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: P1223947

Luminaire Tested: **FFX-CLB-40-730-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223947
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5550.2 lumens
Efficiency:	N/A
Efficacy:	140.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - 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

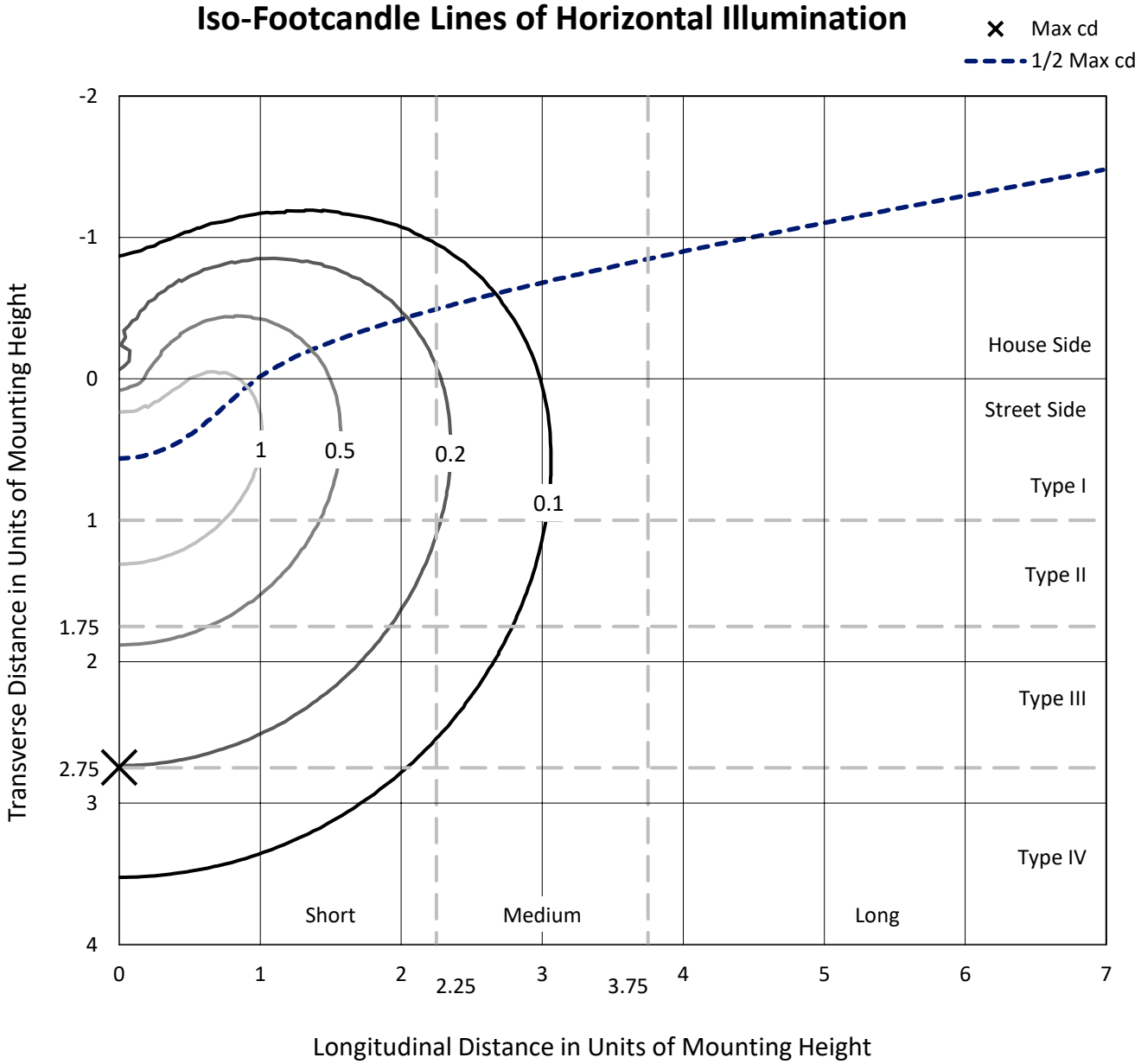


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Iso-Footcandle Lines of Horizontal Illumination



