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: P1046419

Luminaire Tested: **FFX-CLB-70-727-U-FR-T4-UPLR**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046419
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-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:	10113.5 lumens
Efficiency:	N/A
Efficacy:	142.0 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):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

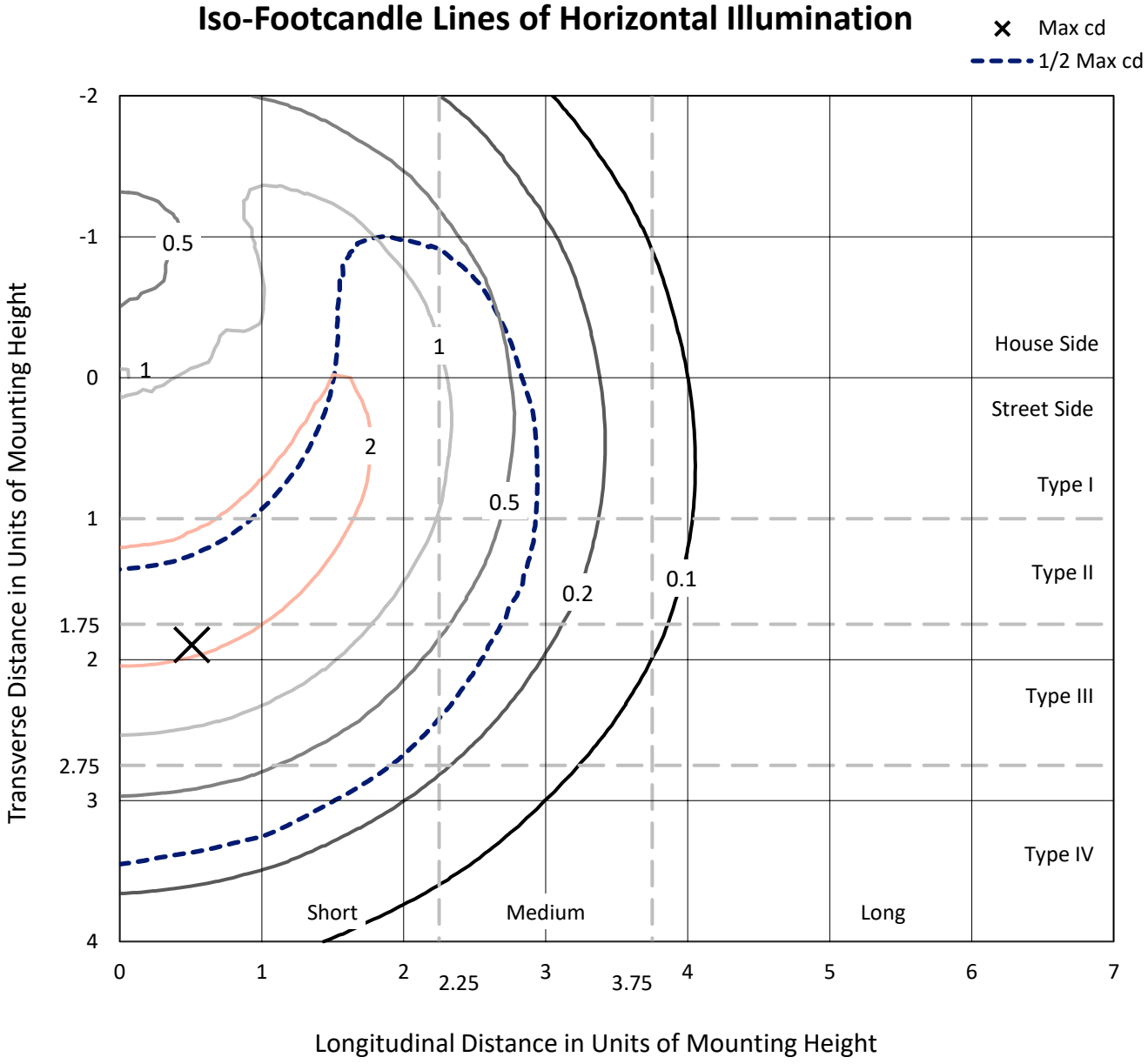


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Iso-Footcandle Lines of Horizontal Illumination



