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: P1046420

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

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:	P1046420
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-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND UPLIGHT REFLECTOR
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8649.6 lumens
Efficiency:	N/A
Efficacy:	142.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - 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

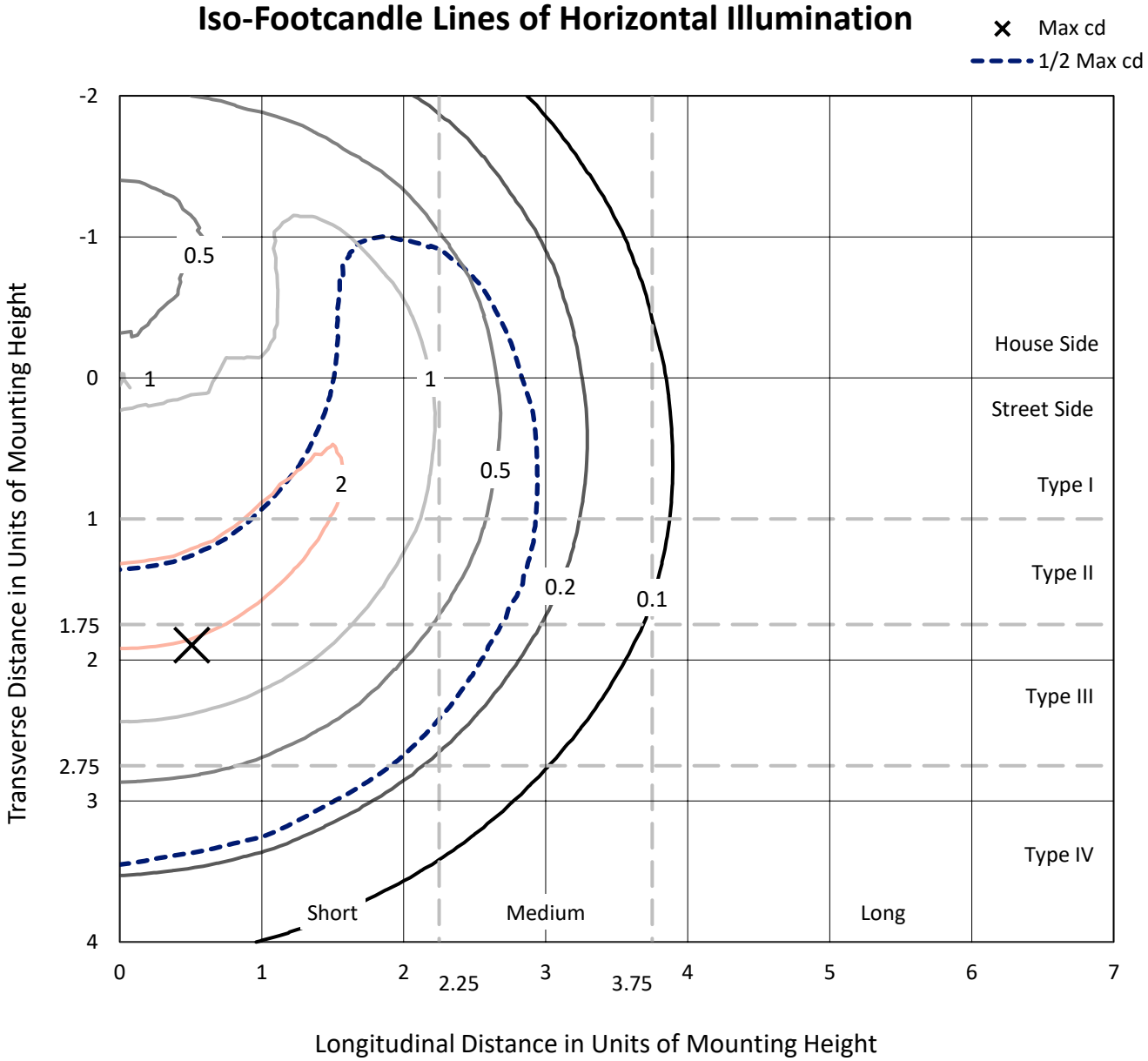


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Iso-Footcandle Lines of Horizontal Illumination