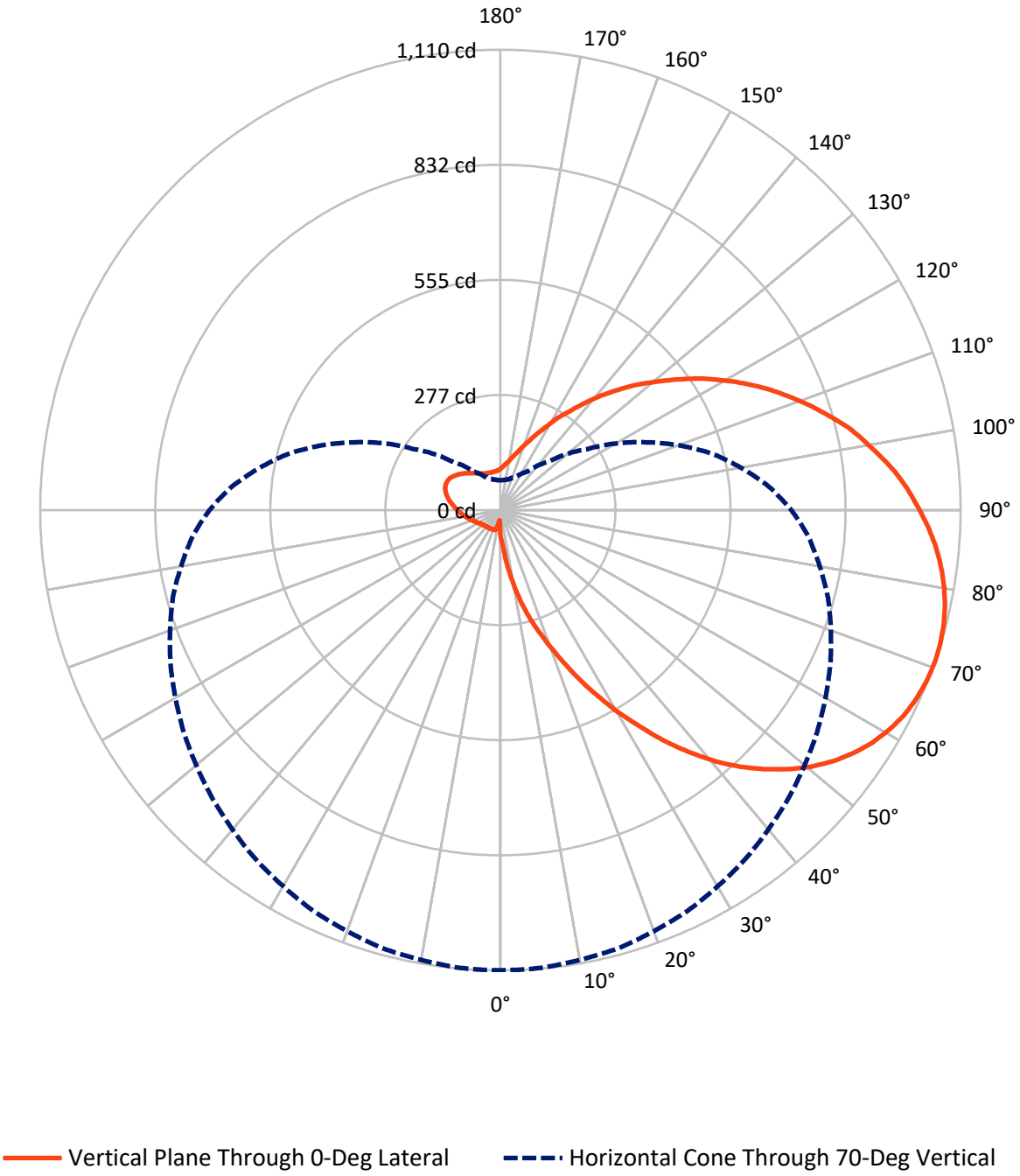
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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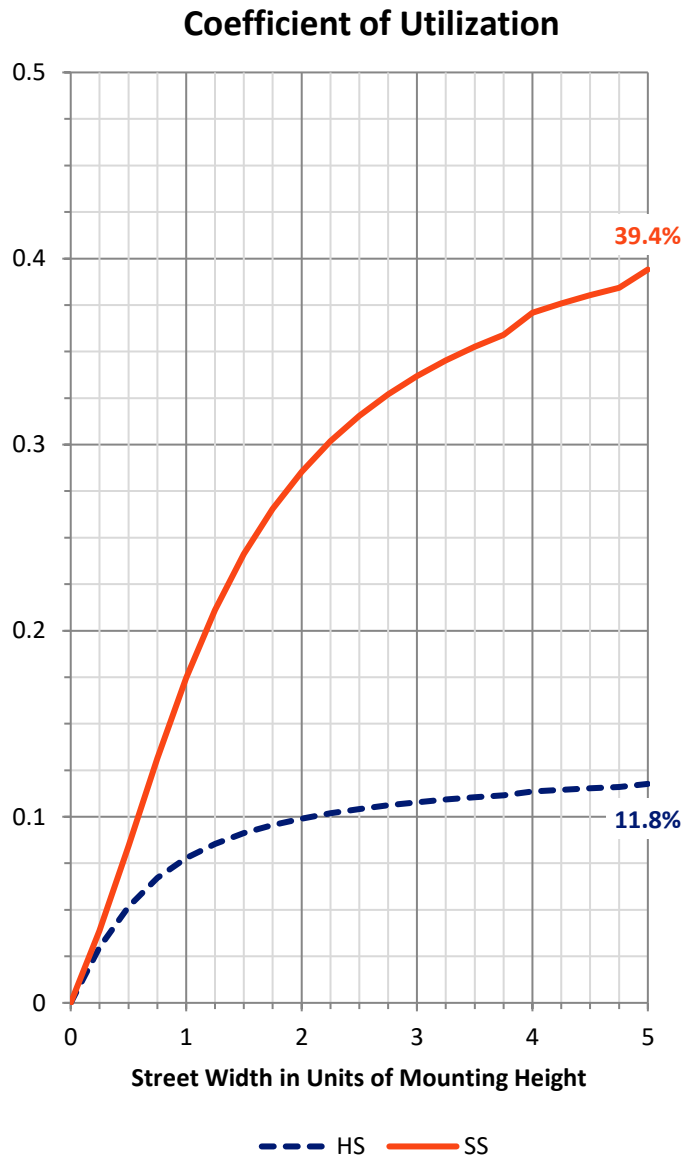
REPORT NUMBER: P1223947
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.7	686.6	1398.3
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	2499.9	1652.0	4151.8
	% Fixture	45.0	29.8	74.8
Total	Lumens	3211.5	2338.6	5550.2
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	48.5	0.9
20°-30°	127.7	2.3
30°-40°	248.0	4.5
40°-50°	386.4	7.0
50°-60°	509.8	9.2
60°-70°	598.6	10.8
70°-80°	644.0	11.6
80°-90°	640.3	11.5
90°-100°	595.3	10.7
100°-110°	522.7	9.4
110°-120°	429.9	7.7
120°-130°	323.6	5.8
130°-140°	219.3	4.0
140°-150°	132.8	2.4
150°-160°	71.5	1.3
160°-170°	33.7	0.6
170°-180°	9.8	0.2
0°-90°	3211.5	57.9
0°-180°	5550.2	100.0



