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: P981421

Luminaire Tested: **FFX-CLB-40-727-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981421
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-727-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5855.5 lumens
Efficiency:	N/A
Efficacy:	148.6 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):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

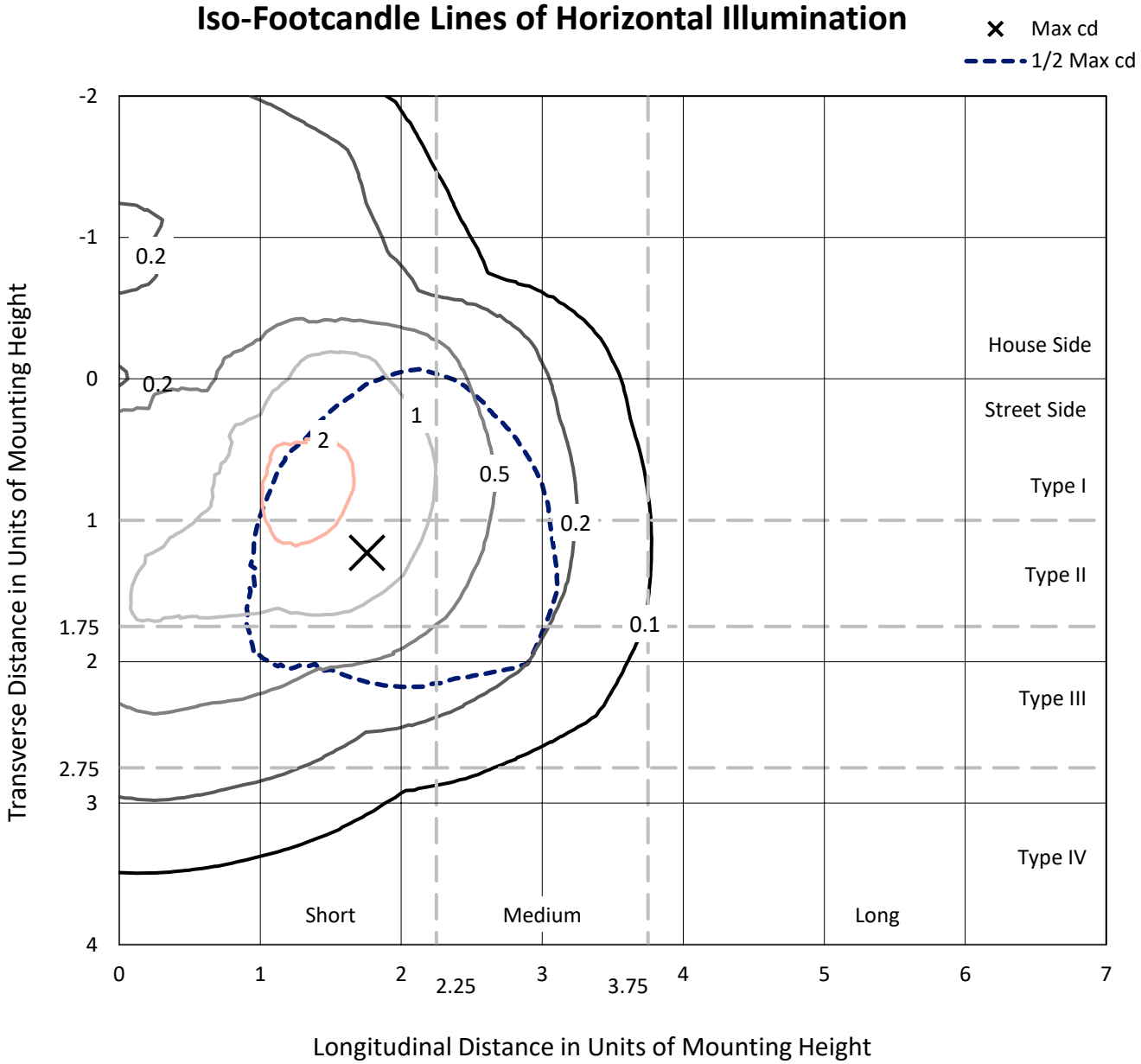


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Iso-Footcandle Lines of Horizontal Illumination



