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: P981426

Luminaire Tested: **FFX-CLB-80-730-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981426
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12375.8 lumens
Efficiency:	N/A
Efficacy:	151.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B3 - U5 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

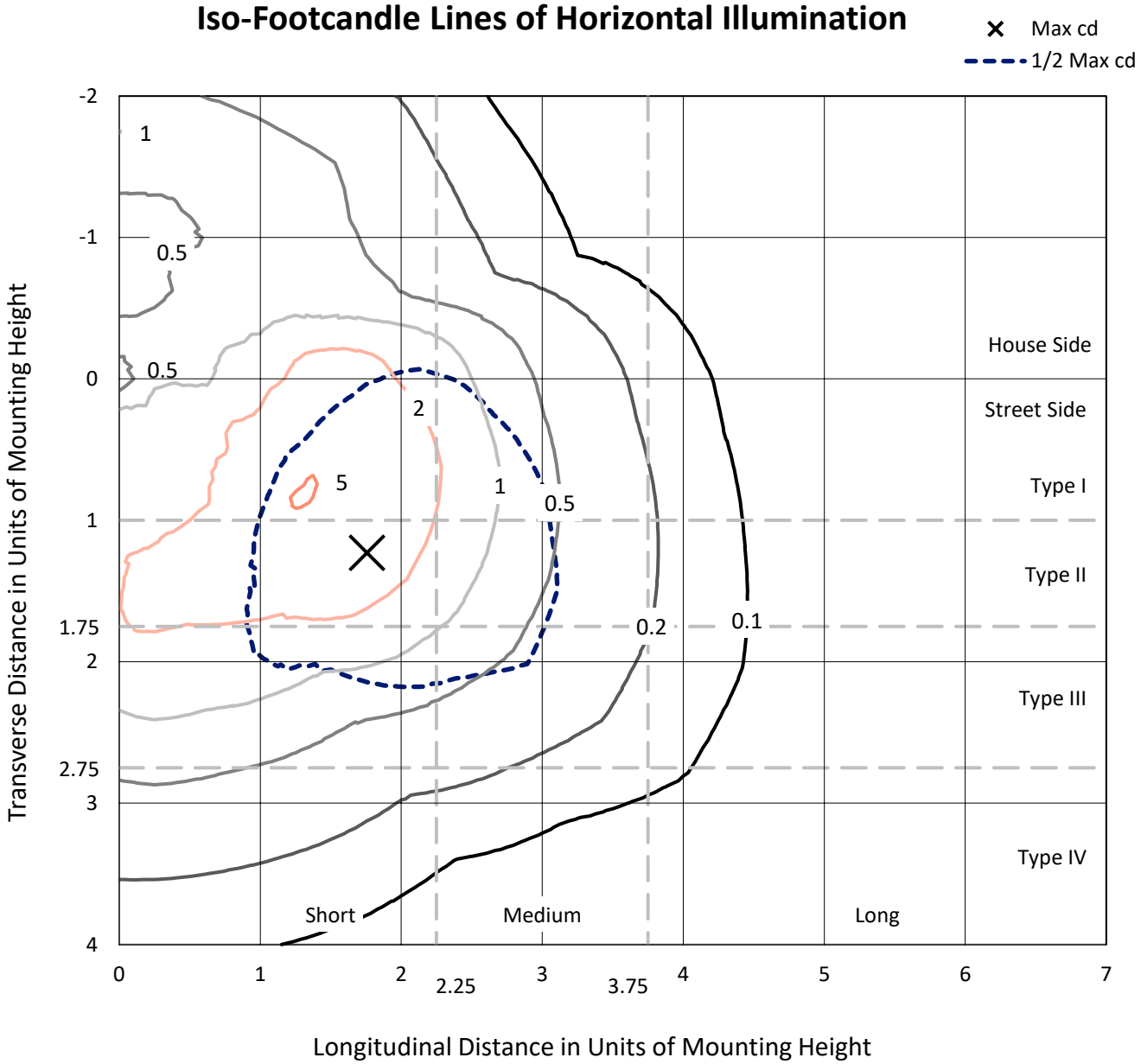


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Iso-Footcandle Lines of Horizontal Illumination