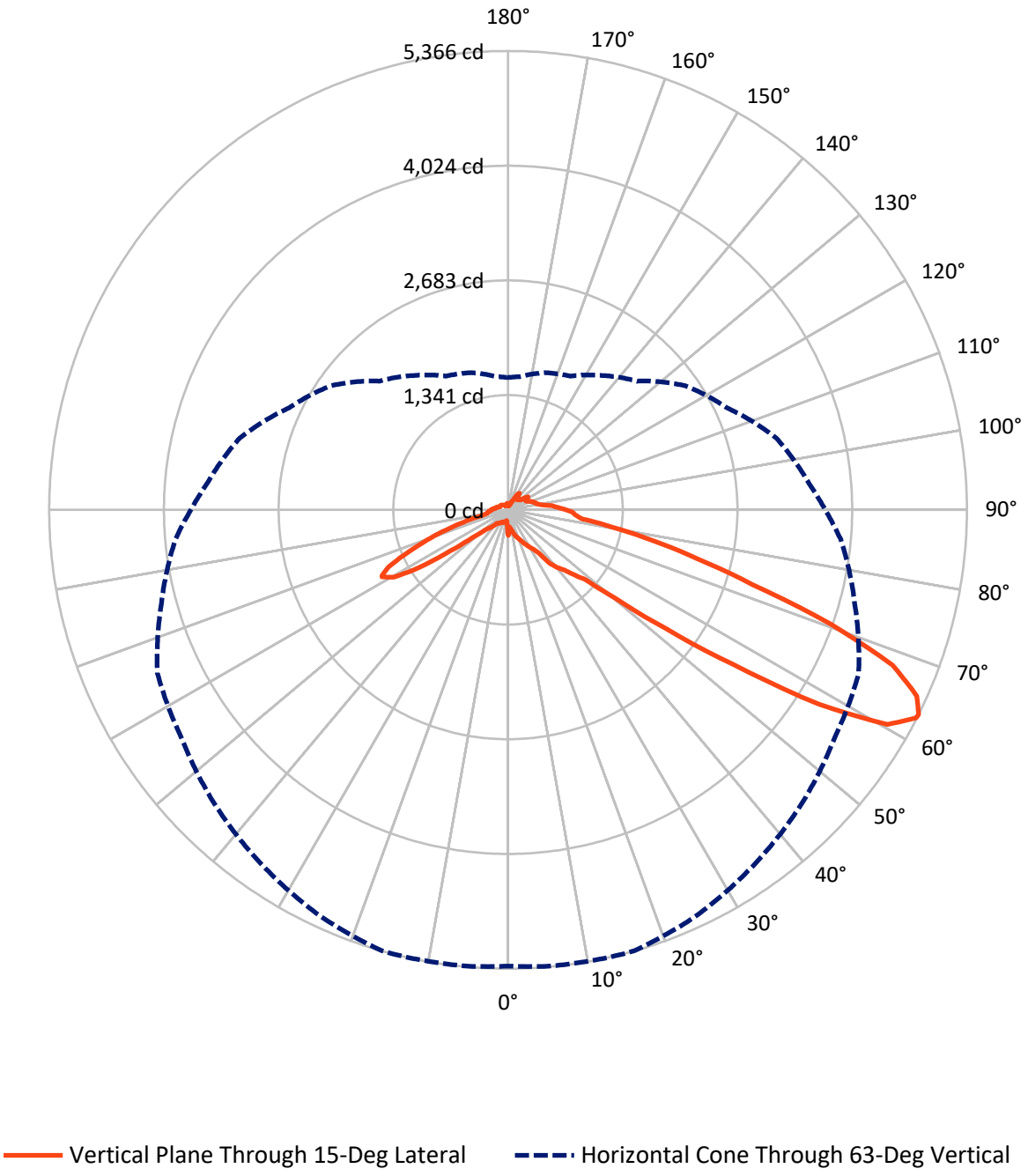
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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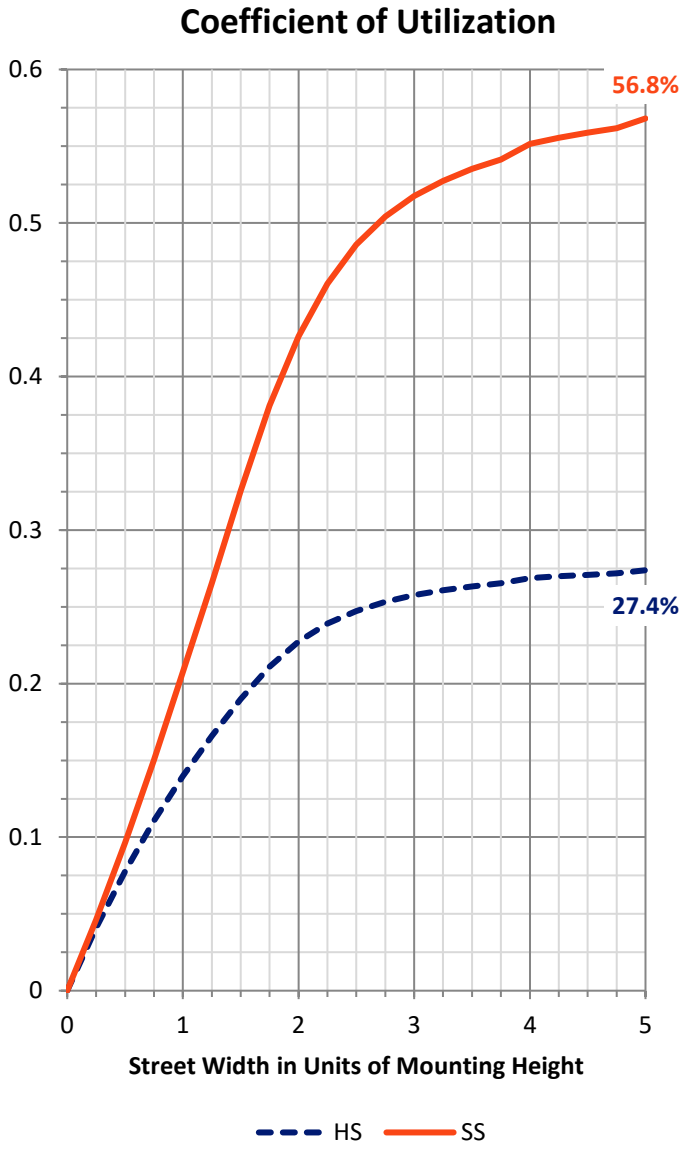
REPORT NUMBER: P1046419
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2860.2	466.0	3326.2
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	5988.9	798.3	6787.2
	% Fixture	59.2	7.9	67.1
Total	Lumens	8849.2	1264.3	10113.5
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.2
10°-20°	66.2	0.7
20°-30°	143.5	1.4
30°-40°	294.9	2.9
40°-50°	608.2	6.0
50°-60°	2000.7	19.8
60°-70°	3312.6	32.8
70°-80°	1737.5	17.2
80°-90°	667.2	6.6
90°-100°	403.0	4.0
100°-110°	253.9	2.5
110°-120°	188.0	1.9
120°-130°	160.0	1.6
130°-140°	104.3	1.0
140°-150°	90.7	0.9
150°-160°	41.5	0.4
160°-170°	17.0	0.2
170°-180°	5.9	0.1
0°-90°	8849.2	87.5
0°-180°	10113.5	100.0