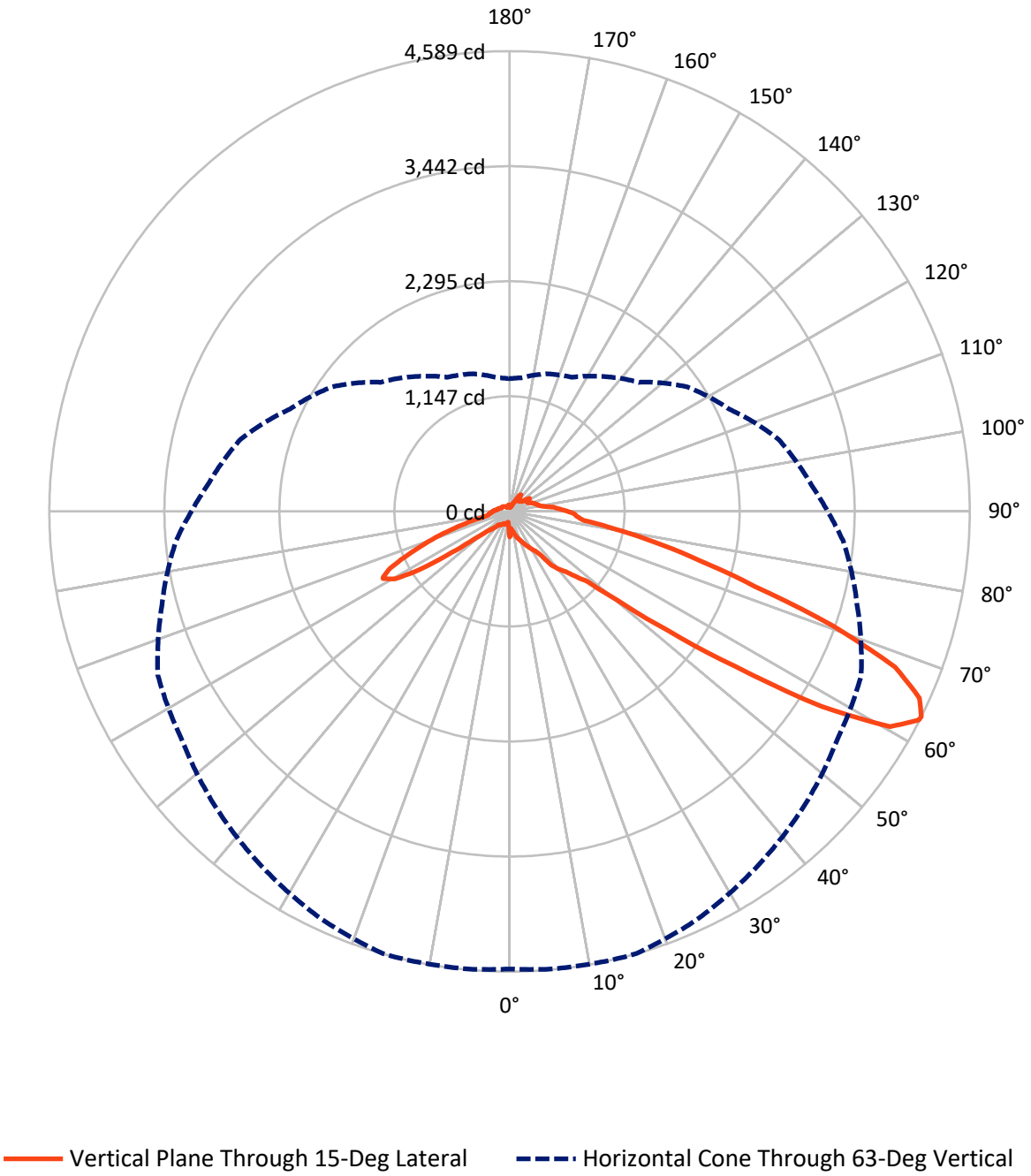
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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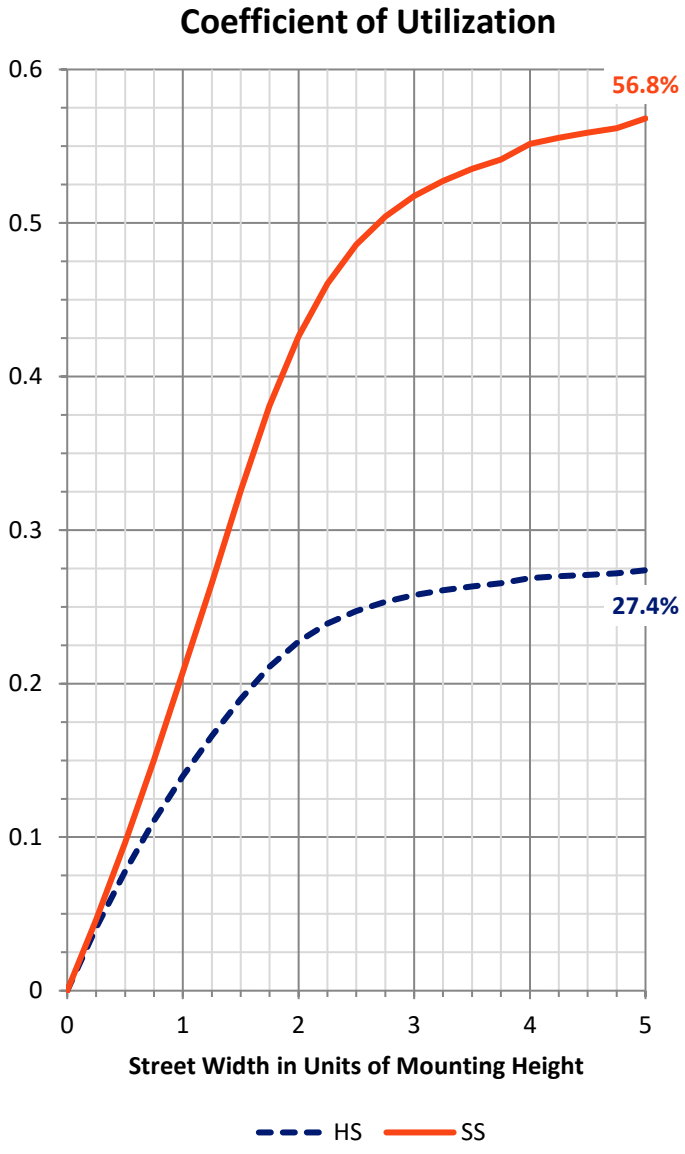
REPORT NUMBER: P1046420
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2446.3	398.6	2844.8
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	5122.1	682.7	5804.8
	% Fixture	59.2	7.9	67.1
Total	Lumens	7568.4	1081.3	8649.6
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.2
10°-20°	56.6	0.7
20°-30°	122.7	1.4
30°-40°	252.3	2.9
40°-50°	520.2	6.0
50°-60°	1711.1	19.8
60°-70°	2833.1	32.8
70°-80°	1486.0	17.2
80°-90°	570.6	6.6
90°-100°	344.7	4.0
100°-110°	217.1	2.5
110°-120°	160.8	1.9
120°-130°	136.9	1.6
130°-140°	89.2	1.0
140°-150°	77.6	0.9
150°-160°	35.5	0.4
160°-170°	14.5	0.2
170°-180°	5.0	0.1
0°-90°	7568.4	87.5
0°-180°	8649.6	100.0