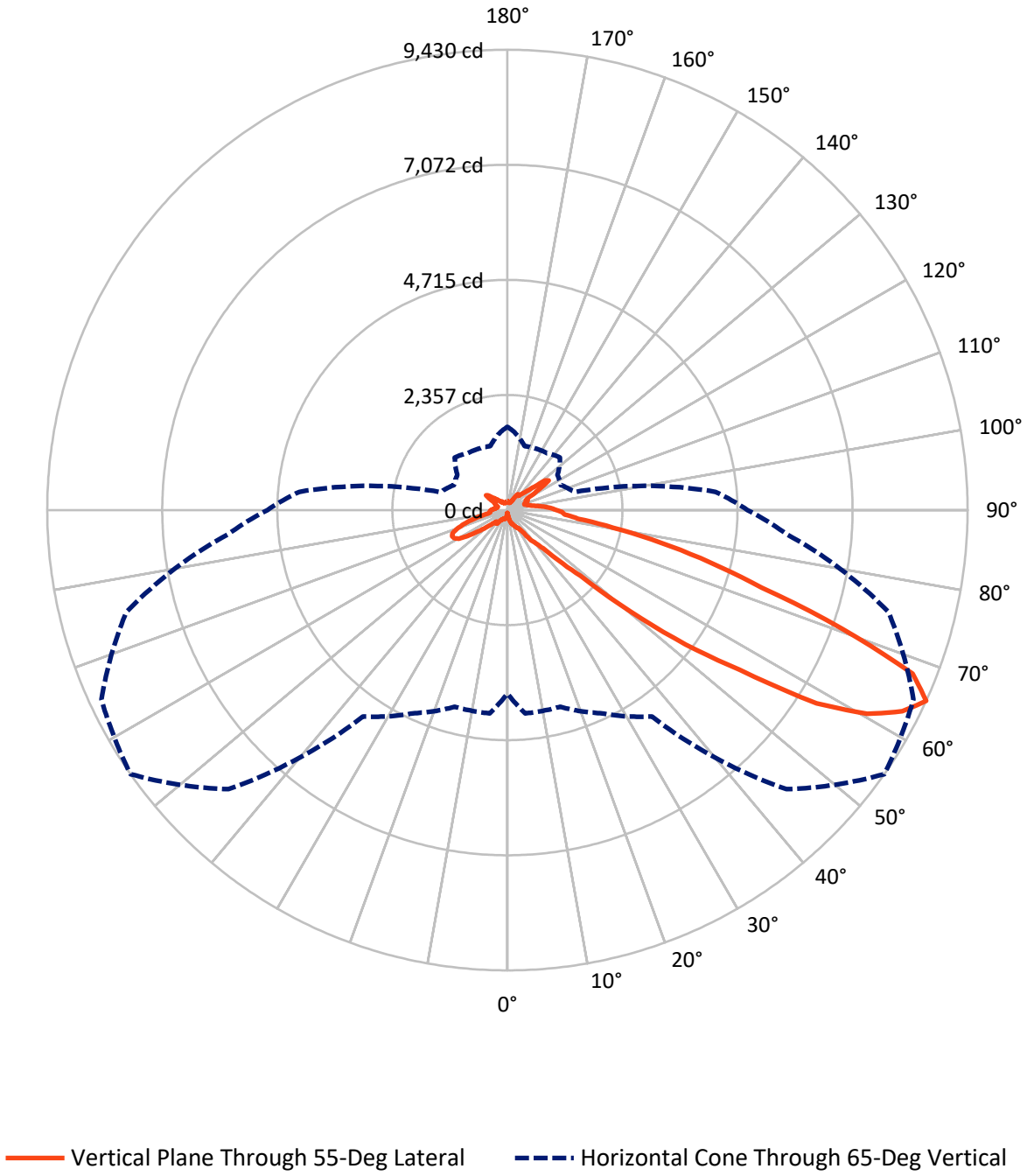
Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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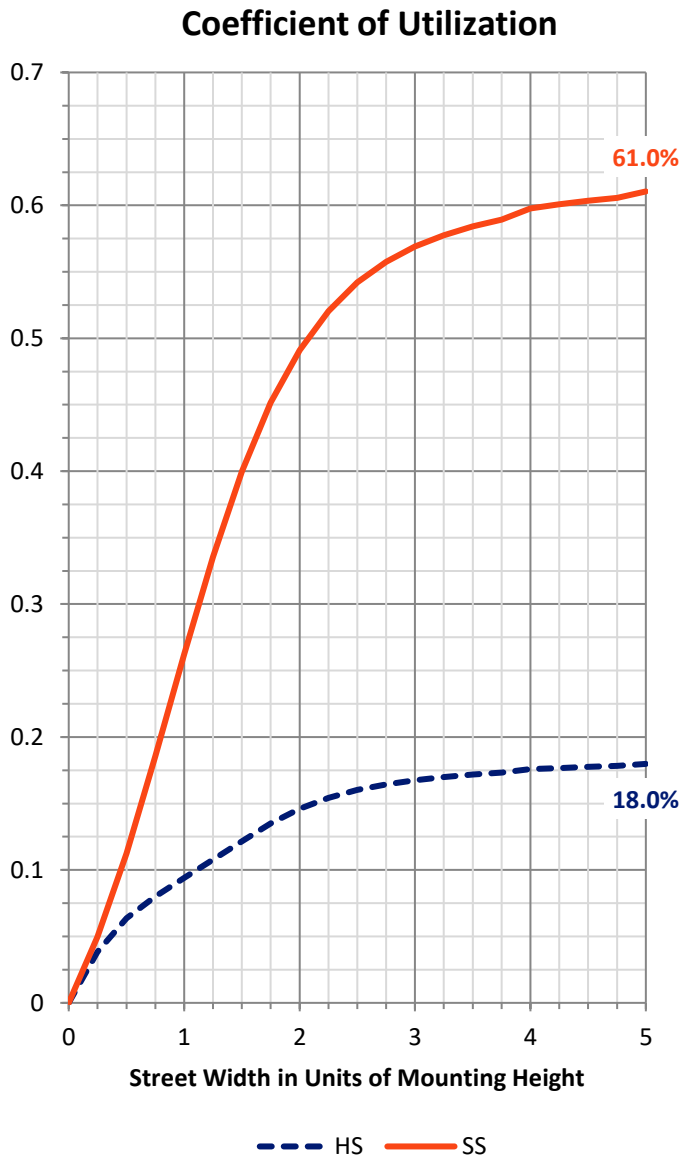
REPORT NUMBER: P981426
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2319.7	831.1	3150.8
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	7799.3	1425.7	9225.0
	% Fixture	63.0	11.5	74.5
Total	Lumens	10119.0	2256.7	12375.8
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.1
10°-20°	62.9	0.5
20°-30°	129.2	1.0
30°-40°	270.6	2.2
40°-50°	714.5	5.8
50°-60°	2377.5	19.2
60°-70°	3835.1	31.0
70°-80°	2011.8	16.3
80°-90°	705.9	5.7
90°-100°	455.8	3.7
100°-110°	295.5	2.4
110°-120°	324.2	2.6
120°-130°	545.2	4.4
130°-140°	319.4	2.6
140°-150°	170.9	1.4
150°-160°	84.9	0.7
160°-170°	44.7	0.4
170°-180°	16.2	0.1
0°-90°	10119.0	81.8
0°-180°	12375.8	100.0



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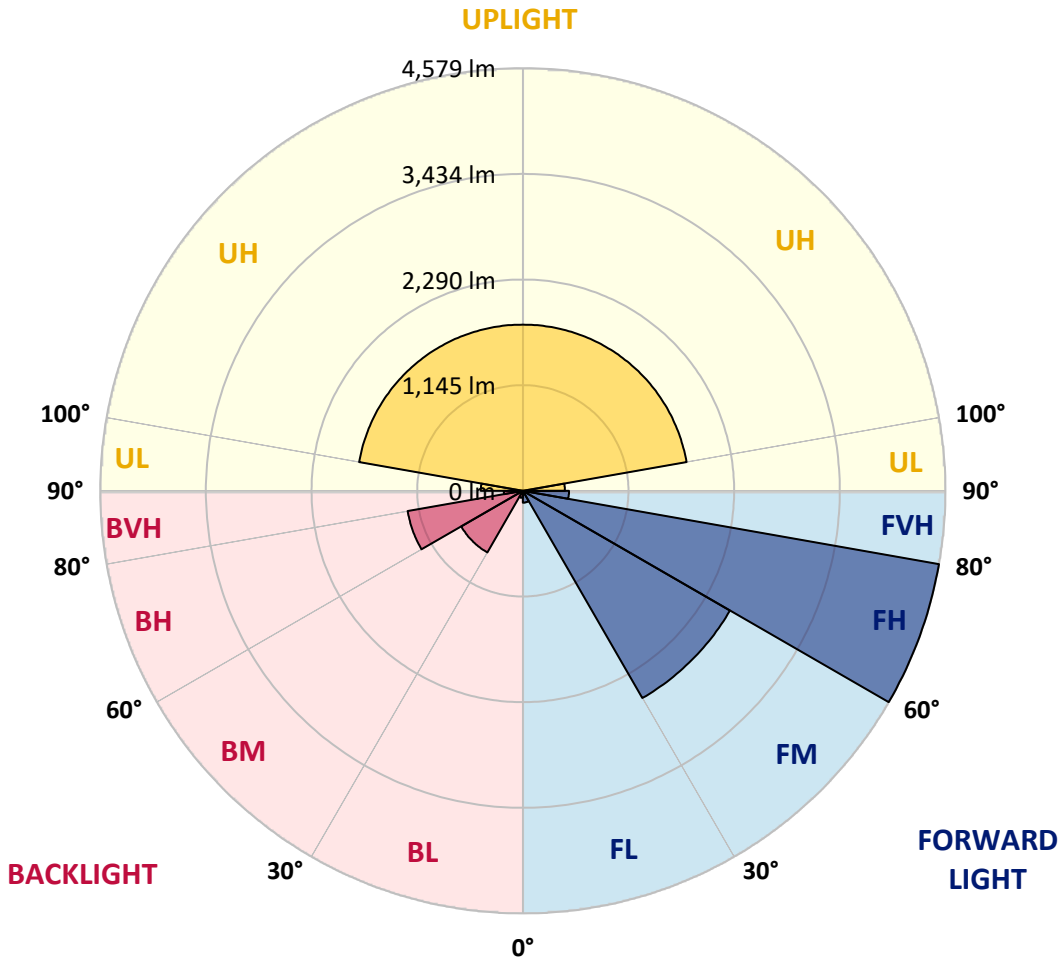
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	128.4	1.0			
FM	(30°-60°)	2591.8	20.9			
FH	(60°-80°)	4579.3	37.0			G2/5000
FVH	(80°-90°)	499.8	4.0			G3/500
BL	(0°-30°)	75.2	0.6	B0/110		
BM	(30°-60°)	770.8	6.2	B1/1000		
BH	(60°-80°)	1267.6	10.2	B3/2500		G3/2500
BVH	(80°-90°)	206.1	1.7			G2/225
UL	(90°-100°)	455.8	3.7		U3/500	
UH	(100°-180°)	1801.0	14.6		U5	