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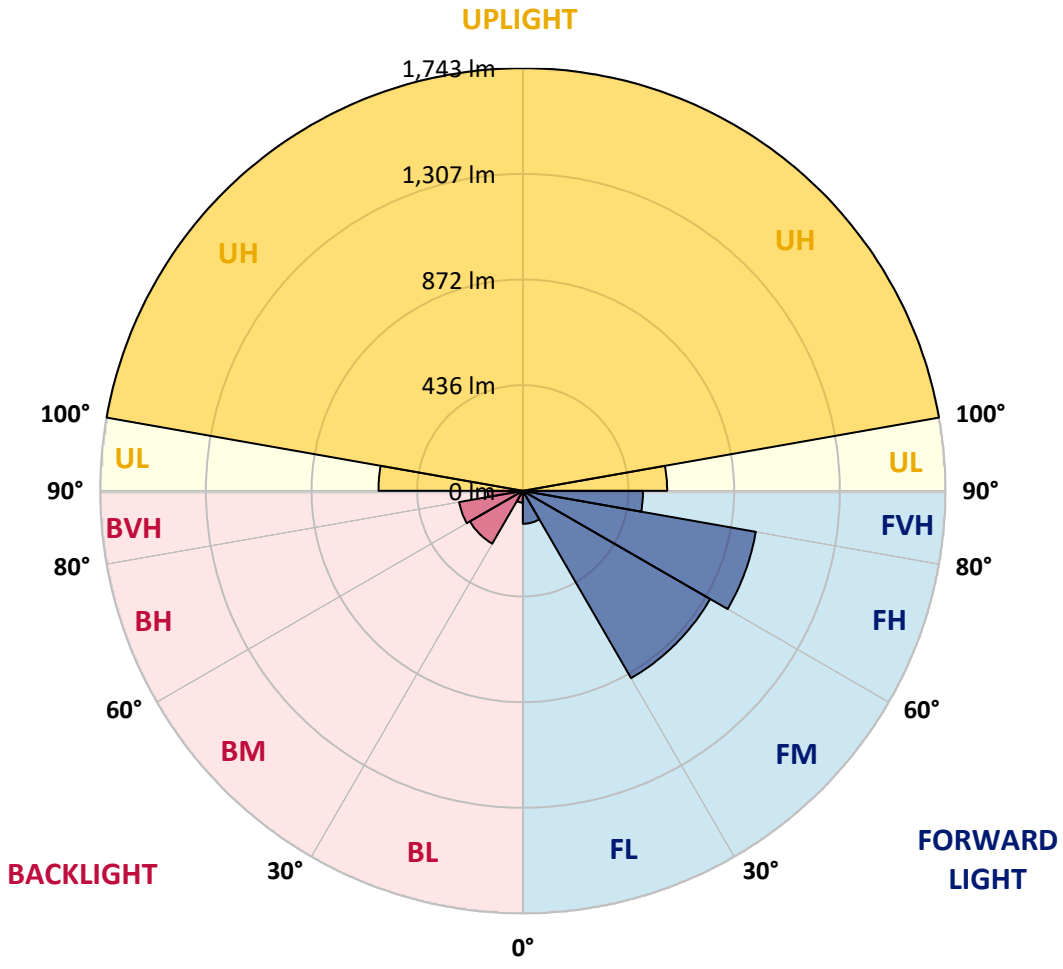
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	136.0	2.4			
FM	(30°-60°)	892.3	16.1			
FH	(60°-80°)	975.9	17.6			G1/1800
FVH	(80°-90°)	495.7	8.9			G3/500
BL	(0°-30°)	48.6	0.9	B0/110		
BM	(30°-60°)	251.9	4.5	B1/1000		
BH	(60°-80°)	266.7	4.8	B1/500		G1/500
BVH	(80°-90°)	144.6	2.6			G2/225
UL	(90°-100°)	595.3	10.7		U4/1000	
UH	(100°-180°)	1743.3	31.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	77.3	77.7	77.3	77.3	78.1	77.3	76.5	73.7	70.4	66.3	64.3
5°	108.3	108.3	110.3	110.3	108.3	103.8	98.5	91.2	84.6	77.7	72.8
7.5°	147.7	148.5	146.9	142.8	140.4	131.5	126.2	116.8	108.7	99.3	94.8
10°	188.8	189.2	187.2	183.5	175.8	166.9	159.1	148.1	137.6	125.3	118.8
12.5°	232.8	232.0	228.3	220.2	215.7	205.5	195.3	184.0	169.7	154.6	146.9
15°	274.7	273.1	271.4	262.9	256.8	246.6	234.8	219.4	202.7	186.0	174.6
17.5°	315.0	311.3	308.9	304.8	295.5	286.5	271.4	253.1	235.2	213.3	201.5
20°	358.1	358.9	354.9	349.2	339.0	326.0	311.3	291.8	269.4	243.4	229.1
22.5°	406.6	406.6	404.1	396.8	386.2	369.5	352.4	332.1	304.4	277.1	259.6
25°	460.3	457.4	454.2	444.8	435.9	418.0	397.6	375.6	346.7	313.8	294.2
27.5°	513.6	512.4	509.1	498.9	487.6	468.8	448.5	420.0	388.7	350.0	329.6
30°	570.2	568.9	565.7	555.9	539.2	520.9	496.5	466.0	431.8	388.3	365.9
32.5°	624.7	624.7	620.6	610.5	593.0	571.0	544.9	510.7	472.9	428.1	401.3
35°	685.3	684.9	677.6	665.4	644.2	625.1	595.8	560.0	517.3	466.0	437.5
37.5°	741.1	739.1	731.7	718.7	699.2	674.4	641.4	601.9	558.0	503.4	471.3
40°	796.0	793.6	787.1	772.4	748.8	720.7	687.0	644.6	595.0	538.4	505.1
42.5°	845.7	844.9	835.5	818.0	794.4	762.7	726.4	681.7	632.0	571.0	535.6
45°	890.9	890.9	881.5	862.4	835.5	803.4	763.5	717.5	664.6	600.7	563.2
47.5°	933.6	933.6	924.6	902.7	873.0	837.5	796.8	749.2	693.1	627.5	587.7
50°	972.3	970.6	960.5	936.0	905.9	868.9	826.2	776.1	719.5	651.6	611.3
52.5°	1005.6	1003.6	991.8	969.0	935.2	895.7	851.0	800.1	741.1	672.3	631.2
55°	1033.7	1032.5	1021.1	995.0	959.6	920.2	872.5	819.6	761.4	689.8	648.3
57.5°	1058.1	1056.1	1042.7	1016.2	980.8	937.7	889.6	837.1	776.9	705.7	662.5
60°	1076.4	1074.4	1060.6	1034.1	998.3	952.7	904.7	851.4	790.3	718.3	674.4
62.5°	1091.5	1089.1	1075.6	1047.5	1010.1	965.3	916.1	862.0	800.9	728.5	684.5
65°	1100.9	1098.8	1085.8	1057.7	1019.1	973.9	924.6	870.1	809.5	736.2	692.3
67.5°	1107.0	1105.3	1091.9	1064.6	1026.0	980.0	929.9	875.4	815.2	741.9	698.0
70°	1109.8	1108.2	1094.3	1066.7	1028.4	982.4	932.4	877.8	818.0	746.0	701.6
71°	1109.8	1108.2	1094.8	1067.1	1028.8	982.8	932.8	878.2	818.4	746.4	702.0
72.5°	1108.6	1107.4	1093.9	1065.9	1027.6	982.0	931.6	877.8	818.4	746.8	702.8
75°	1104.1	1101.7	1088.6	1061.4	1023.5	978.0	927.9	874.2	816.0	745.6	702.0
77.5°	1096.0	1093.9	1080.5	1054.1	1016.2	970.2	920.6	868.1	811.1	741.5	698.8
80°	1084.2	1082.1	1069.1	1041.8	1004.4	960.0	910.4	858.7	802.5	735.0	693.1
82.5°	1069.1	1067.5	1054.9	1027.6	990.6	946.6	897.0	846.5	793.2	726.0	684.9
85°	1051.2	1049.2	1035.3	1008.5	973.1	929.1	880.7	831.8	779.8	715.0	675.2
87.5°	1029.6	1028.4	1014.6	988.9	953.5	910.0	863.6	816.0	764.7	702.8	664.2
90°	1006.0	1005.6	991.0	965.3	930.3	889.2	843.2	796.8	747.2	688.2	650.7
92.5°	982.4	982.4	967.8	941.3	906.7	866.0	822.5	777.7	730.5	673.5	637.7
95°	956.4	953.5	939.7	916.1	881.5	842.4	800.5	756.6	711.0	656.9	623.1
97.5°	925.9	925.0	911.6	886.4	854.6	817.2	776.5	735.8	691.9	639.8	607.6
100°	896.1	894.5	881.9	858.7	826.2	790.3	752.1	713.0	671.5	622.3	591.3
102.5°	866.8	862.8	849.8	826.2	797.7	762.7	726.8	691.0	650.3	603.5	574.6
105°	831.4	831.0	817.6	795.2	766.3	735.4	701.6	666.6	629.6	584.4	557.6
107.5°	796.8	796.8	784.2	762.3	735.0	705.3	675.2	642.2	608.0	564.5	540.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*761.4*	761.0	749.6	730.1	704.1	675.6	647.9	617.8	583.6	545.3	521.3
112.5°	*726.4*	725.6	714.6	694.7	670.7	647.5	619.8	592.1	560.8	525.4	502.6
115°	*691.0*	690.2	678.4	660.9	638.9	614.9	591.7	565.3	538.0	502.6	482.7
117.5°	*654.4*	653.6	643.8	626.7	606.0	586.9	563.7	540.9	513.2	481.0	461.1
120°	*617.0*	617.4	607.6	592.1	573.0	555.1	534.8	514.0	488.4	457.8	438.7
122.5°	*581.6*	578.7	572.2	558.4	541.3	524.6	507.5	486.3	462.3	433.4	416.7
125°	*543.7*	542.9	536.4	522.6	507.9	494.9	479.0	459.9	437.9	408.6	393.5
127.5°	*507.1*	508.3	501.0	490.8	476.6	465.6	449.3	432.6	411.4	385.0	370.8