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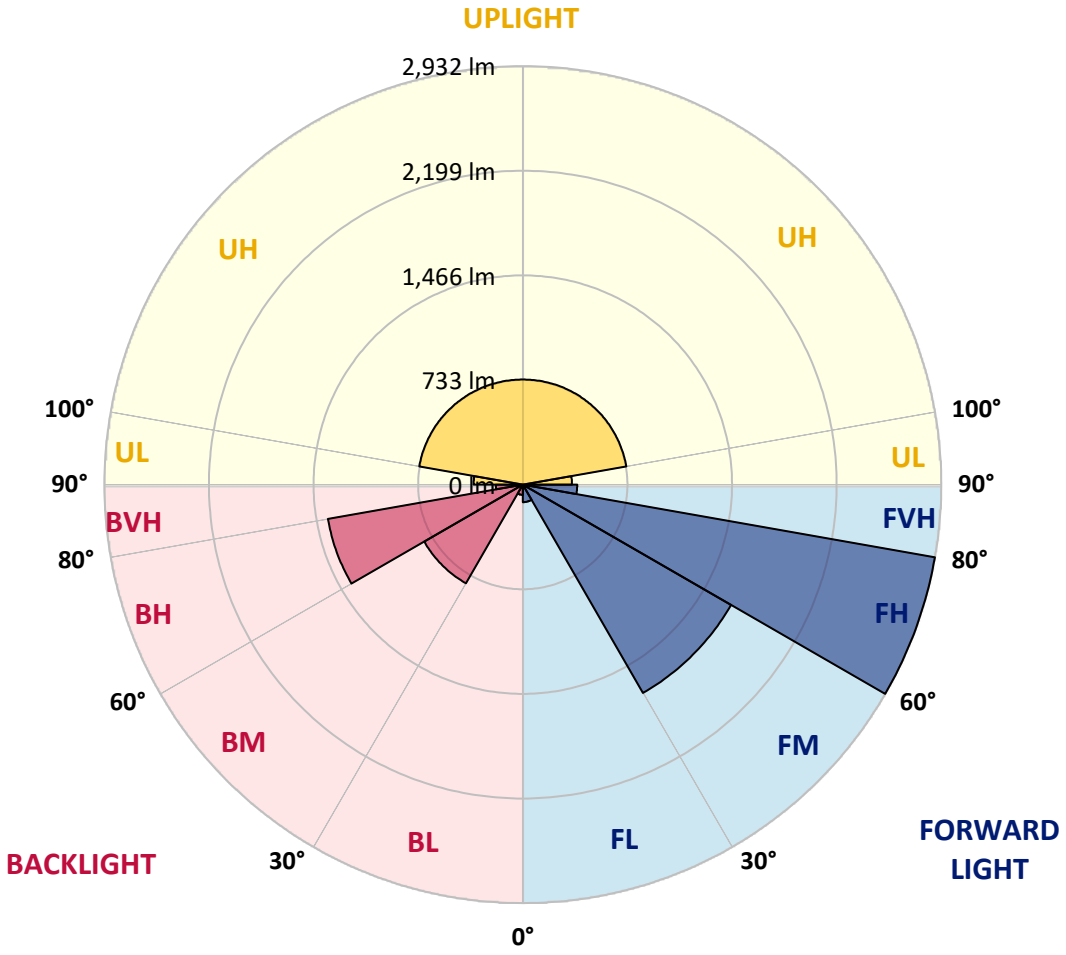
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	123.1	1.4			
FM	(30°-60°)	1685.4	19.5			
FH	(60°-80°)	2932.4	33.9			G2/5000
FVH	(80°-90°)	381.2	4.4			G3/500
BL	(0°-30°)	72.0	0.8	B0/110		
BM	(30°-60°)	798.1	9.2	B1/1000		
BH	(60°-80°)	1386.8	16.0	B3/2500		G3/2500
BVH	(80°-90°)	189.4	2.2			G2/225
UL	(90°-100°)	344.7	4.0		U3/500	
UH	(100°-180°)	736.6	8.5		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
0°	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5
2.5°	157.2	157.2	180.0	183.9	205.5	212.3	200.4	191.3	213.4	258.9	266.2
5°	170.9	174.3	173.7	173.1	174.3	194.7	215.7	206.1	169.2	134.5	134.5
7.5°	193.6	194.7	194.1	193.6	186.2	174.3	169.2	184.5	194.1	165.2	138.5
10°	209.5	208.3	207.8	207.2	208.3	212.9	211.2	192.4	173.7	164.1	158.4
12.5°	239.6	240.1	238.4	237.3	236.2	234.5	232.7	236.7	226.5	198.7	180.0
15°	262.3	262.3	266.8	265.7	265.7	260.0	252.1	240.7	227.1	219.7	203.2
17.5°	286.1	286.7	286.1	286.1	283.8	276.5	267.9	257.7	243.5	231.0	216.9
20°	309.4	309.4	308.8	308.3	307.7	302.0	291.2	277.6	264.5	252.6	237.9
22.5°	333.8	335.5	336.6	335.5	333.8	328.1	316.2	303.1	290.7	273.6	257.7
25°	368.4	369.0	367.9	366.7	364.5	357.1	348.0	334.4	319.0	300.9	279.9
27.5°	401.4	402.5	401.9	401.9	397.4	391.1	382.1	363.9	346.9	325.8	304.3
30°	438.8	437.7	434.8	435.4	432.6	427.5	417.2	401.4	379.8	354.8	331.0
32.5°	475.7	475.7	471.7	470.0	470.0	463.2	451.9	435.4	415.0	388.3	365.0
35°	516.0	526.2	536.5	540.4	540.4	530.8	517.2	495.6	478.0	450.2	421.2
37.5°	709.6	703.4	678.4	681.2	672.7	668.7	659.6	641.5	617.1	574.5	530.2
40°	777.7	776.6	757.9	755.6	751.6	738.6	728.9	716.4	707.9	656.8	590.4
42.5°	789.6	795.9	820.9	827.1	859.5	839.6	801.0	730.6	713.0	674.4	646.6
45°	923.6	925.9	925.9	927.0	918.5	903.7	898.6	853.8	818.6	763.0	710.7
47.5°	1057.0	1062.1	1042.3	1058.2	1080.3	1050.2	1036.6	999.7	951.4	908.3	822.6
50°	1367.0	1386.8	1390.8	1391.4	1401.0	1398.8	1378.3	1327.2	1279.0	1180.2	1084.8
52.5°	1940.9	1960.2	1968.7	1948.3	1918.2	1904.6	1909.7	1888.7	1776.8	1670.7	1477.1
55°	2690.2	2723.7	2723.7	2745.3	2736.2	2671.5	2667.5	2530.2	2349.6	2231.6	2063.0
57.5°	3692.8	3642.2	3670.6	3701.3	3638.8	3570.7	3469.1	3325.5	3061.5	2857.7	2613.6
60°	4435.9	4415.4	4359.2	4324.6	4168.5	4033.4	3953.3	3848.3	3647.9	3380.0	3053.6
62.5°	4572.1	4586.9	4582.9	4582.9	4458.0	4296.2	4134.4	3980.6	3856.3	3580.4	3322.1
63°	4563.6	4581.8	4589.1	4586.9	4474.5	4315.0	4154.3	3984.6	3869.3	3587.8	3338.0
65°	4490.9	4506.3	4493.2	4488.7	4417.7	4309.8	4129.3	3961.3	3856.3	3554.8	3340.2
67.5°	4199.1	4195.7	4146.9	4169.1	4124.2	4064.0	3895.4	3729.7	3657.0	3327.8	3130.2
70°	3391.3	3367.5	3420.9	3452.6	3403.8	3380.0	3179.6	3070.6	2976.9	2726.6	2567.1
72.5°	2592.6	2543.2	2552.3	2581.3	2519.9	2503.5	2417.8	2328.1	2283.2	2127.1	1950.0
75°	2032.9	2006.2	1956.8	1964.7	1914.2	1897.8	1888.7	1862.6	1845.0	1715.0	1539.6
77.5°	1520.3	1519.1	1477.7	1471.4	1435.1	1462.3	1451.6	1490.7	1482.2	1378.9	1245.5
80°	1063.8	1057.6	1068.4	1064.4	1055.9	1071.8	1054.8	1076.3	1076.3	1008.8	952.6
82.5°	694.3	706.8	740.8	748.8	761.3	798.7	738.6	706.8	698.2	690.9	663.6
85°	689.2	692.6	677.8	679.5	673.8	659.6	670.4	675.5	667.0	626.2	566.0
87.5°	649.4	654.0	642.0	645.5	624.5	629.0	635.8	639.8	635.8	599.5	549.5
90°	547.2	552.4	563.1	563.1	564.8	566.0	555.2	561.4	557.5	522.8	486.5
92.5°	485.4	489.9	490.5	491.0	486.5	501.3	483.7	472.9	470.0	442.2	416.1
95°	443.9	438.8	437.7	438.8	436.5	436.0	424.6	416.7	413.3	391.1	365.6
97.5°	347.4	350.3	349.1	352.0	346.3	345.7	336.1	325.8	322.4	304.3	287.2
100°	304.8	304.3	305.4	306.0	302.6	298.6	291.8	284.4	280.4	266.8	250.3
102.5°	286.1	285.5	287.8	288.4	285.5	282.7	277.0	272.5	269.1	256.6	238.4
105°	274.2	272.5	275.3	275.3	269.1	267.4	263.4	262.8	260.6	245.8	228.2
107.5°	257.7	254.9	258.3	257.7	255.5	253.8	250.3	248.1	246.4	233.9	214.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	242.4	238.4	*240.1*	241.3	243.0	241.8	239.0	234.5	229.9	219.7	203.2
112.5°	214.0	216.3	*215.7*	215.7	217.4	218.0	212.9	210.0	207.2	199.3	188.5
115°	203.2	203.2	*203.2*	203.2	198.7	197.0	191.9	188.5	187.9	178.3	171.4
117.5°	194.7	195.9	*198.7*	200.4	206.1	202.7	191.3	183.9	181.1	177.1	169.7
120°	229.3	225.4	*221.4*	220.8	221.4	219.1	216.9	211.7	204.9	194.1	173.7
122.5°	245.8	235.6	*237.3*	236.7	232.7	234.5	235.0	235.6	231.0	214.0	182.2
125°	206.1	203.2	*204.9*	206.6	207.2	206.6	205.5	210.6	204.4	198.7	174.8
127.5°	164.6	163.5	*160.1*	159.5	158.4	159.0	159.0	160.7	155.0	149.3	148.2
130°	156.7	154.4	*155.0*	155.5	155.0	151.6	149.3	146.5	145.9	140.2	132.3
