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: P1046375

Luminaire Tested: **FFX-CLB-60-727-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046375
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-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8923 lumens
Efficiency:	N/A
Efficacy:	147.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - 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

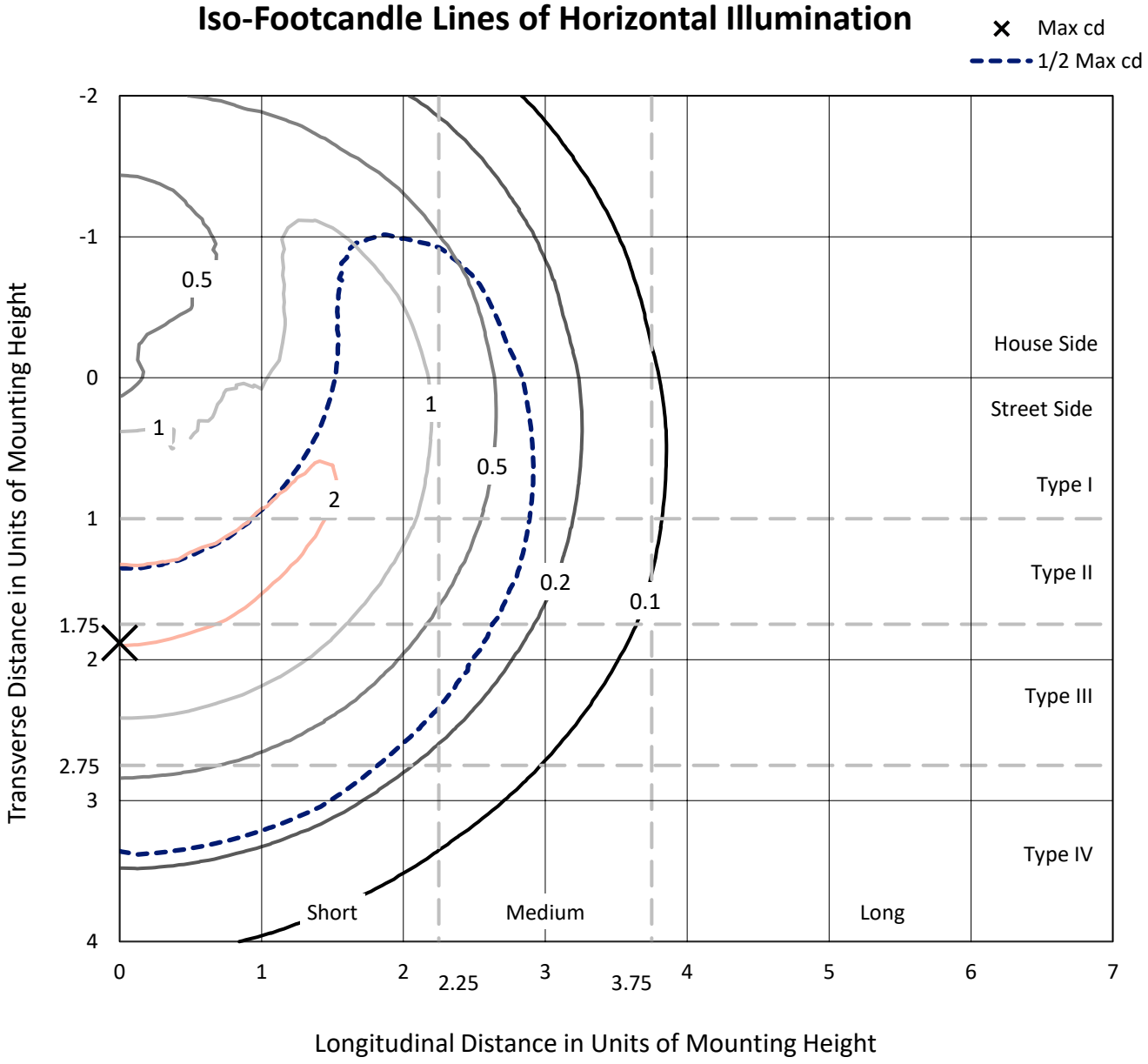


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Iso-Footcandle Lines of Horizontal Illumination