130°	*472.9*	472.1	468.0	457.4	445.6	434.2	422.0	407.0	387.0	360.6	347.6
132.5°	*441.2*	437.5	433.8	424.9	415.1	405.7	395.2	380.1	359.8	336.6	325.2
135°	*406.6*	406.6	400.9	393.1	386.2	377.3	366.7	352.8	335.3	315.0	302.0
137.5°	*374.8*	373.2	369.5	363.4	356.9	350.4	341.4	327.6	312.1	292.6	281.2
140°	*344.7*	343.5	340.2	334.9	329.6	323.5	315.4	303.6	289.4	270.6	260.9
142.5°	*313.4*	314.2	311.3	307.7	301.6	297.5	290.2	279.6	267.0	250.7	241.3
145°	*285.3*	285.7	284.5	280.8	276.3	272.3	264.5	256.8	244.6	229.9	223.0
147.5°	*262.1*	260.5	258.0	256.0	251.9	248.7	242.6	235.2	223.8	211.2	204.7
150°	*236.0*	237.3	234.8	232.4	229.9	225.5	221.0	214.9	204.3	194.1	187.2
152.5°	*214.1*	214.9	212.8	211.6	209.2	205.5	201.0	195.3	187.2	178.3	171.7
155°	*194.5*	194.5	194.5	192.9	190.1	187.6	183.1	177.8	170.9	162.8	158.3
157.5°	*176.6*	177.0	177.0	175.0	173.0	170.9	167.3	162.8	156.7	149.8	146.5
160°	*162.4*	161.6	161.2	159.5	157.9	156.3	153.0	149.4	144.1	138.4	135.5
162.5°	*148.1*	148.1	147.3	146.1	144.9	142.4	140.4	136.7	133.1	129.0	125.8
165°	*137.1*	136.7	136.7	135.1	133.9	131.9	129.8	127.4	124.1	120.5	118.0
167.5°	*127.8*	127.0	126.6	125.8	124.1	122.9	120.9	118.8	116.4	114.0	111.9
170°	*118.8*	119.2	118.4	117.6	116.8	115.6	114.0	112.3	110.3	107.8	107.0
172.5°	*112.7*	112.3	111.9	111.1	110.3	109.1	108.3	106.6	105.4	103.8	103.0
175°	*107.0*	107.0	106.6	105.8	105.0	104.2	103.4	102.6	101.7	100.5	100.1
177.5°	*102.6*	102.6	102.6	101.7	101.3	100.9	100.1	99.7	99.3	98.5	98.5
180°	*98.1*	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	62.3	57.0	52.5	48.4	45.2	42.3	40.7	37.8	35.8	34.6
5°	70.0	62.3	55.8	49.2	44.4	39.1	33.8	28.5	25.2	24.8
7.5°	88.7	80.2	70.4	61.9	52.1	44.0	37.0	31.7	29.7	29.3
10°	112.3	99.7	86.7	74.1	61.5	51.3	44.0	39.1	36.6	36.2
12.5°	138.4	121.3	104.6	88.3	73.3	61.9	52.9	47.2	44.4	44.4
15°	165.2	144.1	122.9	103.0	85.5	71.2	60.2	52.9	49.7	49.2
17.5°	188.8	164.8	139.6	116.0	94.8	76.9	63.9	54.9	50.9	50.5
20°	215.7	185.2	156.3	127.0	102.1	81.4	65.9	55.8	50.5	50.1
22.5°	244.2	209.6	173.8	139.6	109.9	85.9	68.0	56.6	50.9	50.1
25°	276.3	234.8	191.7	152.2	117.6	89.9	70.0	57.4	51.3	50.5
27.5°	306.9	260.9	210.8	164.0	124.5	93.6	71.6	58.2	51.7	50.9
30°	339.4	286.5	229.5	176.6	131.9	97.3	73.3	58.6	51.7	50.9
32.5°	372.4	311.3	249.1	188.0	138.0	99.7	74.1	59.0	52.1	51.3
35°	407.4	338.2	267.4	199.8	143.7	102.1	74.9	59.4	52.1	51.3
37.5°	439.5	363.8	285.3	210.0	148.5	104.2	75.7	59.4	52.5	51.7
40°	468.4	387.0	301.2	219.0	152.6	105.4	76.1	59.8	52.9	52.1
42.5°	496.9	409.8	315.4	226.3	155.9	106.2	76.5	60.2	53.3	52.5
45°	522.1	428.9	328.4	233.2	158.3	107.0	76.9	60.6	53.7	52.9
47.5°	544.5	446.9	340.6	238.9	159.9	107.4	77.3	61.0	54.5	53.7
50°	566.1	463.9	350.0	243.4	161.6	107.8	77.3	61.9	55.8	54.9
52.5°	584.4	477.8	358.5	247.0	162.4	108.3	78.1	62.7	56.6	56.2
55°	600.3	490.0	366.3	249.9	163.2	108.3	79.0	63.9	58.2	57.4
57.5°	613.3	499.8	371.6	251.5	163.2	108.7	79.4	65.5	59.8	59.0
60°	624.7	508.3	376.4	253.5	163.6	109.1	80.6	67.2	61.9	61.5
62.5°	634.1	514.8	380.1	254.8	164.0	110.3	82.2	69.2	63.9	63.5
65°	641.4	520.5	383.0	255.6	164.4	111.1	83.8	71.2	66.7	66.3
67.5°	646.3	524.6	385.0	256.0	164.8	112.3	85.9	74.1	69.6	68.8
70°	*649.9*	*527.0*	*386.2*	*256.4*	*165.6*	*113.5*	*88.3*	*76.5*	*72.4*	*72.0*
71°	650.7	527.4	386.6	256.4	166.0	114.4	89.1	77.7	73.7	73.3
72.5°	651.2	527.8	386.6	256.4	166.5	115.6	90.8	79.8	75.7	75.3
75°	650.7	527.4	386.2	256.4	167.3	117.6	93.6	82.6	79.0	78.5
77.5°	647.9	525.8	385.0	256.4	168.5	120.1	96.9	86.7	82.6	82.2
80°	643.0	522.6	383.0	256.0	169.7	122.9	100.1	90.3	86.3	85.9
82.5°	636.5	517.7	380.1	256.0	171.3	125.3	103.4	93.6	90.3	89.9
85°	628.0	512.0	377.3	255.6	173.4	128.6	107.4	98.1	94.8	94.0
87.5°	617.8	505.1	374.0	255.6	175.4	132.3	111.5	102.1	98.9	98.1
90°	606.4	497.3	370.8	255.6	177.8	135.9	116.0	106.6	103.0	102.6
92.5°	595.0	490.0	367.5	256.0	181.1	140.0	120.5	111.5	107.8	107.8
95°	582.0	481.0	363.8	256.8	184.4	144.5	125.8	116.4	112.7	112.3
97.5°	568.9	472.9	361.0	258.0	188.0	149.8	130.6	121.7	118.0	117.2
100°	554.3	464.4	358.1	259.6	192.5	154.6	135.9	127.0	123.3	122.9
102.5°	540.1	455.0	354.9	261.7	197.0	160.3	141.6	132.3	128.6	128.2
105°	524.6	445.2	351.2	263.3	201.5	165.6	146.9	137.1	133.1	133.1
107.5°	509.5	435.1	347.6	265.3	205.9	170.9	151.8	142.0	137.6	137.1