132.5°	141.9	143.1	*152.7*	153.8	160.7	156.7	144.8	136.8	137.9	140.8	137.9
135°	132.8	132.3	*139.6*	140.2	150.4	147.6	137.9	128.9	128.9	135.7	132.8
137.5°	135.7	136.8	*137.4*	137.9	137.4	136.8	136.2	132.3	129.4	128.9	122.1
140°	145.9	145.3	*139.6*	140.2	139.6	139.6	143.1	145.9	136.2	127.7	116.4
142.5°	152.7	154.4	*152.1*	155.0	160.1	155.5	149.9	142.5	136.8	131.1	124.3
145°	207.2	203.2	*201.5*	200.4	197.0	187.3	181.7	174.3	167.5	158.4	147.0
147.5°	187.9	189.0	*185.6*	186.8	182.2	178.8	177.7	178.3	176.0	170.9	159.0
150°	149.3	150.4	*147.0*	145.3	143.6	143.6	143.6	144.8	141.9	138.5	132.8
152.5°	104.5	103.3	*102.2*	101.6	100.5	99.3	99.3	99.9	97.1	95.9	91.4
155°	95.9	95.4	*90.8*	89.7	90.8	92.0	92.5	90.8	88.6	86.3	80.0
157.5°	74.9	73.2	*72.7*	73.8	73.8	73.2	72.1	73.2	71.0	70.4	69.3
160°	61.3	60.7	*61.3*	61.3	61.9	61.9	61.3	61.3	60.2	60.7	60.7
162.5°	52.2	52.2	*52.2*	51.7	52.8	53.4	52.8	52.8	53.4	55.1	56.2
165°	44.8	44.8	*45.4*	45.4	46.0	46.0	46.5	47.1	48.3	52.2	55.6
167.5°	42.0	42.0	*42.6*	42.6	43.1	43.7	44.8	47.1	50.5	55.1	56.8
170°	41.4	41.4	*41.4*	41.4	42.0	42.6	44.8	48.3	52.2	55.1	53.4
172.5°	43.1	43.1	*43.7*	43.7	43.7	46.0	47.7	50.5	52.8	53.4	51.7
175°	44.8	44.3	*44.8*	44.8	45.4	47.1	49.4	50.5	51.7	52.2	52.8
177.5°	43.7	43.7	*43.7*	44.3	44.3	44.8	46.0	46.5	47.7	48.8	50.5
180°	42.6	42.6	*42.6*	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5
2.5°	266.2	258.9	201.5	172.6	197.0	244.7	249.2	215.7	167.5	116.4	106.2
5°	141.9	149.9	167.5	166.9	155.5	145.3	132.8	124.9	137.9	132.3	135.7
7.5°	128.3	120.9	123.8	144.8	141.4	107.3	97.1	94.8	106.2	132.3	129.4
10°	156.1	153.8	145.3	128.3	122.6	127.2	131.1	128.3	118.1	102.8	100.5
12.5°	176.5	173.7	174.8	185.6	172.6	143.1	126.6	121.5	127.2	149.9	154.4
15°	196.4	191.3	183.9	168.6	156.1	148.2	138.5	128.3	131.7	125.5	123.2
17.5°	210.0	202.1	186.8	175.4	162.9	152.7	144.2	133.4	126.0	124.3	124.9
20°	228.2	219.7	203.2	190.2	174.8	161.2	146.5	135.1	127.7	124.9	124.9
22.5°	249.2	239.0	220.3	202.1	185.1	167.5	149.9	137.4	130.6	127.7	126.6
25°	271.4	261.1	237.9	218.6	197.0	177.7	159.5	143.6	136.2	132.8	130.0
27.5°	294.1	281.6	258.3	234.5	211.2	188.5	169.2	152.7	142.5	136.8	137.4
30°	319.0	308.8	282.7	255.5	226.5	199.8	181.1	162.4	149.9	143.6	144.2
32.5°	352.5	336.1	304.8	273.6	245.2	215.7	191.9	170.3	156.7	152.7	153.3
35°	408.2	387.2	349.1	306.5	268.5	233.9	203.8	178.3	162.4	156.1	155.5
37.5°	508.6	480.3	436.5	386.6	331.5	275.3	226.5	187.3	167.5	157.2	155.5
40°	557.5	518.9	463.8	420.7	383.2	334.9	279.3	220.3	176.0	162.9	161.2
42.5°	622.7	590.4	518.9	434.8	384.9	344.6	305.4	267.4	212.3	178.3	172.0
45°	685.8	656.8	600.6	518.3	443.9	380.9	322.4	281.0	246.9	212.3	209.5
47.5°	791.9	761.3	667.6	594.4	516.0	444.5	383.2	315.1	270.8	246.4	246.4
50°	1058.2	1002.0	909.4	797.0	671.0	555.2	468.3	384.9	331.5	294.6	292.9
52.5°	1430.0	1350.5	1214.3	1089.9	941.2	807.2	672.1	526.8	449.0	395.7	395.1
55°	1967.0	1885.8	1703.6	1464.6	1282.4	1122.3	982.1	822.6	700.0	613.7	606.9
57.5°	2539.8	2471.7	2286.1	1989.2	1701.9	1418.6	1248.9	1121.7	1062.7	1002.5	990.0
60°	2911.1	2794.1	2625.0	2341.7	2063.5	1702.5	1491.9	1346.0	1326.1	1313.0	1296.6
62.5°	3145.0	3007.0	2755.5	2416.1	2160.6	1818.9	1630.4	1474.8	1428.3	1358.5	1338.6
63°	*3171.6*	*3021.8*	*2776.5*	*2414.4*	*2163.4*	*1820.6*	*1640.6*	*1474.8*	*1420.3*	*1336.3*	*1323.3*
65°	3159.2	3020.1	2775.4	2379.2	2097.6	1787.1	1611.1	1407.3	1320.4	1209.2	1187.0
67.5°	2968.4	2820.2	2589.8	2200.3	1946.0	1629.2	1435.7	1219.4	1087.7	978.7	953.1
70°	2416.6	2324.7	2122.0	1785.4	1592.3	1345.4	1175.7	1005.9	863.4	748.8	719.8
72.5°	1841.6	1745.1	1592.9	1374.4	1231.9	1062.1	901.5	770.9	653.4	577.3	579.6
75°	1461.2	1369.2	1243.8	1100.2	983.8	832.8	673.8	544.4	461.0	415.5	411.6
77.5°	1176.8	1113.2	1003.7	871.4	770.9	613.1	471.7	358.8	296.9	270.8	263.4
80°	907.2	862.9	781.1	664.8	560.3	430.9	321.3	253.8	220.8	198.7	194.7
82.5°	645.5	618.8	550.7	469.5	398.5	331.0	281.6	237.3	203.2	184.5	178.8
85°	538.7	513.8	470.6	420.1	374.7	325.3	273.1	225.9	194.1	179.4	172.0
87.5°	522.8	499.6	458.1	404.2	354.8	301.4	248.6	204.4	181.7	167.5	162.9
90°	468.3	450.7	414.4	365.0	315.6	261.1	215.2	183.9	166.3	155.0	149.9
92.5°	403.6	388.3	358.2	316.8	275.3	236.2	201.0	174.8	157.2	145.9	141.9
95°	350.8	341.2	316.2	281.0	250.9	218.6	188.5	163.5	145.3	135.1	131.1
97.5°	279.9	268.5	250.3	225.9	203.2	180.5	158.4	141.4	128.3	121.5	118.1
100°	243.5	236.2	219.7	200.4	181.1	161.2	144.2	131.1	122.6	116.9	114.1
102.5°	229.3	224.2	208.9	189.6	171.4	152.1	135.1	123.2	116.9	111.8	109.6
105°	216.3	212.3	200.4	182.8	165.2	144.2	124.9	114.7	109.0	105.6	103.9
107.5°	202.7	198.1	186.8	169.7	154.4	136.2	119.2	106.7	99.3	95.4	94.8