BUG Rating: B3-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2.5°	70.1	71.7	75.8	77.4	78.2	76.6	73.3	76.6	76.6	76.6	75.8
5°	101.9	101.9	101.9	104.3	105.1	106.8	105.1	101.1	97.8	94.5	93.7
7.5°	142.6	144.2	145.1	145.1	145.1	148.3	151.6	144.2	137.7	131.2	129.6
10°	204.5	200.5	196.4	198.0	194.8	188.3	191.5	185.8	171.1	166.2	166.2
12.5°	261.6	260.8	262.4	253.4	248.6	234.7	236.3	233.1	222.5	205.4	199.7
15°	293.4	295.8	295.0	298.3	290.9	271.4	266.5	268.1	258.3	242.0	233.9
17.5°	309.7	309.7	310.5	314.6	314.6	295.8	287.7	283.6	275.4	261.6	251.0
20°	317.8	317.8	317.0	322.7	334.1	323.5	312.1	305.6	298.3	276.3	260.0
22.5°	340.6	339.0	336.6	338.2	355.3	352.1	343.1	333.3	322.7	289.3	268.9
25°	364.3	365.1	357.8	360.2	377.3	382.2	374.9	365.1	352.9	302.3	282.0
27.5°	391.2	390.4	380.6	383.8	392.8	410.7	401.8	396.9	376.5	312.9	293.4
30°	415.6	411.5	401.8	409.9	409.9	438.4	430.3	432.7	407.5	332.5	311.3
32.5°	433.5	432.7	427.0	437.6	431.9	468.6	466.1	486.5	449.0	370.8	351.2
35°	474.3	475.1	498.7	519.1	509.3	563.1	574.5	600.6	555.0	466.1	445.0
37.5°	767.7	757.9	725.3	687.8	692.7	792.9	779.1	792.9	722.9	594.9	561.5
40°	808.4	810.9	773.4	744.9	740.8	868.7	889.9	1002.4	855.7	713.1	647.1
42.5°	787.2	795.4	898.1	934.7	902.1	1065.1	1071.6	1288.4	998.3	879.3	792.1
45°	998.3	999.9	1021.1	1044.8	1048.8	1454.7	1477.5	1717.1	1269.7	1107.5	960.0
47.5°	1136.0	1149.1	1178.4	1339.8	1425.3	1859.7	2012.1	2392.7	1691.0	1510.1	1219.1
50°	1606.2	1642.1	1787.2	1925.7	2059.3	2757.8	3270.3	3724.3	2540.2	2213.4	1771.7
52.5°	1957.5	2086.2	2248.4	2582.5	2723.5	3769.1	4574.2	4855.4	3558.0	2999.8	2413.8
55°	2262.3	2498.6	2673.8	3220.6	3488.8	4914.1	5773.0	5813.8	4774.7	3661.5	3095.1
57.5°	2889.8	3234.5	3348.6	3816.4	4189.6	6277.5	7470.5	7270.1	6016.7	4415.3	3822.1
60°	3480.6	3877.5	3835.1	4266.2	4760.1	7450.2	8475.4	8373.5	7180.4	5129.2	4457.7
62.5°	3672.9	4075.5	4039.6	4492.8	5156.9	7997.0	9078.4	8909.7	7867.4	5575.8	4777.2
65°	3756.9	4181.4	4171.7	4595.4	5161.8	8084.2	9429.6	9178.6	8083.4	5755.9	4917.3
67.5°	3685.2	4089.4	4085.3	4475.6	4785.3	7451.8	8954.5	8584.6	7551.2	5332.1	4615.0
70°	3179.9	3461.0	3443.9	3683.5	3845.7	5923.0	7266.8	6987.3	6094.1	4381.9	3822.9
72.5°	2593.1	2676.3	2712.1	2849.0	2892.2	4334.7	5449.5	5227.0	4544.1	3281.8	2898.7
75°	2070.8	2074.8	2112.3	2160.4	2145.7	3188.9	4292.3	4154.6	3351.0	2448.1	2198.7
77.5°	1370.7	1360.1	1524.7	1544.3	1450.6	2031.6	3205.2	3108.2	2398.4	1783.9	1607.9
80°	786.4	789.7	902.1	973.0	935.5	1290.9	2196.3	2175.1	1647.0	1248.5	1104.2
82.5°	586.8	614.5	674.8	712.3	697.6	970.6	1461.2	1501.1	1170.3	898.1	820.6
85°	653.6	669.1	675.6	678.0	660.1	907.8	1180.0	1177.6	983.6	753.8	727.7
87.5°	636.5	649.5	655.2	658.5	640.5	867.9	1114.8	1098.5	943.7	724.5	686.2
90°	535.4	565.6	564.8	593.3	572.9	762.8	977.9	967.3	856.5	667.4	622.6
92.5°	449.0	466.1	477.6	516.7	498.7	671.5	879.3	854.9	766.9	607.1	559.0
95°	419.7	435.2	444.1	466.1	444.1	580.2	740.8	718.8	636.5	506.1	459.6
97.5°	353.7	358.6	366.7	381.4	366.7	470.2	599.8	578.6	511.0	413.2	380.6
100°	299.9	304.8	315.4	326.0	318.6	402.6	502.0	490.6	439.3	359.4	337.4
102.5°	283.6	286.9	300.7	307.2	298.3	370.0	443.3	443.3	397.7	331.7	313.8
105°	270.6	274.6	285.2	287.7	281.2	340.6	409.1	405.0	369.2	310.5	293.4
107.5°	257.5	262.4	271.4	267.3	264.0	313.8	367.5	374.1	343.1	295.0	283.6
110°	271.4	273.0	280.3	273.8	279.5	312.1	369.2	370.8	361.8	321.9	309.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	369.2	360.2	375.7	351.2	370.0	392.8	*428.7*	441.7	431.1	385.5	374.9
115°	404.2	410.7	427.0	402.6	414.8	442.5	*459.6*	462.1	449.8	420.5	416.4
117.5°	315.4	348.0	330.9	345.5	350.4	388.7	*427.8*	439.3	427.8	387.1	412.4
120°	403.4	429.5	370.8	352.9	377.3	444.1	*480.0*	489.8	458.8	459.6	475.1
122.5°	669.1	683.7	720.4	739.1	710.6	751.4	*763.6*	772.6	725.3	669.9	642.2
125°	1015.4	1004.8	999.9	995.0	987.7	1030.9	*1039.0*	1016.2	969.0	891.5	848.4
127.5°	918.4	927.4	941.3	939.6	933.1	966.5	*986.9*	973.0	960.0	885.8	860.6
130°	660.9	665.0	689.4	733.4	728.6	755.4	*757.9*	771.7	793.7	761.2	735.1
132.5°	547.6	551.7	588.4	607.9	609.6	610.4	*599.0*	630.8	653.6	621.0	599.0
135°	477.6	477.6	485.7	478.4	480.8	502.0	*511.8*	540.3	546.0	530.5	508.5
137.5°	422.1	423.8	406.7	392.8	395.2	433.5	*455.6*	477.6	466.1	434.4	418.9