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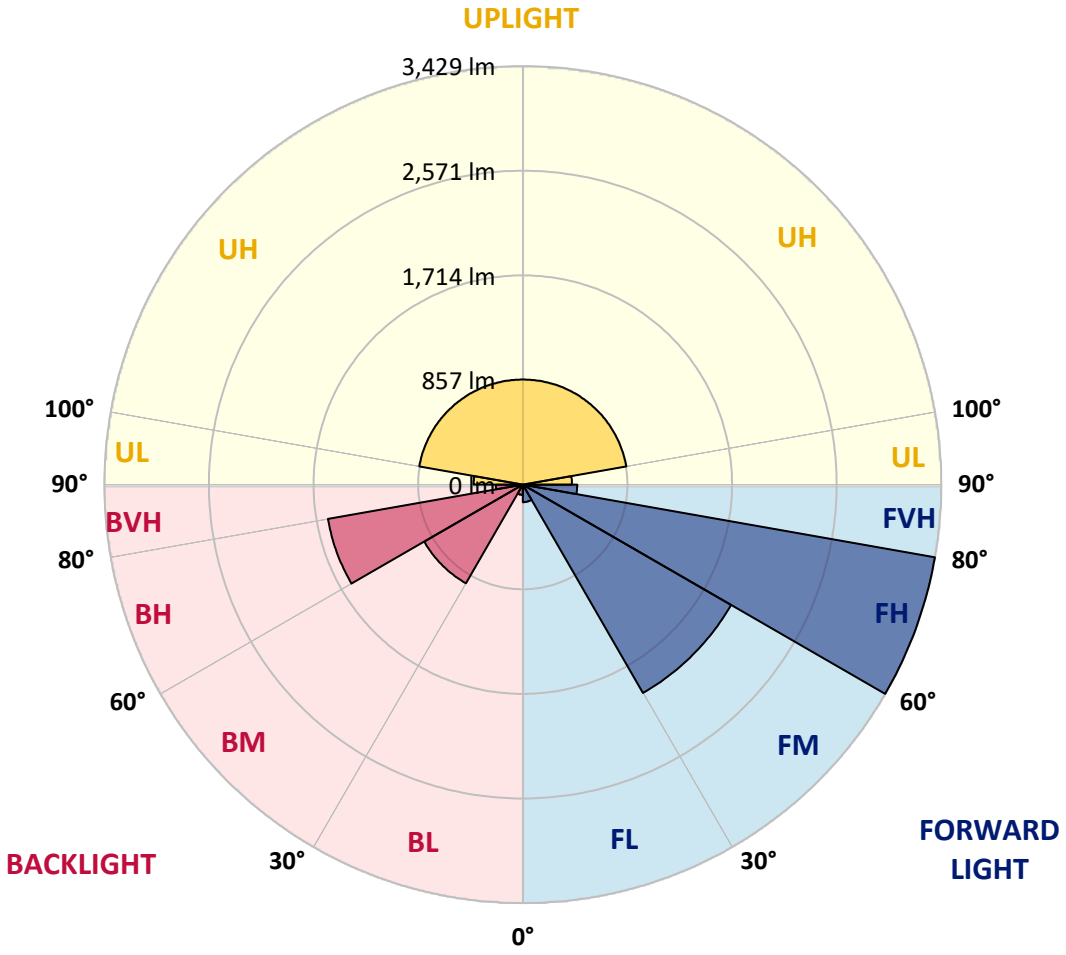
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	143.9	1.4			
FM	(30°-60°)	1970.7	19.5			
FH	(60°-80°)	3428.6	33.9			G2/5000
FVH	(80°-90°)	445.8	4.4			G3/500
BL	(0°-30°)	84.2	0.8	B0/110		
BM	(30°-60°)	933.2	9.2	B1/1000		
BH	(60°-80°)	1621.4	16.0	B3/2500		G3/2500
BVH	(80°-90°)	221.4	2.2			G2/225
UL	(90°-100°)	403.0	4.0		U3/500	
UH	(100°-180°)	861.3	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°	298.7	298.7	*298.7*	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7
2.5°	183.9	183.9	*210.4*	215.1	240.3	248.2	234.3	223.7	249.6	302.7	311.3
5°	199.8	203.8	*203.1*	202.4	203.8	227.7	252.2	240.9	197.8	157.3	157.3
7.5°	226.3	227.7	*227.0*	226.3	217.7	203.8	197.8	215.7	227.0	193.2	162.0
10°	244.9	243.6	*242.9*	242.3	243.6	248.9	246.9	225.0	203.1	191.8	185.2
12.5°	280.1	280.8	*278.8*	277.4	276.1	274.1	272.1	276.8	264.8	232.3	210.4
15°	306.7	306.7	*312.0*	310.6	310.6	304.0	294.7	281.4	265.5	256.9	237.6
17.5°	334.5	335.2	*334.5*	334.5	331.9	323.2	313.3	301.3	284.8	270.1	253.6
20°	361.7	361.7	*361.1*	360.4	359.8	353.1	340.5	324.6	309.3	295.4	278.1
22.5°	390.3	392.3	*393.6*	392.3	390.3	383.6	369.7	354.4	339.8	319.9	301.3
25°	430.8	431.4	*430.1*	428.8	426.1	417.5	406.9	391.0	373.0	351.8	327.2
27.5°	469.3	470.6	*469.9*	469.9	464.6	457.3	446.7	425.5	405.6	381.0	355.8
30°	513.1	511.8	*508.4*	509.1	505.8	499.8	487.9	469.3	444.1	414.8	387.0
32.5°	556.2	556.2	*551.6*	549.6	549.6	541.6	528.3	509.1	485.2	454.0	426.8
35°	603.4	615.3	*627.2*	631.9	631.9	620.6	604.7	579.5	558.9	526.4	492.5
37.5°	829.7	822.4	*793.2*	796.5	786.5	781.9	771.3	750.0	721.5	671.7	619.9
40°	909.3	908.0	*886.1*	883.5	878.8	863.5	852.3	837.7	827.7	768.0	690.3
42.5°	923.3	930.6	*959.8*	967.1	1004.9	981.7	936.6	854.3	833.7	788.5	756.0
45°	1079.9	1082.6	*1082.6*	1083.9	1074.0	1056.7	1050.7	998.3	957.1	892.1	831.0
47.5°	1235.9	1241.9	*1218.7*	1237.2	1263.1	1227.9	1212.0	1168.9	1112.5	1062.0	961.8
50°	1598.3	1621.6	*1626.2*	1626.9	1638.1	1635.5	1611.6	1551.9	1495.4	1379.9	1268.4
52.5°	2269.4	2291.9	*2301.9*	2278.0	2242.8	2226.9	2232.9	2208.3	2077.5	1953.4	1727.1
55°	3145.5	3184.7	*3184.7*	3209.9	3199.3	3123.6	3119.0	2958.4	2747.3	2609.2	2412.1
57.5°	4317.7	4258.6	*4291.8*	4327.7	4254.7	4175.0	4056.2	3888.3	3579.6	3341.3	3055.9
60°	5186.6	5162.7	*5097.0*	5056.5	4873.9	4716.0	4622.4	4499.6	4265.3	3952.0	3570.3
62.5°	5345.9	5363.1	*5358.5*	5358.5	5212.5	5023.3	4834.1	4654.2	4508.9	4186.3	3884.3
63°	*5335.9*	*5357.2*	*5365.8*	*5363.1*	*5231.7*	*5045.2*	*4857.4*	*4658.9*	*4524.1*	*4194.9*	*3902.9*
65°	5251.0	5268.9	*5253.6*	5248.3	5165.3	5039.2	4828.1	4631.7	4508.9	4156.4	3905.5
67.5°	4909.8	4905.8	*4848.7*	4874.6	4822.2	4751.8	4554.7	4360.9	4275.9	3890.9	3659.9
70°	3965.3	3937.4	*3999.8*	4037.0	3979.9	3952.0	3717.7	3590.2	3480.7	3188.0	3001.5
72.5°	3031.4	2973.6	*2984.2*	3018.1	2946.4	2927.2	2826.9	2722.1	2669.6	2487.1	2280.0
75°	2376.9	2345.7	*2288.0*	2297.3	2238.2	2218.9	2208.3	2177.8	2157.2	2005.2	1800.1
77.5°	1777.5	1776.2	*1727.8*	1720.5	1678.0	1709.8	1697.2	1743.0	1733.1	1612.3	1456.3
80°	1243.9	1236.6	*1249.2*	1244.5	1234.6	1253.2	1233.3	1258.5	1258.5	1179.5	1113.8
82.5°	811.8	826.4	*866.2*	875.5	890.1	933.9	863.5	826.4	816.4	807.8	775.9
85°	805.8	809.8	*792.5*	794.5	787.9	771.3	783.9	789.9	779.9	732.1	661.8
87.5°	759.3	764.6	*750.7*	754.7	730.1	735.4	743.4	748.1	743.4	700.9	642.5
90°	639.9	645.8	*658.4*	658.4	660.4	661.8	649.2	656.5	651.8	611.3	568.8
92.5°	567.5	572.8	*573.5*	574.1	568.8	586.1	565.5	552.9	549.6	517.1	486.5
95°	519.1	513.1	*511.8*	513.1	510.4	509.8	496.5	487.2	483.2	457.3	427.5
97.5°	406.2	409.5	*408.2*	411.5	404.9	404.2	392.9	381.0	377.0	355.8	335.9
100°	356.4	355.8	*357.1*	357.8	353.8	349.1	341.2	332.5	327.9	312.0	292.7
102.5°	334.5	333.9	*336.5*	337.2	333.9	330.5	323.9	318.6	314.6	300.0	278.8
105°	320.6	318.6	*321.9*	321.9	314.6	312.6	308.0	307.3	304.7	287.4	266.8
107.5°	301.3	298.0	*302.0*	301.3	298.7	296.7	292.7	290.1	288.1	273.5	250.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	283.4	278.8	*280.8*	282.1	284.1	282.8	279.4	274.1	268.8	256.9	237.6
112.5°	250.2	252.9	*252.2*	252.2	254.2	254.9	248.9	245.6	242.3	233.0	220.4
115°	237.6	237.6	*237.6*	237.6	232.3	230.3	224.3	220.4	219.7	208.4	200.5
117.5°	227.7	229.0	*232.3*	234.3	240.9	237.0	223.7	215.1	211.7	207.1	198.5
120°	268.2	263.5	*258.9*	258.2	258.9	256.2	253.6	247.6	239.6	227.0	203.1
122.5°	287.4	275.5	*277.4*	276.8	272.1	274.1	274.8	275.5	270.1	250.2	213.1
125°	240.9	237.6	*239.6*	241.6	242.3	241.6	240.3	246.3	239.0	232.3	204.4
127.5°	192.5	191.2	*187.2*	186.5	185.2	185.9	185.9	187.8	181.2	174.6	173.2
130°	183.2	180.5	*181.2*	181.9	181.2	177.2	174.6	171.2	170.6	163.9	154.7