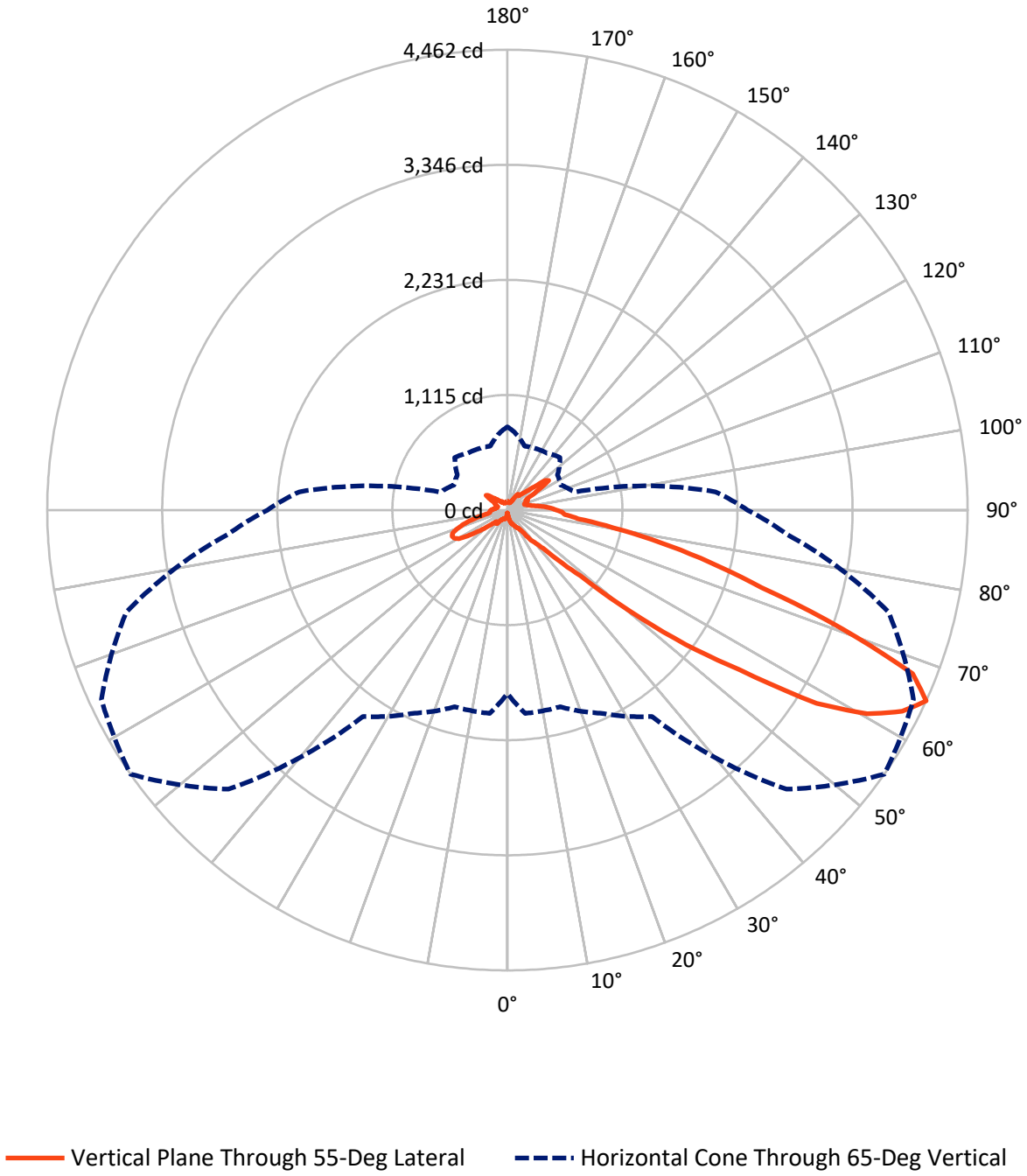
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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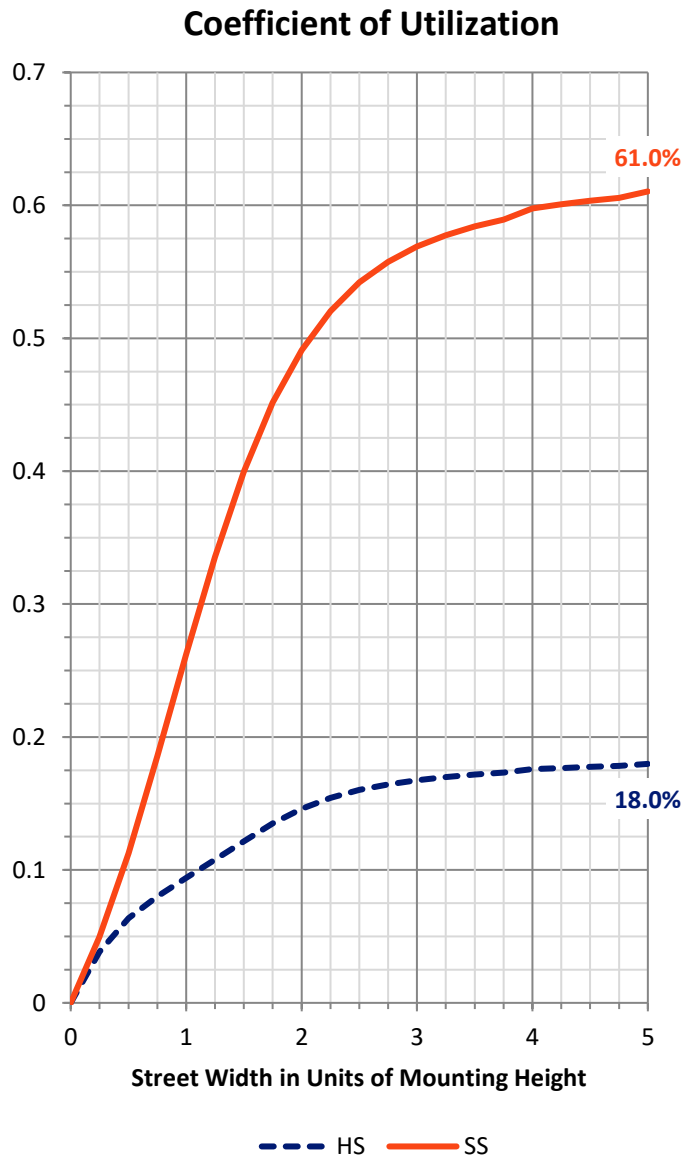
REPORT NUMBER: P981421
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1097.6	393.2	1490.8
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	3690.1	674.5	4364.7
	% Fixture	63.0	11.5	74.5
Total	Lumens	4787.7	1067.7	5855.5
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	29.8	0.5
20°-30°	61.1	1.0
30°-40°	128.0	2.2
40°-50°	338.1	5.8
50°-60°	1124.9	19.2
60°-70°	1814.5	31.0
70°-80°	951.8	16.3
80°-90°	334.0	5.7
90°-100°	215.6	3.7
100°-110°	139.8	2.4
110°-120°	153.4	2.6
120°-130°	258.0	4.4
130°-140°	151.1	2.6
140°-150°	80.9	1.4
150°-160°	40.2	0.7
160°-170°	21.1	0.4
170°-180°	7.7	0.1
0°-90°	4787.7	81.8
0°-180°	5855.5	100.0