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

Scaled Data Report

REPORT NUMBER: P1223947
CATALOG NUMBER: FFX-CLB-40-730-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	492.4	424.1	343.1	266.6	210.0	175.4	156.3	145.7	141.2	140.8
112.5°	477.0	412.3	338.2	267.0	213.7	179.5	159.9	149.0	144.5	143.7
115°	457.4	400.1	331.7	266.2	215.7	182.7	162.4	151.0	146.1	145.3
117.5°	438.7	386.2	324.8	264.1	216.9	184.4	164.0	152.2	146.9	146.1
120°	419.6	370.8	315.0	260.5	215.7	184.4	164.0	151.4	146.1	145.7
122.5°	398.0	354.5	304.8	255.2	213.7	182.7	162.4	150.2	144.5	144.1
125°	375.6	337.0	292.6	247.8	209.6	180.3	159.9	147.7	142.0	141.6
127.5°	354.1	319.1	280.0	239.3	203.9	176.2	156.7	144.1	138.4	137.6
130°	332.9	300.3	265.8	229.1	197.0	170.9	152.2	140.4	134.7	133.9
132.5°	310.9	282.4	251.5	219.4	189.6	165.2	147.3	135.9	130.6	129.8
135°	290.2	263.7	236.0	207.6	181.1	158.7	142.0	131.5	126.2	125.8
137.5°	270.2	246.2	221.8	196.2	172.6	152.2	136.7	127.0	122.1	121.3
140°	249.9	229.1	207.1	185.2	163.2	145.3	131.5	122.1	117.6	116.8
142.5°	232.4	212.8	193.3	173.0	154.2	138.0	125.8	117.2	113.5	113.1
145°	214.1	197.0	179.5	162.0	145.7	131.5	120.5	113.1	109.5	109.1
147.5°	197.8	181.5	166.5	151.4	137.1	124.5	115.2	109.1	106.2	105.8
150°	181.1	168.1	155.1	141.2	129.0	118.4	110.7	105.4	102.6	102.1
152.5°	166.5	155.5	143.7	133.1	121.7	113.1	106.6	101.7	99.7	99.3
155°	153.8	144.5	134.7	124.9	116.0	109.1	103.4	99.3	97.7	97.7
157.5°	142.8	134.7	126.6	118.4	111.1	105.0	100.5	97.7	96.0	95.6
160°	132.3	125.8	118.4	112.3	106.6	102.1	98.5	96.0	94.8	94.4
162.5°	123.7	118.0	113.1	107.8	103.4	99.7	96.9	94.8	94.0	94.0
165°	116.4	112.3	107.8	104.2	100.5	97.7	95.6	94.4	93.6	93.6
167.5°	110.7	107.0	104.2	100.9	98.5	96.5	94.8	94.0	93.6	93.2
170°	105.8	103.4	100.9	98.9	96.9	95.6	94.4	94.0	93.6	93.6
172.5°	102.1	100.5	98.9	97.3	96.0	94.8	94.4	94.0	94.0	94.0
175°	99.3	98.5	97.3	96.5	95.6	95.2	94.8	94.8	94.8	94.8
177.5°	98.1	97.3	96.9	96.5	96.0	96.0	96.0	96.5	96.5	96.5
180°	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

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

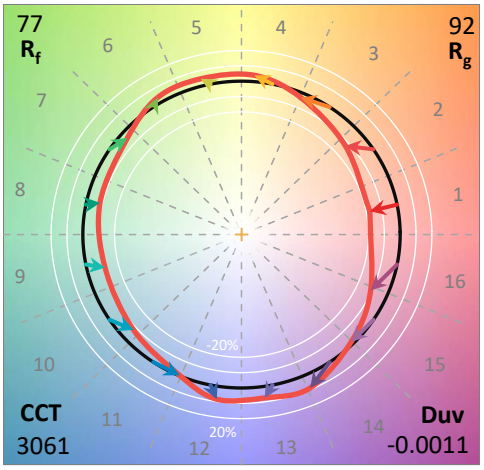
Test Information

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

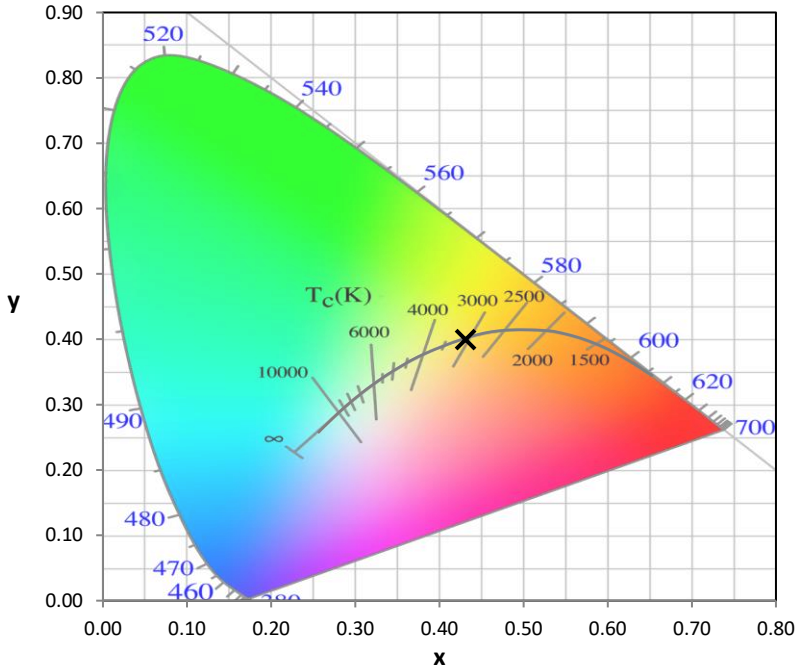
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

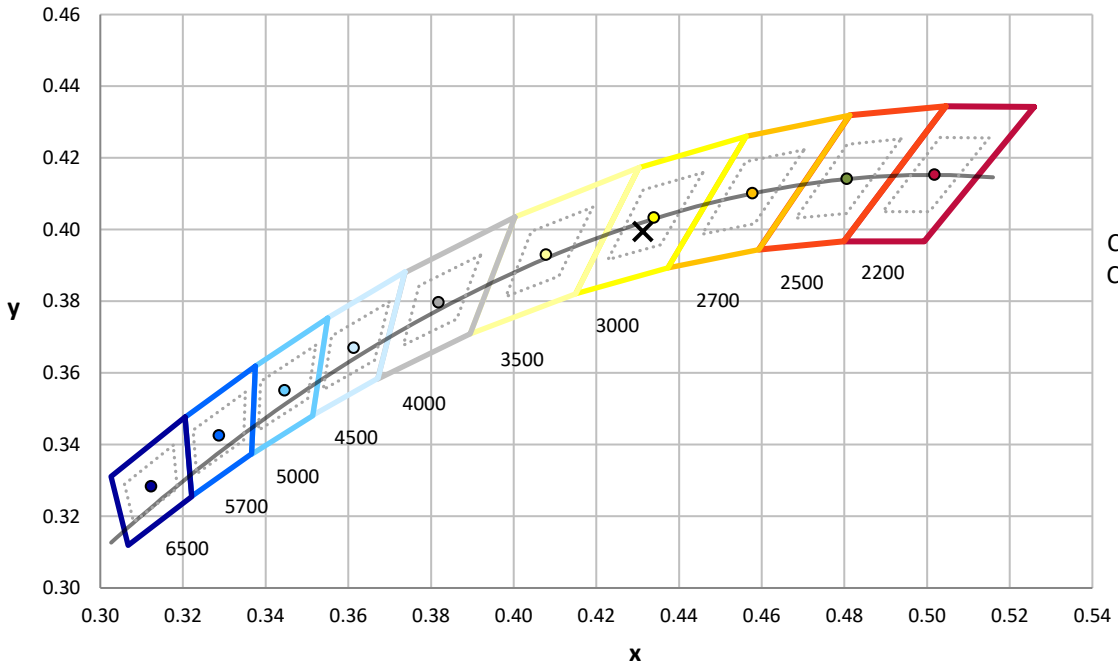
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