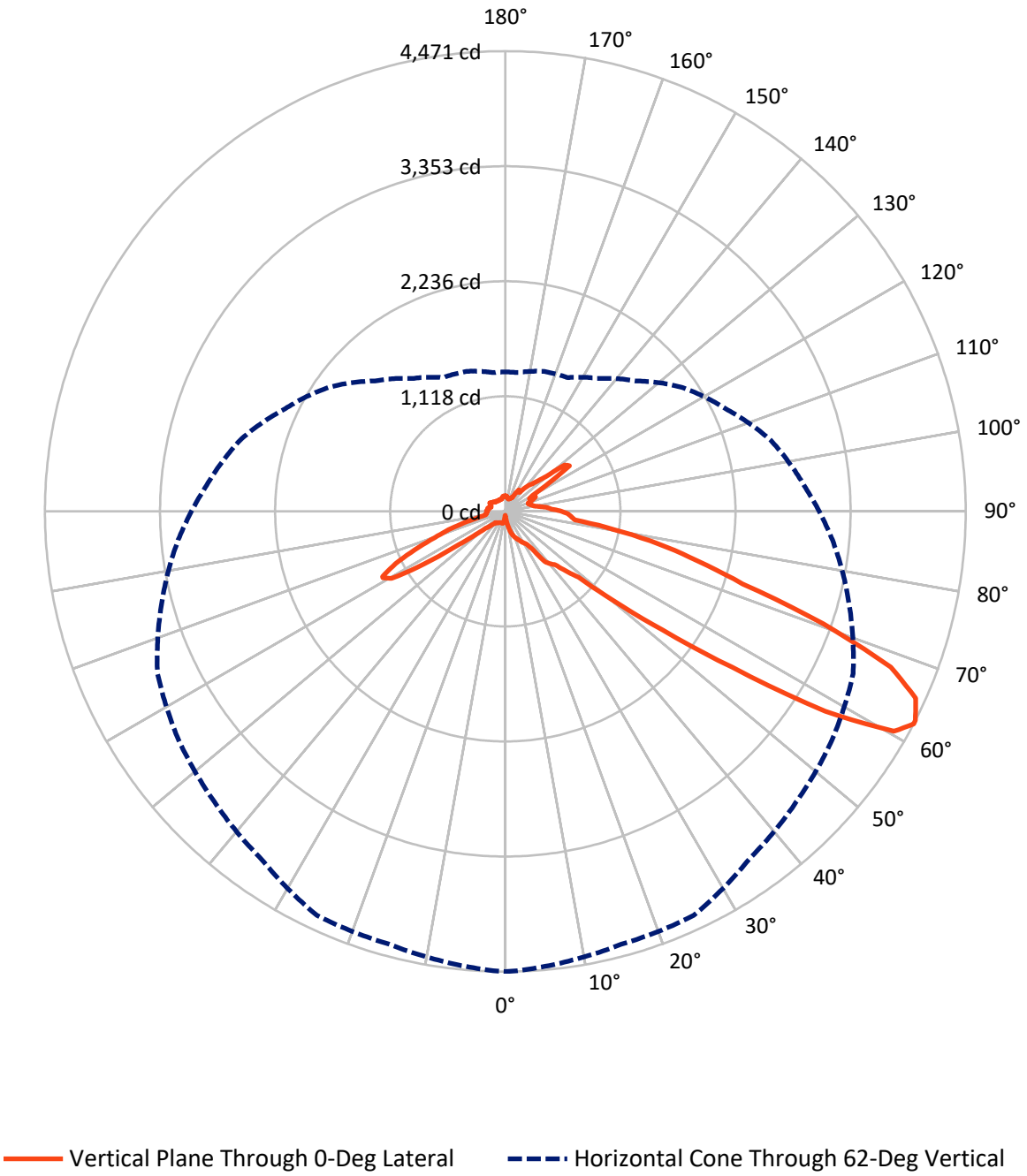
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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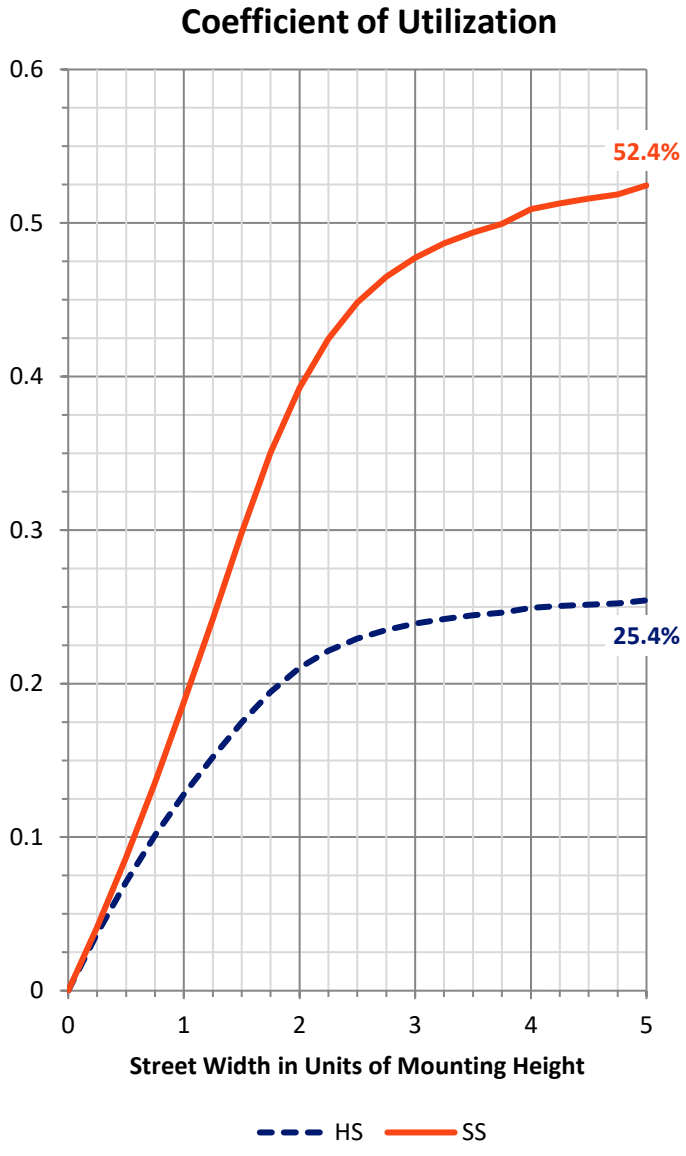
REPORT NUMBER: P1046375
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2347.8	670.8	3018.6
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	4874.1	1030.3	5904.4
	% Fixture	54.6	11.5	66.2
Total	Lumens	7221.9	1701.2	8923.0
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	49.5	0.6
20°-30°	107.2	1.2
30°-40°	214.6	2.4
40°-50°	470.0	5.3
50°-60°	1645.5	18.4
60°-70°	2753.9	30.9
70°-80°	1429.4	16.0
80°-90°	542.9	6.1
90°-100°	346.2	3.9
100°-110°	229.4	2.6
110°-120°	239.6	2.7
120°-130°	400.5	4.5
130°-140°	241.0	2.7
140°-150°	127.5	1.4
150°-160°	67.0	0.8
160°-170°	36.3	0.4
170°-180°	13.6	0.2
0°-90°	7221.9	80.9
0°-180°	8923.0	100.0