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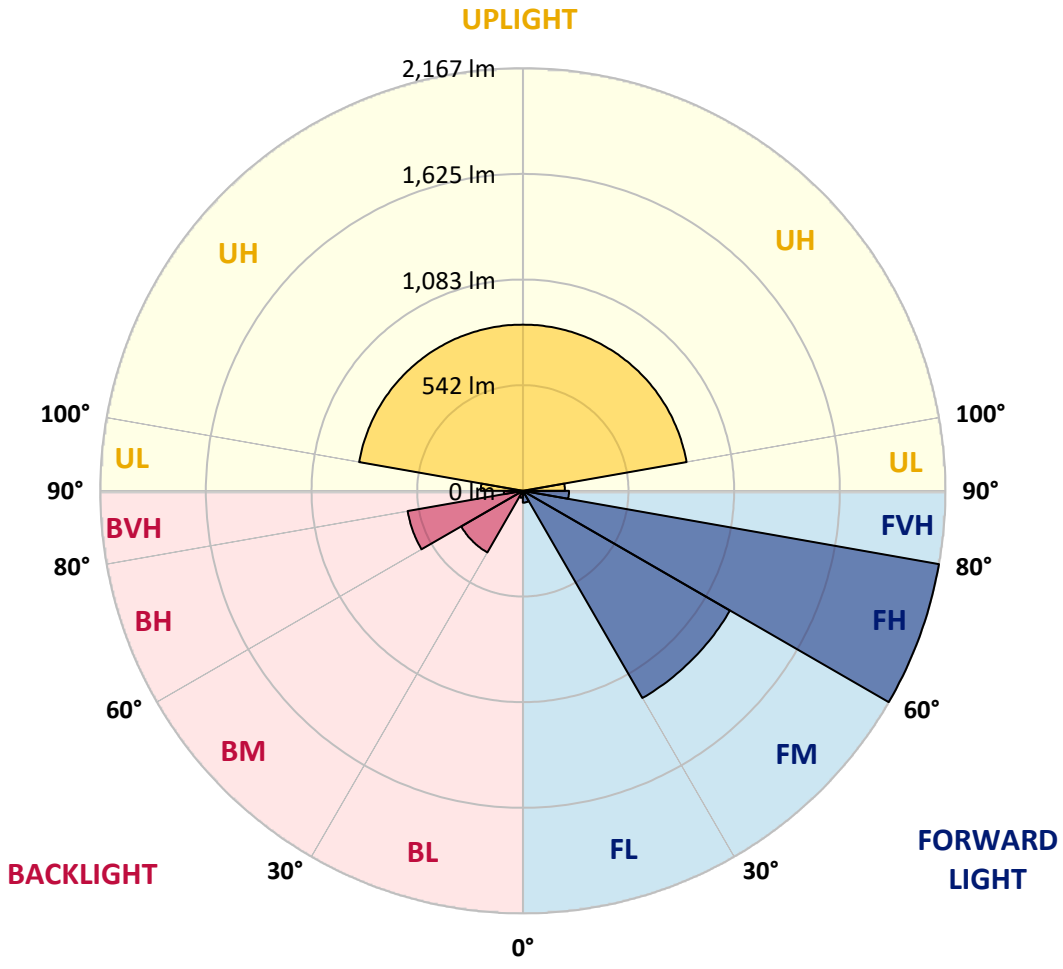
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	60.7	1.0			
FM	(30°-60°)	1226.3	20.9			
FH	(60°-80°)	2166.6	37.0			G2/5000
FVH	(80°-90°)	236.5	4.0			G3/500
BL	(0°-30°)	35.6	0.6	B0/110		
BM	(30°-60°)	364.7	6.2	B1/1000		
BH	(60°-80°)	599.7	10.2	B2/1000		G2/1000
BVH	(80°-90°)	97.5	1.7			G1/100
UL	(90°-100°)	215.6	3.7		U3/500	
UH	(100°-180°)	852.1	14.6		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°	33.2	33.2	33.2	33.2	33.2	33.2	*33.2*	33.2	33.2	33.2	33.2
2.5°	33.2	33.9	35.9	36.6	37.0	36.2	*34.7*	36.2	36.2	36.2	35.9
5°	48.2	48.2	48.2	49.4	49.7	50.5	*49.7*	47.8	46.3	44.7	44.3
7.5°	67.5	68.2	68.6	68.6	68.6	70.2	*71.7*	68.2	65.2	62.1	61.3
10°	96.8	94.9	92.9	93.7	92.2	89.1	*90.6*	87.9	81.0	78.7	78.7
12.5°	123.8	123.4	124.2	119.9	117.6	111.0	*111.8*	110.3	105.3	97.2	94.5
15°	138.8	140.0	139.6	141.1	137.7	128.4	*126.1*	126.9	122.2	114.5	110.7
17.5°	146.5	146.5	146.9	148.8	148.8	140.0	*136.1*	134.2	130.3	123.8	118.8
20°	150.4	150.4	150.0	152.7	158.1	153.1	*147.7*	144.6	141.1	130.7	123.0
22.5°	161.2	160.4	159.2	160.0	168.1	166.6	*162.3*	157.7	152.7	136.9	127.2
25°	172.4	172.7	169.3	170.4	178.5	180.8	*177.4*	172.7	167.0	143.0	133.4
27.5°	185.1	184.7	180.1	181.6	185.8	194.3	*190.1*	187.8	178.1	148.1	138.8
30°	196.6	194.7	190.1	193.9	193.9	207.4	*203.6*	204.7	192.8	157.3	147.3
32.5°	205.1	204.7	202.0	207.1	204.4	221.7	*220.6*	230.2	212.5	175.4	166.2
35°	224.4	224.8	236.0	245.6	241.0	266.4	*271.8*	284.2	262.6	220.6	210.5
37.5°	363.2	358.6	343.2	325.4	327.7	375.2	*368.6*	375.2	342.0	281.5	265.7
40°	382.5	383.7	365.9	352.4	350.5	411.0	*421.1*	474.3	404.9	337.4	306.1
42.5°	372.5	376.3	424.9	442.3	426.8	504.0	*507.0*	609.6	472.3	416.0	374.8
45°	472.3	473.1	483.1	494.3	496.2	688.3	*699.1*	812.4	600.7	524.0	454.2
47.5°	537.5	543.7	557.5	633.9	674.4	879.9	*952.0*	1132.1	800.1	714.5	576.8
50°	760.0	776.9	845.6	911.1	974.4	1304.8	*1547.3*	1762.1	1201.8	1047.2	838.2
52.5°	926.2	987.1	1063.8	1221.9	1288.6	1783.3	*2164.3*	2297.3	1683.4	1419.3	1142.1
55°	1070.4	1182.2	1265.1	1523.8	1650.7	2325.0	*2731.4*	2750.7	2259.1	1732.4	1464.4
57.5°	1367.3	1530.4	1584.3	1805.7	1982.3	2970.1	*3534.6*	3439.7	2846.7	2089.1	1808.4
60°	1646.8	1834.6	1814.5	2018.5	2252.2	3525.0	*4010.0*	3961.8	3397.3	2426.8	2109.1
62.5°	1737.8	1928.3	1911.3	2125.7	2439.9	3783.7	*4295.3*	4215.5	3722.4	2638.1	2260.3
65°	*1777.5*	*1978.4*	*1973.8*	*2174.3*	*2442.3*	*3824.9*	*4461.5*	*4342.8*	*3824.6*	*2723.3*	*2326.6*
67.5°	1743.6	1934.8	1932.9	2117.6	2264.1	3525.7	*4236.7*	4061.7	3572.8	2522.8	2183.5
70°	1504.5	1637.6	1629.5	1742.8	1819.5	2802.4	*3438.2*	3306.0	2883.4	2073.3	1808.8
72.5°	1226.9	1266.2	1283.2	1348.0	1368.4	2050.9	*2578.4*	2473.1	2150.0	1552.7	1371.5
75°	979.8	981.7	999.4	1022.2	1015.2	1508.8	*2030.8*	1965.7	1585.5	1158.3	1040.3
77.5°	648.5	643.5	721.4	730.7	686.3	961.2	*1516.5*	1470.6	1134.8	844.0	760.7
80°	372.1	373.6	426.8	460.4	442.6	610.8	*1039.1*	1029.1	779.3	590.7	522.5
82.5°	277.6	290.7	319.3	337.0	330.1	459.2	*691.3*	710.2	553.7	424.9	388.3
85°	309.2	316.6	319.6	320.8	312.3	429.5	*558.3*	557.2	465.4	356.7	344.3
87.5°	301.1	307.3	310.0	311.5	303.1	410.6	*527.5*	519.8	446.5	342.8	324.7
90°	253.3	267.6	267.2	280.7	271.1	360.9	*462.7*	457.7	405.2	315.8	294.6
92.5°	212.5	220.6	225.9	244.5	236.0	317.7	*416.0*	404.5	362.8	287.3	264.5
95°	198.6	205.9	210.1	220.6	210.1	274.5	*350.5*	340.1	301.1	239.4	217.5
97.5°	167.3	169.7	173.5	180.5	173.5	222.5	*283.8*	273.8	241.8	195.5	180.1
100°	141.9	144.2	149.2	154.2	150.8	190.5	*237.5*	232.1	207.8	170.0	159.6
102.5°	134.2	135.7	142.3	145.4	141.1	175.1	*209.8*	209.8	188.2	156.9	148.4
105°	128.0	129.9	135.0	136.1	133.0	161.2	*193.6*	191.6	174.7	146.9	138.8
107.5°	121.8	124.2	128.4	126.5	124.9	148.4	*173.9*	177.0	162.3	139.6	134.2
110°	128.4	129.2	132.6	129.6	132.3	147.7	*174.7*	175.4	171.2	152.3	146.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	174.7	170.4	177.8	166.2	175.1	185.8	*202.8*	209.0	204.0	182.4	177.4
115°	191.2	194.3	202.0	190.5	196.3	209.4	*217.5*	218.6	212.8	199.0	197.0
117.5°	149.2	164.6	156.5	163.5	165.8	183.9	*202.4*	207.8	202.4	183.1	195.1
120°	190.9	203.2	175.4	167.0	178.5	210.1	*227.1*	231.7	217.1	217.5	224.8
122.5°	316.6	323.5	340.9	349.7	336.2	355.5	*361.3*	365.5	343.2	316.9	303.8
125°	480.4	475.4	473.1	470.8	467.3	487.8	*491.6*	480.8	458.5	421.8	401.4
