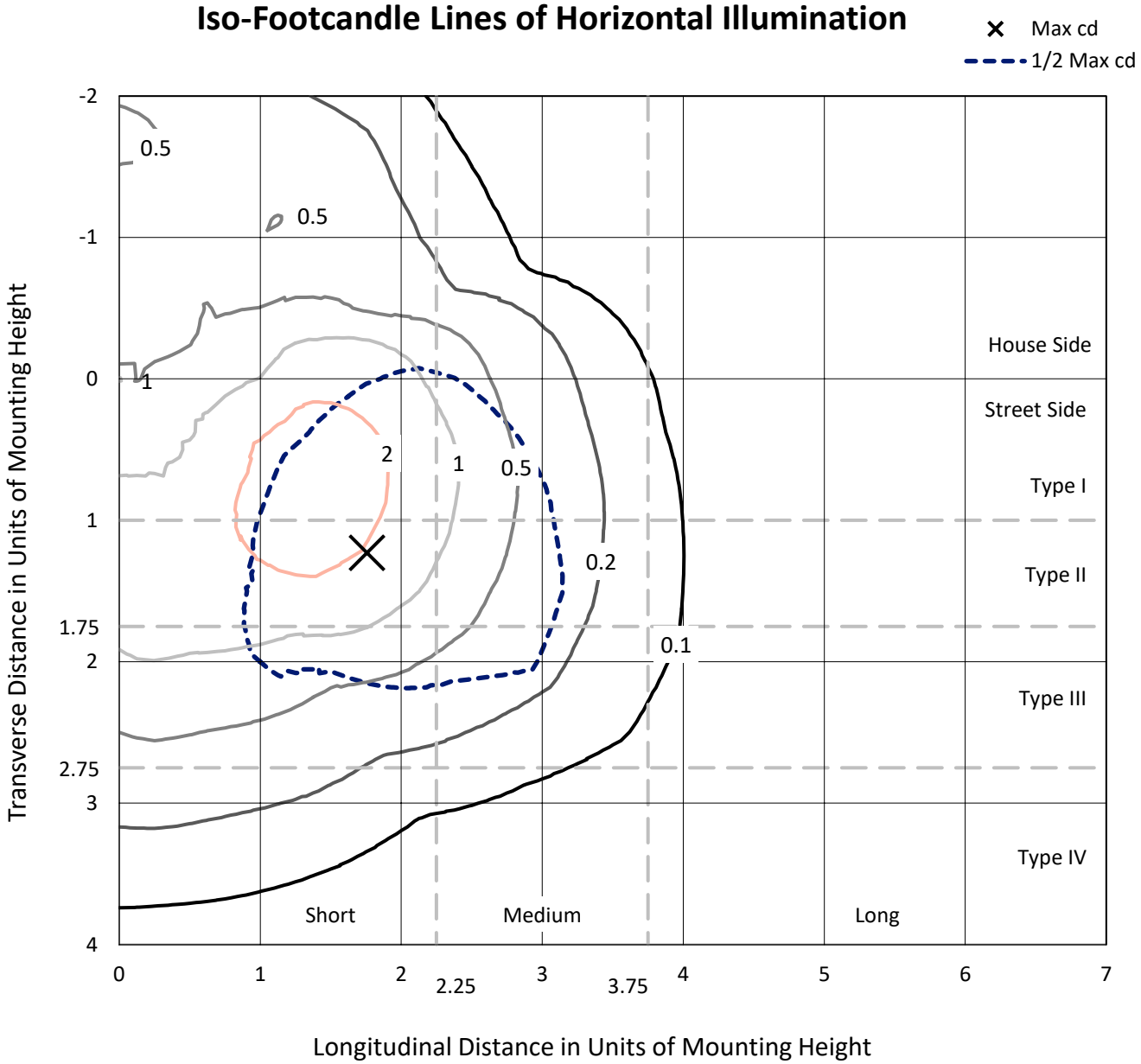


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Iso-Footcandle Lines of Horizontal Illumination