140°	367.5	358.6	334.9	330.9	348.8	385.5	*398.5*	414.0	417.2	376.5	356.1
142.5°	270.6	267.3	277.9	299.9	309.7	370.8	*361.0*	390.4	392.0	323.5	290.1
145°	302.3	301.5	300.7	304.8	327.6	416.4	*392.8*	430.3	448.2	343.9	281.2
147.5°	341.5	340.6	333.3	324.3	358.6	380.6	*359.4*	392.0	411.5	341.5	272.2
150°	264.0	265.7	261.6	259.2	296.6	292.6	*287.7*	296.6	304.8	282.8	247.7
152.5°	205.4	202.1	199.7	200.5	231.4	226.6	*226.6*	233.1	233.9	225.7	207.8
155°	185.0	184.2	182.5	185.8	204.5	199.7	*195.6*	194.0	189.9	187.4	185.0
157.5°	173.6	172.0	172.0	176.8	189.9	181.7	*180.1*	178.5	176.0	176.0	176.8
160°	162.2	161.4	161.4	168.7	172.8	165.4	*163.8*	163.0	162.2	163.8	165.4
162.5°	155.7	155.7	155.7	160.5	160.5	155.7	*154.0*	153.2	154.0	159.7	160.5
165°	153.2	152.4	153.2	155.7	154.8	151.6	*150.8*	150.8	153.2	158.1	158.9
167.5°	157.3	157.3	157.3	158.1	157.3	154.0	*153.2*	153.2	155.7	159.7	159.7
170°	163.8	163.0	163.0	163.0	162.2	158.9	*157.3*	158.1	158.9	161.4	161.4
172.5°	169.5	169.5	168.7	167.9	166.2	164.6	*163.0*	163.0	163.0	163.8	163.8
175°	176.0	176.0	176.0	175.2	175.2	172.8	*172.0*	171.1	170.3	169.5	168.7
177.5°	183.4	182.5	182.5	182.5	182.5	180.1	*178.5*	177.7	176.0	175.2	175.2
180°	180.1	180.1	180.1	180.1	180.1	180.1	*180.1*	180.1	180.1	180.1	180.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2.5°	75.8	73.3	69.3	61.9	59.5	57.0	54.6	49.7	47.3	45.6
5°	92.9	89.6	88.8	84.8	79.0	74.2	73.3	71.7	70.9	68.5
7.5°	132.8	134.5	138.5	131.2	114.9	105.9	108.4	117.4	114.1	113.3
10°	167.1	177.7	185.8	167.1	137.7	119.0	119.8	137.7	139.4	142.6
12.5°	195.6	204.5	202.9	179.3	151.6	133.6	127.9	137.7	146.7	147.5
15°	226.6	211.1	205.4	185.8	166.2	152.4	149.9	152.4	152.4	150.8
17.5°	239.6	212.7	196.4	180.1	166.2	156.5	153.2	149.1	143.4	143.4
20°	242.9	219.2	200.5	183.4	169.5	158.9	149.9	145.1	143.4	143.4
22.5°	252.6	231.4	211.9	191.5	176.8	163.0	152.4	147.5	147.5	148.3
25°	266.5	246.9	222.5	201.3	185.8	171.1	157.3	149.9	149.1	149.9
27.5°	283.6	263.2	236.3	213.5	195.6	179.3	162.2	153.2	149.9	149.9
30°	303.2	279.5	249.4	224.1	204.5	189.9	168.7	156.5	152.4	150.8
32.5°	338.2	311.3	265.7	238.0	216.0	199.7	178.5	163.0	154.8	153.2
35°	424.6	383.0	323.5	273.0	239.6	211.1	185.8	167.1	156.5	154.8
37.5°	518.3	455.6	399.3	343.1	294.2	247.7	199.7	173.6	160.5	158.1
40°	577.0	494.7	445.0	361.0	354.5	316.2	245.3	191.5	168.7	165.4
42.5°	697.6	574.5	495.5	318.6	346.3	354.5	309.7	240.4	190.7	185.0
45°	840.2	675.6	555.8	340.6	356.9	347.2	317.0	278.7	238.0	226.6
47.5°	1088.8	770.9	577.0	395.2	408.3	381.4	336.6	296.6	266.5	262.4
50°	1571.2	1051.3	649.5	485.7	524.8	449.8	392.0	361.0	320.3	315.4
52.5°	2192.2	1265.6	729.4	628.3	717.1	624.2	530.5	467.8	458.8	462.1
55°	2865.3	1331.6	834.5	776.6	932.3	845.1	737.5	677.2	736.7	755.4
57.5°	3532.8	1431.0	986.9	969.0	1167.0	1034.2	949.4	975.5	1223.2	1282.7
60°	4058.4	1515.8	1115.7	1154.0	1399.2	1255.0	1219.1	1257.4	1682.8	1840.9
62.5°	4264.6	1477.5	1182.5	1232.2	1508.5	1409.8	1397.6	1434.3	1792.9	1948.5
65°	*4280.1*	*1418.8*	*1208.6*	*1253.4*	*1525.6*	*1420.4*	*1387.0*	*1356.1*	*1605.4*	*1704.0*
67.5°	3960.6	1301.5	1176.8	1223.2	1449.8	1310.4	1241.2	1171.1	1299.0	1353.6
70°	3192.9	1154.0	1077.3	1104.2	1219.1	1090.4	995.9	947.8	993.4	989.3
72.5°	2418.7	1016.2	968.1	941.3	995.9	891.5	787.2	740.8	781.5	770.9
75°	1847.5	907.0	862.2	772.6	825.5	684.5	569.6	537.9	557.4	550.1
77.5°	1333.2	726.9	667.4	568.8	637.3	497.9	382.2	359.4	364.3	348.8
80°	960.0	541.9	484.1	414.0	468.6	356.1	283.6	278.7	281.2	264.9
82.5°	753.8	434.4	396.1	358.6	375.7	321.9	273.0	268.1	270.6	252.6
85°	702.5	425.4	385.5	361.0	366.7	317.0	264.9	263.2	267.3	247.7
87.5°	662.5	421.3	389.5	354.5	340.6	290.9	245.3	252.6	264.0	243.7
90°	584.3	392.8	365.1	333.3	318.6	273.0	245.3	255.9	255.1	240.4
92.5°	515.0	350.4	328.4	310.5	307.2	277.9	256.7	266.5	269.7	255.1
95°	422.1	295.8	285.2	279.5	284.4	255.9	238.0	242.9	239.6	231.4
97.5°	359.4	269.7	262.4	254.3	249.4	229.0	213.5	220.0	223.3	216.0
100°	325.2	256.7	251.0	242.0	241.2	227.4	219.2	232.3	242.0	238.0
102.5°	304.0	243.7	236.3	228.2	225.7	214.3	207.8	216.0	224.9	216.8
105°	288.5	231.4	220.0	212.7	208.6	200.5	192.3	195.6	205.4	201.3
107.5°	273.8	230.6	212.7	207.0	207.0	196.4	185.0	185.8	190.7	189.9
110°	296.6	255.9	223.3	215.1	212.7	209.4	201.3	193.1	186.6	186.6