127.5°	434.5	438.8	445.3	444.6	441.5	457.3	*466.9*	460.4	454.2	419.1	407.2
130°	312.7	314.6	326.2	347.0	344.7	357.4	*358.6*	365.1	375.6	360.1	347.8
132.5°	259.1	261.0	278.4	287.6	288.4	288.8	*283.4*	298.4	309.2	293.8	283.4
135°	225.9	225.9	229.8	226.3	227.5	237.5	*242.1*	255.6	258.3	251.0	240.6
137.5°	199.7	200.5	192.4	185.8	187.0	205.1	*215.5*	225.9	220.6	205.5	198.2
140°	173.9	169.7	158.5	156.5	165.0	182.4	*188.5*	195.9	197.4	178.1	168.5
142.5°	128.0	126.5	131.5	141.9	146.5	175.4	*170.8*	184.7	185.5	153.1	137.3
145°	143.0	142.7	142.3	144.2	155.0	197.0	*185.8*	203.6	212.1	162.7	133.0
147.5°	161.6	161.2	157.7	153.5	169.7	180.1	*170.0*	185.5	194.7	161.6	128.8
150°	124.9	125.7	123.8	122.6	140.4	138.4	*136.1*	140.4	144.2	133.8	117.2
152.5°	97.2	95.6	94.5	94.9	109.5	107.2	*107.2*	110.3	110.7	106.8	98.3
155°	87.5	87.1	86.4	87.9	96.8	94.5	*92.5*	91.8	89.8	88.7	87.5
157.5°	82.1	81.4	81.4	83.7	89.8	86.0	*85.2*	84.4	83.3	83.3	83.7
160°	76.7	76.3	76.3	79.8	81.7	78.3	*77.5*	77.1	76.7	77.5	78.3
162.5°	73.6	73.6	73.6	76.0	76.0	73.6	*72.9*	72.5	72.9	75.6	76.0
165°	72.5	72.1	72.5	73.6	73.3	71.7	*71.3*	71.3	72.5	74.8	75.2
167.5°	74.4	74.4	74.4	74.8	74.4	72.9	*72.5*	72.5	73.6	75.6	75.6
170°	77.5	77.1	77.1	77.1	76.7	75.2	*74.4*	74.8	75.2	76.3	76.3
172.5°	80.2	80.2	79.8	79.4	78.7	77.9	*77.1*	77.1	77.1	77.5	77.5
175°	83.3	83.3	83.3	82.9	82.9	81.7	*81.4*	81.0	80.6	80.2	79.8
177.5°	86.8	86.4	86.4	86.4	86.4	85.2	*84.4*	84.1	83.3	82.9	82.9
180°	85.2	85.2	85.2	85.2	85.2	85.2	*85.2*	85.2	85.2	85.2	85.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	35.9	34.7	32.8	29.3	28.1	27.0	25.8	23.5	22.4	21.6
5°	44.0	42.4	42.0	40.1	37.4	35.1	34.7	33.9	33.5	32.4
7.5°	62.8	63.6	65.5	62.1	54.4	50.1	51.3	55.5	54.0	53.6
10°	79.0	84.1	87.9	79.0	65.2	56.3	56.7	65.2	65.9	67.5
12.5°	92.5	96.8	96.0	84.8	71.7	63.2	60.5	65.2	69.4	69.8
15°	107.2	99.9	97.2	87.9	78.7	72.1	70.9	72.1	72.1	71.3
17.5°	113.4	100.6	92.9	85.2	78.7	74.0	72.5	70.6	67.9	67.9
20°	114.9	103.7	94.9	86.8	80.2	75.2	70.9	68.6	67.9	67.9
22.5°	119.5	109.5	100.3	90.6	83.7	77.1	72.1	69.8	69.8	70.2
25°	126.1	116.8	105.3	95.2	87.9	81.0	74.4	70.9	70.6	70.9
27.5°	134.2	124.5	111.8	101.0	92.5	84.8	76.7	72.5	70.9	70.9
30°	143.4	132.3	118.0	106.0	96.8	89.8	79.8	74.0	72.1	71.3
32.5°	160.0	147.3	125.7	112.6	102.2	94.5	84.4	77.1	73.3	72.5
35°	200.9	181.2	153.1	129.2	113.4	99.9	87.9	79.0	74.0	73.3
37.5°	245.2	215.5	188.9	162.3	139.2	117.2	94.5	82.1	76.0	74.8
40°	273.0	234.0	210.5	170.8	167.7	149.6	116.1	90.6	79.8	78.3
42.5°	330.1	271.8	234.4	150.8	163.9	167.7	146.5	113.7	90.2	87.5
45°	397.5	319.6	263.0	161.2	168.9	164.3	150.0	131.9	112.6	107.2
47.5°	515.1	364.8	273.0	187.0	193.2	180.5	159.2	140.4	126.1	124.2
50°	743.4	497.4	307.3	229.8	248.3	212.8	185.5	170.8	151.5	149.2
52.5°	1037.2	598.8	345.1	297.3	339.3	295.4	251.0	221.3	217.1	218.6
55°	1355.7	630.0	394.8	367.5	441.1	399.8	348.9	320.4	348.6	357.4
57.5°	1671.5	677.1	466.9	458.5	552.1	489.3	449.2	461.5	578.8	606.9
60°	1920.2	717.2	527.9	546.0	662.0	593.8	576.8	594.9	796.2	871.0
62.5°	2017.7	699.1	559.5	583.0	713.7	667.1	661.3	678.6	848.3	921.9
65°	*2025.1*	*671.3*	*571.8*	*593.0*	*721.8*	*672.1*	*656.3*	*641.6*	*759.6*	*806.2*
67.5°	1873.9	615.8	556.8	578.8	685.9	620.0	587.2	554.1	614.6	640.4
70°	1510.7	546.0	509.7	522.5	576.8	515.9	471.2	448.4	470.0	468.1
72.5°	1144.4	480.8	458.1	445.3	471.2	421.8	372.5	350.5	369.8	364.8
75°	874.1	429.1	407.9	365.5	390.6	323.9	269.5	254.5	263.7	260.3
77.5°	630.8	343.9	315.8	269.1	301.5	235.6	180.8	170.0	172.4	165.0
80°	454.2	256.4	229.0	195.9	221.7	168.5	134.2	131.9	133.0	125.3
82.5°	356.7	205.5	187.4	169.7	177.8	152.3	129.2	126.9	128.0	119.5
85°	332.4	201.3	182.4	170.8	173.5	150.0	125.3	124.5	126.5	117.2
87.5°	313.5	199.3	184.3	167.7	161.2	137.7	116.1	119.5	124.9	115.3
90°	276.5	185.8	172.7	157.7	150.8	129.2	116.1	121.1	120.7	113.7
92.5°	243.7	165.8	155.4	146.9	145.4	131.5	121.5	126.1	127.6	120.7
95°	199.7	140.0	135.0	132.3	134.6	121.1	112.6	114.9	113.4	109.5
97.5°	170.0	127.6	124.2	120.3	118.0	108.3	101.0	104.1	105.6	102.2
100°	153.8	121.5	118.8	114.5	114.1	107.6	103.7	109.9	114.5	112.6
102.5°	143.8	115.3	111.8	108.0	106.8	101.4	98.3	102.2	106.4	102.6
105°	136.5	109.5	104.1	100.6	98.7	94.9	91.0	92.5	97.2	95.2
107.5°	129.6	109.1	100.6	97.9	97.9	92.9	87.5	87.9	90.2	89.8
110°	140.4	121.1	105.6	101.8	100.6	99.1	95.2	91.4	88.3	88.3