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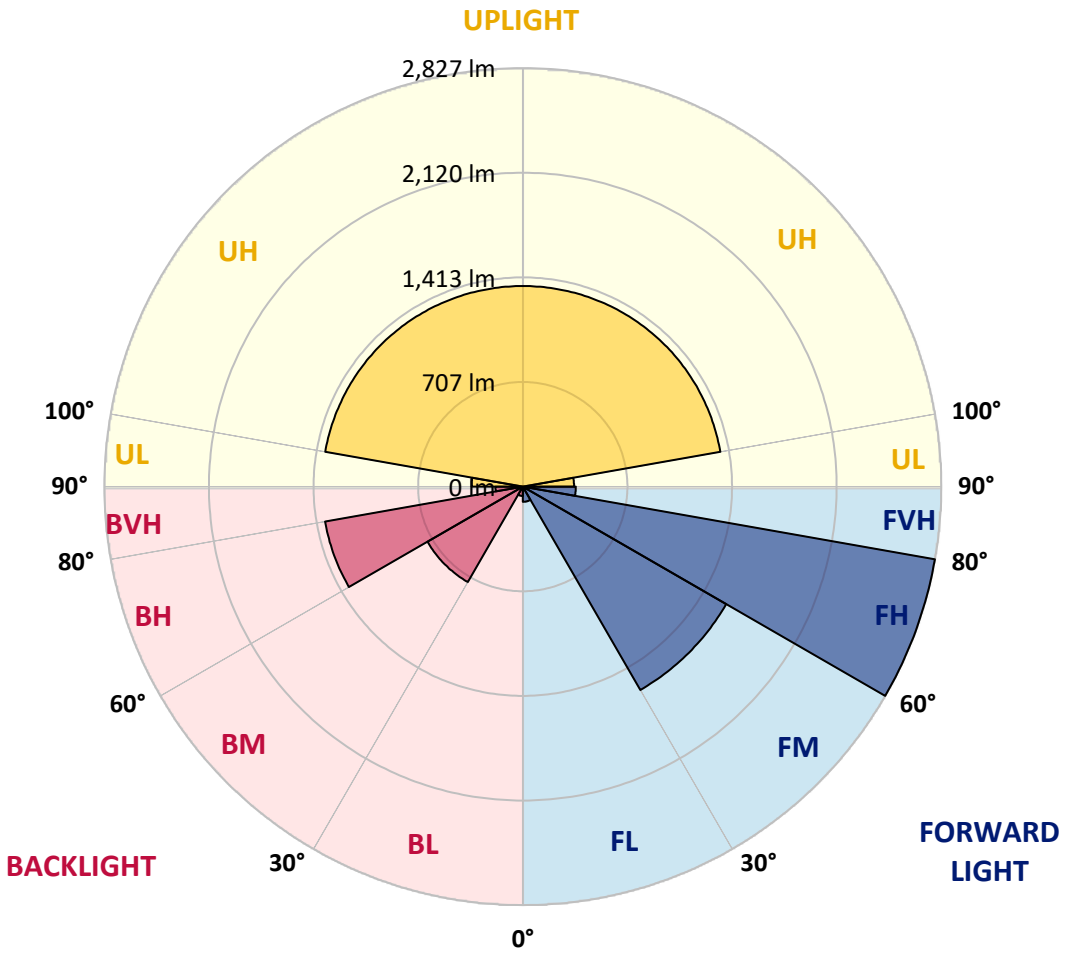
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	102.8	1.2			
FM	(30°-60°)	1586.4	17.8			
FH	(60°-80°)	2826.8	31.7			G2/5000
FVH	(80°-90°)	358.1	4.0			G3/500
BL	(0°-30°)	62.9	0.7	B0/110		
BM	(30°-60°)	743.7	8.3	B1/1000		
BH	(60°-80°)	1356.4	15.2	B3/2500		G3/2500
BVH	(80°-90°)	184.8	2.1			G2/225
UL	(90°-100°)	346.2	3.9		U3/500	
UH	(100°-180°)	1355.0	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	56.2	55.1	55.1	57.3	60.2	60.2	60.7	59.0	59.0	58.5	59.0
5°	81.7	79.5	80.6	81.2	82.3	83.4	84.6	84.6	82.3	80.6	76.1
7.5°	114.1	113.5	114.7	114.1	113.0	115.8	117.5	121.5	122.6	115.2	106.1
10°	147.0	145.3	144.7	145.3	145.9	144.2	147.6	150.4	146.4	137.9	130.0
12.5°	182.8	182.8	182.8	182.2	182.2	181.6	180.5	179.9	176.0	166.3	153.8
15°	222.5	223.1	224.2	223.6	220.8	216.3	212.9	210.0	207.8	200.9	185.0
17.5°	246.9	245.8	246.9	246.4	245.2	242.4	236.1	230.5	223.1	213.4	201.5
20°	269.6	269.1	268.5	268.5	267.4	263.9	260.0	250.9	241.2	231.0	217.4
22.5°	287.2	286.1	287.2	286.7	286.1	284.9	278.1	270.2	259.4	248.1	233.9
25°	309.9	309.4	309.9	308.2	308.2	306.5	302.5	292.3	280.4	267.9	250.3
27.5°	334.9	333.2	334.9	334.3	332.1	327.5	324.1	312.8	298.0	286.1	270.2
30°	355.9	355.9	357.0	353.6	355.9	351.9	344.0	331.5	319.0	303.7	287.2
32.5°	378.0	378.0	376.9	376.3	379.2	374.1	365.0	350.2	340.0	324.1	309.9
35°	439.9	435.4	442.7	442.2	456.4	446.2	429.1	409.3	393.4	372.9	354.2
37.5°	617.6	615.3	611.9	590.3	565.4	569.3	572.2	550.0	530.2	493.3	449.6
40°	668.1	667.5	667.0	654.5	661.3	643.1	634.0	622.7	619.3	571.0	512.6
42.5°	709.5	702.7	709.5	732.2	768.0	755.5	709.5	650.5	639.7	593.7	569.9
45°	821.9	817.4	828.7	835.5	824.2	803.8	816.8	773.7	744.2	678.9	635.2
47.5°	956.5	951.9	962.7	968.4	991.6	970.1	959.9	923.0	873.6	811.7	754.9
50°	1357.8	1306.7	1348.1	1333.9	1339.6	1291.4	1310.7	1257.9	1213.6	1112.0	1009.2
52.5°	1916.9	1899.8	1871.5	1839.7	1864.1	1812.4	1828.3	1771.0	1691.0	1572.9	1421.3
55°	2673.5	2616.2	2634.4	2699.6	2686.0	2593.5	2577.6	2438.0	2294.4	2117.8	1958.3
57.5°	3663.5	3635.1	3602.2	3558.5	3515.9	3420.0	3372.8	3216.7	2993.7	2747.3	2525.4
60°	4337.2	4314.5	4299.8	4166.4	4088.1	3895.1	3851.4	3742.9	3544.3	3276.3	2970.4
62°	4471.2	4467.8	4437.7	4354.8	4331.6	4127.2	3994.4	3873.5	3727.6	3455.7	3189.5
62.5°	4470.1	4463.3	4445.7	4376.4	4352.6	4161.3	4017.1	3888.8	3743.5	3476.7	3215.0
65°	4379.2	4363.9	4356.0	4314.5	4303.8	4191.4	4000.1	3867.8	3745.8	3451.7	3233.8
67.5°	4037.5	4055.7	4056.8	4015.4	3979.6	3912.7	3729.9	3615.2	3531.2	3224.7	3019.2
70°	3277.5	3253.1	3228.1	3247.4	3231.5	3195.2	3049.9	2905.7	2800.7	2640.0	2445.3
72.5°	2409.0	2447.6	2447.0	2452.7	2455.6	2364.2	2299.5	2216.6	2159.8	2020.8	1881.7
75°	1931.1	1934.5	1923.7	1884.0	1841.4	1788.6	1799.9	1792.6	1765.3	1618.3	1480.4
77.5°	1524.6	1487.2	1502.5	1440.1	1385.0	1384.4	1406.6	1428.2	1440.1	1322.0	1215.3
80°	1073.4	1064.9	1051.2	1056.9	1011.5	1023.4	1034.2	1049.0	1025.7	955.9	906.5
82.5°	677.7	670.4	659.6	711.8	755.5	745.9	711.2	655.6	642.6	647.7	636.3
85°	640.9	640.3	630.6	625.5	618.7	603.4	611.9	623.8	617.0	578.4	528.5
87.5°	605.1	603.4	596.0	593.2	580.1	578.4	586.4	590.9	593.7	559.1	517.1
90°	530.2	523.4	516.5	522.2	520.5	521.6	523.9	522.8	523.9	483.1	465.5
92.5°	442.2	440.5	435.4	438.2	442.2	458.1	451.3	440.5	438.8	422.3	405.3
95°	403.6	404.7	398.5	402.4	403.6	403.6	399.0	393.9	390.0	376.9	361.6
97.5°	334.3	329.2	327.0	329.8	330.9	327.0	324.1	315.6	315.0	302.0	294.6
100°	284.4	283.2	282.1	285.5	286.7	284.9	285.5	280.4	279.8	272.5	264.5
102.5°	265.6	265.1	264.5	267.4	268.5	267.4	265.6	260.5	261.7	253.7	248.1
105°	250.9	250.9	250.3	252.0	248.6	246.9	244.6	244.6	245.8	239.5	231.0
107.5°	234.4	233.9	234.4	233.9	229.9	228.2	227.6	225.9	229.9	226.5	217.4