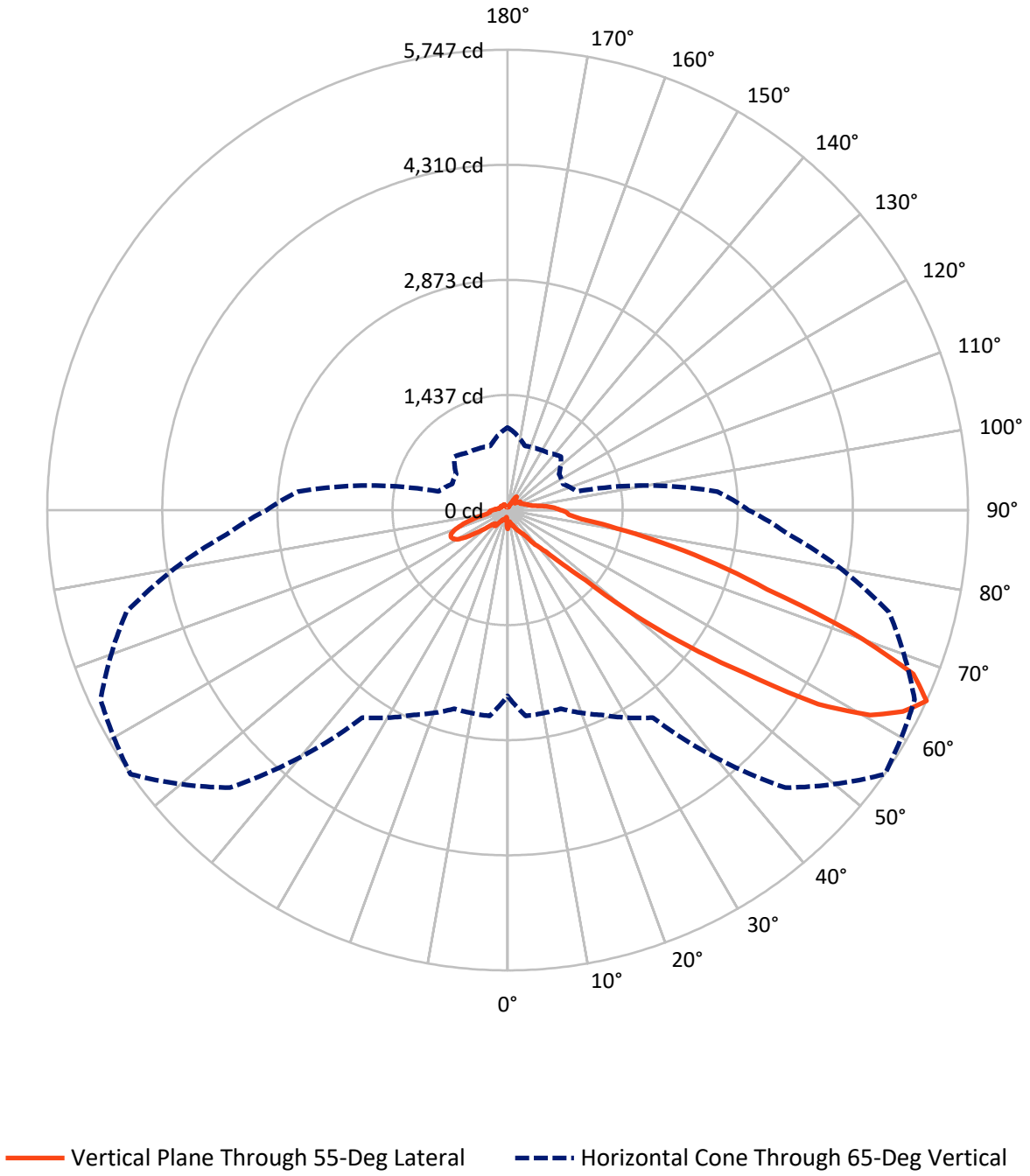
Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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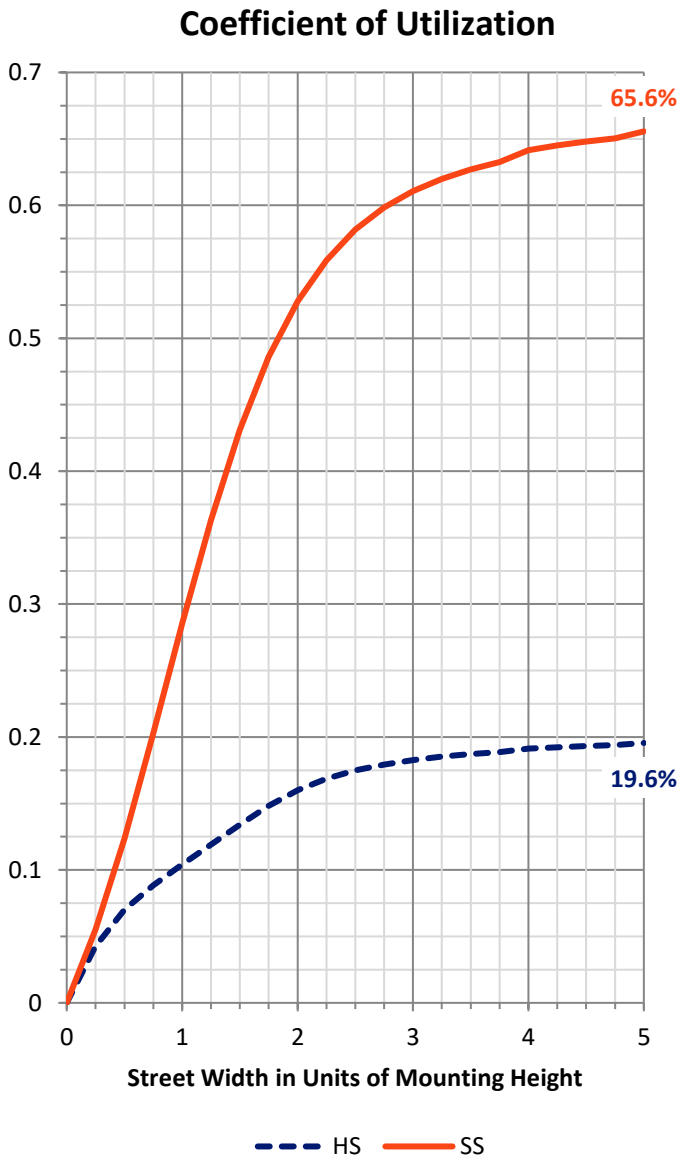
REPORT NUMBER: P981465
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.0	286.1	1752.1
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	4891.8	572.5	5464.3
	% Fixture	67.8	7.9	75.7
Total	Lumens	6357.9	858.5	7216.4
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	44.1	0.6
20°-30°	90.2	1.3
30°-40°	195.6	2.7
40°-50°	474.8	6.6
50°-60°	1482.2	20.5
60°-70°	2355.1	32.6
70°-80°	1255.1	17.4
80°-90°	447.2	6.2
90°-100°	272.1	3.8
100°-110°	161.1	2.2
110°-120°	125.8	1.7
120°-130°	104.9	1.5
130°-140°	76.7	1.1
140°-150°	70.5	1.0
150°-160°	31.8	0.4
160°-170°	12.2	0.2
170°-180°	3.6	0.0
0°-90°	6357.9	88.1
0°-180°	7216.4	100.0



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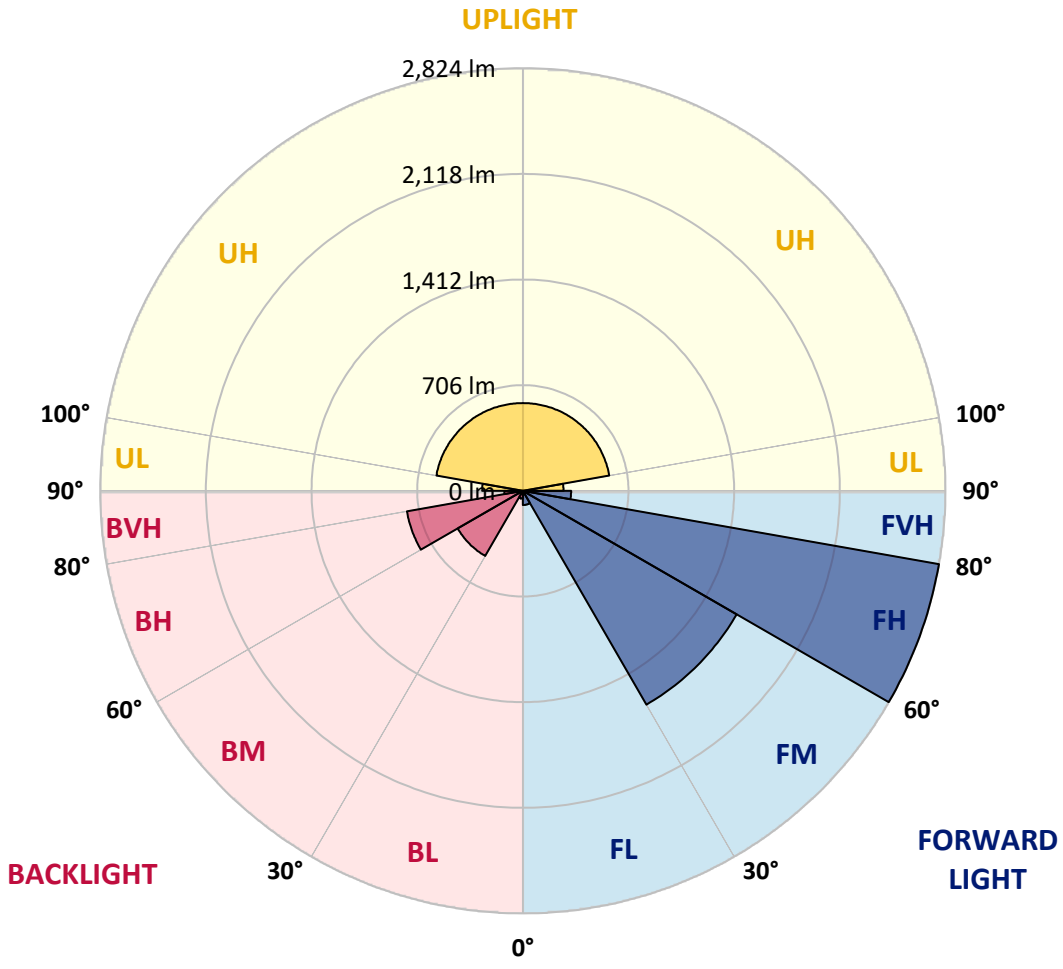
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	95.4	1.3			
FM	(30°-60°)	1650.1	22.9			
FH	(60°-80°)	2823.7	39.1			G2/5000
FVH	(80°-90°)	322.7	4.5			G3/500
BL	(0°-30°)	52.5	0.7	B0/110		
BM	(30°-60°)	502.5	7.0	B1/1000		
BH	(60°-80°)	786.5	10.9	B2/1000		G2/1000
BVH	(80°-90°)	124.5	1.7			G2/225
UL	(90°-100°)	272.1	3.8		U3/500	
UH	(100°-180°)	586.5	8.1		U4/1000	