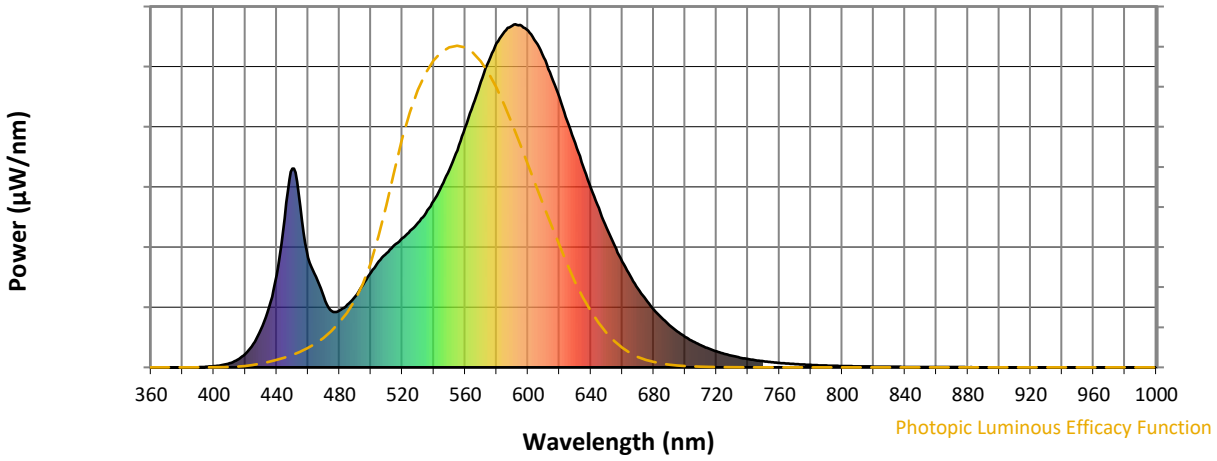


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

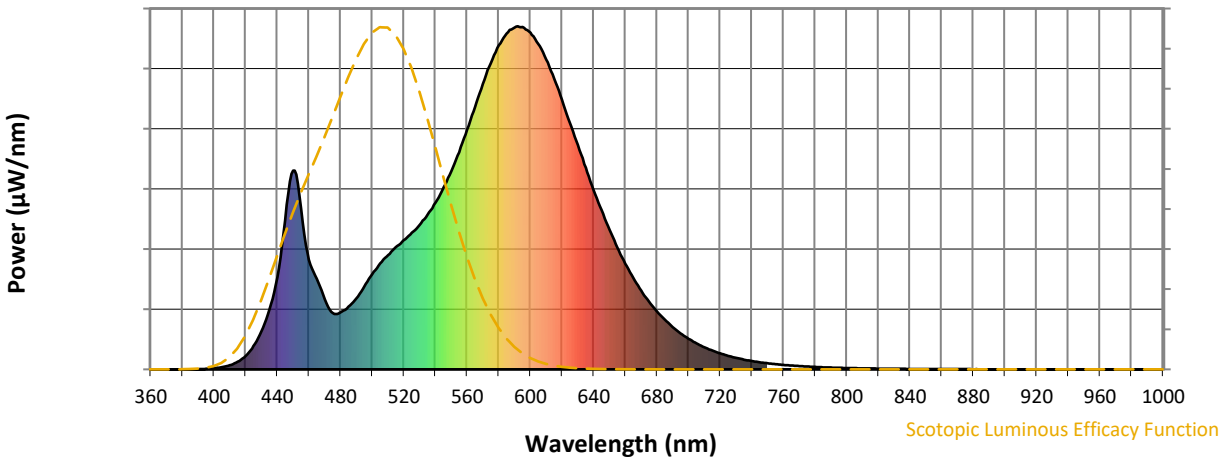


Photopic Lumens: NR

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

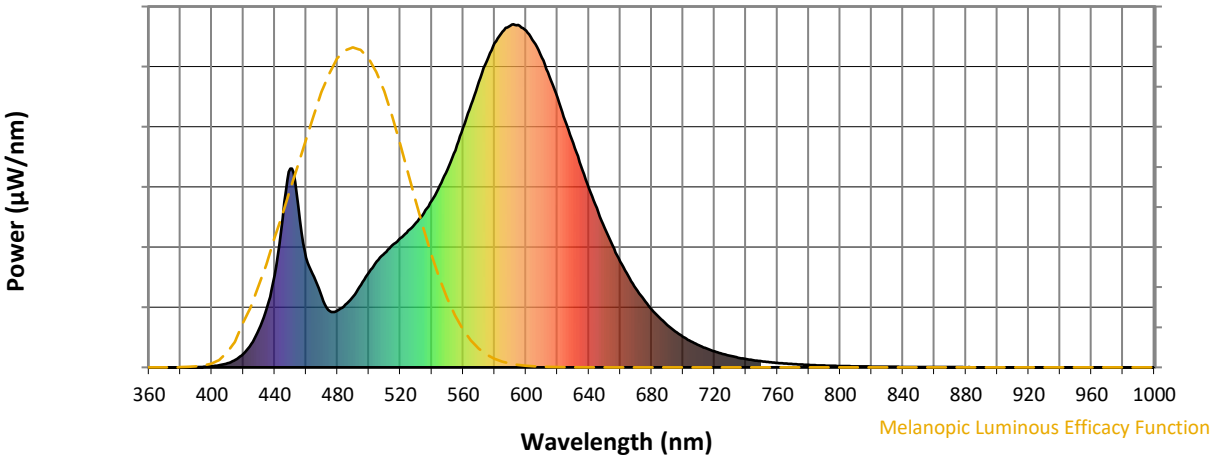


Scotopic Lumens: NR **S/P: 1.29**

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			

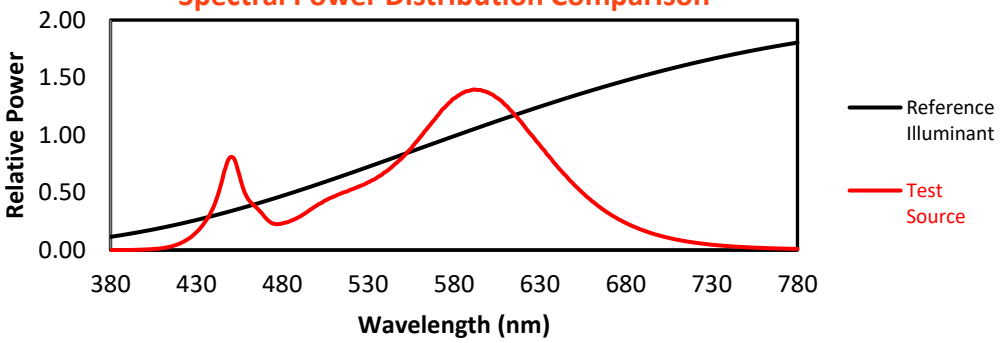
REPORT NUMBER: SP1-2501-332-4

TM-30-18

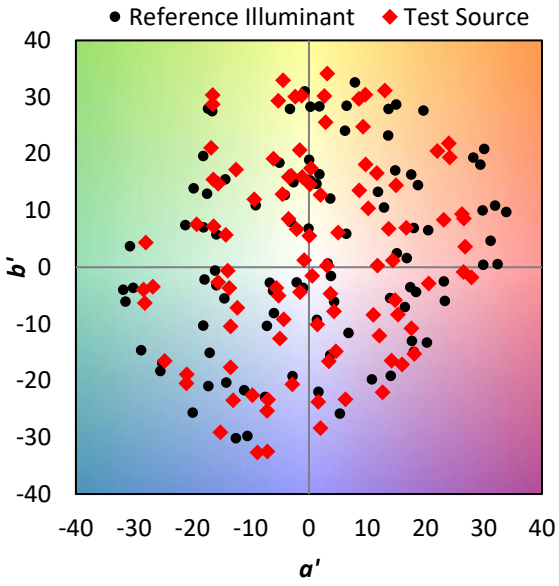
Summary