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

Scaled Data Report

REPORT NUMBER: P981426
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	355.3	313.8	280.3	254.3	243.7	231.4	214.3	202.1	193.1	190.7
115°	381.4	336.6	304.8	276.3	251.8	228.2	213.5	204.5	199.7	204.5
117.5°	359.4	297.5	293.4	264.0	241.2	222.5	218.4	203.7	211.9	211.9
120°	404.2	345.5	336.6	294.2	262.4	238.8	236.3	233.9	224.9	220.8
122.5°	590.8	514.2	477.6	414.8	360.2	311.3	283.6	245.3	218.4	212.7
125°	802.7	701.7	613.6	530.5	448.2	361.0	287.7	230.6	202.9	198.8
127.5°	805.2	702.5	605.5	504.4	414.8	323.5	258.3	218.4	198.8	198.0
130°	708.2	618.5	511.8	411.5	339.0	278.7	231.4	198.8	185.0	180.9
132.5°	563.9	484.1	415.6	353.7	298.3	246.9	204.5	181.7	173.6	172.8
135°	474.3	405.0	356.9	311.3	268.1	222.5	183.4	172.0	167.9	166.2
137.5°	387.1	345.5	316.2	279.5	238.0	200.5	174.4	169.5	167.9	164.6
140°	335.8	308.0	276.3	235.5	203.7	172.8	158.9	163.0	167.1	166.2
142.5°	273.8	253.4	229.8	202.9	180.9	167.1	161.4	163.8	163.8	164.6
145°	260.0	233.1	220.0	203.7	189.1	178.5	164.6	159.7	158.9	158.9
147.5°	241.2	230.6	222.5	211.1	189.1	169.5	154.0	151.6	154.8	154.0
150°	225.7	218.4	208.6	190.7	168.7	155.7	147.5	148.3	154.0	154.8
152.5°	191.5	187.4	180.9	169.5	154.0	147.5	143.4	146.7	150.8	151.6
155°	170.3	167.9	166.2	158.9	149.1	145.1	143.4	145.9	149.9	150.8
157.5°	168.7	163.0	160.5	155.7	148.3	144.2	144.2	146.7	149.1	149.9
160°	163.8	156.5	155.7	150.8	149.1	146.7	148.3	149.1	151.6	150.8
162.5°	159.7	154.8	154.0	150.8	152.4	154.8	154.8	155.7	157.3	156.5
165°	158.1	154.0	153.2	153.2	158.1	162.2	163.0	162.2	162.2	162.2
167.5°	159.7	157.3	156.5	158.1	162.2	167.1	167.9	166.2	164.6	163.8
170°	162.2	161.4	162.2	163.0	165.4	168.7	168.7	167.1	167.1	167.1
172.5°	164.6	166.2	167.1	167.1	169.5	171.1	172.0	171.1	171.1	171.1
175°	169.5	170.3	170.3	171.1	173.6	175.2	176.8	176.8	176.8	176.8
177.5°	175.2	175.2	175.2	176.0	176.8	179.3	180.1	181.7	182.5	182.5
180°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

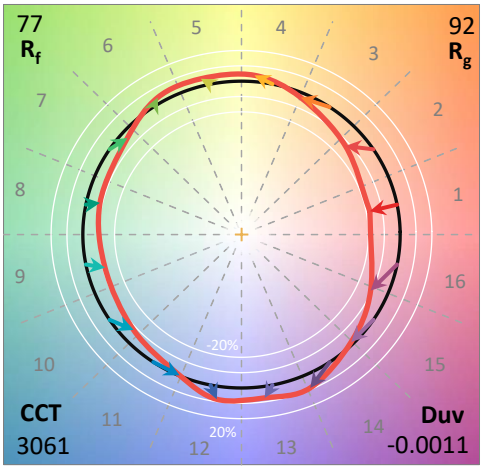
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

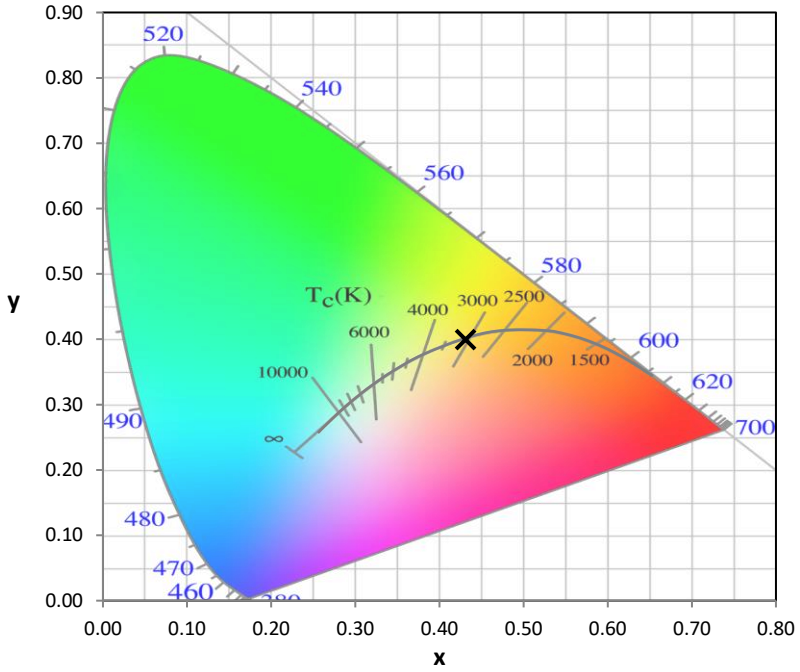
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

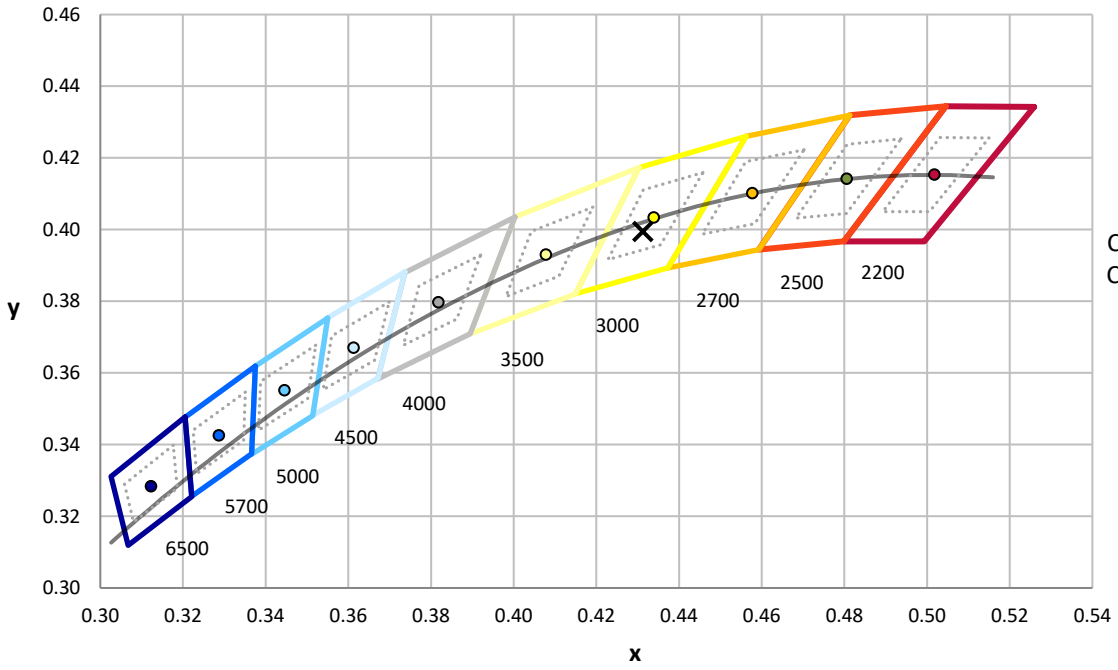
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