BUG Rating: B2-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	234.1	234.1	234.1	234.1	234.1	234.1	*234.1*	234.1	234.1	234.1	234.1
2.5°	139.8	140.8	156.4	168.6	183.8	179.4	*179.4*	212.6	234.6	266.9	264.0
5°	149.6	143.2	146.2	156.9	177.4	187.2	*176.5*	139.8	115.8	125.6	137.4
7.5°	163.7	162.3	158.9	148.6	140.8	161.8	*191.1*	170.1	128.6	108.0	103.6
10°	167.7	168.1	167.2	168.1	172.1	162.8	*146.2*	133.0	129.0	127.1	125.6
12.5°	202.9	202.4	204.3	201.9	192.6	181.3	*184.8*	175.0	155.9	142.7	139.3
15°	236.6	235.6	235.1	225.8	210.7	192.6	*183.8*	188.2	176.0	160.8	154.0
17.5°	250.3	250.3	240.5	227.3	218.0	205.3	*198.5*	193.6	184.3	174.5	166.2
20°	244.9	244.4	234.6	229.2	230.2	224.4	*218.5*	211.2	201.9	186.2	176.0
22.5°	242.0	242.0	238.5	237.1	245.4	243.4	*242.0*	232.7	220.5	197.5	184.3
25°	261.0	259.6	255.2	255.2	263.0	269.3	*271.8*	264.4	244.4	209.7	197.5
27.5°	279.6	279.1	273.2	274.7	279.6	292.3	*296.2*	292.8	265.4	220.0	209.2
30°	302.1	298.7	293.8	302.6	301.6	319.2	*324.6*	328.5	293.8	241.0	228.3
32.5°	326.0	324.1	320.2	331.4	335.3	351.5	*355.8*	375.4	332.4	278.6	265.4
35°	366.6	365.1	375.4	397.4	396.9	427.2	*415.5*	444.8	404.2	346.6	333.4
37.5°	549.4	541.1	529.4	508.4	506.9	548.9	*535.7*	558.7	501.5	420.4	405.7
40°	571.9	570.4	565.1	541.1	527.4	599.3	*608.1*	676.0	581.7	488.8	460.5
42.5°	558.7	560.7	632.5	647.7	619.8	708.3	*722.9*	842.2	672.1	592.9	541.1
45°	673.6	676.5	700.0	710.7	708.8	931.2	*967.3*	1113.5	830.5	739.1	643.3
47.5°	771.3	761.1	803.6	885.7	941.9	1193.2	*1309.5*	1533.9	1115.9	981.0	803.6
50°	1059.7	1057.3	1159.9	1249.9	1305.6	1716.7	*2075.0*	2321.3	1635.5	1422.4	1121.3
52.5°	1255.3	1338.3	1436.6	1644.8	1695.2	2336.0	*2820.9*	3018.4	2260.2	1868.2	1530.9
55°	1453.7	1573.5	1683.4	2007.5	2174.7	3035.0	*3586.8*	3641.1	2968.5	2271.5	1931.8
57.5°	1822.8	2024.6	2095.5	2354.1	2598.5	3840.5	*4572.3*	4514.6	3698.8	2739.3	2379.5
60°	2156.6	2399.5	2379.0	2632.2	2946.5	4497.0	*5198.0*	5137.3	4367.0	3154.7	2723.6
62.5°	2268.5	2513.4	2485.6	2761.3	3163.1	4848.9	*5539.1*	5435.5	4804.5	3421.1	2914.3
65°	*2320.8*	*2580.9*	*2567.2*	*2824.3*	*3163.1*	*4899.8*	*5746.9*	*5605.1*	*4926.7*	*3523.8*	*3006.1*
67.5°	2274.9	2525.7	2534.5	2762.7	2976.8	4532.7	*5463.4*	5270.8	4620.7	3277.4	2841.9
70°	1988.5	2163.9	2141.9	2348.7	2369.7	3628.4	*4534.2*	4324.5	3754.0	2732.9	2351.6
72.5°	1642.9	1685.4	1667.3	1797.8	1822.3	2657.6	*3388.9*	3270.1	2803.3	2033.4	1796.8
75°	1310.0	1303.2	1340.3	1370.6	1345.2	1950.8	*2683.5*	2548.6	2074.0	1531.4	1382.8
77.5°	906.2	853.9	951.7	961.0	920.9	1297.3	*1979.7*	1928.3	1486.5	1128.7	1019.2
80°	509.3	515.2	585.1	626.6	612.0	825.6	*1377.5*	1343.7	1015.2	788.9	700.9
82.5°	393.0	410.6	443.3	474.6	454.1	631.5	*931.7*	934.1	742.5	576.3	526.4
85°	432.1	441.4	445.8	446.8	430.6	587.1	*772.3*	762.0	630.6	482.5	466.8
87.5°	421.3	431.1	432.6	433.1	418.9	559.2	*731.3*	715.1	601.2	463.4	439.4
90°	361.2	377.8	379.8	392.5	375.9	499.6	*643.8*	627.6	542.1	417.9	395.4
92.5°	310.4	319.2	328.5	343.6	326.0	435.0	*576.3*	556.3	485.4	377.8	347.1
95°	284.0	288.9	296.7	302.6	282.0	369.5	*482.0*	460.9	394.0	304.0	276.7
97.5°	228.3	232.7	236.1	243.4	229.2	292.8	*373.9*	354.4	308.9	242.0	221.4
100°	195.0	198.0	201.9	206.8	195.0	245.4	*307.0*	298.2	257.1	204.3	191.1
102.5°	178.4	180.9	187.7	187.7	180.4	224.4	*274.2*	267.4	231.2	185.3	176.5
105°	172.1	172.5	178.4	176.0	171.1	209.2	*255.6*	246.8	216.5	176.0	165.7
107.5°	163.7	164.2	171.6	167.7	163.7	194.1	*231.7*	227.8	200.4	164.2	155.4
110°	155.4	156.9	166.2	162.8	160.3	182.3	*217.0*	209.7	191.6	158.9	151.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	149.1	150.1	158.9	156.4	154.5	174.5	*201.4*	201.4	187.2	158.9	149.1
115°	143.7	145.7	153.0	148.1	144.7	164.2	*185.7*	186.7	175.0	151.5	141.8
117.5°	134.4	138.8	142.7	144.7	140.8	157.4	*176.5*	175.5	169.1	146.2	139.3
120°	153.0	149.6	152.5	155.9	149.6	162.8	*178.9*	178.9	172.5	143.7	137.8
122.5°	159.8	155.0	157.9	154.5	154.0	171.1	*191.1*	192.6	179.4	148.1	133.4
125°	141.8	139.8	136.4	135.4	139.3	155.4	*173.5*	179.9	165.7	141.8	124.6
127.5°	121.2	118.8	114.4	116.8	124.2	140.3	*149.6*	153.0	147.1	131.5	118.8
130°	111.9	111.4	114.9	119.3	125.1	138.8	*141.8*	146.6	146.6	128.1	120.7
132.5°	102.2	102.6	113.4	128.6	133.0	135.9	*129.5*	138.8	143.2	130.5	122.2