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

Scaled Data Report

REPORT NUMBER: P1046420
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	191.3	187.9	175.4	161.8	147.0	130.0	115.2	102.2	93.7	89.1	88.6
112.5°	179.4	175.4	162.9	149.9	137.4	122.6	109.6	98.2	90.3	85.7	85.2
115°	163.5	160.1	151.0	138.5	128.3	114.1	103.3	93.1	86.9	82.3	81.7
117.5°	165.2	155.5	143.1	131.7	122.6	112.4	102.8	94.8	85.2	80.0	80.0
120°	167.5	158.4	145.9	136.2	131.1	123.2	108.4	97.1	84.0	78.9	78.3
122.5°	165.2	166.3	159.5	149.9	139.6	126.0	107.9	95.4	82.3	78.3	78.9
125°	160.1	165.2	155.5	142.5	128.9	115.8	100.5	89.1	81.2	78.3	77.8
127.5°	144.8	143.6	131.1	121.5	111.8	101.0	91.4	84.6	78.9	75.5	73.8
130°	127.7	127.2	122.1	114.1	104.5	94.8	86.3	81.7	76.1	71.5	70.4
132.5°	134.5	132.8	122.1	109.0	98.2	90.3	84.6	79.5	71.5	66.4	65.9
135°	127.2	126.0	115.2	102.2	92.5	88.6	84.6	77.2	67.6	63.6	63.0
137.5°	116.4	111.8	102.8	94.8	90.3	89.1	84.0	75.5	66.4	61.9	61.3
140°	110.7	107.3	100.5	95.4	90.3	84.0	76.6	68.7	62.4	59.0	58.5
142.5°	117.5	116.4	106.2	97.1	89.1	81.7	73.8	68.7	61.9	57.3	56.8
145°	139.1	133.4	120.9	108.4	101.6	92.0	81.7	71.0	58.5	51.7	50.0
147.5°	152.1	147.0	134.5	120.9	106.2	90.8	74.9	61.3	51.7	46.5	45.4
150°	126.0	123.8	115.8	103.3	90.8	76.6	63.6	53.9	47.7	44.3	44.3
152.5°	88.6	88.0	84.6	77.2	69.3	61.3	54.5	48.8	45.4	43.1	43.1
155°	78.3	77.2	74.9	68.1	62.4	55.6	50.5	47.1	44.8	43.1	43.1
157.5°	67.6	66.4	65.9	60.7	56.2	51.7	47.7	44.8	43.1	42.0	41.4
160°	60.2	58.5	56.8	53.9	51.1	48.8	47.1	44.8	43.1	42.0	42.0
162.5°	56.2	55.1	52.2	50.0	48.8	48.8	49.4	48.3	44.8	43.1	42.6
165°	56.2	54.5	50.5	48.3	48.3	51.1	53.9	51.7	48.8	45.4	44.8
167.5°	56.8	55.6	51.7	50.0	51.7	55.1	57.9	57.3	53.4	50.5	50.5
170°	52.8	52.2	52.8	54.5	56.2	56.8	57.9	57.3	58.5	62.4	62.4
172.5°	51.1	51.7	54.5	57.3	60.7	60.7	57.9	57.3	62.4	68.1	69.3
175°	53.4	54.5	57.3	60.7	63.6	63.6	60.7	61.3	66.4	71.5	72.7
177.5°	51.1	51.7	52.8	52.2	53.4	50.5	51.7	50.5	52.2	52.2	52.2
180°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

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

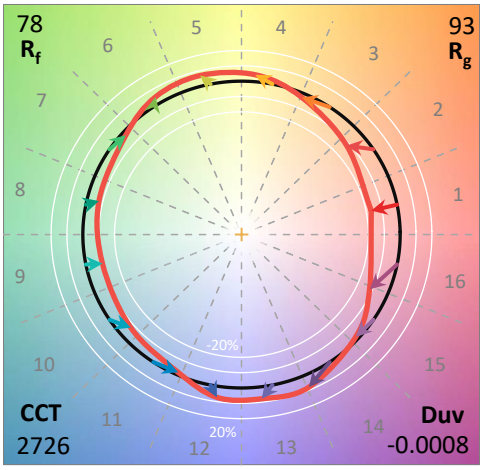
Test Information

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

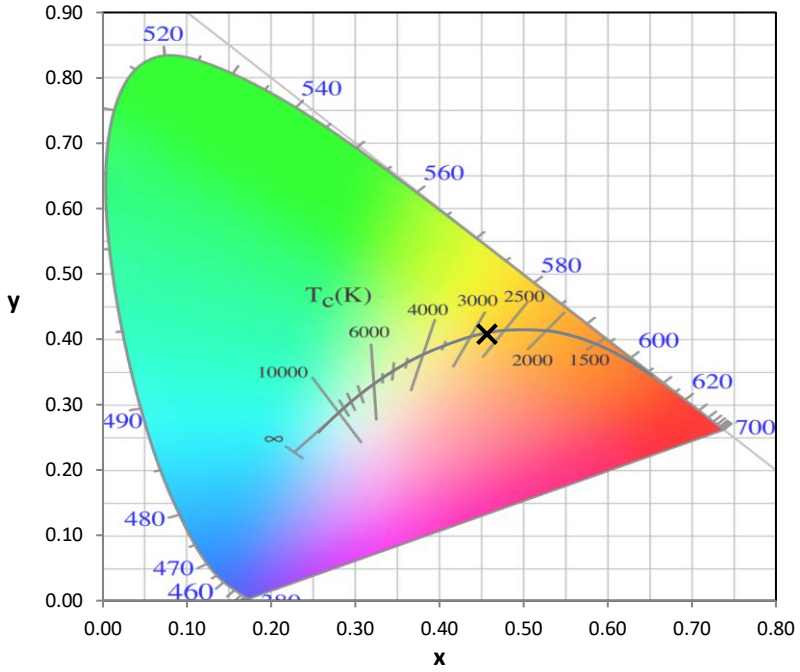
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

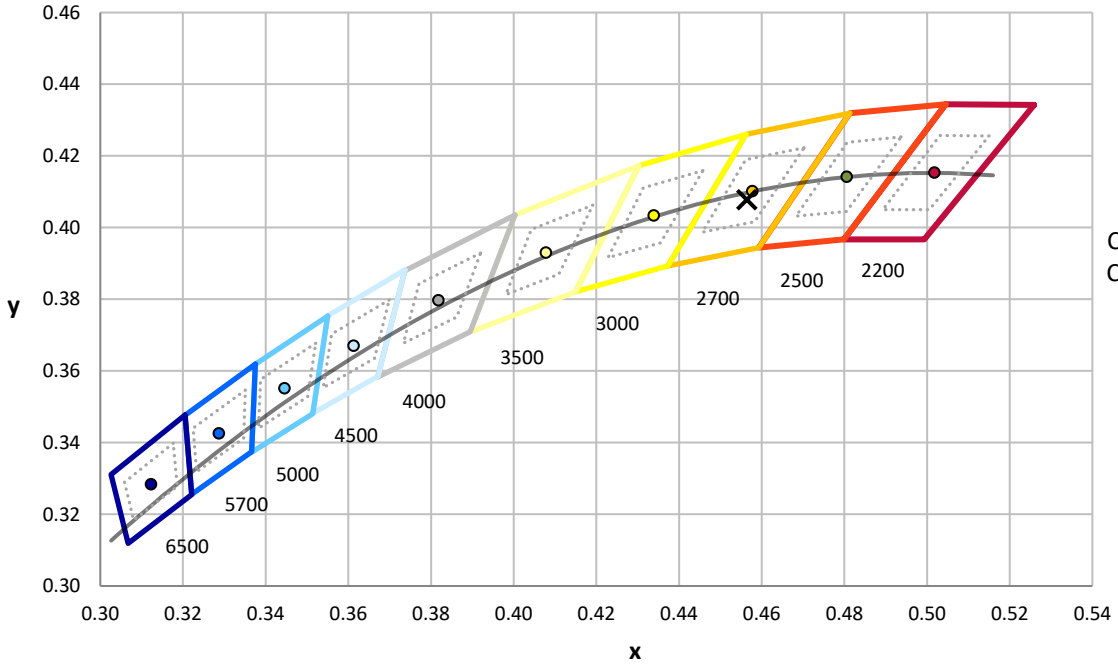
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