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*237.3*	237.3	236.7	230.5	228.2	225.3	224.2	227.1	225.9	220.2	214.6
112.5°	*290.6*	287.2	289.5	281.0	277.0	279.3	280.4	282.7	287.2	278.1	269.6
115°	*324.7*	325.3	330.9	330.9	322.4	326.4	326.4	325.8	330.4	323.5	315.0
117.5°	*265.1*	268.5	286.7	275.3	278.1	280.4	266.2	261.1	260.0	261.7	279.8
120°	*305.4*	300.8	317.9	282.1	271.3	271.3	281.5	294.6	280.4	258.8	264.5
122.5°	*499.5*	500.1	500.6	516.0	514.3	518.8	510.9	500.6	471.1	471.7	445.0
125°	*764.6*	757.2	757.2	750.4	749.3	738.5	752.1	760.6	737.9	699.3	657.3
127.5°	*731.7*	747.6	741.9	724.9	708.4	702.7	718.6	745.3	732.2	698.2	659.6
130°	*519.4*	523.4	522.2	540.4	544.9	539.2	544.9	525.6	528.5	536.4	516.0
132.5°	*435.4*	433.1	441.0	466.0	475.7	464.3	448.4	434.2	434.8	451.8	450.7
135°	*375.2*	373.5	379.2	380.3	391.1	382.0	367.8	367.8	371.2	375.2	373.5
137.5°	*338.9*	336.6	338.3	325.3	312.2	311.6	323.0	329.2	325.8	321.8	317.3
140°	*291.8*	292.9	290.1	279.3	273.6	274.7	282.1	291.8	288.9	280.4	273.6
142.5°	*232.2*	229.9	233.3	241.2	252.6	252.6	241.2	229.3	228.8	232.7	238.4
145°	*228.8*	227.6	228.2	226.5	228.8	226.5	223.1	219.7	215.7	212.9	210.6
147.5°	*248.1*	248.1	247.5	244.6	242.4	238.4	239.5	243.5	245.8	243.5	240.1
150°	*201.5*	203.2	203.2	202.6	200.4	202.1	204.3	205.5	207.8	207.8	204.3
152.5°	*155.0*	154.4	156.1	153.8	153.3	154.4	157.2	159.5	160.1	160.1	155.5
155°	*147.6*	146.4	147.6	146.4	145.3	146.4	148.7	149.9	151.0	149.3	144.7
157.5°	*137.9*	137.9	137.9	136.8	137.4	137.4	138.5	139.1	139.6	139.1	137.9
160°	*130.6*	130.6	131.1	130.6	130.6	131.7	131.1	130.6	130.6	130.0	129.4
162.5°	*126.0*	126.0	126.0	126.0	125.4	125.4	126.0	125.4	124.9	124.3	125.4
165°	*123.7*	123.2	123.2	123.2	123.7	123.2	123.2	123.2	122.6	124.3	126.6
167.5°	*128.3*	127.1	127.7	128.3	128.3	127.7	127.7	127.7	128.9	130.6	132.3
170°	*134.5*	134.0	134.0	134.5	134.5	134.0	134.0	134.0	134.5	135.1	135.7
172.5°	*139.6*	139.1	139.1	139.1	138.5	137.9	137.9	137.9	137.9	137.9	138.5
175°	*144.7*	144.7	144.7	144.7	144.2	143.6	143.6	143.6	143.6	143.6	143.6
177.5°	*150.4*	149.9	150.4	149.9	149.9	149.9	149.3	148.7	148.2	148.2	148.2
180°	*149.3*	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	57.9	57.3	53.9	51.1	48.8	46.5	43.1	40.3	38.0	37.5	37.5
5°	74.9	73.8	70.4	65.8	63.6	60.2	56.8	54.5	51.7	50.5	51.1
7.5°	103.3	103.9	105.0	107.3	106.1	96.5	85.7	83.4	85.7	89.1	90.8
10°	128.3	126.6	126.0	133.4	131.7	117.5	103.3	98.8	102.7	110.1	113.5
12.5°	148.7	145.3	144.7	145.9	139.1	123.7	111.8	106.7	109.0	114.7	114.1
15°	178.8	173.7	166.3	161.8	153.3	142.5	127.7	119.2	119.2	119.2	118.6
17.5°	196.4	190.7	176.5	163.5	152.7	144.7	135.1	127.1	118.6	117.5	116.9
20°	211.7	203.2	187.9	173.7	160.1	148.7	135.1	125.4	118.1	116.9	116.4
22.5°	224.8	216.8	200.4	183.3	166.3	153.3	138.5	128.3	120.9	118.6	118.1
25°	242.4	233.9	215.1	195.3	175.4	158.9	145.3	133.4	124.3	119.8	119.8
27.5°	260.0	250.3	229.3	208.9	187.3	166.9	151.6	139.6	128.3	122.0	121.5
30°	277.0	266.2	243.5	220.2	198.7	177.1	159.5	145.9	133.4	126.6	126.0
32.5°	300.8	288.4	261.7	232.7	211.2	187.9	168.0	152.1	139.1	132.3	131.1
35°	347.4	333.2	303.1	265.6	231.6	200.4	176.5	155.5	143.0	135.7	135.1
37.5°	433.7	417.2	375.2	329.2	282.7	235.6	191.9	160.1	145.9	139.1	137.9
40°	485.3	453.0	408.7	372.4	337.2	291.8	235.6	185.6	151.6	143.6	142.5
42.5°	552.3	518.8	454.7	385.4	340.6	304.8	265.1	232.7	183.9	155.5	150.4
45°	615.9	590.3	535.3	461.5	393.4	331.5	282.1	250.9	219.7	187.3	182.2
47.5°	722.6	685.1	612.5	537.0	467.7	398.5	340.0	279.3	239.0	219.7	218.5
50°	996.2	928.1	823.1	732.8	602.3	496.1	426.9	345.7	294.0	263.9	254.3
52.5°	1349.8	1278.9	1159.1	1028.5	883.8	747.0	611.3	495.0	411.0	358.2	359.9
55°	1876.6	1805.6	1629.7	1406.0	1207.3	1064.9	919.6	778.2	643.1	565.4	555.7
57.5°	2432.3	2368.7	2218.3	1945.3	1629.1	1365.7	1193.2	1093.3	1024.0	939.4	939.4
60°	2839.8	2734.3	2564.0	2288.7	2008.3	1662.0	1440.6	1297.6	1285.1	1270.4	1281.7
62°	*3048.2*	*2911.9*	*2669.0*	*2359.6*	*2099.1*	*1790.9*	*1575.7*	*1433.8*	*1408.9*	*1353.2*	*1354.4*
62.5°	3083.4	2932.9	2686.6	2359.6	2107.0	1802.2	1590.5	1452.0	1417.4	1349.3	1350.4
65°	3118.5	2937.5	2699.6	2321.6	2062.2	1763.1	1600.1	1419.6	1328.8	1214.7	1181.2
67.5°	2916.5	2730.9	2527.1	2158.7	1889.1	1600.1	1419.6	1238.6	1090.4	974.6	956.5
70°	2368.7	2222.8	2065.6	1784.1	1548.5	1314.6	1161.4	997.9	850.3	722.6	730.5
72.5°	1797.7	1661.4	1517.3	1338.5	1192.0	1034.8	899.1	767.4	644.8	565.4	580.1
75°	1392.4	1301.6	1199.4	1069.4	958.2	812.8	658.4	541.5	458.6	410.4	413.2
77.5°	1144.9	1050.7	967.2	848.0	742.5	593.7	445.0	345.1	296.9	275.3	269.6
80°	880.4	811.7	737.9	631.2	514.8	400.2	299.1	252.6	220.8	204.9	198.7
82.5°	614.7	572.2	510.3	433.1	366.1	324.1	280.4	241.2	208.3	193.6	186.7
85°	506.3	483.6	449.6	405.9	366.1	319.6	270.8	231.0	202.6	191.3	185.0
87.5°	493.3	477.9	439.3	392.8	345.1	297.4	248.1	211.2	193.0	185.6	179.9
90°	452.4	434.8	407.6	361.6	319.0	267.9	227.6	205.5	191.9	183.3	177.1
92.5°	394.5	384.9	359.9	327.0	297.4	264.5	235.6	215.7	201.5	191.3	185.0
95°	350.8	339.4	325.3	298.6	274.2	247.5	220.8	202.1	187.3	176.5	171.4
97.5°	288.4	280.4	266.8	249.2	231.0	209.5	190.7	178.2	168.6	163.5	160.1
100°	261.7	256.6	248.6	236.1	221.4	206.0	192.4	185.6	181.6	178.2	176.5
102.5°	242.4	236.7	230.5	217.4	206.0	192.4	183.3	177.7	172.6	166.9	165.7
105°	225.3	220.8	212.3	201.5	190.2	177.1	166.3	162.9	158.4	153.3	152.7
107.5°	212.3	207.8	200.4	189.0	178.8	167.5	157.8	152.7	147.6	144.7	144.2