135°	100.7	101.2	107.0	119.3	119.8	121.7	*122.2*	133.9	136.9	124.6	115.4
137.5°	110.0	110.0	105.6	108.0	113.4	128.1	*133.0*	142.2	139.8	117.8	104.1
140°	121.2	118.8	105.1	105.6	114.9	133.0	*139.3*	145.2	142.2	115.4	99.2
142.5°	100.2	101.2	103.6	112.9	123.7	164.7	*159.4*	174.0	168.1	122.2	96.8
145°	156.4	156.9	154.0	157.9	164.7	219.0	*202.4*	225.8	232.7	159.8	114.9
147.5°	171.1	173.0	167.7	164.2	183.8	200.4	*181.8*	201.4	214.6	167.7	123.2
150°	133.4	133.0	129.5	134.4	147.6	146.6	*136.9*	143.7	149.1	128.1	105.6
152.5°	94.8	93.4	91.4	91.9	107.5	103.6	*100.7*	106.6	106.6	98.2	84.6
155°	78.7	78.7	77.7	80.2	89.0	82.1	*79.7*	78.7	77.7	75.3	69.9
157.5°	66.5	67.9	66.5	69.4	75.3	68.9	*67.5*	66.0	66.5	66.5	65.0
160°	55.2	55.2	54.3	59.1	61.1	56.2	*53.8*	52.8	52.8	55.7	55.7
162.5°	46.4	46.4	46.9	48.9	50.3	46.9	*45.5*	45.5	46.9	51.3	51.3
165°	40.1	40.1	40.6	42.0	43.0	41.1	*40.1*	40.6	44.5	48.4	48.4
167.5°	36.7	36.7	36.7	37.1	37.6	36.7	*36.7*	38.6	42.0	44.5	44.5
170°	34.7	34.7	34.2	34.7	34.7	34.7	*36.7*	38.6	40.1	40.1	40.1
172.5°	35.2	35.2	34.7	35.2	35.2	34.7	*37.1*	39.6	38.6	38.1	38.1
175°	36.2	36.2	36.2	36.7	36.7	35.7	*35.2*	36.2	37.1	37.1	36.7
177.5°	36.2	36.2	35.7	36.2	35.7	34.7	*34.2*	33.7	33.7	33.2	33.2
180°	33.7	33.7	33.7	33.7	33.7	33.7	*33.7*	33.7	33.7	33.7	33.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	239.0	206.3	181.8	200.9	242.9	264.0	242.9	184.8	130.0	113.9
5°	143.2	139.3	125.6	122.7	128.1	123.2	136.9	129.5	102.6	103.6
7.5°	107.0	129.5	125.1	89.5	83.6	78.2	82.6	94.3	97.3	90.9
10°	124.2	111.9	97.8	90.9	99.2	107.0	101.7	88.5	76.3	72.8
12.5°	136.9	135.9	137.4	123.2	101.2	93.4	90.4	97.3	118.3	123.2
15°	147.1	135.9	125.6	122.7	108.0	100.2	96.3	94.3	90.4	87.5
17.5°	157.4	138.8	127.6	116.3	109.0	101.7	93.4	89.0	88.5	89.0
20°	164.2	147.1	133.9	121.2	111.9	102.2	93.9	89.9	89.9	89.9
22.5°	172.5	155.9	141.8	125.6	114.9	104.1	97.3	93.4	92.9	92.9
25°	186.2	167.7	151.0	133.4	121.7	111.9	102.6	97.8	96.3	95.8
27.5°	201.9	181.3	161.3	143.2	131.0	120.2	108.0	100.7	98.7	98.2
30°	221.9	198.5	173.0	154.0	138.8	128.6	113.9	105.1	101.2	100.7
32.5°	254.7	223.9	190.6	169.6	151.5	137.8	121.7	111.0	104.6	103.1
35°	317.7	280.1	230.2	199.9	171.1	149.6	128.6	114.4	108.0	107.0
37.5°	388.1	330.9	282.5	247.3	212.1	176.0	139.3	119.8	111.9	110.5
40°	418.4	364.2	312.8	257.6	249.8	221.4	171.1	133.0	117.3	114.9
42.5°	484.9	407.7	338.3	227.8	245.9	244.4	211.2	162.8	132.0	126.1
45°	570.9	463.9	376.4	243.4	247.8	239.0	216.5	188.2	160.3	154.0
47.5°	711.2	518.6	388.6	273.7	278.6	257.6	226.8	198.5	178.4	176.0
50°	1015.7	679.4	433.6	331.4	347.1	298.7	260.5	236.1	212.1	207.7
52.5°	1380.9	805.1	480.0	413.5	469.7	400.3	342.7	297.7	296.2	290.4
55°	1765.6	853.5	541.6	504.0	591.5	531.3	475.1	434.1	455.1	457.0
57.5°	2197.7	905.3	630.6	622.2	739.1	643.3	595.9	607.1	756.2	814.3
60°	2485.6	947.8	707.3	720.0	874.0	780.6	744.9	769.9	1023.1	1129.1
62.5°	2613.6	926.3	744.9	766.9	932.2	864.2	858.3	871.5	1086.1	1185.4
65°	*2631.2*	*894.5*	*765.5*	*784.5*	*942.4*	*873.0*	*848.1*	*829.5*	*972.2*	*1030.4*
67.5°	2415.2	827.1	749.3	769.4	896.0	812.9	750.8	708.8	791.4	797.2
70°	1965.5	738.6	694.6	701.9	765.5	680.4	621.8	585.6	604.7	596.8
72.5°	1524.1	651.1	618.8	601.7	620.8	548.0	478.5	460.0	478.1	469.7
75°	1158.0	581.7	546.0	488.3	519.6	421.8	344.6	328.0	335.8	324.6
77.5°	851.5	468.8	427.2	361.2	404.2	306.0	232.7	215.6	218.5	207.7
80°	621.3	346.6	312.3	259.1	291.3	217.5	168.1	165.2	164.7	157.9
82.5°	480.0	275.2	249.8	222.9	228.3	192.1	159.4	154.5	154.5	144.2
85°	445.3	266.4	240.5	221.4	222.9	186.2	151.5	148.6	150.1	139.3
87.5°	416.0	260.5	239.5	216.5	205.3	168.6	136.4	139.8	140.8	131.5
90°	356.8	231.7	212.6	190.6	177.4	143.2	122.2	128.6	129.5	121.2
92.5°	312.8	198.9	182.8	165.7	159.8	134.4	117.3	122.2	122.2	114.9
95°	249.3	162.8	155.4	147.1	145.7	125.6	109.5	111.9	111.0	104.6
97.5°	202.9	141.3	134.9	127.1	122.2	107.5	96.3	98.7	99.2	94.8
100°	178.4	130.5	121.7	112.9	108.0	96.8	88.0	92.4	95.3	91.4
102.5°	166.7	124.6	114.9	105.6	101.7	91.4	83.1	87.0	90.9	87.5
105°	158.4	120.2	110.0	101.7	96.8	86.5	78.2	79.2	84.1	82.1
107.5°	147.6	120.2	107.0	98.7	92.9	83.6	73.8	72.8	75.8	75.3
110°	143.7	120.2	105.1	96.8	90.4	82.1	73.3	69.4	70.9	70.9