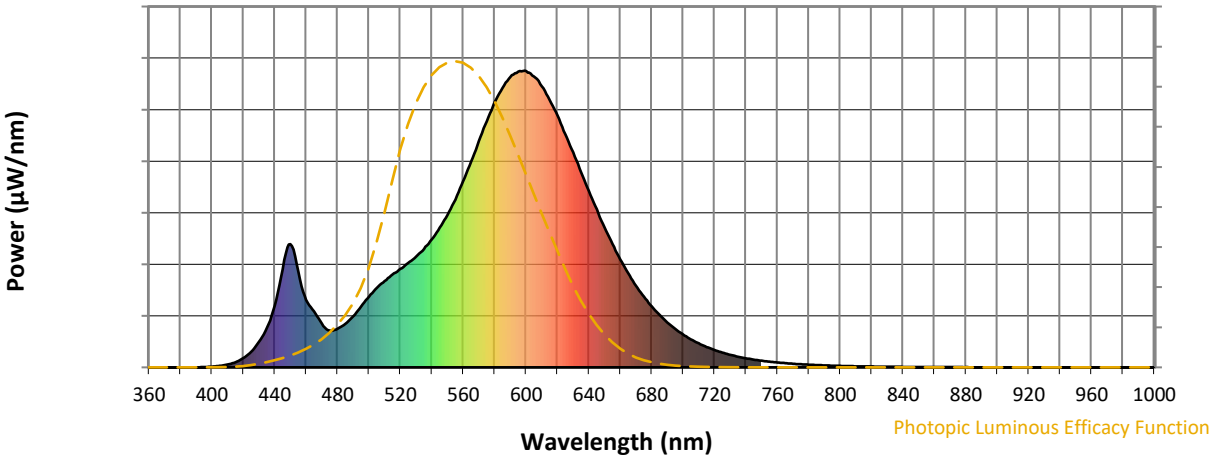


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

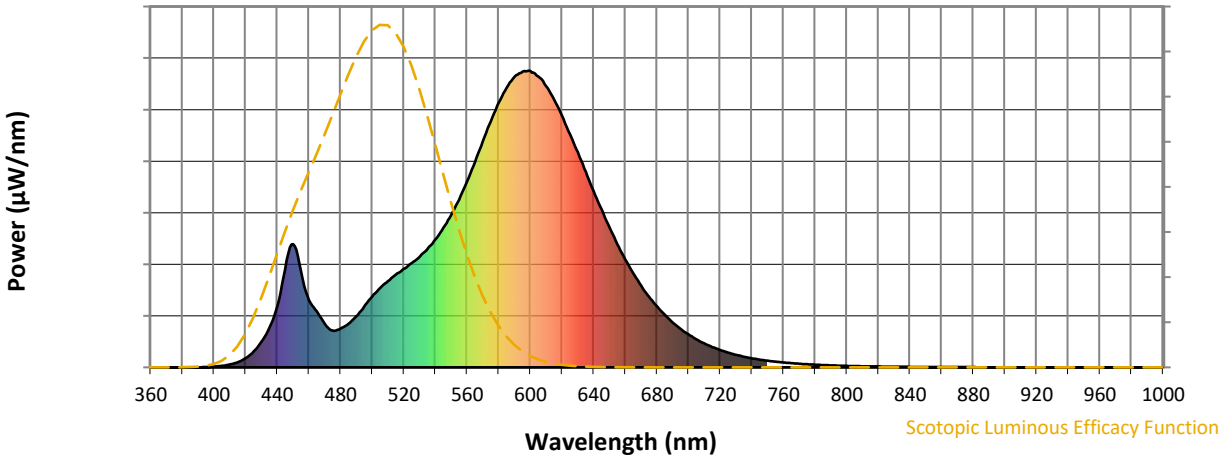


Photopic Lumens: NR

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

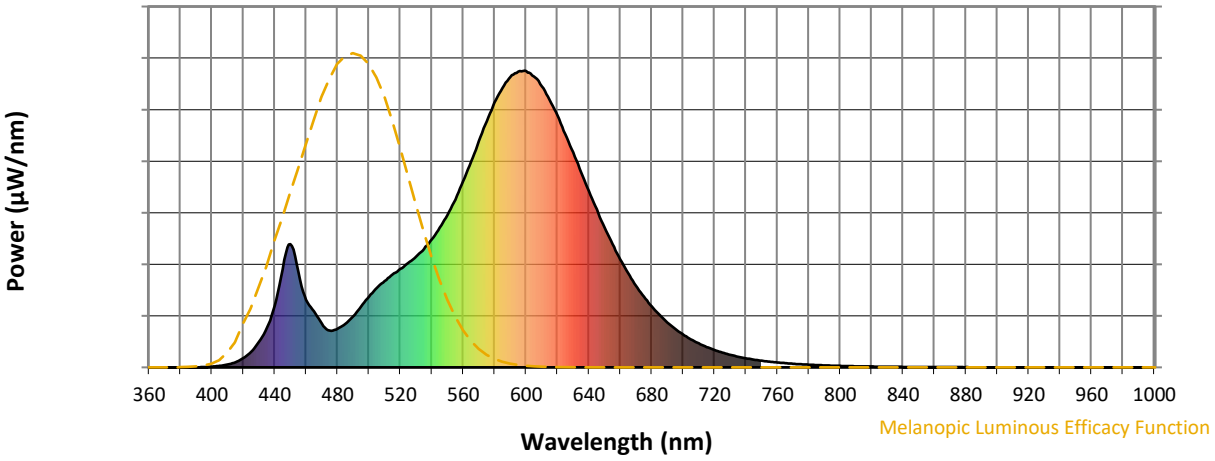


Scotopic Lumens: NR **S/P: 1.16**

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			

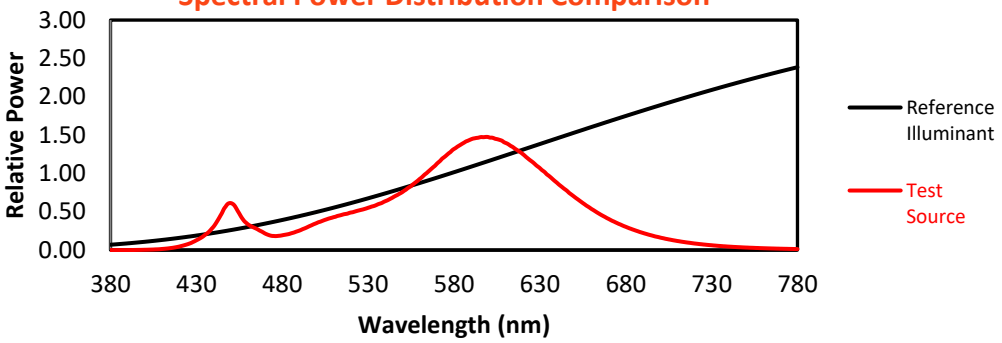
REPORT NUMBER: SP1-2501-332-3

TM-30-18

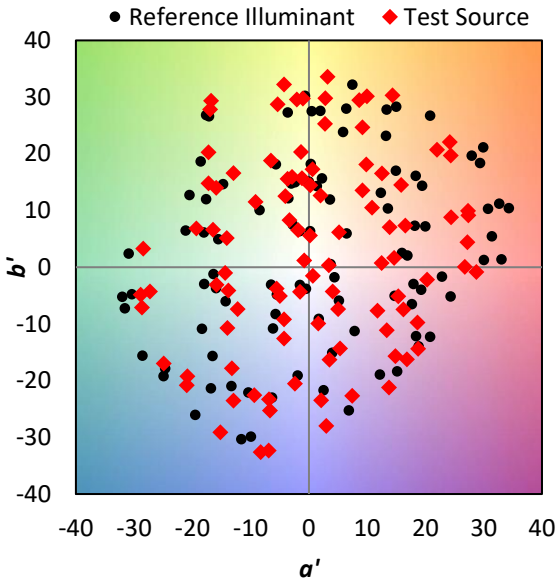
Summary

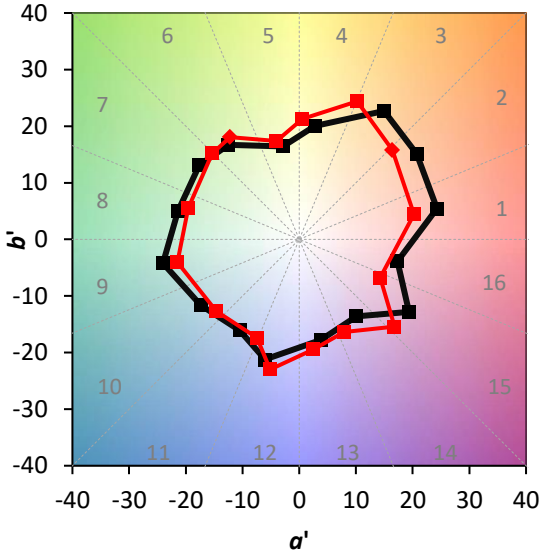