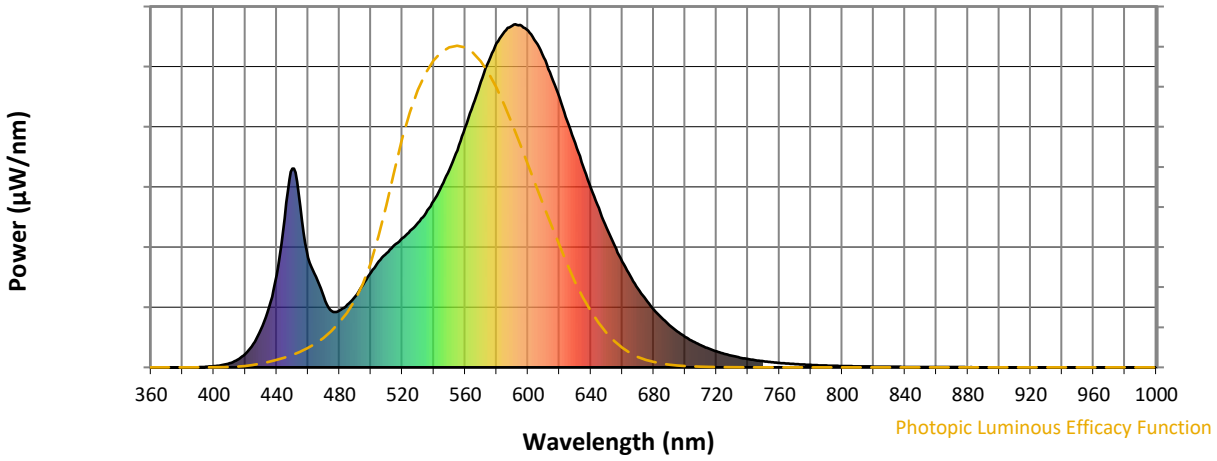


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

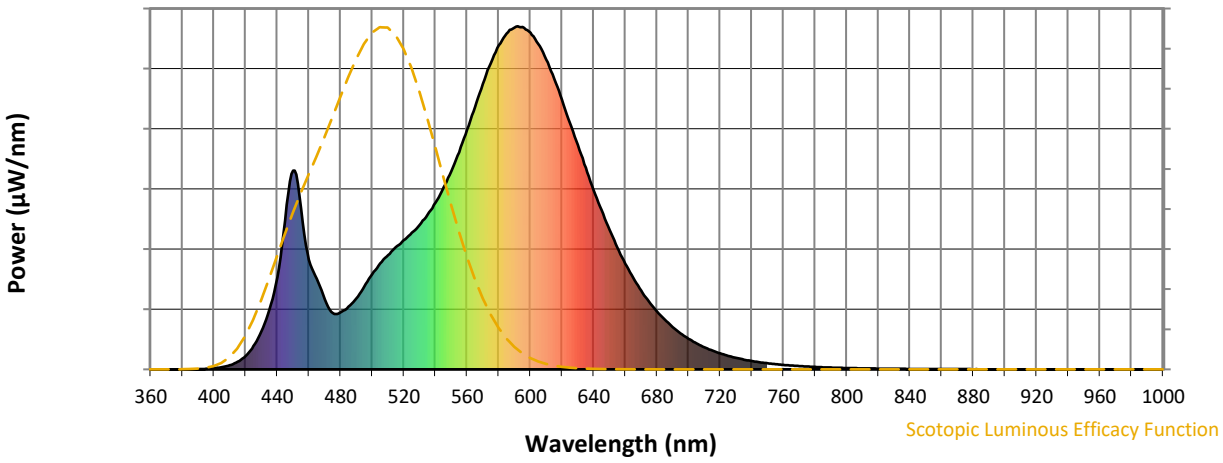


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

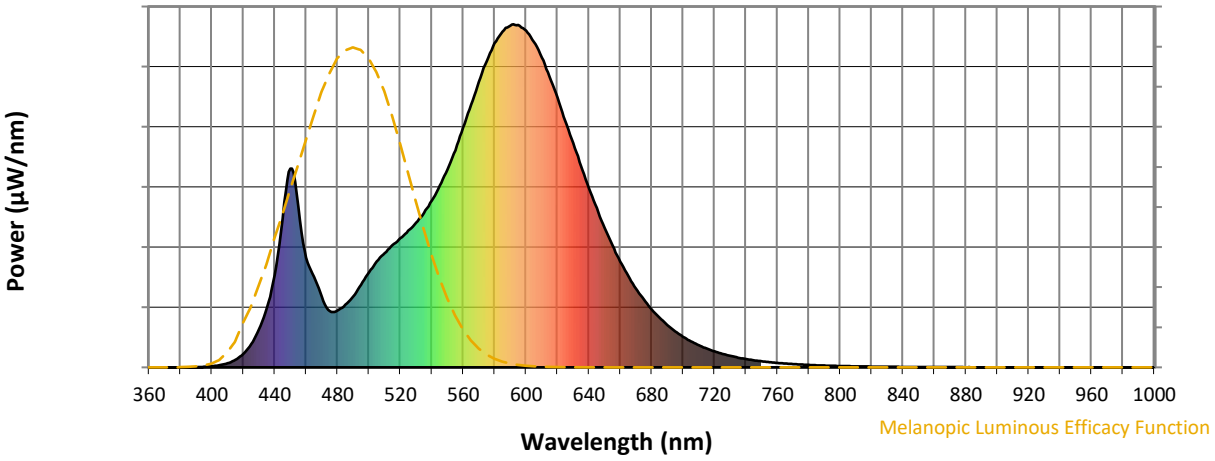


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

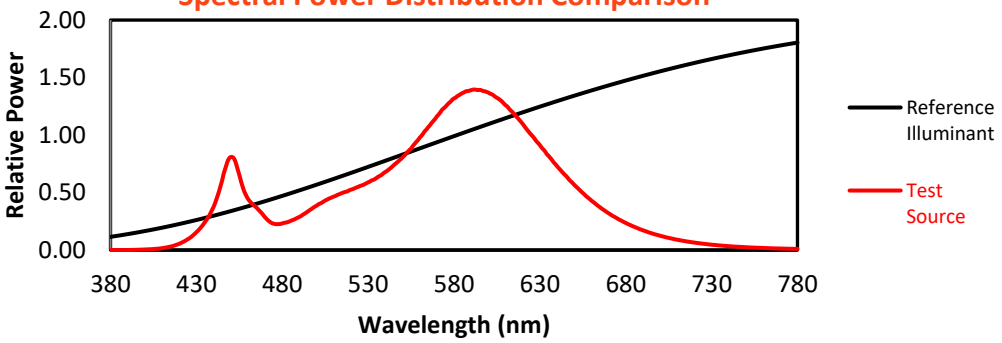
REPORT NUMBER: SP1-2501-332-4

TM-30-18

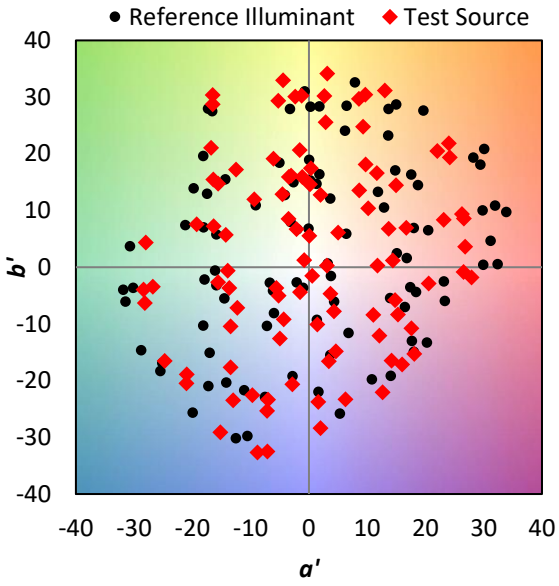
Summary