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

Scaled Data Report

REPORT NUMBER: P981465
CATALOG NUMBER: FFX-CLB-50-727-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	140.3	119.3	103.1	93.4	88.0	81.1	72.3	66.5	67.9	68.9
115°	132.5	110.0	97.3	87.0	81.6	74.3	68.4	64.0	64.5	65.5
117.5°	128.1	101.7	94.3	85.1	81.1	76.7	71.4	63.1	63.1	64.0
120°	128.1	100.2	96.8	93.4	91.4	84.1	75.3	63.1	61.6	61.6
122.5°	126.1	111.4	105.6	97.8	92.4	82.6	71.9	61.6	60.6	60.6
125°	115.8	106.6	97.3	88.0	81.6	73.8	67.5	62.1	60.1	60.1
127.5°	110.5	95.8	87.0	79.7	75.3	71.4	67.5	62.1	59.6	59.1
130°	111.9	96.8	85.5	79.7	76.3	72.3	67.9	61.1	57.2	56.7
132.5°	112.9	93.4	82.6	77.7	75.3	72.3	66.5	57.7	53.3	53.3
135°	102.2	84.1	79.2	75.8	74.3	71.9	63.1	54.7	51.3	50.8
137.5°	92.9	81.6	78.2	74.8	72.3	68.9	62.1	53.8	49.4	48.9
140°	89.0	79.7	74.8	68.4	65.5	58.7	53.8	48.9	47.4	46.9
142.5°	84.6	74.8	68.9	63.5	62.1	59.6	56.7	48.9	44.0	44.0
145°	101.2	89.9	83.1	77.7	70.9	66.0	56.7	46.9	40.6	39.6
147.5°	106.1	95.8	89.0	81.6	68.9	58.2	47.9	41.1	38.6	37.6
150°	92.9	84.1	76.7	68.9	57.7	50.3	43.5	39.1	38.1	38.1
152.5°	73.8	68.9	61.1	55.7	48.4	44.0	40.1	37.6	36.7	36.7
155°	61.1	57.2	52.8	48.4	44.5	41.5	39.1	37.1	36.2	36.2
157.5°	59.1	53.3	49.4	45.5	43.0	40.1	38.1	36.2	35.7	35.2
160°	53.8	46.9	43.5	41.1	40.6	39.6	38.1	36.7	36.2	35.7
162.5°	49.9	43.0	40.6	39.1	40.6	41.5	40.6	38.6	37.1	36.7
165°	46.9	40.6	38.6	38.6	41.5	43.0	40.6	38.6	38.6	38.1
167.5°	43.5	41.5	39.1	38.6	41.1	44.0	44.5	41.1	39.6	39.1
170°	40.6	41.1	41.1	39.6	40.1	42.5	43.5	42.5	40.6	40.1
172.5°	38.6	39.6	41.5	40.6	40.6	41.5	42.5	41.5	40.1	39.6
175°	36.7	37.1	36.2	36.7	38.1	39.6	39.1	38.6	38.1	38.1
177.5°	33.2	33.2	33.7	33.7	34.2	35.7	36.2	36.2	37.1	37.1
180°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7

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

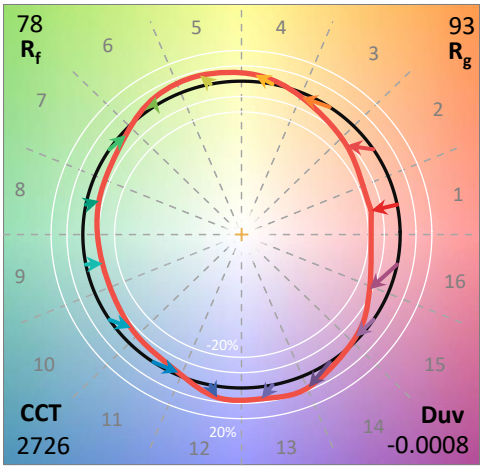
Test Information

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

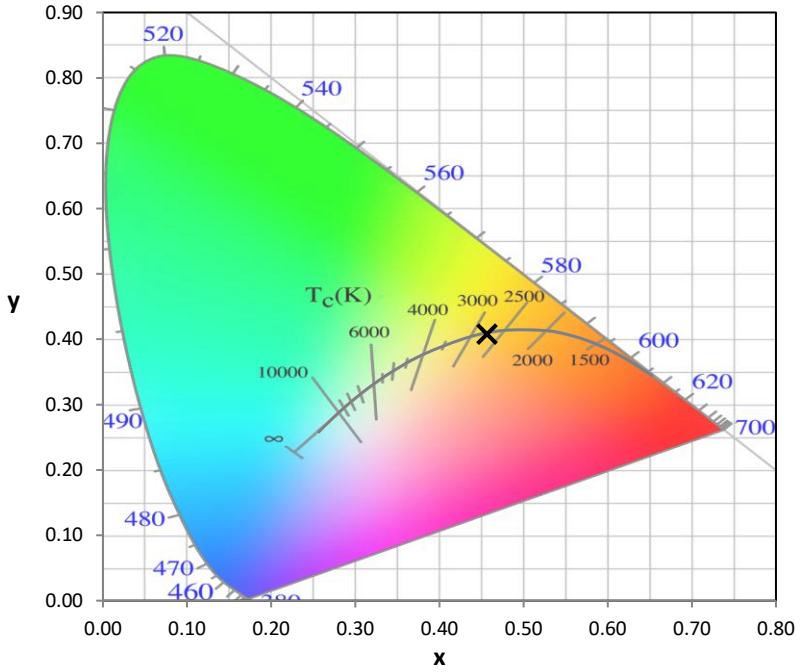
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

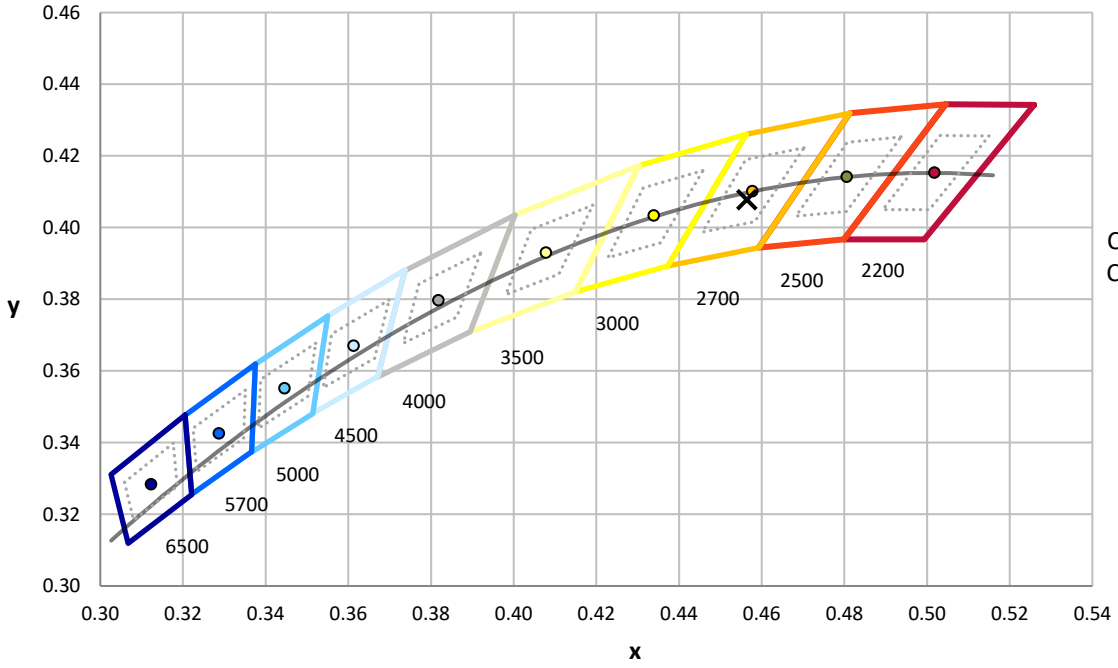
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