132.5°	165.9	167.3	*178.5*	179.9	187.8	183.2	169.3	160.0	161.3	164.6	161.3
135°	155.3	154.7	*163.3*	163.9	175.9	172.6	161.3	150.7	150.7	158.6	155.3
137.5°	158.6	160.0	*160.6*	161.3	160.6	160.0	159.3	154.7	151.3	150.7	142.7
140°	170.6	169.9	*163.3*	163.9	163.3	163.3	167.3	170.6	159.3	149.3	136.1
142.5°	178.5	180.5	*177.9*	181.2	187.2	181.9	175.2	166.6	160.0	153.3	145.4
145°	242.3	237.6	*235.6*	234.3	230.3	219.0	212.4	203.8	195.8	185.2	171.9
147.5°	219.7	221.0	*217.0*	218.4	213.1	209.1	207.8	208.4	205.8	199.8	185.9
150°	174.6	175.9	*171.9*	169.9	167.9	167.9	167.9	169.3	165.9	162.0	155.3
152.5°	122.1	120.8	*119.5*	118.8	117.5	116.2	116.2	116.8	113.5	112.2	106.9
155°	112.2	111.5	*106.2*	104.9	106.2	107.5	108.2	106.2	103.5	100.9	93.6
157.5°	87.6	85.6	*85.0*	86.3	86.3	85.6	84.3	85.6	83.0	82.3	81.0
160°	71.7	71.0	*71.7*	71.7	72.3	72.3	71.7	71.7	70.4	71.0	71.0
162.5°	61.1	61.1	*61.1*	60.4	61.7	62.4	61.7	61.7	62.4	64.4	65.7
165°	52.4	52.4	*53.1*	53.1	53.8	53.8	54.4	55.1	56.4	61.1	65.0
167.5°	49.1	49.1	*49.8*	49.8	50.4	51.1	52.4	55.1	59.1	64.4	66.4
170°	48.5	48.5	*48.5*	48.5	49.1	49.8	52.4	56.4	61.1	64.4	62.4
172.5°	50.4	50.4	*51.1*	51.1	51.1	53.8	55.8	59.1	61.7	62.4	60.4
175°	52.4	51.8	*52.4*	52.4	53.1	55.1	57.7	59.1	60.4	61.1	61.7
177.5°	51.1	51.1	*51.1*	51.8	51.8	52.4	53.8	54.4	55.8	57.1	59.1
180°	49.8	49.8	*49.8*	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7
2.5°	311.3	302.7	235.6	201.8	230.3	286.1	291.4	252.2	195.8	136.1	124.1
5°	165.9	175.2	195.8	195.1	181.9	169.9	155.3	146.0	161.3	154.7	158.6
7.5°	150.0	141.4	144.7	169.3	165.3	125.4	113.5	110.8	124.1	154.7	151.3
10°	182.5	179.9	169.9	150.0	143.4	148.7	153.3	150.0	138.1	120.1	117.5
12.5°	206.4	203.1	204.4	217.0	201.8	167.3	148.0	142.0	148.7	175.2	180.5
15°	229.7	223.7	215.1	197.1	182.5	173.2	162.0	150.0	154.0	146.7	144.0
17.5°	245.6	236.3	218.4	205.1	190.5	178.5	168.6	156.0	147.4	145.4	146.0
20°	266.8	256.9	237.6	222.4	204.4	188.5	171.2	158.0	149.3	146.0	146.0
22.5°	291.4	279.4	257.5	236.3	216.4	195.8	175.2	160.6	152.7	149.3	148.0
25°	317.3	305.3	278.1	255.5	230.3	207.8	186.5	167.9	159.3	155.3	152.0
27.5°	343.8	329.2	302.0	274.1	246.9	220.4	197.8	178.5	166.6	160.0	160.6
30°	373.0	361.1	330.5	298.7	264.8	233.6	211.7	189.8	175.2	167.9	168.6
32.5°	412.2	392.9	356.4	319.9	286.7	252.2	224.3	199.1	183.2	178.5	179.2
35°	477.2	452.7	408.2	358.4	314.0	273.5	238.3	208.4	189.8	182.5	181.9
37.5°	594.7	561.5	510.4	452.0	387.6	321.9	264.8	219.0	195.8	183.9	181.9
40°	651.8	606.7	542.3	491.8	448.0	391.6	326.6	257.5	205.8	190.5	188.5
42.5°	728.1	690.3	606.7	508.4	450.0	402.9	357.1	312.6	248.2	208.4	201.1
45°	801.8	768.0	702.3	606.0	519.1	445.4	377.0	328.6	288.7	248.2	244.9
47.5°	925.9	890.1	780.6	695.0	603.4	519.7	448.0	368.4	316.6	288.1	288.1
50°	1237.2	1171.5	1063.3	931.9	784.6	649.2	547.6	450.0	387.6	344.5	342.5
52.5°	1672.0	1579.1	1419.8	1274.4	1100.5	943.9	785.9	616.0	525.0	462.6	462.0
55°	2299.9	2205.0	1991.9	1712.5	1499.4	1312.2	1148.3	961.8	818.4	717.5	709.6
57.5°	2969.6	2890.0	2672.9	2325.8	1989.9	1658.7	1460.3	1311.6	1242.5	1172.2	1157.6
60°	3403.7	3267.0	3069.2	2738.0	2412.7	1990.6	1744.3	1573.8	1550.5	1535.3	1516.0
62.5°	3677.2	3515.9	3221.9	2824.9	2526.2	2126.7	1906.3	1724.4	1670.0	1588.4	1565.1
63°	*3708.4*	*3533.2*	*3246.4*	*2822.9*	*2529.6*	*2128.7*	*1918.2*	*1724.4*	*1660.7*	*1562.5*	*1547.2*
65°	3693.8	3531.2	3245.1	2781.8	2452.6	2089.5	1883.7	1645.4	1543.9	1413.8	1387.9
67.5°	3470.8	3297.5	3028.0	2572.7	2275.3	1905.0	1678.6	1425.7	1271.8	1144.3	1114.4
70°	2825.6	2718.1	2481.1	2087.5	1861.8	1573.1	1374.6	1176.2	1009.6	875.5	841.6
72.5°	2153.2	2040.4	1862.5	1606.9	1440.3	1241.9	1054.0	901.4	764.0	675.0	677.7
75°	1708.5	1601.0	1454.3	1286.4	1150.3	973.7	787.9	636.5	539.0	485.9	481.2
77.5°	1376.0	1301.6	1173.5	1018.9	901.4	716.9	551.6	419.5	347.1	316.6	308.0
80°	1060.7	1008.9	913.3	777.3	655.1	503.8	375.7	296.7	258.2	232.3	227.7
82.5°	754.7	723.5	643.8	548.9	466.0	387.0	329.2	277.4	237.6	215.7	209.1
85°	629.9	600.7	550.3	491.2	438.1	380.3	319.3	264.2	227.0	209.7	201.1
87.5°	611.3	584.1	535.6	472.6	414.8	352.5	290.7	239.0	212.4	195.8	190.5
90°	547.6	527.0	484.5	426.8	369.0	305.3	251.6	215.1	194.5	181.2	175.2
92.5°	471.9	454.0	418.8	370.4	321.9	276.1	235.0	204.4	183.9	170.6	165.9
95°	410.2	398.9	369.7	328.6	293.4	255.5	220.4	191.2	169.9	158.0	153.3
97.5°	327.2	314.0	292.7	264.2	237.6	211.1	185.2	165.3	150.0	142.0	138.1
100°	284.8	276.1	256.9	234.3	211.7	188.5	168.6	153.3	143.4	136.7	133.4
102.5°	268.2	262.2	244.3	221.7	200.5	177.9	158.0	144.0	136.7	130.8	128.1
105°	252.9	248.2	234.3	213.7	193.2	168.6	146.0	134.1	127.4	123.5	121.5
107.5°	237.0	231.7	218.4	198.5	180.5	159.3	139.4	124.8	116.2	111.5	110.8