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

Scaled Data Report

REPORT NUMBER: P1046375
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	211.2	207.8	199.8	190.2	182.2	170.9	160.1	158.4	152.7	145.9	145.3
112.5°	263.4	252.6	237.3	221.4	207.8	196.4	182.8	169.2	157.8	151.0	149.9
115°	305.4	294.6	275.9	252.6	231.0	206.6	183.3	166.3	160.1	158.4	160.6
117.5°	287.2	264.5	232.7	218.5	199.8	186.7	177.7	173.7	163.5	166.3	169.2
120°	275.9	260.5	232.7	230.5	221.9	207.2	186.2	181.6	176.0	171.4	170.9
122.5°	443.3	428.6	396.8	348.5	296.3	261.1	248.1	220.8	187.9	162.9	158.9
125°	628.4	604.5	542.1	488.7	419.5	345.1	278.1	220.8	176.0	152.1	149.3
127.5°	640.9	614.2	559.7	487.6	399.6	308.8	239.5	198.1	168.0	152.1	149.3
130°	499.5	482.5	442.2	374.6	313.9	260.0	220.8	187.3	160.1	148.2	146.4
132.5°	441.6	426.3	369.0	312.8	272.5	231.0	198.1	166.3	143.0	135.1	134.0
135°	365.0	348.0	309.9	275.3	245.8	212.3	179.4	152.1	135.7	131.7	131.1
137.5°	311.6	303.7	275.3	250.9	224.2	195.3	168.0	147.0	136.8	133.4	132.8
140°	269.1	267.4	249.8	228.2	201.5	170.9	149.9	137.4	133.4	131.7	131.1
142.5°	237.8	235.6	216.3	191.3	167.5	151.6	143.6	139.6	136.2	131.7	130.6
145°	206.0	202.1	190.2	179.4	172.0	166.9	159.5	147.0	134.0	127.1	126.6
147.5°	234.4	227.6	214.6	199.2	183.3	166.9	151.6	138.5	127.7	123.7	123.2
150°	197.0	196.4	187.9	176.0	164.0	149.3	137.9	129.4	124.9	124.3	124.3
152.5°	152.7	152.7	152.7	149.9	144.2	136.2	127.7	122.6	122.6	124.9	125.4
155°	143.6	144.2	144.7	143.6	139.1	131.7	124.3	122.0	122.6	124.9	125.4
157.5°	136.8	136.8	137.4	136.2	134.0	128.9	123.7	121.5	122.0	123.2	123.7
160°	128.9	128.9	129.4	129.4	127.1	125.4	123.2	121.5	121.5	122.0	122.6
162.5°	126.0	126.0	126.0	126.0	125.4	125.4	125.4	125.4	124.9	124.9	124.9
165°	127.1	127.1	125.4	124.9	126.0	127.7	130.6	131.1	128.3	127.7	127.7
167.5°	132.8	132.8	131.1	130.0	131.7	133.4	137.4	138.5	136.2	134.0	134.0
170°	136.2	136.2	136.2	136.8	137.4	139.1	141.3	142.5	141.9	141.3	141.3
172.5°	138.5	138.5	139.6	140.8	142.5	143.6	144.7	145.9	147.0	147.0	147.6
175°	143.0	143.6	144.7	145.3	146.4	147.6	148.7	149.9	150.4	150.4	150.4
177.5°	147.6	147.6	147.6	148.2	148.7	149.3	149.9	150.4	150.4	151.0	151.6
180°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3

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

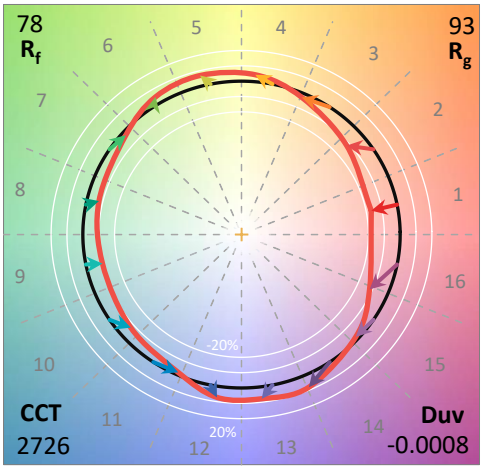
Test Information

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

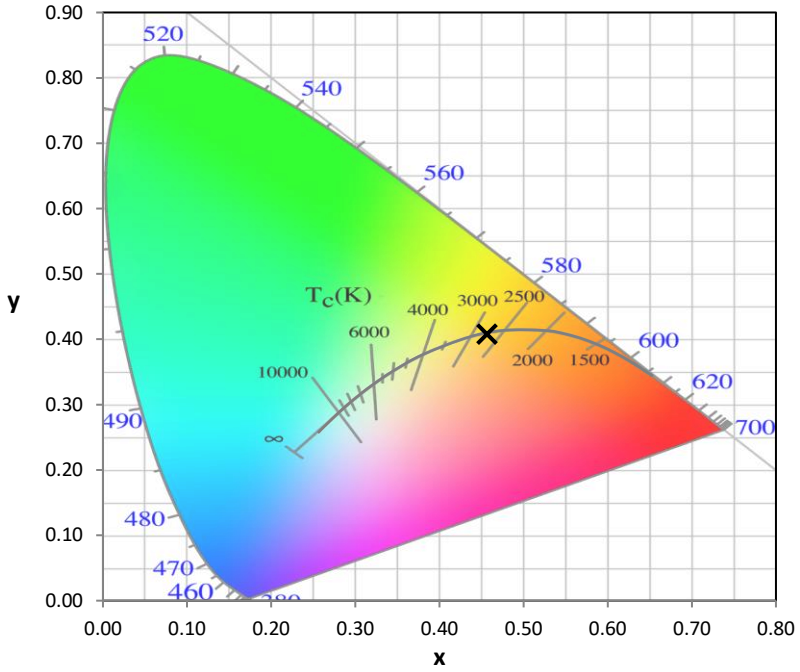
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

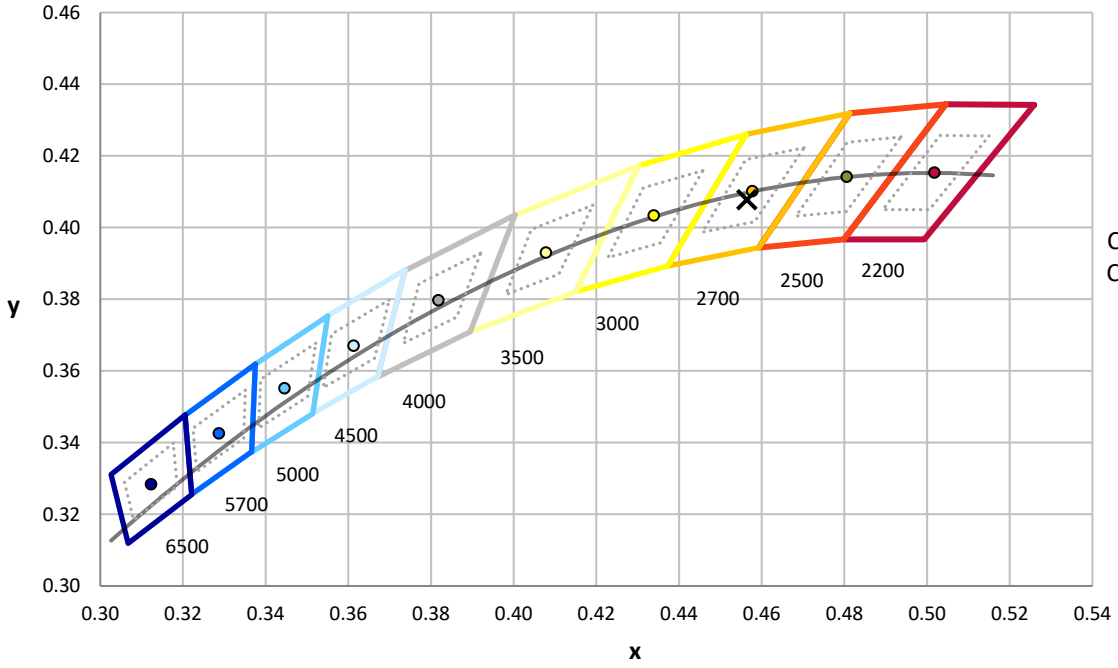
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