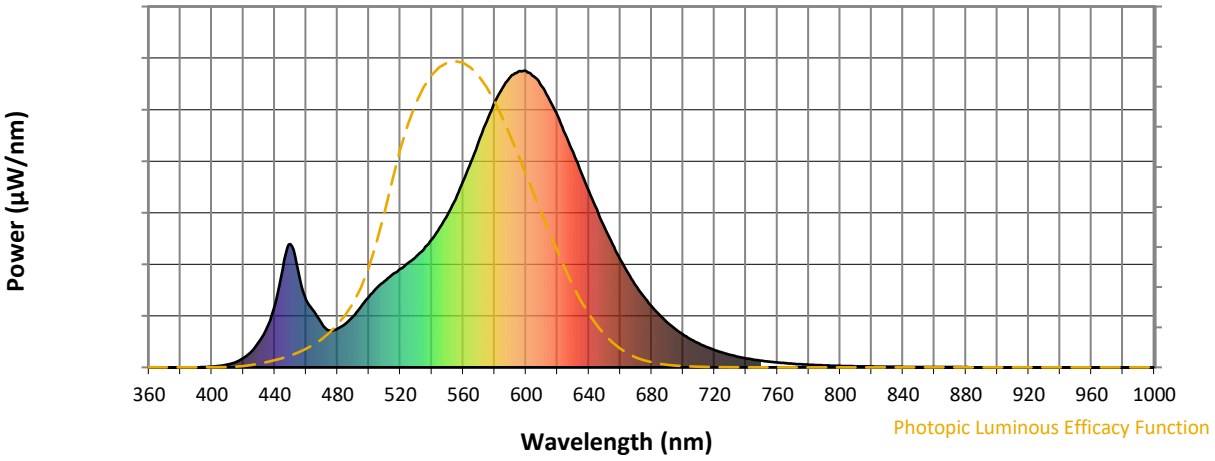


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

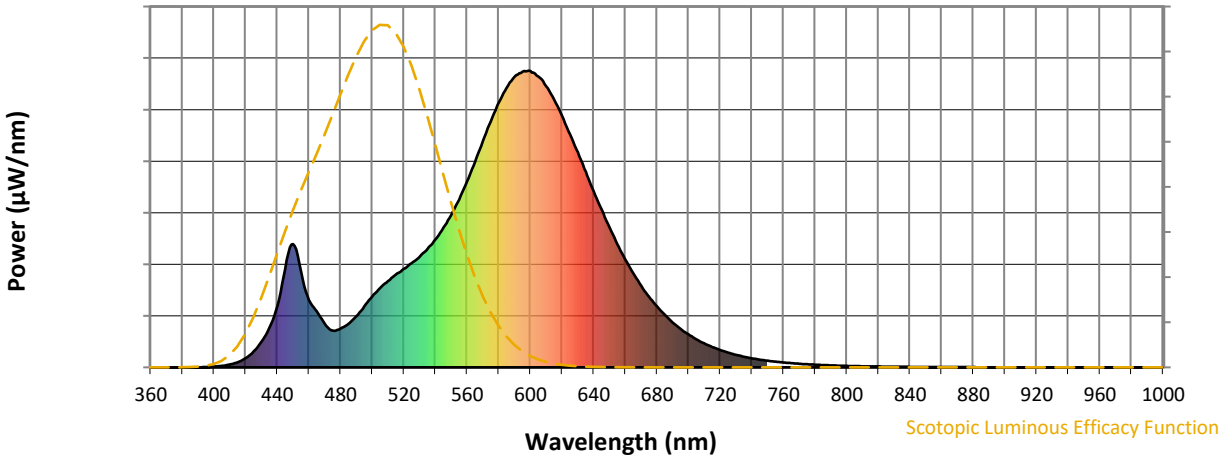


Photopic Lumens: NR

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

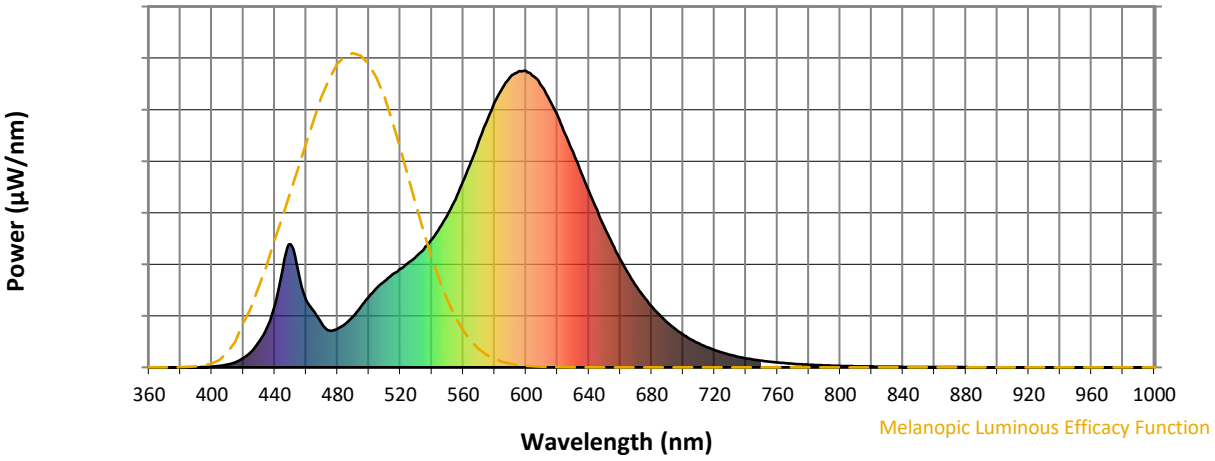


Scotopic Lumens: NR **S/P: 1.16**

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			

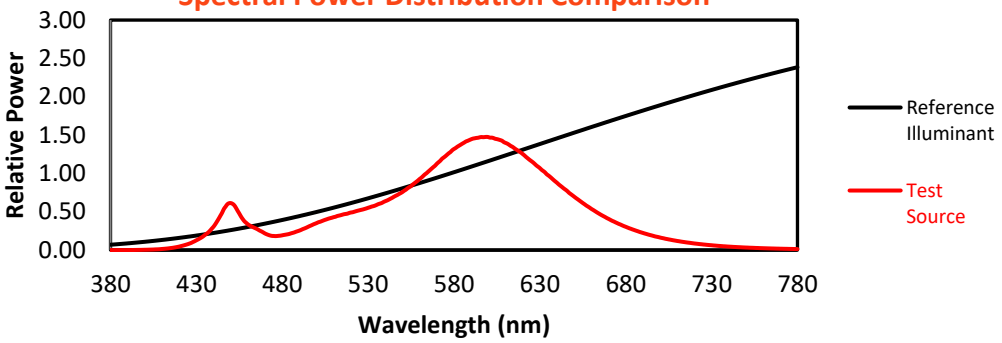
REPORT NUMBER: SP1-2501-332-3

TM-30-18

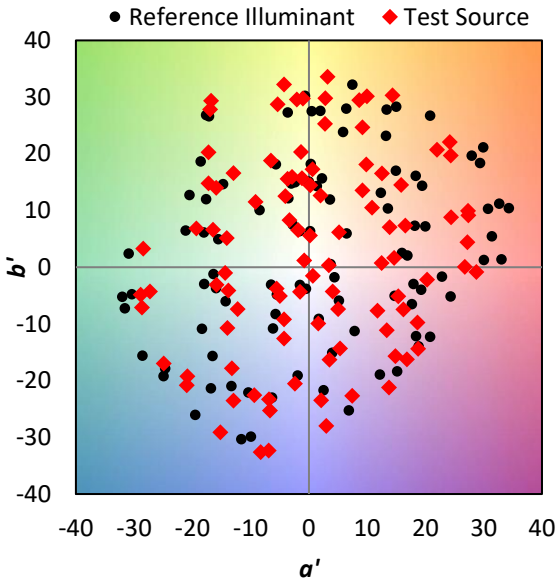