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

Scaled Data Report

REPORT NUMBER: P1046419
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	223.7	219.7	205.1	189.2	171.9	152.0	134.7	119.5	109.5	104.2	103.5
112.5°	209.7	205.1	190.5	175.2	160.6	143.4	128.1	114.8	105.5	100.2	99.6
115°	191.2	187.2	176.6	162.0	150.0	133.4	120.8	108.9	101.6	96.2	95.6
117.5°	193.2	181.9	167.3	154.0	143.4	131.4	120.1	110.8	99.6	93.6	93.6
120°	195.8	185.2	170.6	159.3	153.3	144.0	126.8	113.5	98.2	92.3	91.6
122.5°	193.2	194.5	186.5	175.2	163.3	147.4	126.1	111.5	96.2	91.6	92.3
125°	187.2	193.2	181.9	166.6	150.7	135.4	117.5	104.2	94.9	91.6	90.9
127.5°	169.3	167.9	153.3	142.0	130.8	118.1	106.9	98.9	92.3	88.3	86.3
130°	149.3	148.7	142.7	133.4	122.1	110.8	100.9	95.6	88.9	83.6	82.3
132.5°	157.3	155.3	142.7	127.4	114.8	105.5	98.9	92.9	83.6	77.7	77.0
135°	148.7	147.4	134.7	119.5	108.2	103.5	98.9	90.3	79.0	74.3	73.7
137.5°	136.1	130.8	120.1	110.8	105.5	104.2	98.2	88.3	77.7	72.3	71.7
140°	129.4	125.4	117.5	111.5	105.5	98.2	89.6	80.3	73.0	69.0	68.4
142.5°	137.4	136.1	124.1	113.5	104.2	95.6	86.3	80.3	72.3	67.0	66.4
145°	162.6	156.0	141.4	126.8	118.8	107.5	95.6	83.0	68.4	60.4	58.4
147.5°	177.9	171.9	157.3	141.4	124.1	106.2	87.6	71.7	60.4	54.4	53.1
150°	147.4	144.7	135.4	120.8	106.2	89.6	74.3	63.1	55.8	51.8	51.8
152.5°	103.5	102.9	98.9	90.3	81.0	71.7	63.7	57.1	53.1	50.4	50.4
155°	91.6	90.3	87.6	79.7	73.0	65.0	59.1	55.1	52.4	50.4	50.4
157.5°	79.0	77.7	77.0	71.0	65.7	60.4	55.8	52.4	50.4	49.1	48.5
160°	70.4	68.4	66.4	63.1	59.7	57.1	55.1	52.4	50.4	49.1	49.1
162.5°	65.7	64.4	61.1	58.4	57.1	57.1	57.7	56.4	52.4	50.4	49.8
165°	65.7	63.7	59.1	56.4	56.4	59.7	63.1	60.4	57.1	53.1	52.4
167.5°	66.4	65.0	60.4	58.4	60.4	64.4	67.7	67.0	62.4	59.1	59.1
170°	61.7	61.1	61.7	63.7	65.7	66.4	67.7	67.0	68.4	73.0	73.0
172.5°	59.7	60.4	63.7	67.0	71.0	71.0	67.7	67.0	73.0	79.7	81.0
175°	62.4	63.7	67.0	71.0	74.3	74.3	71.0	71.7	77.7	83.6	85.0
177.5°	59.7	60.4	61.7	61.1	62.4	59.1	60.4	59.1	61.1	61.1	61.1
180°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8

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

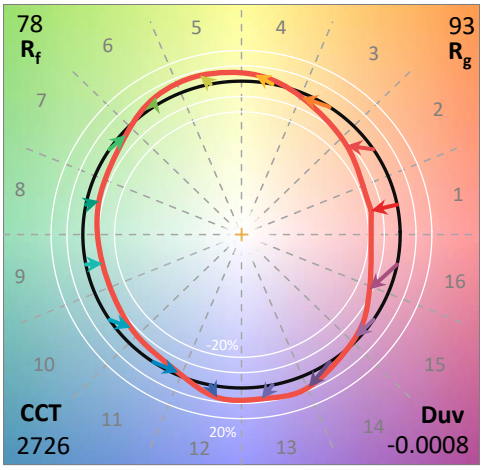
Test Information

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

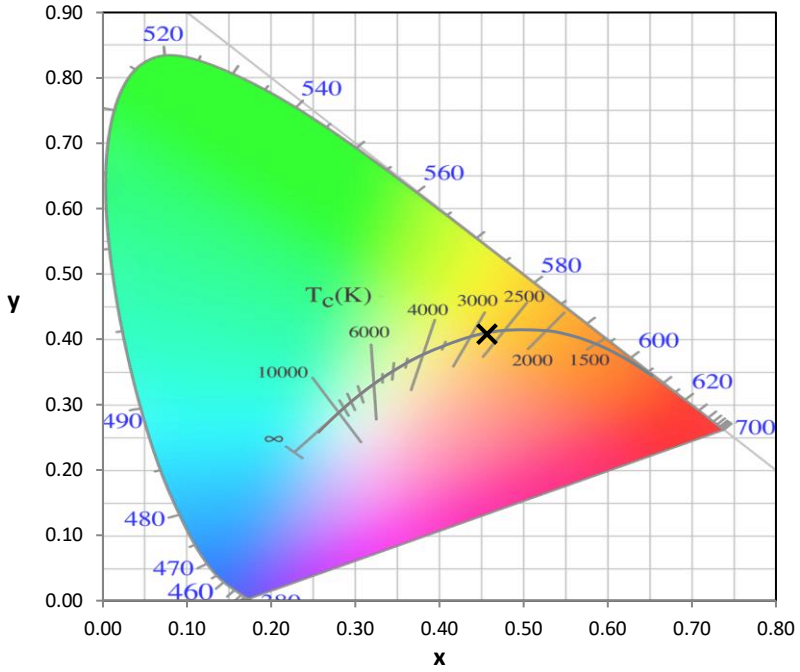
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

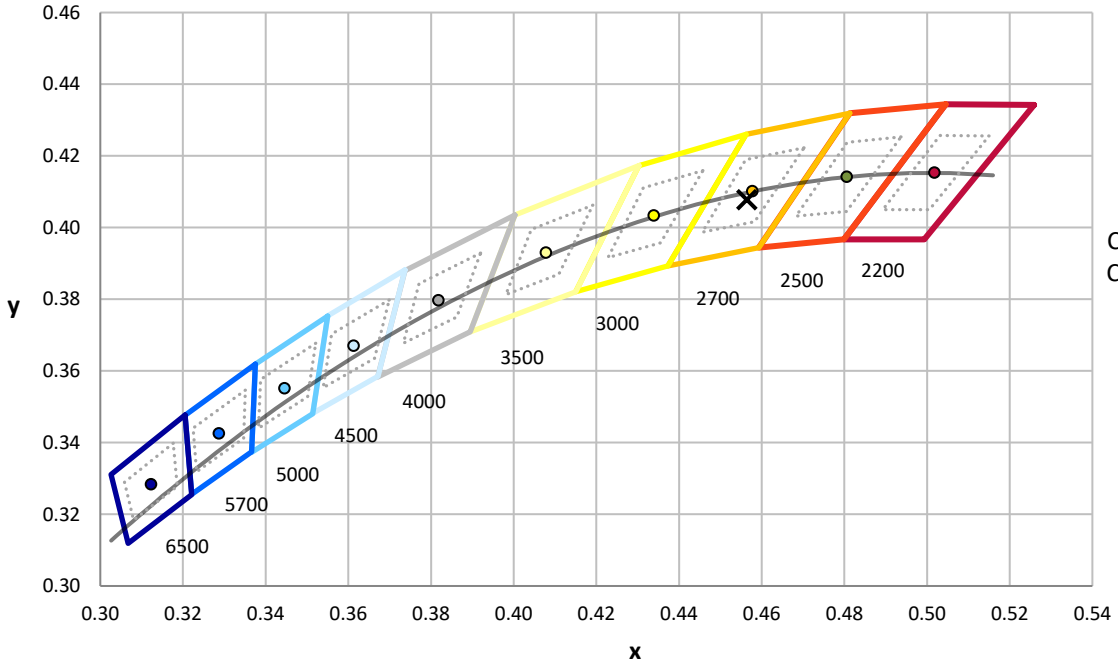
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