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

Scaled Data Report

REPORT NUMBER: P981421
CATALOG NUMBER: FFX-CLB-40-727-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	168.1	148.4	132.6	120.3	115.3	109.5	101.4	95.6	91.4	90.2
115°	180.5	159.2	144.2	130.7	119.1	108.0	101.0	96.8	94.5	96.8
117.5°	170.0	140.7	138.8	124.9	114.1	105.3	103.3	96.4	100.3	100.3
120°	191.2	163.5	159.2	139.2	124.2	113.0	111.8	110.7	106.4	104.5
122.5°	279.5	243.3	225.9	196.3	170.4	147.3	134.2	116.1	103.3	100.6
125°	379.8	332.0	290.3	251.0	212.1	170.8	136.1	109.1	96.0	94.1
127.5°	381.0	332.4	286.5	238.7	196.3	153.1	122.2	103.3	94.1	93.7
130°	335.1	292.7	242.1	194.7	160.4	131.9	109.5	94.1	87.5	85.6
132.5°	266.8	229.0	196.6	167.3	141.1	116.8	96.8	86.0	82.1	81.7
135°	224.4	191.6	168.9	147.3	126.9	105.3	86.8	81.4	79.4	78.7
137.5°	183.1	163.5	149.6	132.3	112.6	94.9	82.5	80.2	79.4	77.9
140°	158.9	145.7	130.7	111.4	96.4	81.7	75.2	77.1	79.0	78.7
142.5°	129.6	119.9	108.7	96.0	85.6	79.0	76.3	77.5	77.5	77.9
145°	123.0	110.3	104.1	96.4	89.5	84.4	77.9	75.6	75.2	75.2
147.5°	114.1	109.1	105.3	99.9	89.5	80.2	72.9	71.7	73.3	72.9
150°	106.8	103.3	98.7	90.2	79.8	73.6	69.8	70.2	72.9	73.3
152.5°	90.6	88.7	85.6	80.2	72.9	69.8	67.9	69.4	71.3	71.7
155°	80.6	79.4	78.7	75.2	70.6	68.6	67.9	69.0	70.9	71.3
157.5°	79.8	77.1	76.0	73.6	70.2	68.2	68.2	69.4	70.6	70.9
160°	77.5	74.0	73.6	71.3	70.6	69.4	70.2	70.6	71.7	71.3
162.5°	75.6	73.3	72.9	71.3	72.1	73.3	73.3	73.6	74.4	74.0
165°	74.8	72.9	72.5	72.5	74.8	76.7	77.1	76.7	76.7	76.7
167.5°	75.6	74.4	74.0	74.8	76.7	79.0	79.4	78.7	77.9	77.5
170°	76.7	76.3	76.7	77.1	78.3	79.8	79.8	79.0	79.0	79.0
172.5°	77.9	78.7	79.0	79.0	80.2	81.0	81.4	81.0	81.0	81.0
175°	80.2	80.6	80.6	81.0	82.1	82.9	83.7	83.7	83.7	83.7
177.5°	82.9	82.9	82.9	83.3	83.7	84.8	85.2	86.0	86.4	86.4
180°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2

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

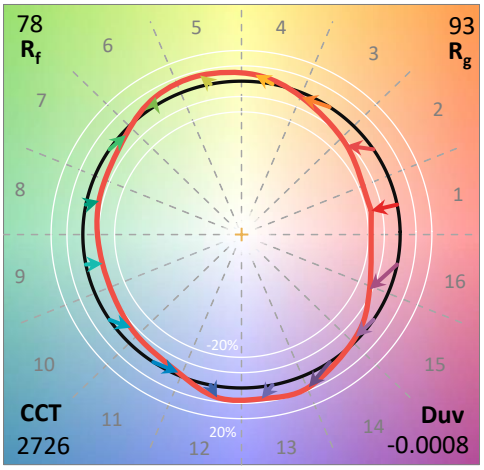
Test Information

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

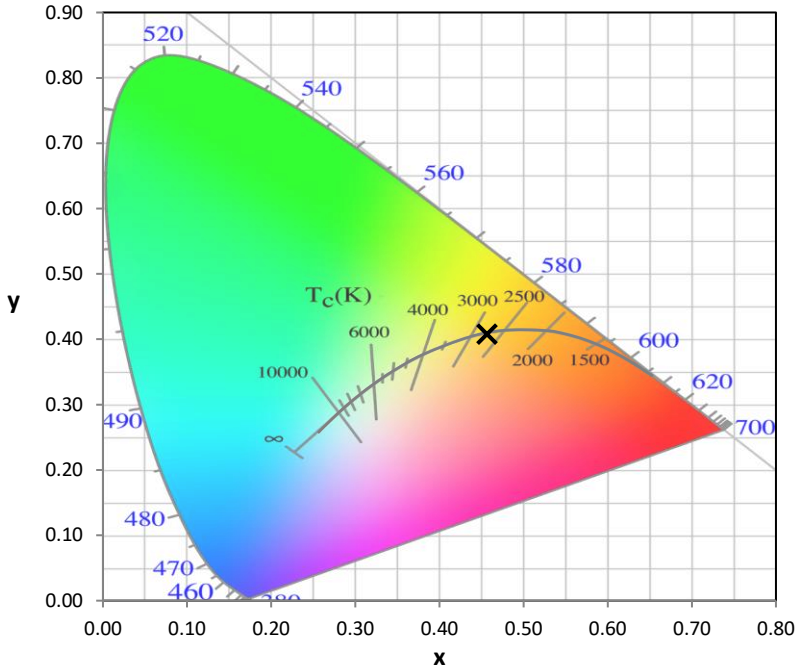
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

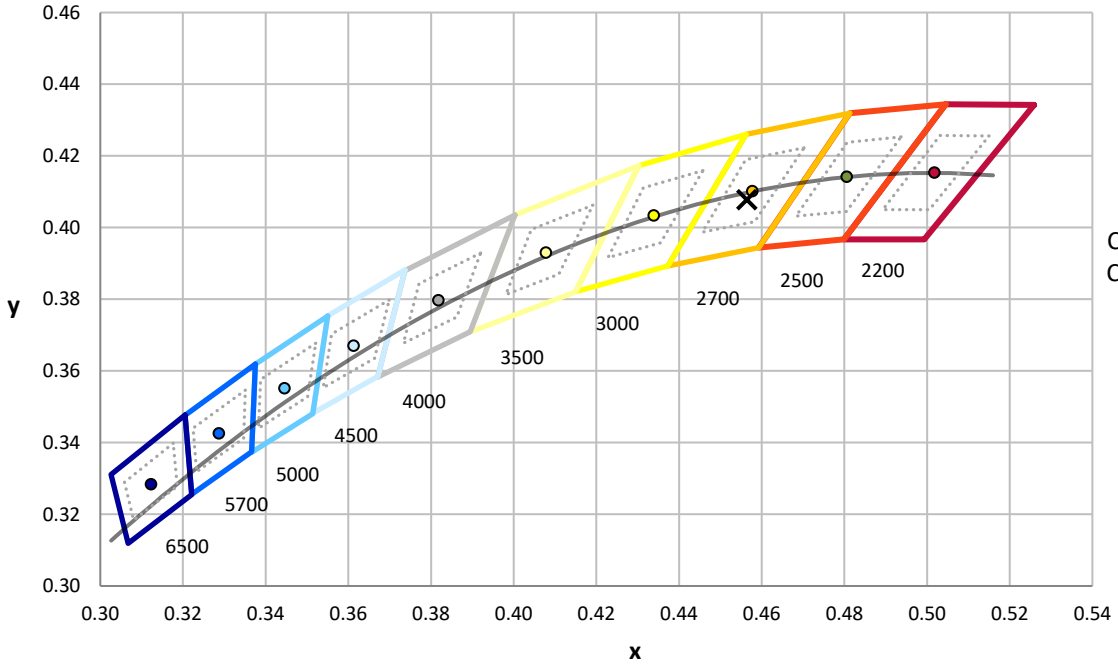
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