Summary

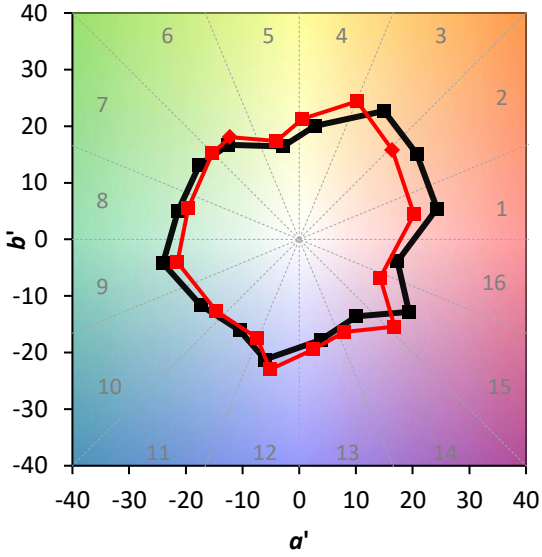
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

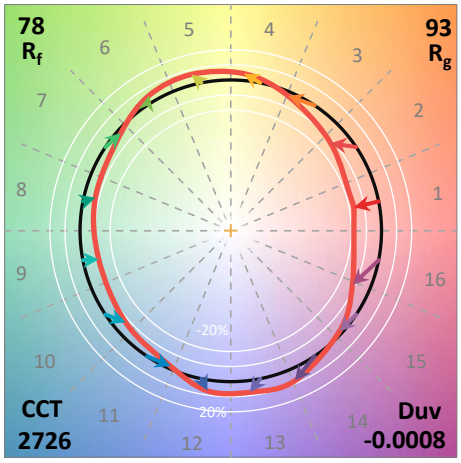
Spectral Power Distribution Comparison

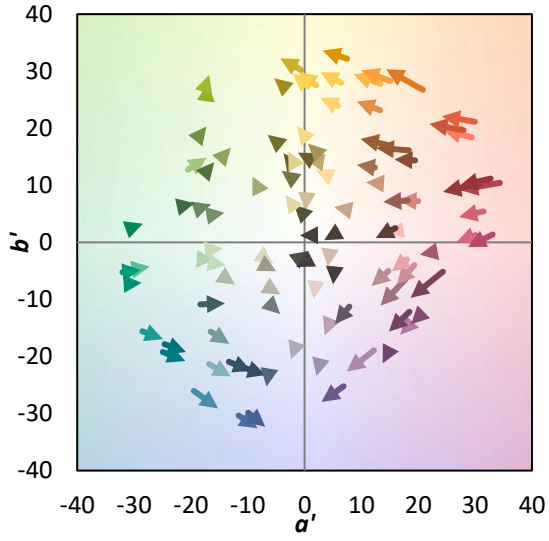


Color Vector Graphics







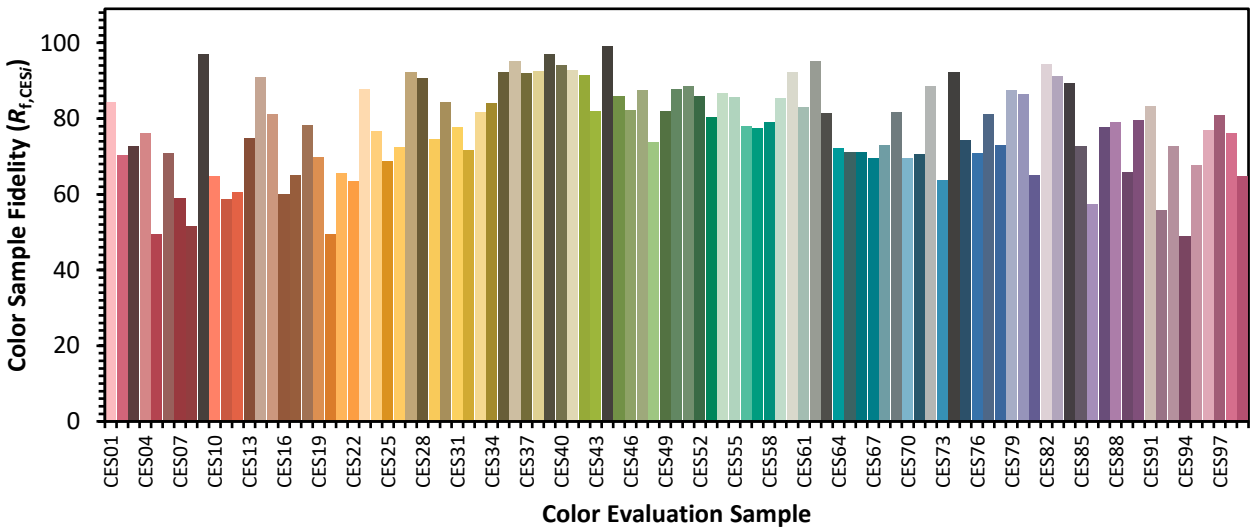


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

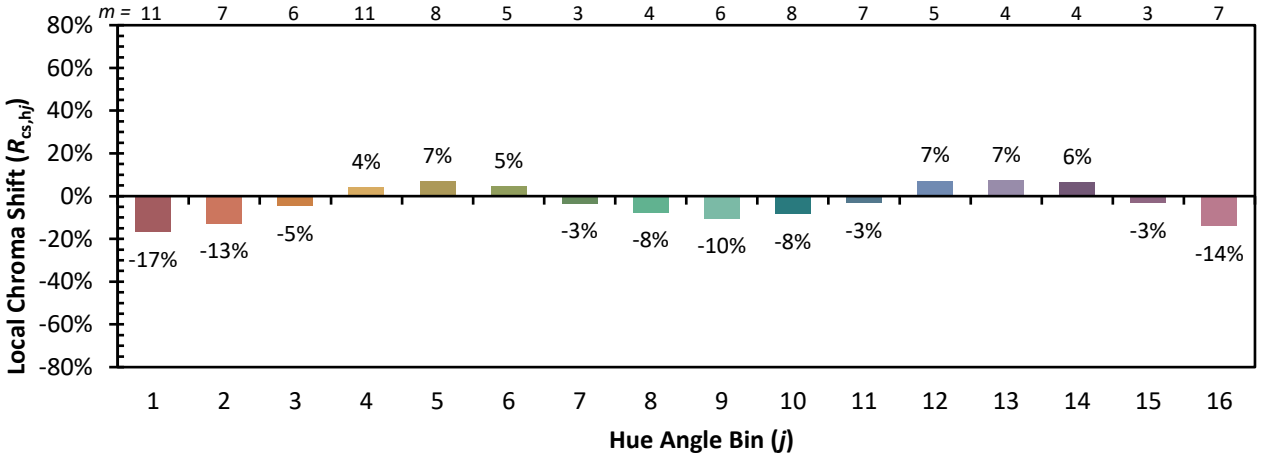
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