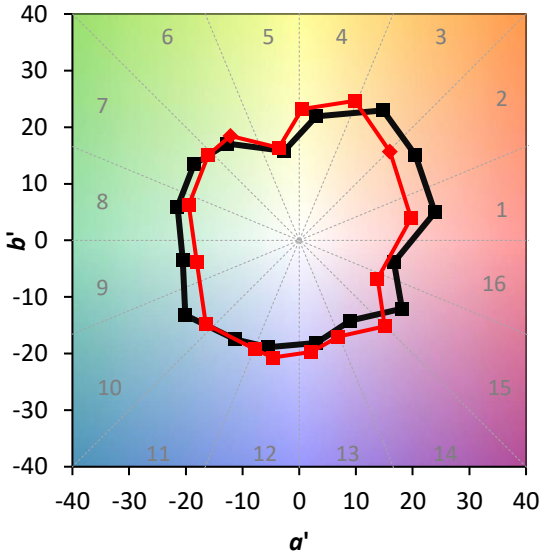
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

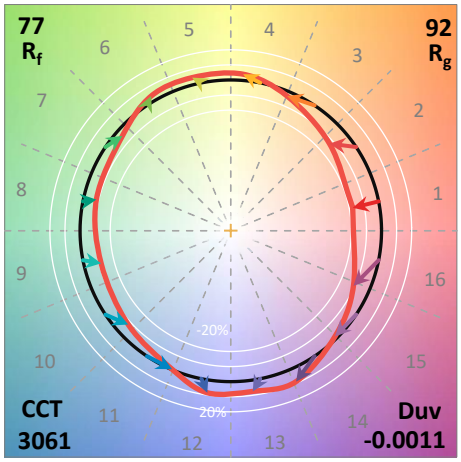
Spectral Power Distribution Comparison

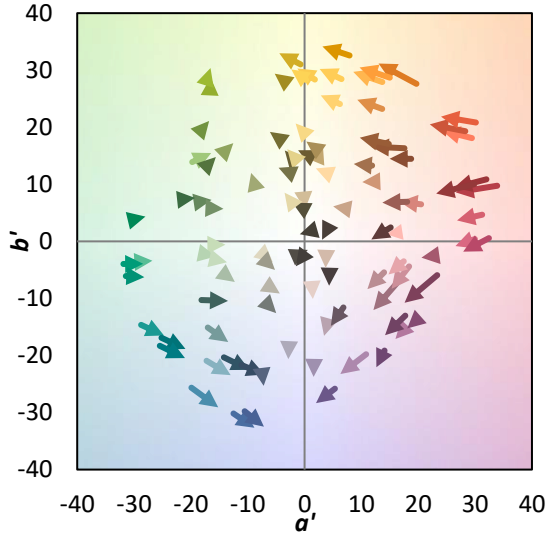


Color Vector Graphics







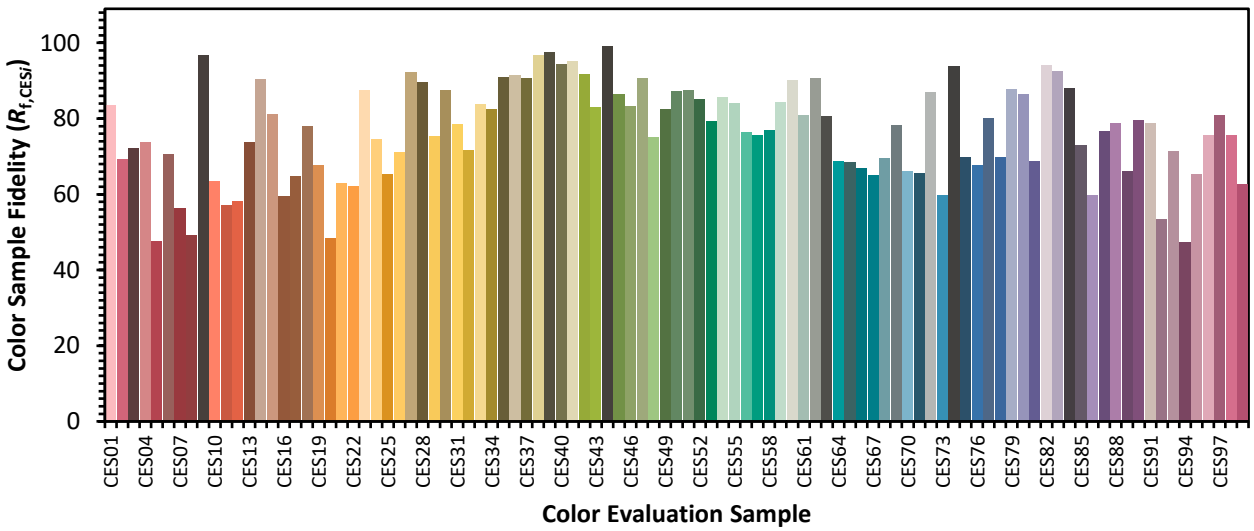


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

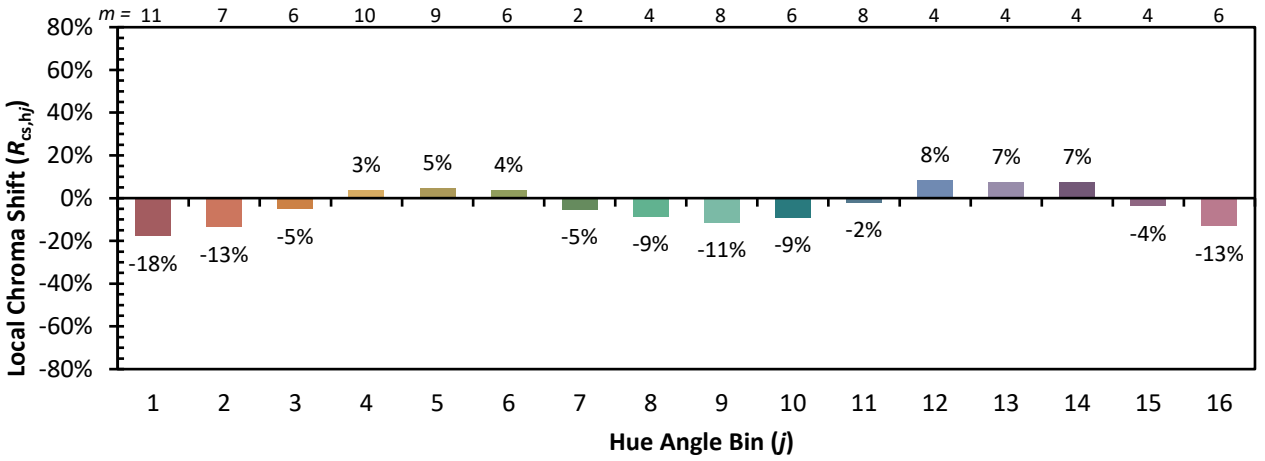
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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	