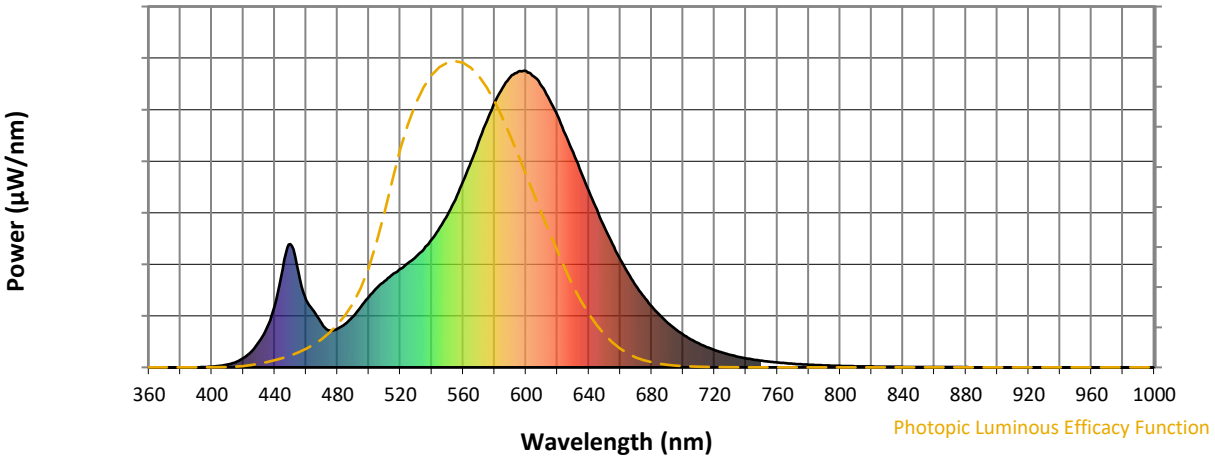


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

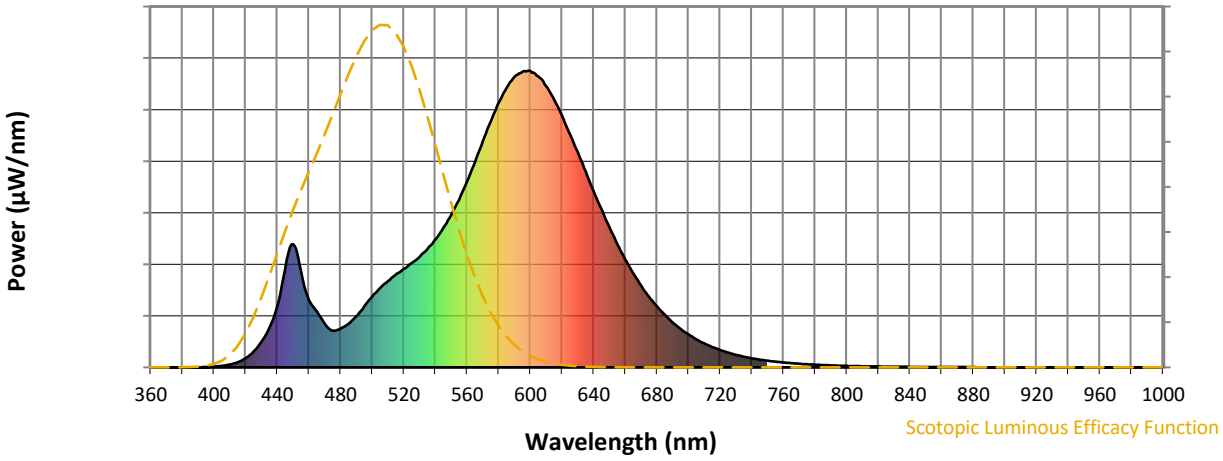


Photopic Lumens: NR

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

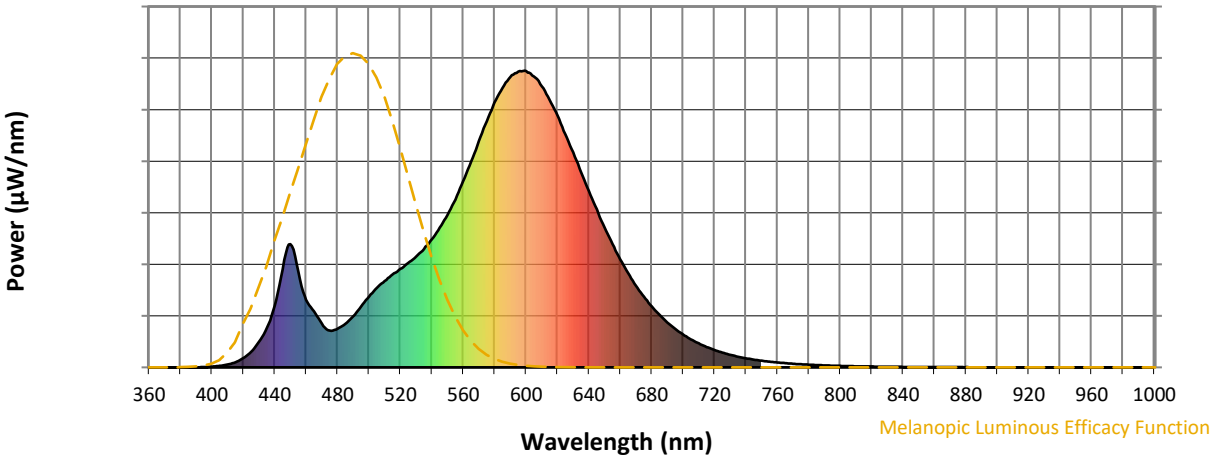


Scotopic Lumens: NR **S/P: 1.16**

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			

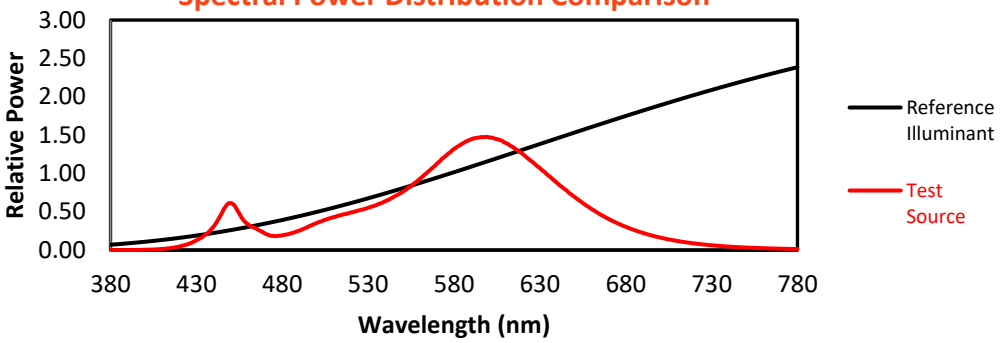
REPORT NUMBER: SP1-2501-332-3

TM-30-18

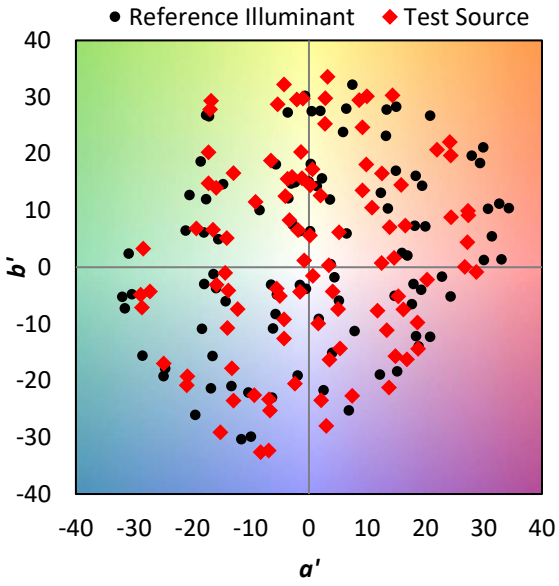