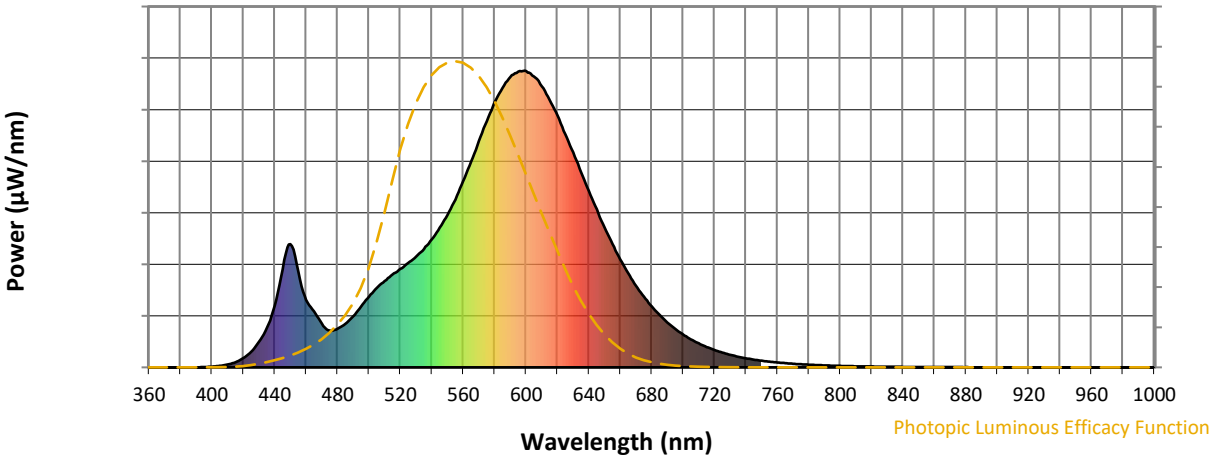


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

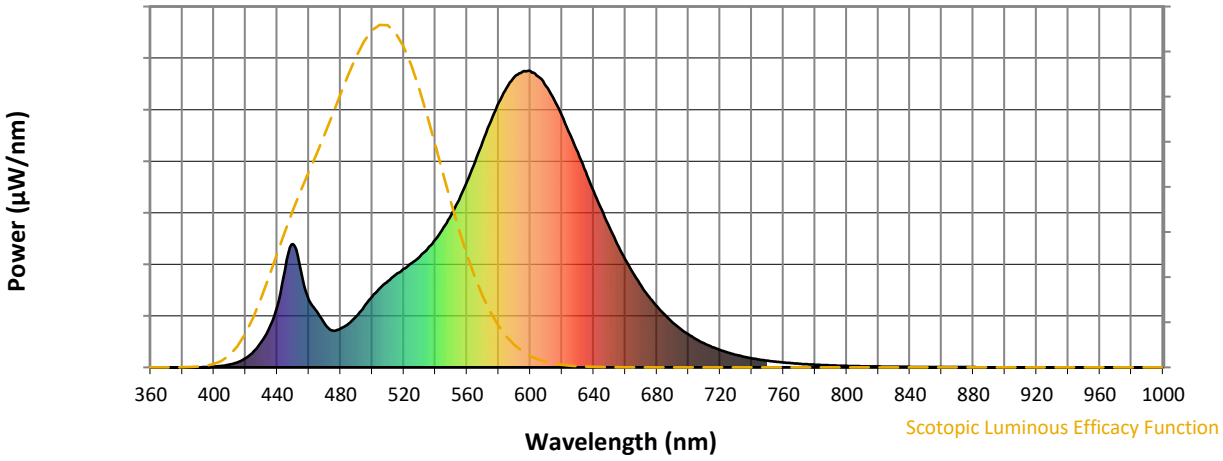


Photopic Lumens: NR

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

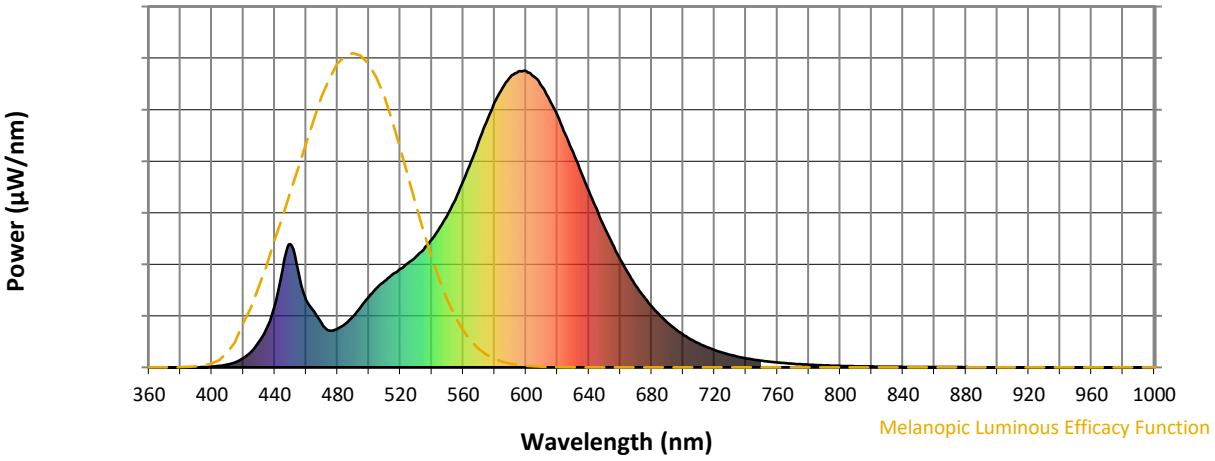


Scotopic Lumens: NR **S/P: 1.16**

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			

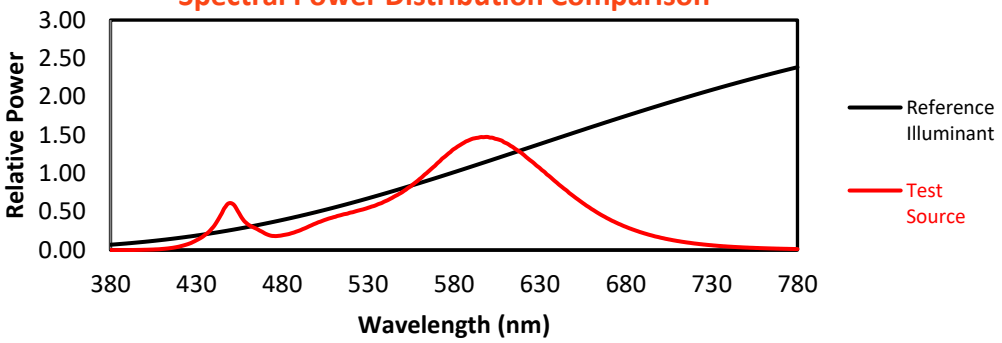
REPORT NUMBER: SP1-2501-332-3

TM-30-18

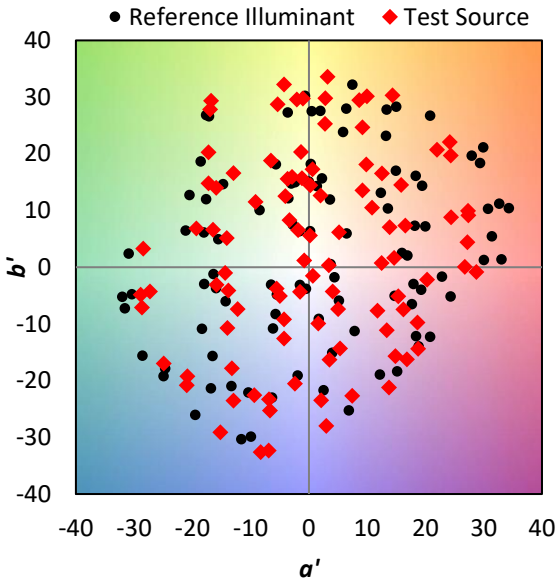
Summary

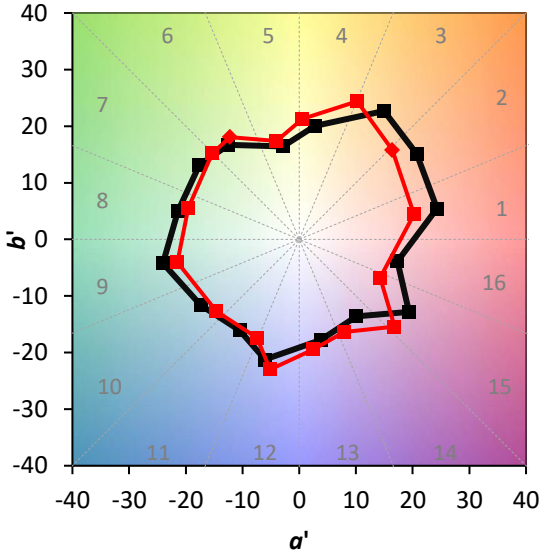