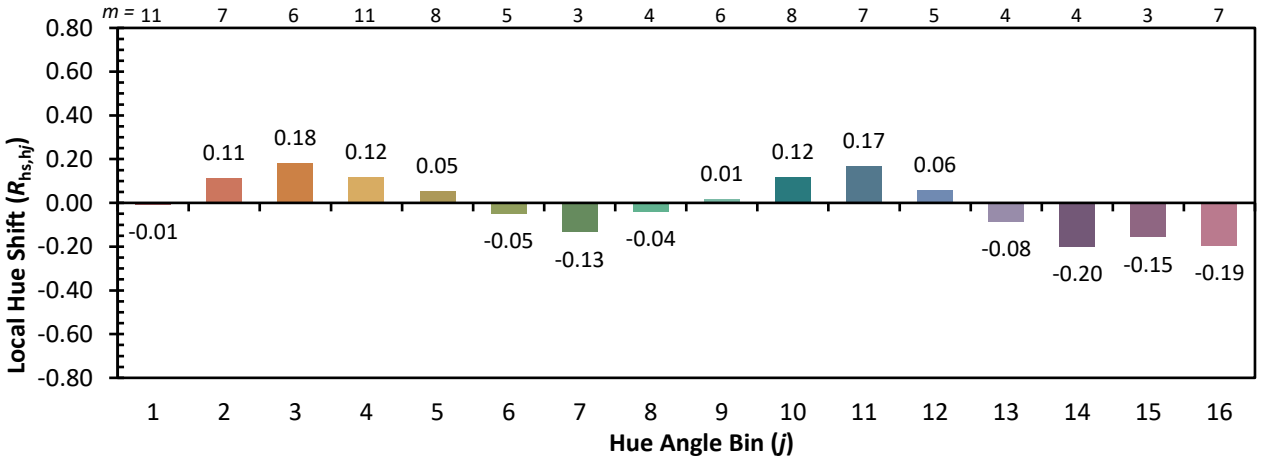


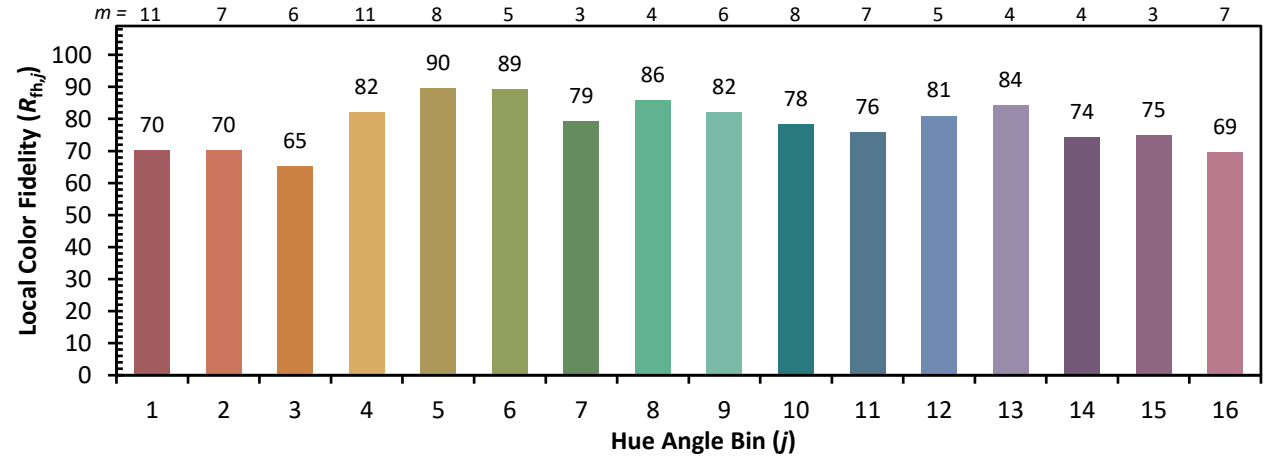
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Color Rendition by Hue-Angle Bin



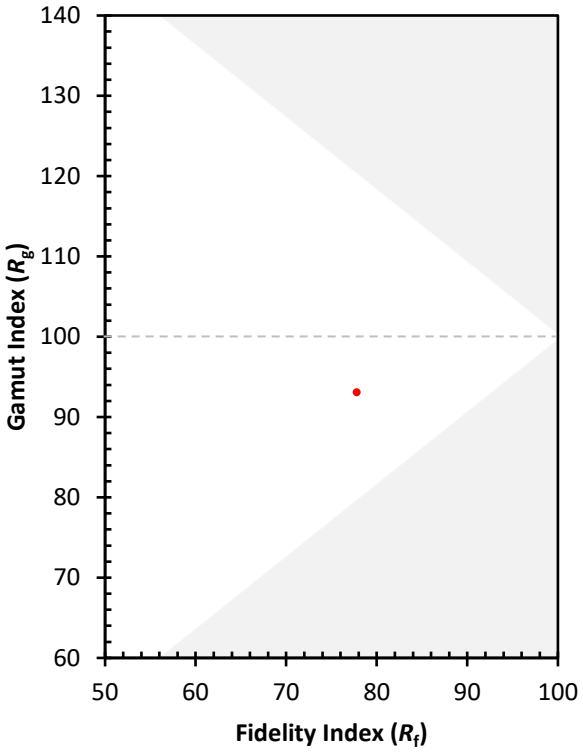


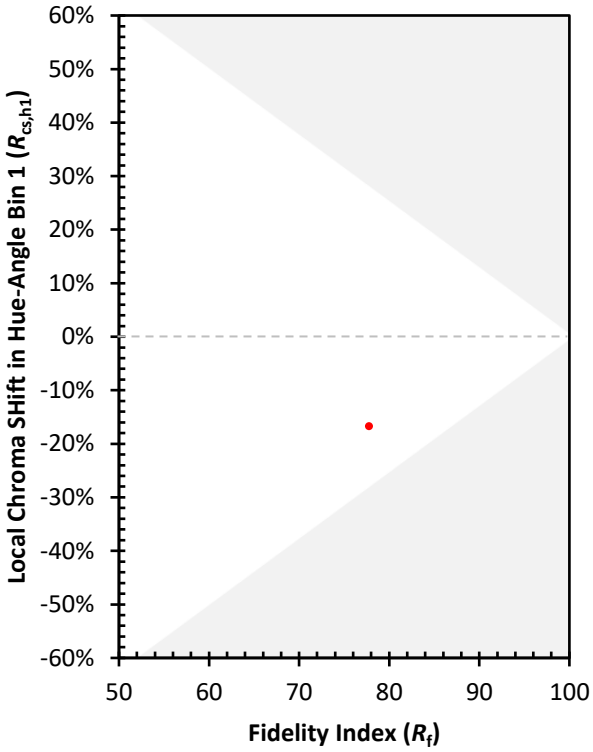


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Measure Comparisons





(END OF REPORT)