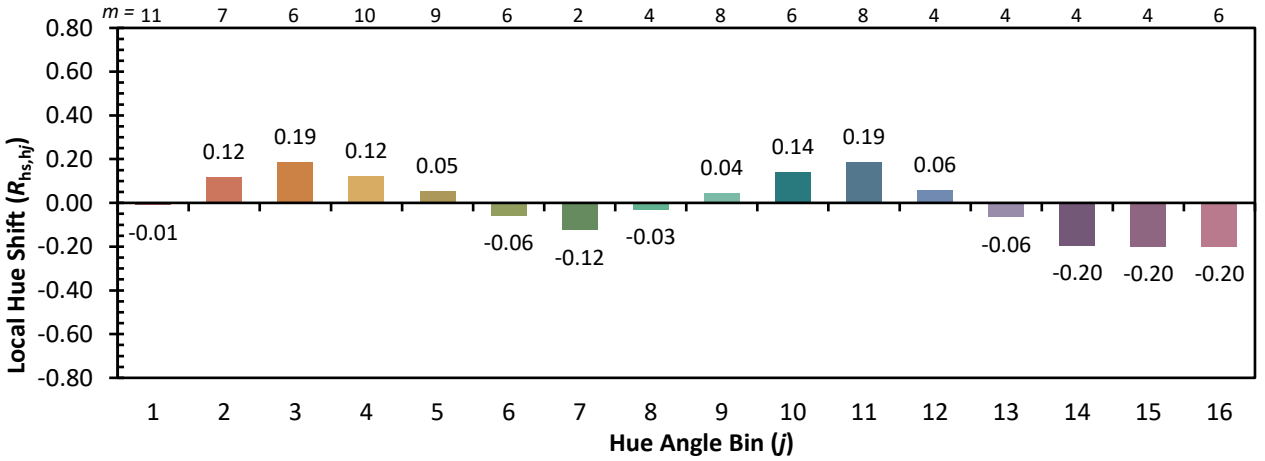


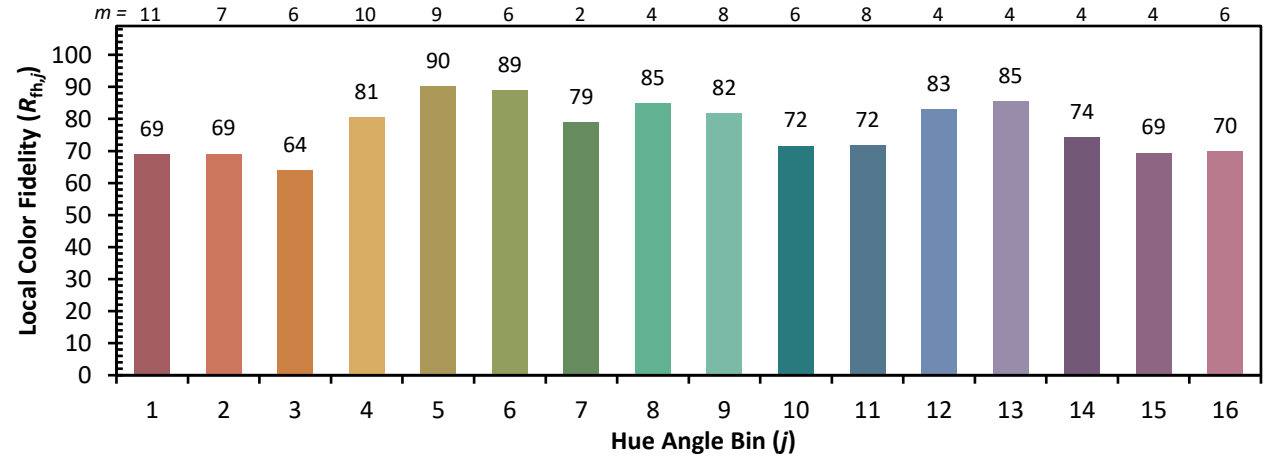
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Color Rendition by Hue-Angle Bin



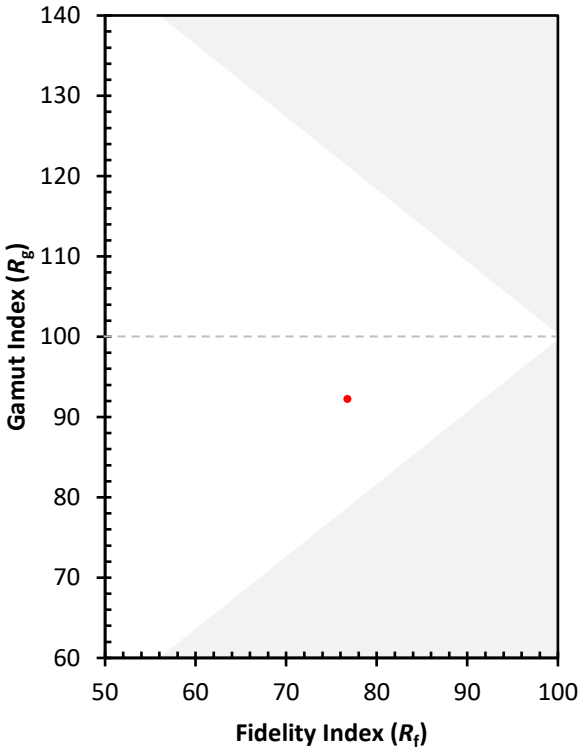


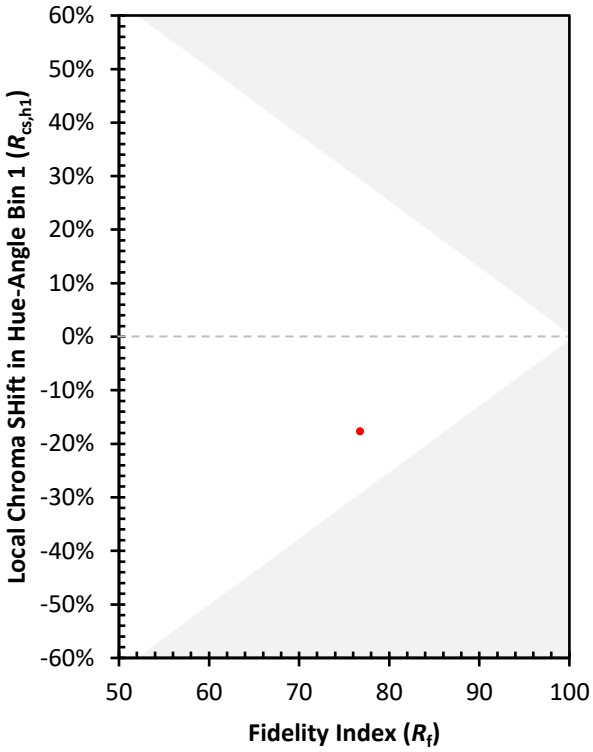


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Measure Comparisons





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