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

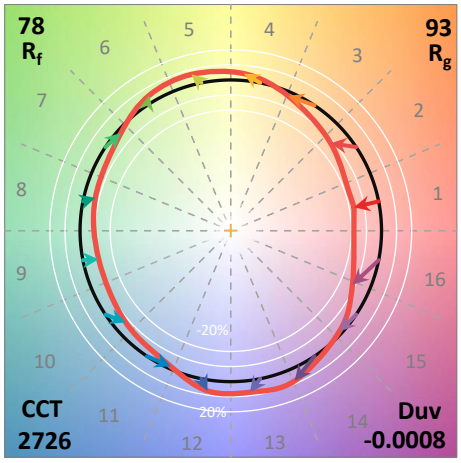
Spectral Power Distribution Comparison

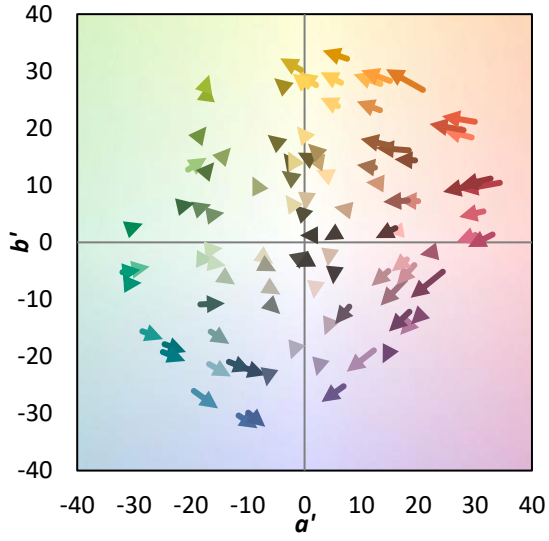


Color Vector Graphics







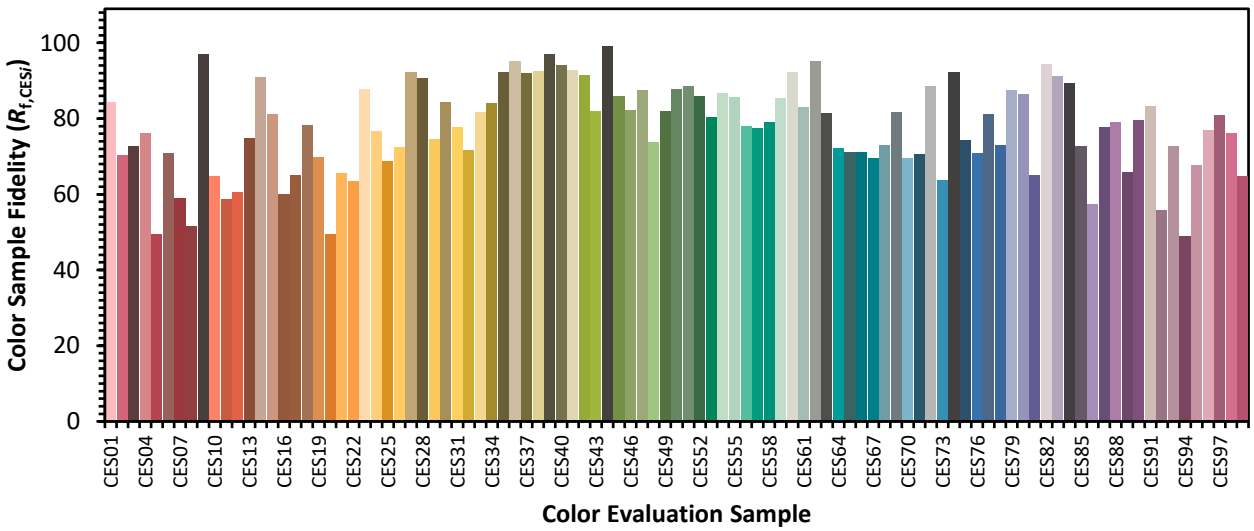


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

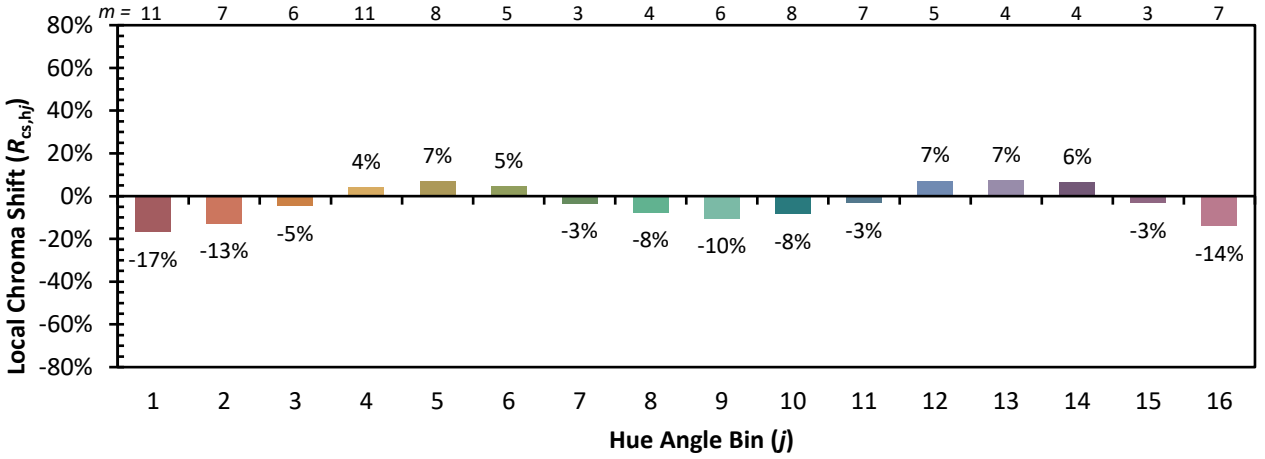
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
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CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