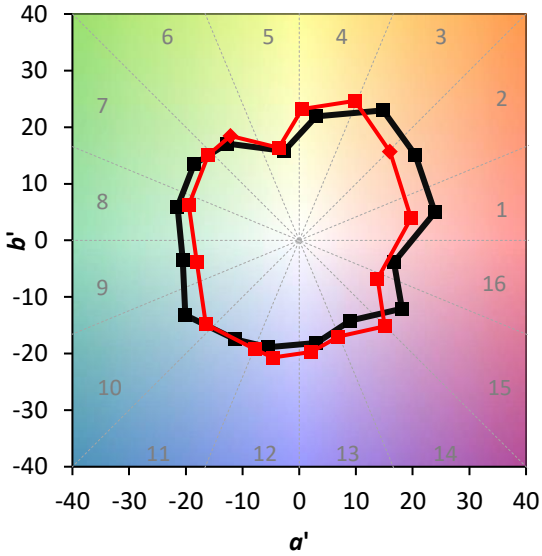
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

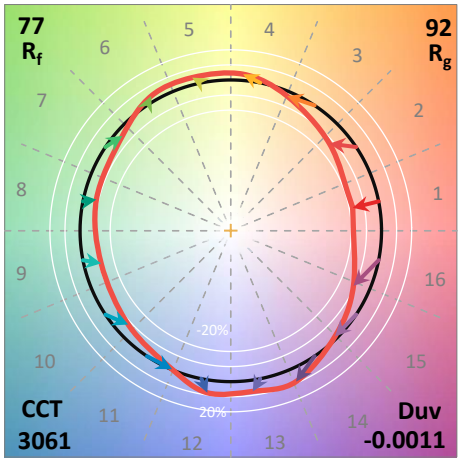
Spectral Power Distribution Comparison

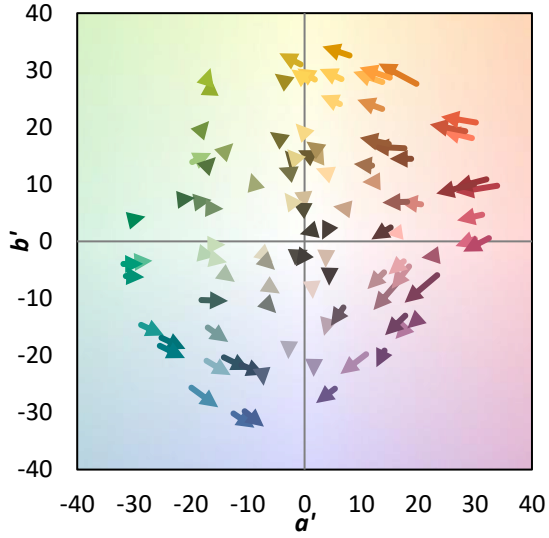


Color Vector Graphics







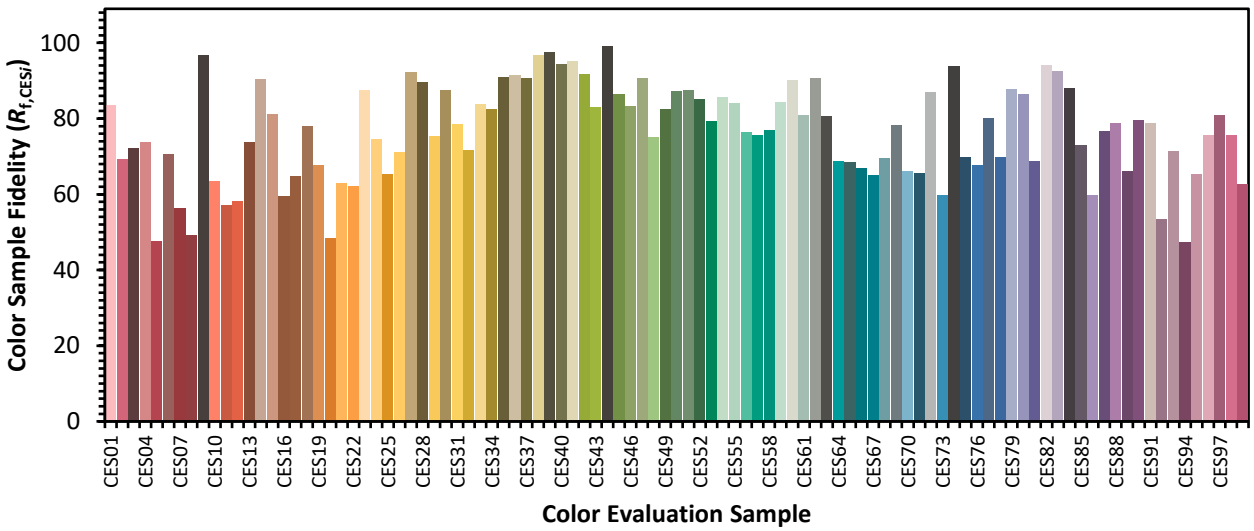


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

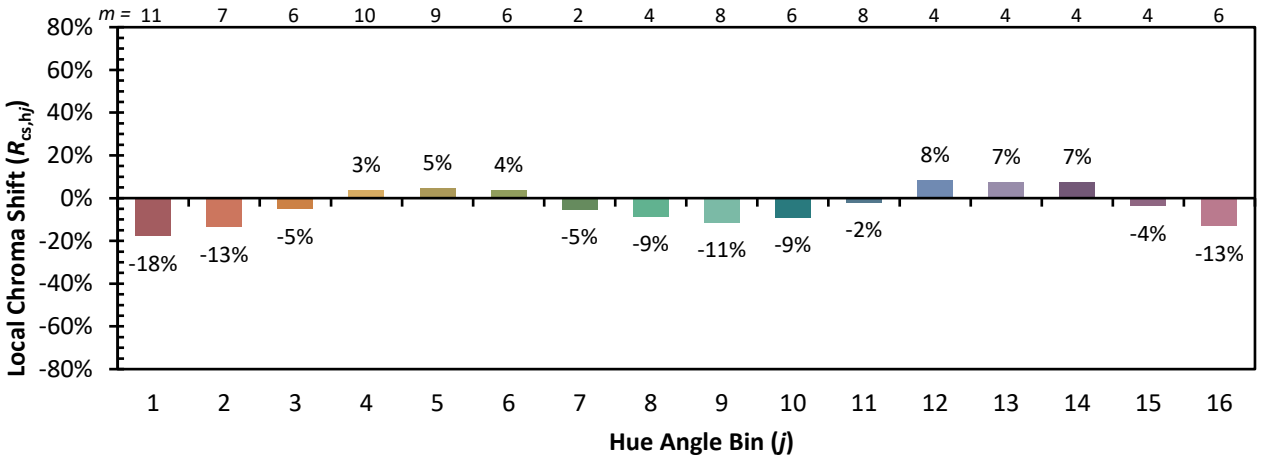
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