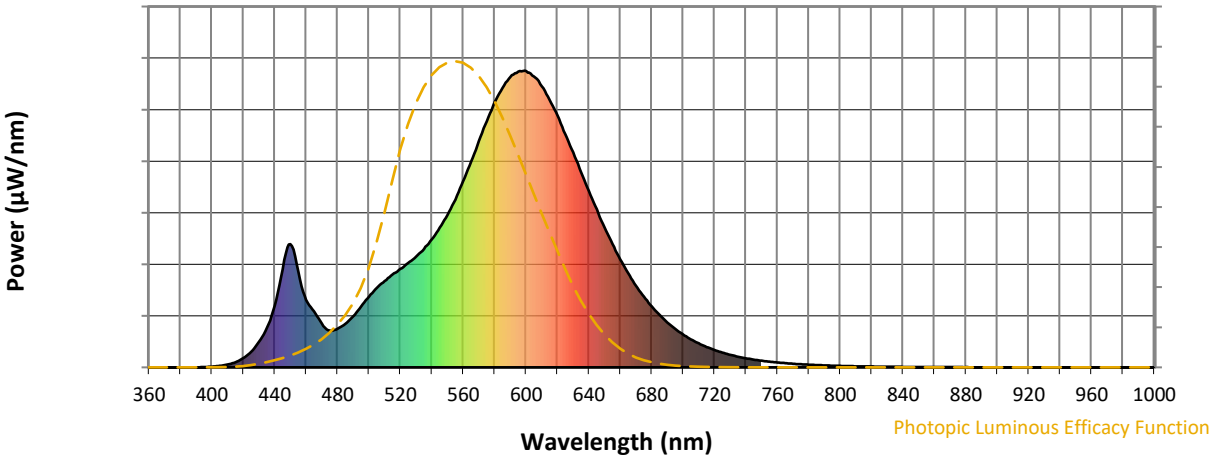


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

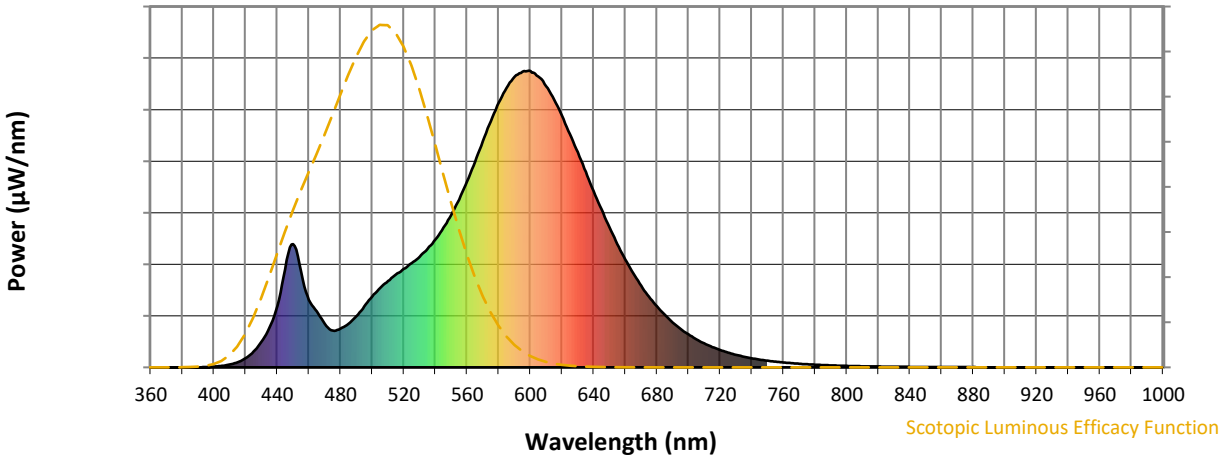


Photopic Lumens: NR

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

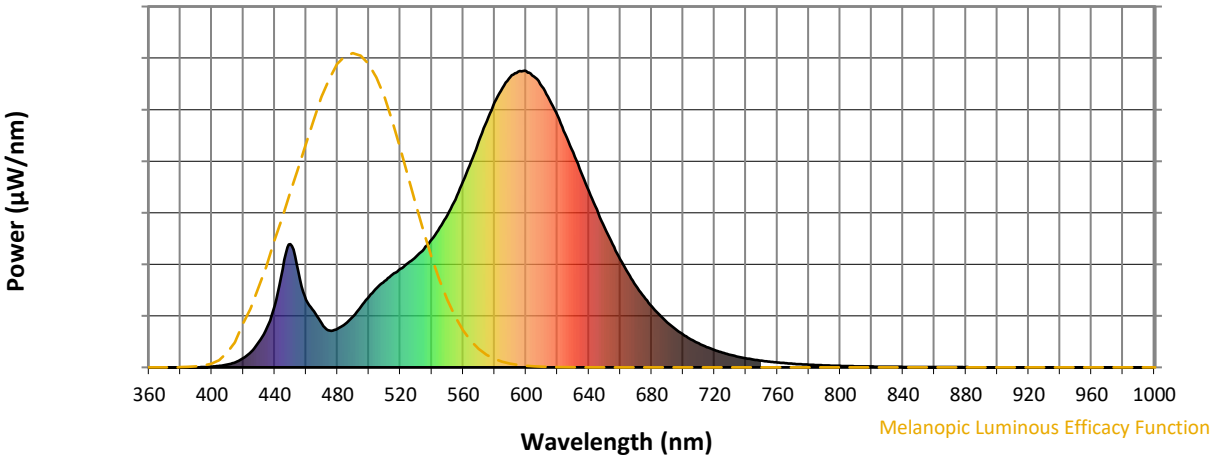


Scotopic Lumens: NR **S/P: 1.16**

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			

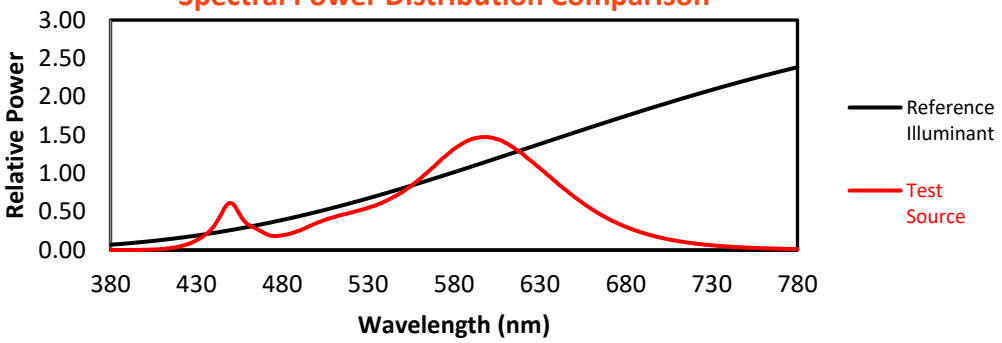
REPORT NUMBER: SP1-2501-332-3

TM-30-18

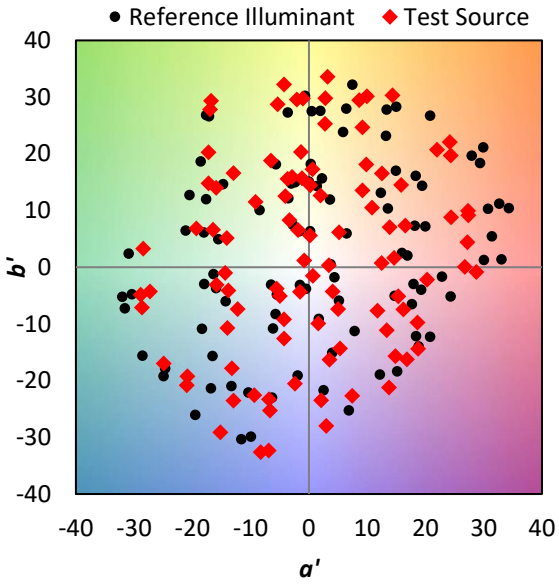