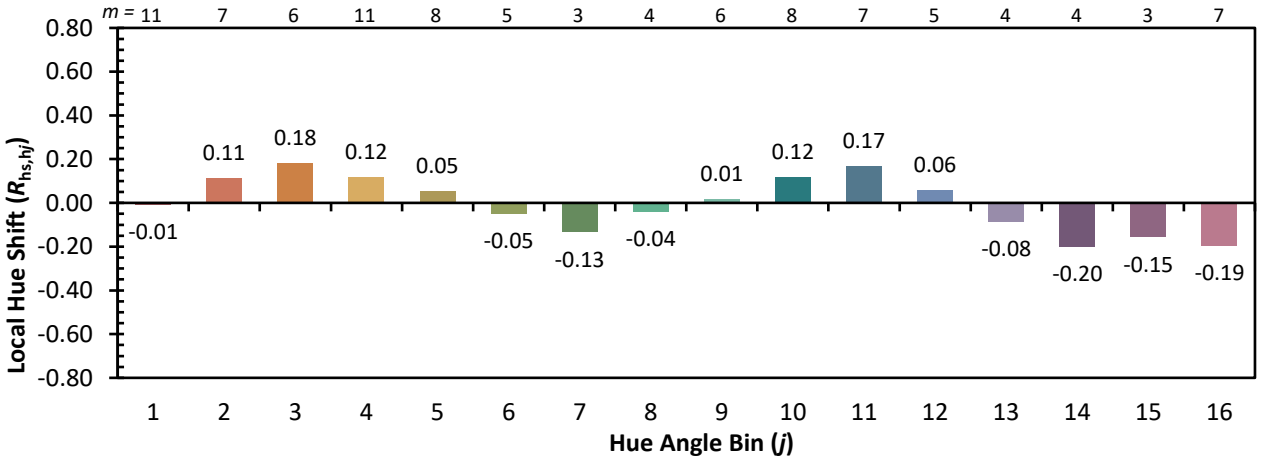


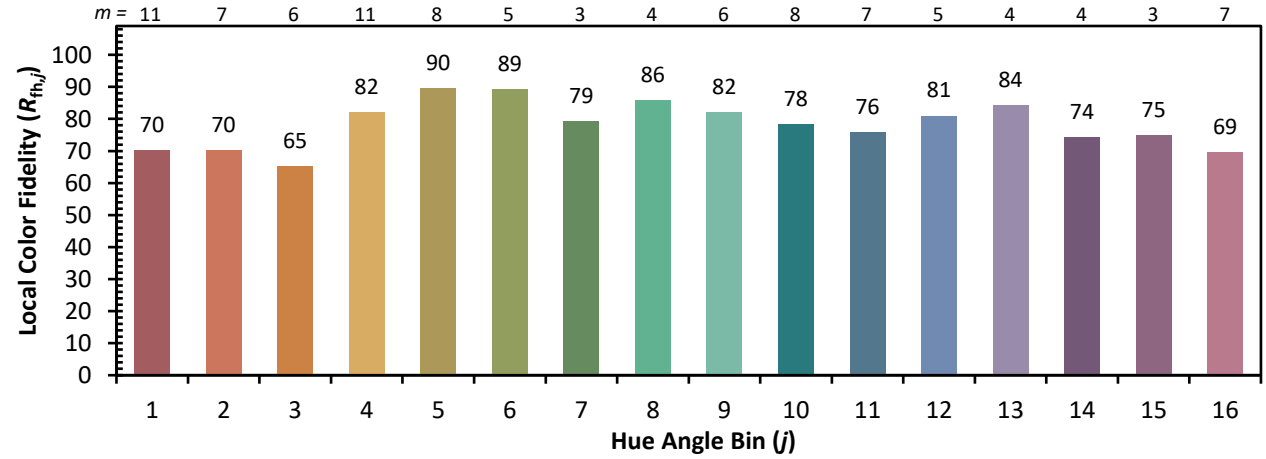
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Color Rendition by Hue-Angle Bin



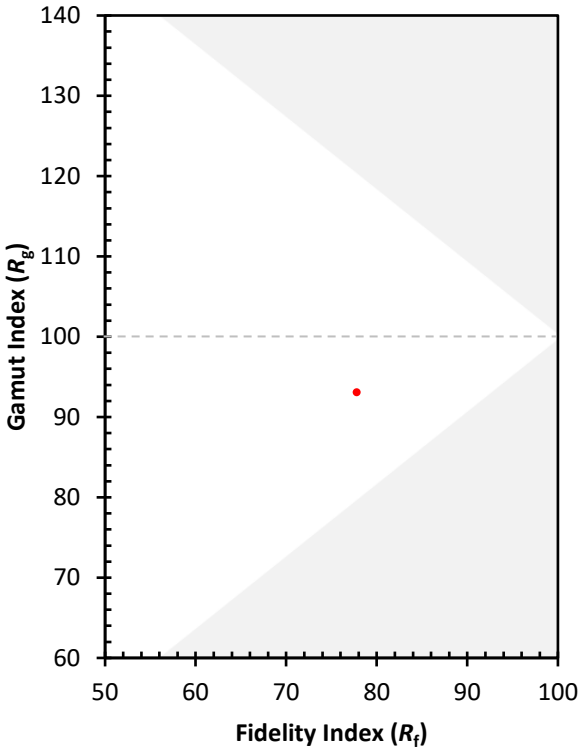


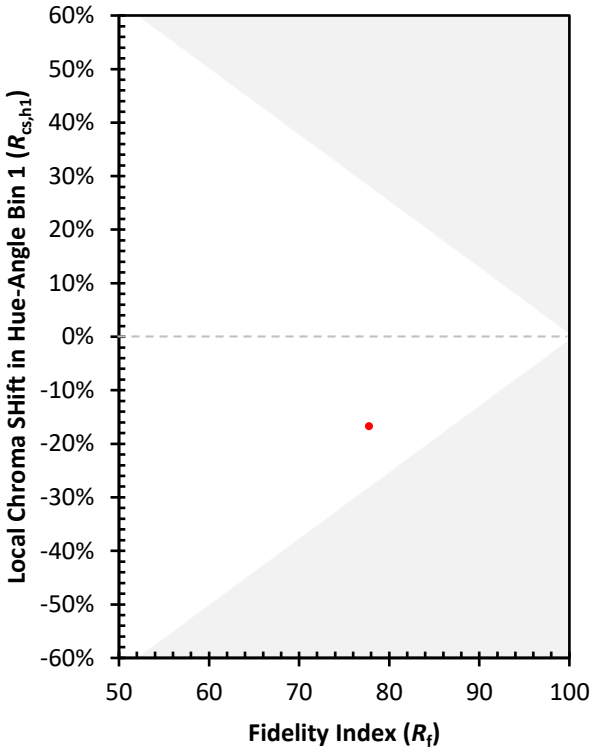


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Measure Comparisons





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