Summary

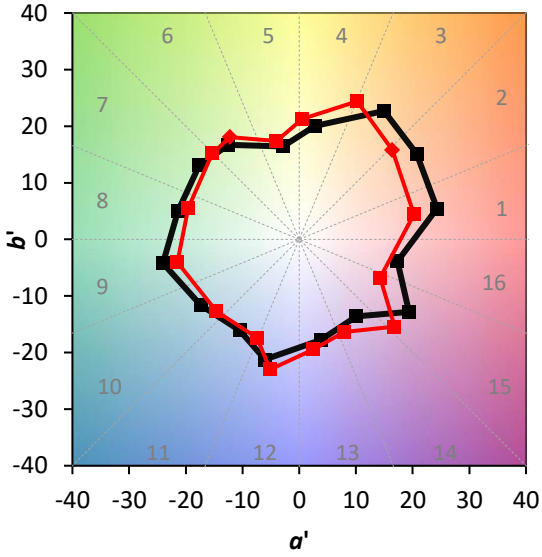
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

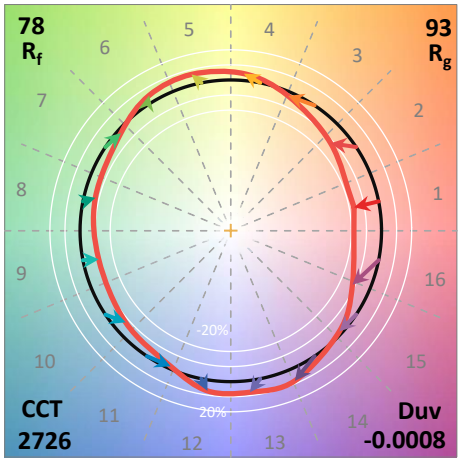
Spectral Power Distribution Comparison

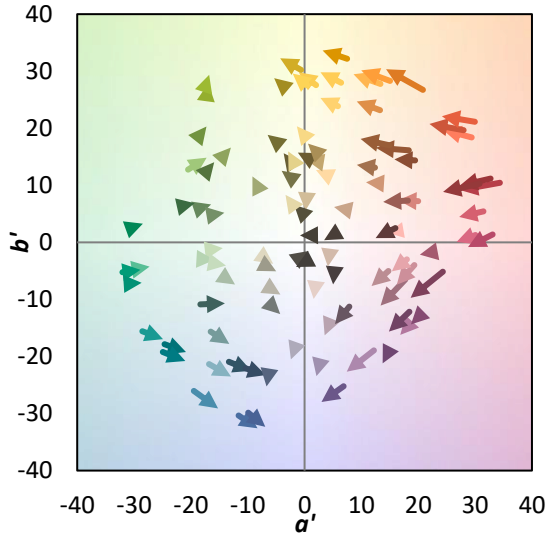


Color Vector Graphics







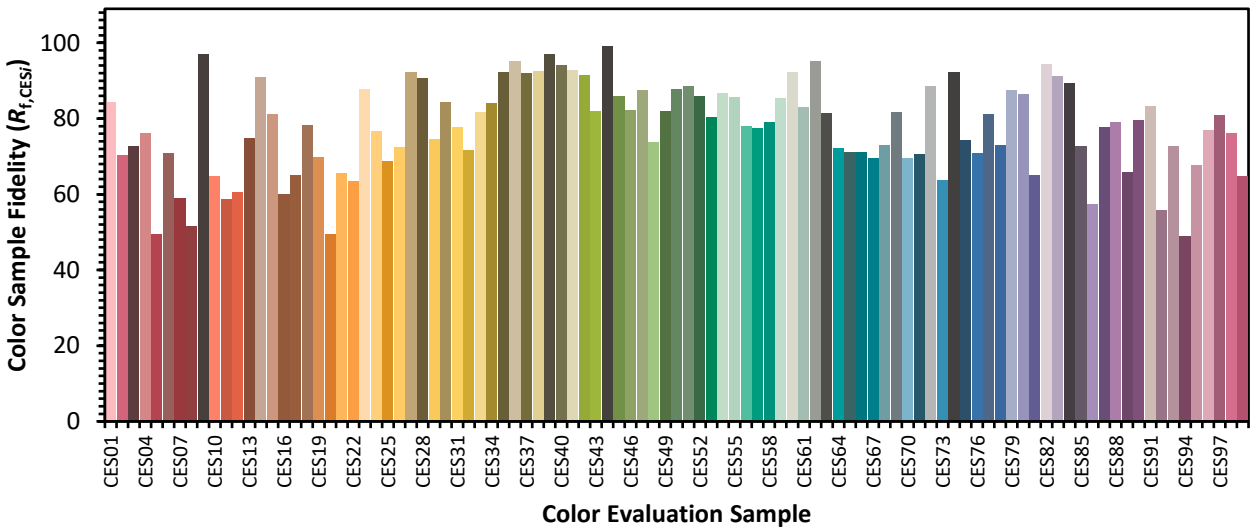


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

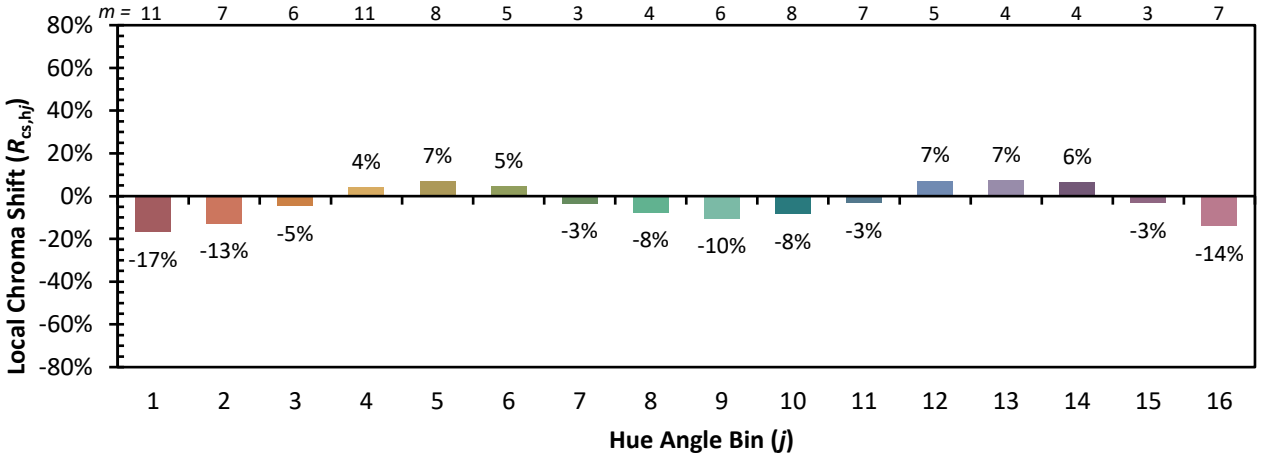
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