Summary

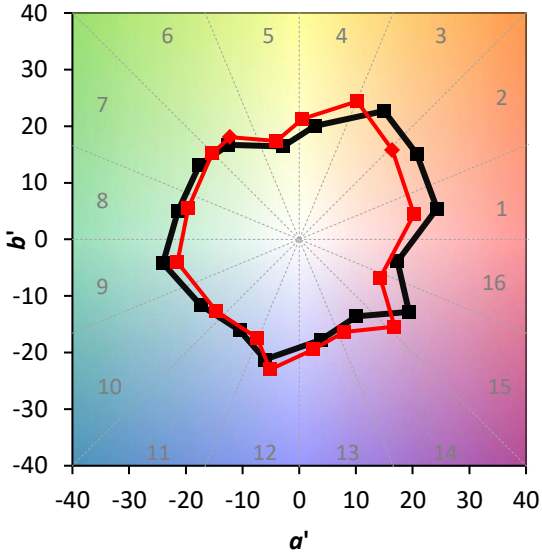
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

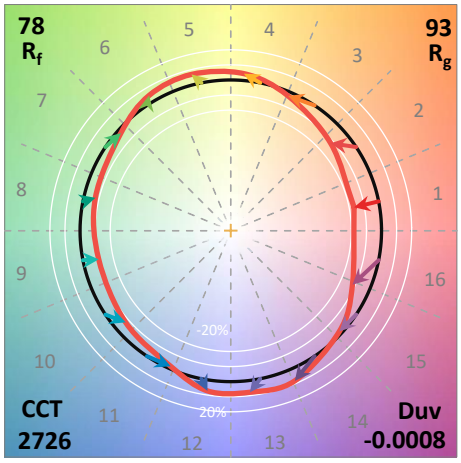
Spectral Power Distribution Comparison

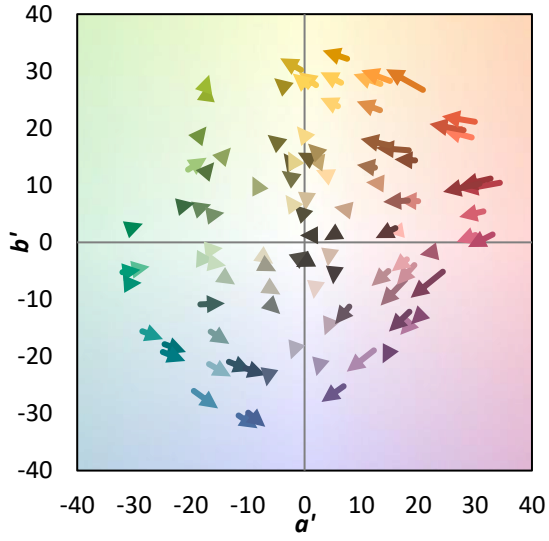


Color Vector Graphics







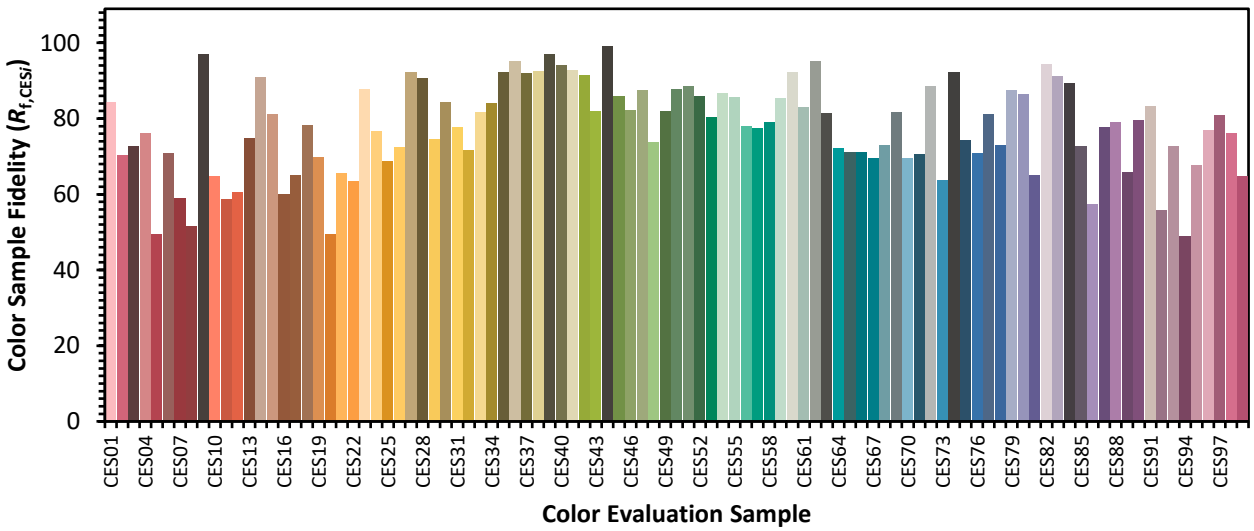


REPORT NUMBER: SP1-2501-332-3

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

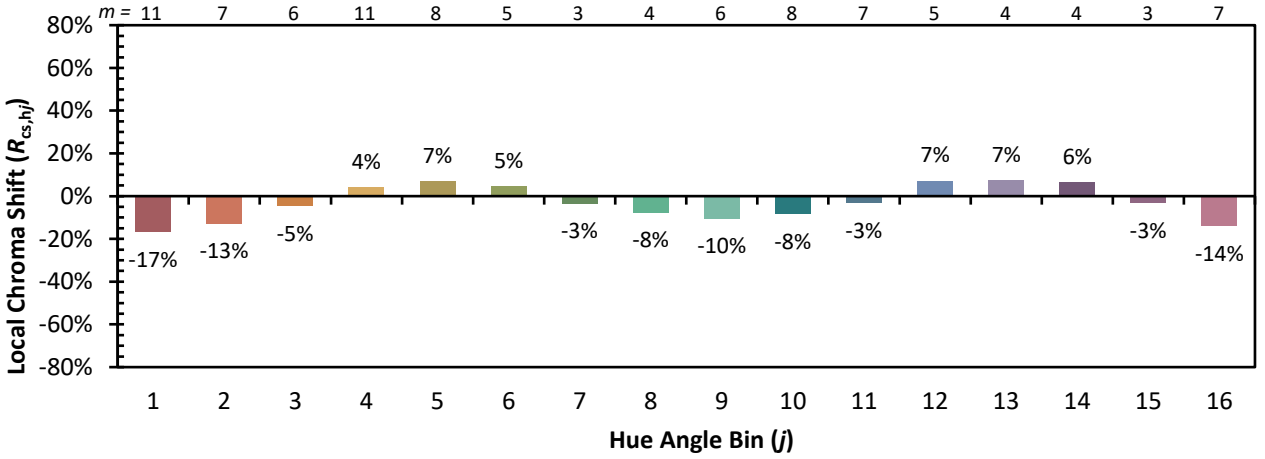
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