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

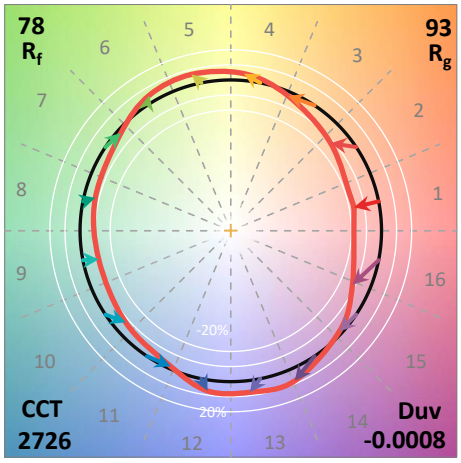
Spectral Power Distribution Comparison

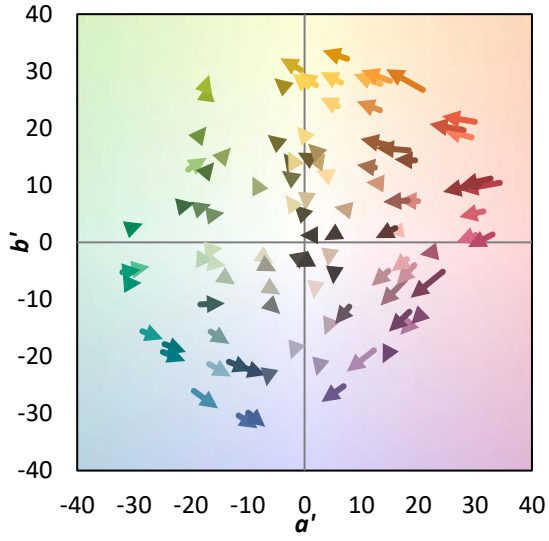


Color Vector Graphics







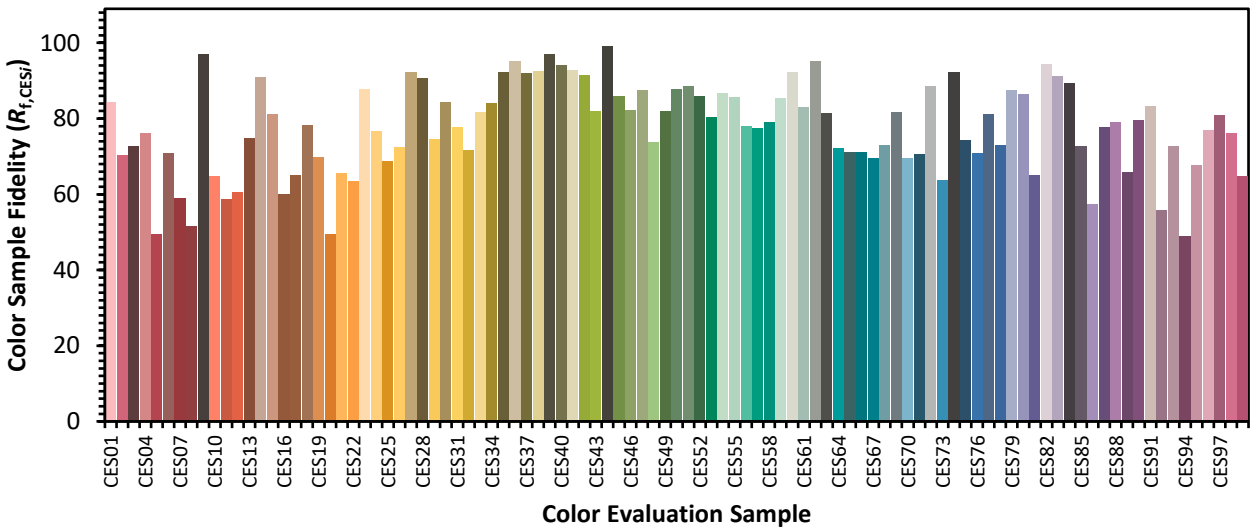


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

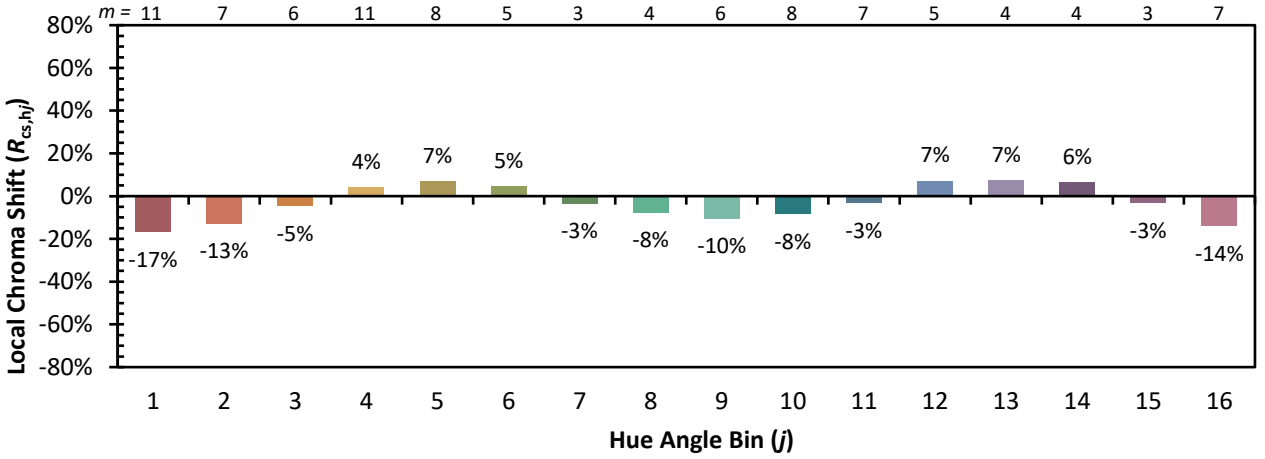
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 71
CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 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	