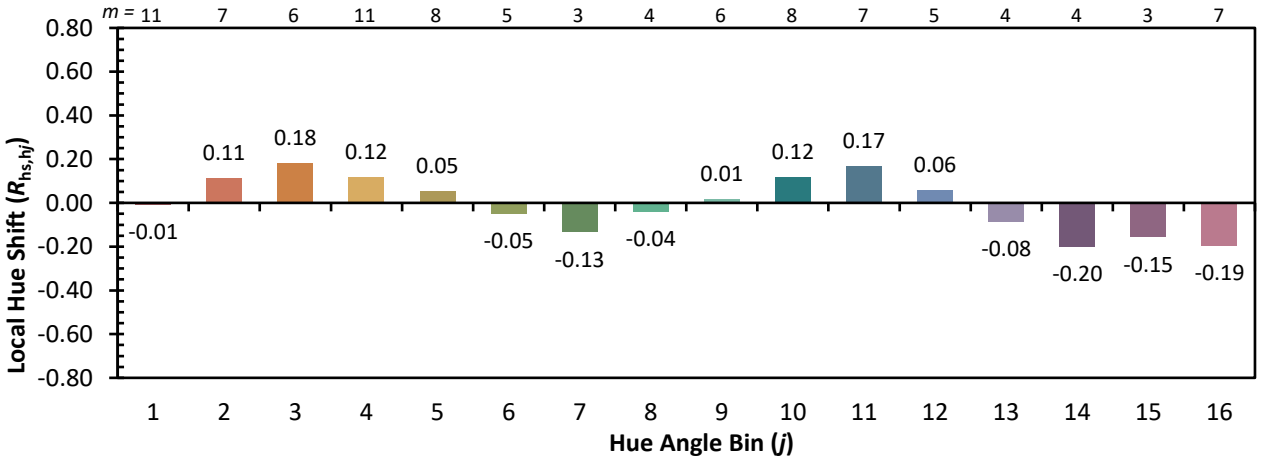


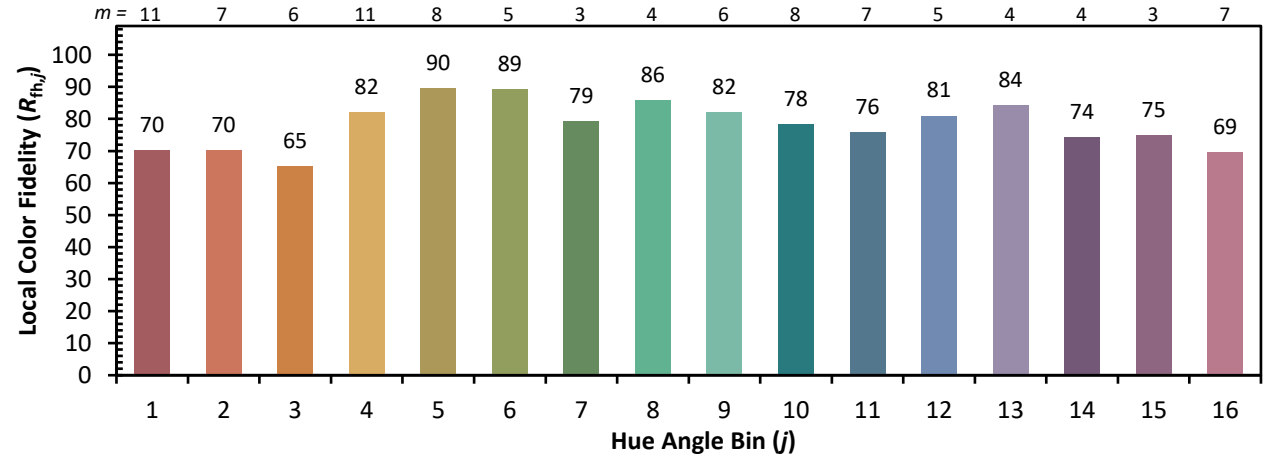
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Color Rendition by Hue-Angle Bin



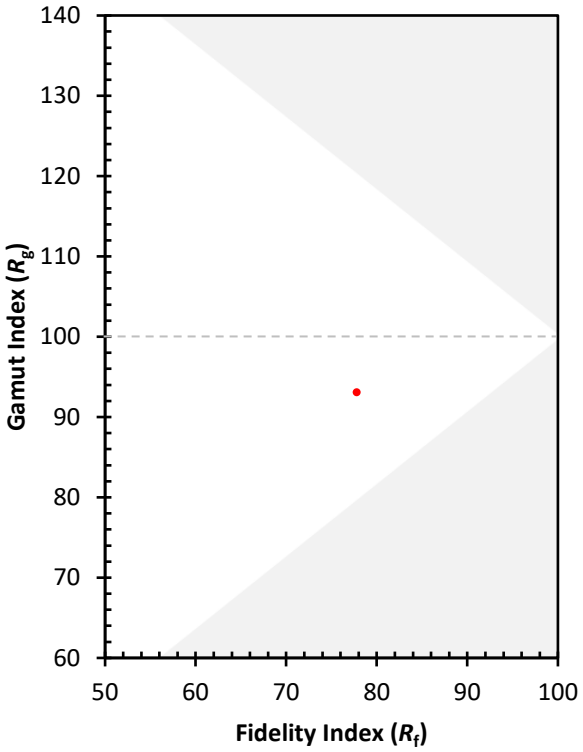


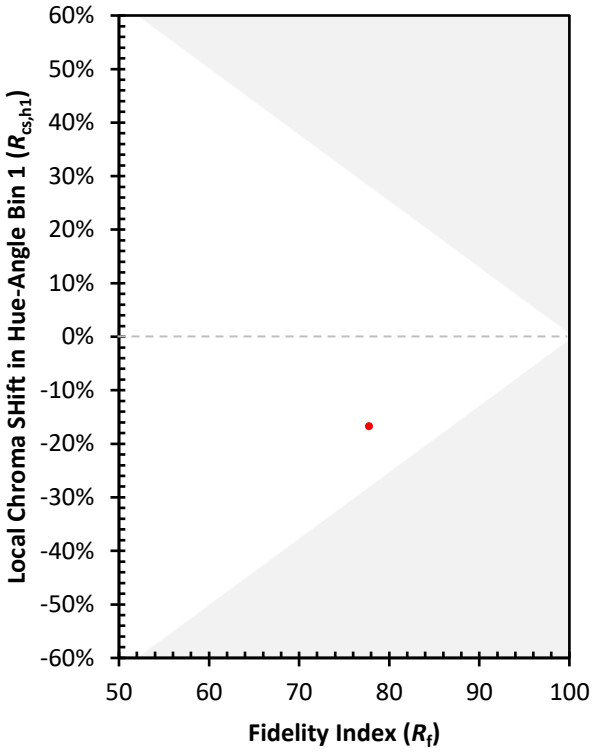


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Measure Comparisons





(END OF REPORT)