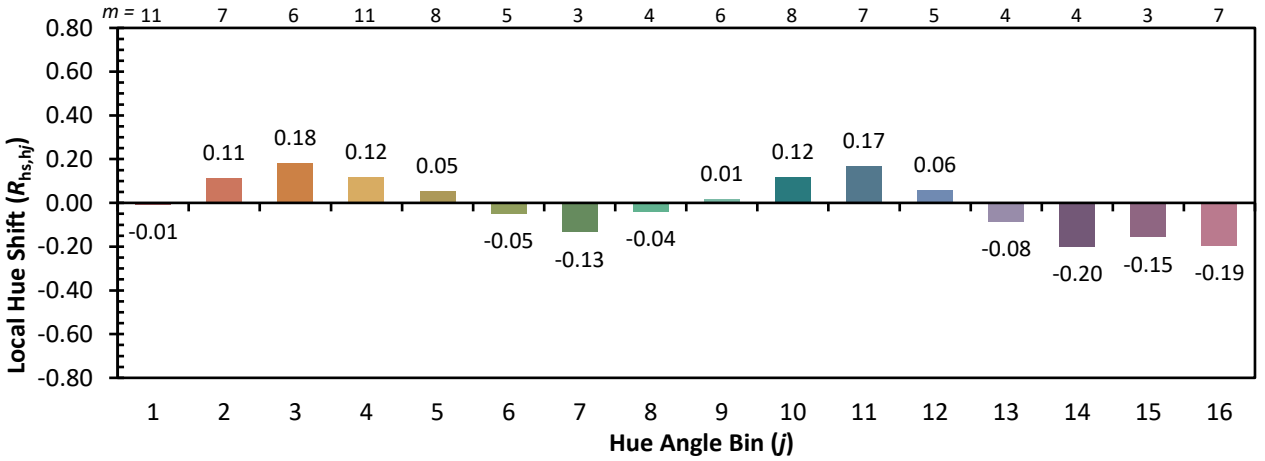


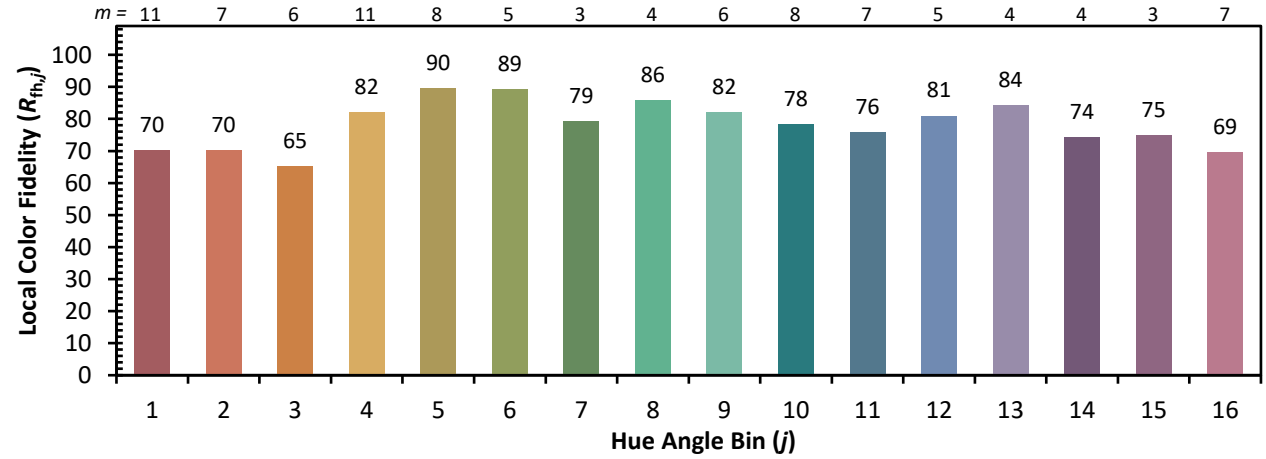
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



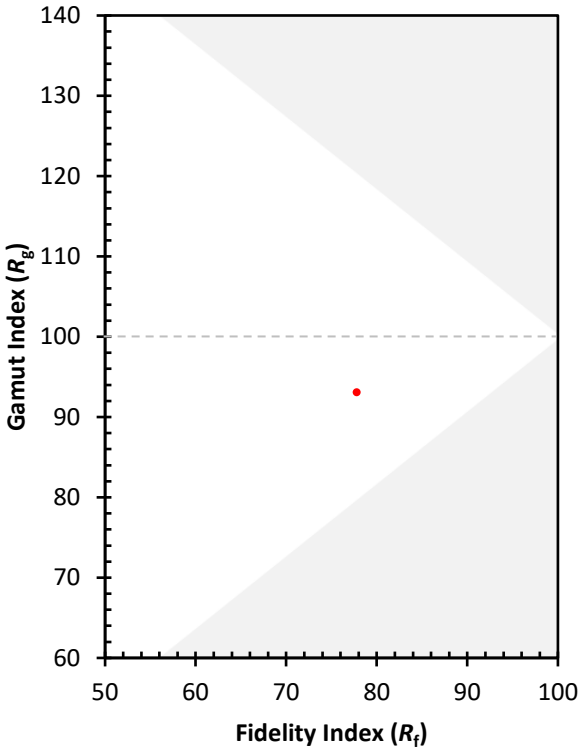


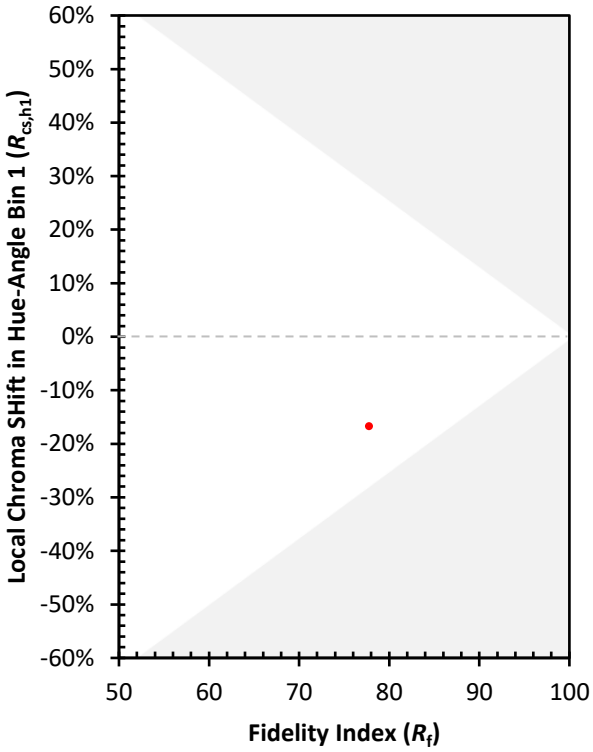


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Measure Comparisons





(END OF REPORT)