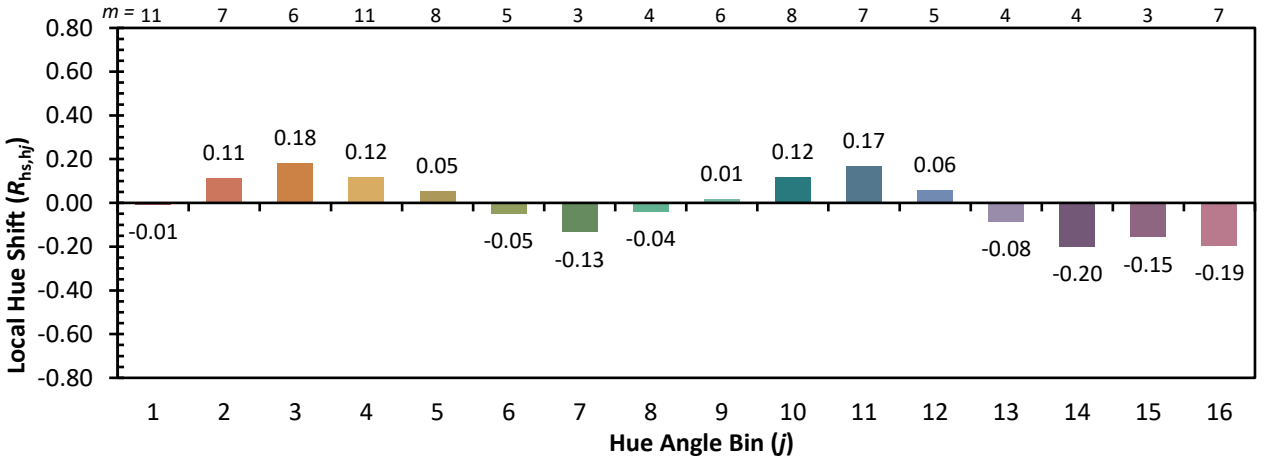


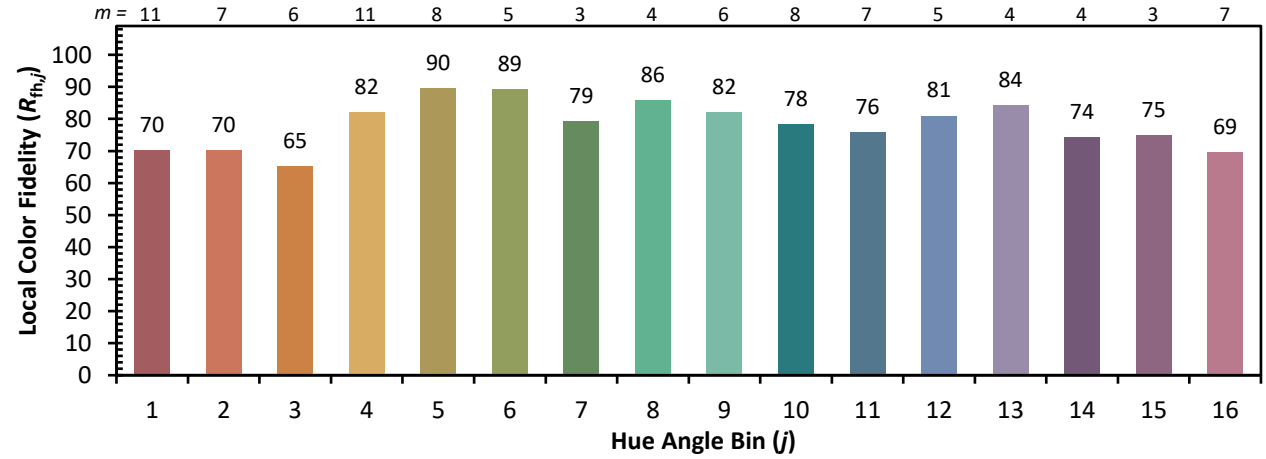
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Color Rendition by Hue-Angle Bin



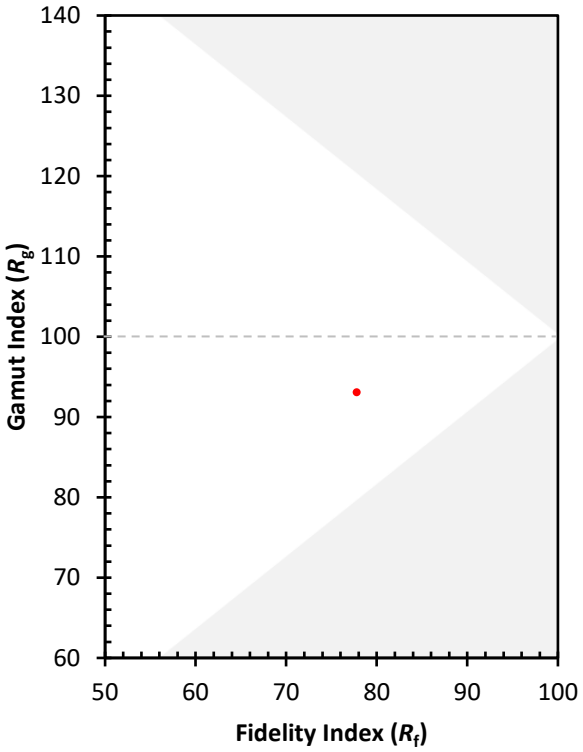


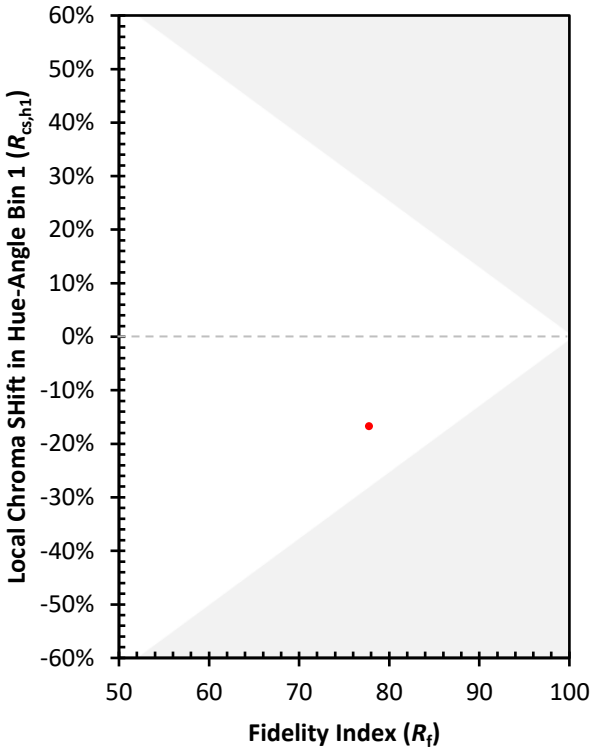


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Measure Comparisons





(END OF REPORT)