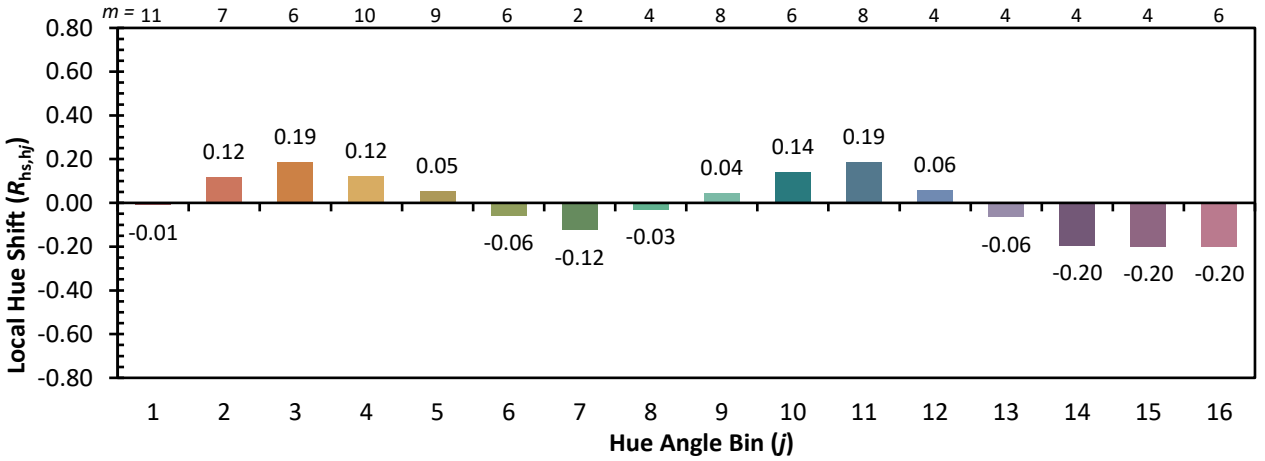


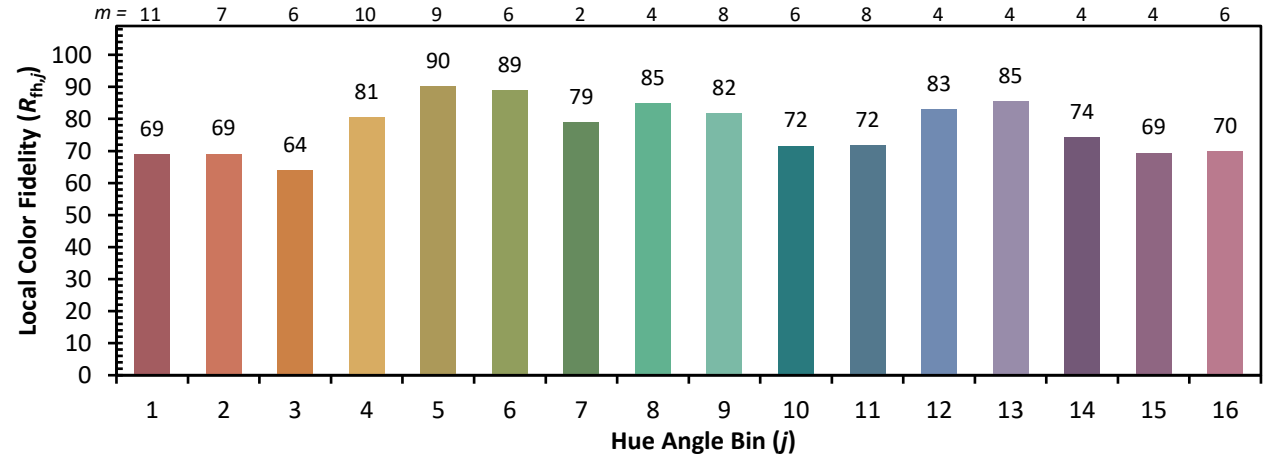
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Color Rendition by Hue-Angle Bin



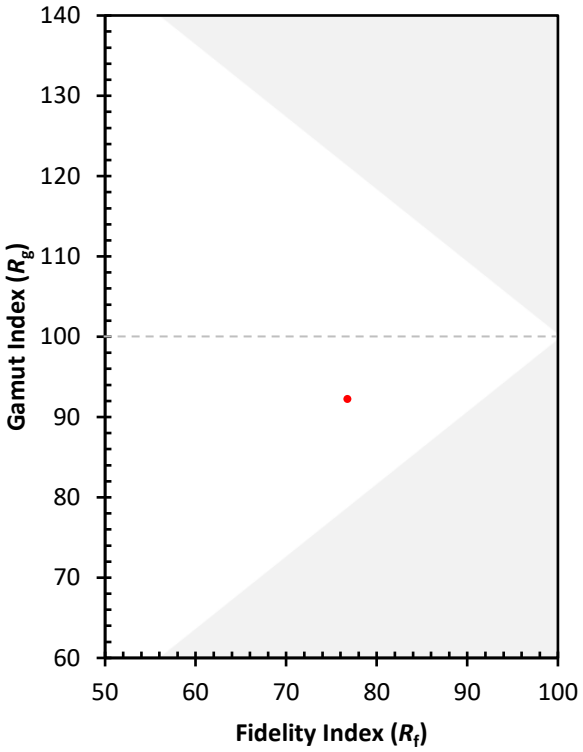


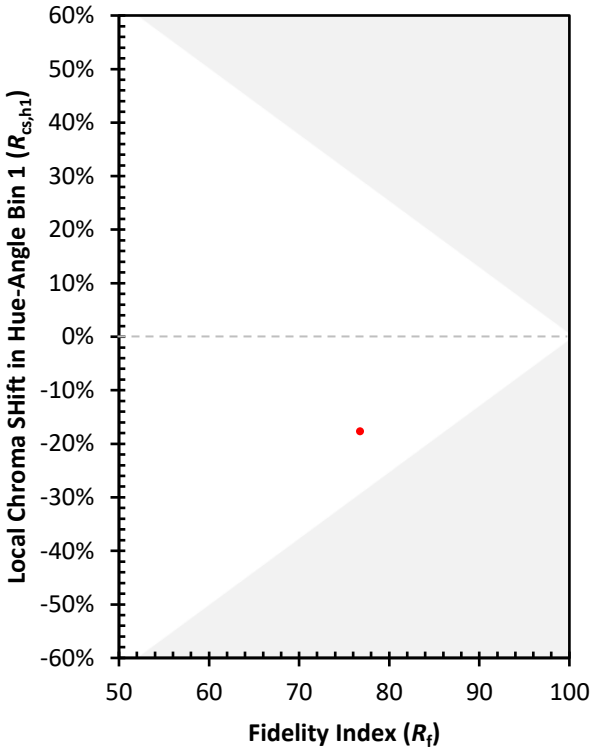


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Measure Comparisons





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