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: P1046247

Luminaire Tested: **FFX-CLB-80-730-U-FR-T4-UPLR-HSS**

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:	P1046247
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11199.7 lumens
Efficiency:	N/A
Efficacy:	136.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G4

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

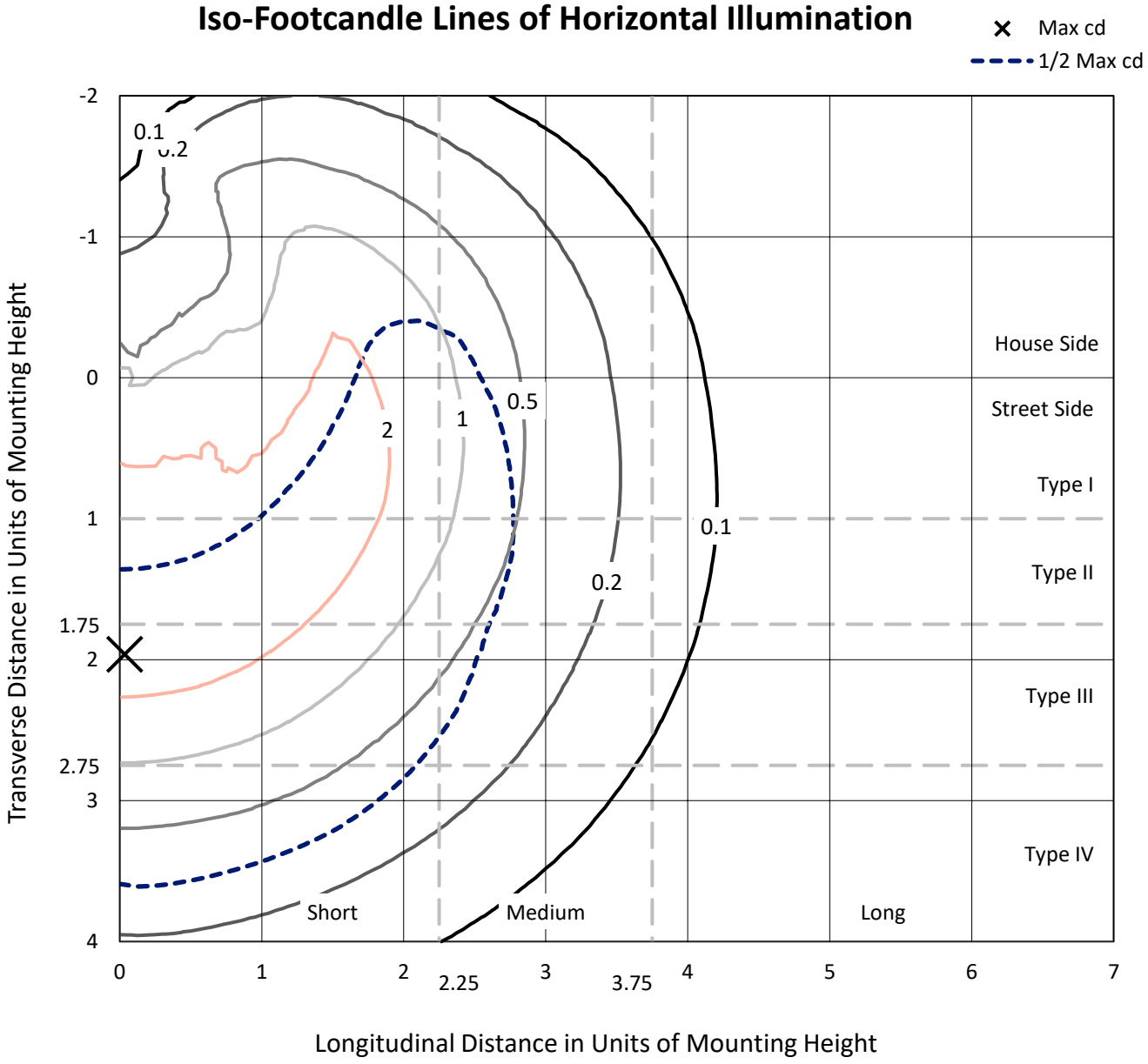


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Iso-Footcandle Lines of Horizontal Illumination



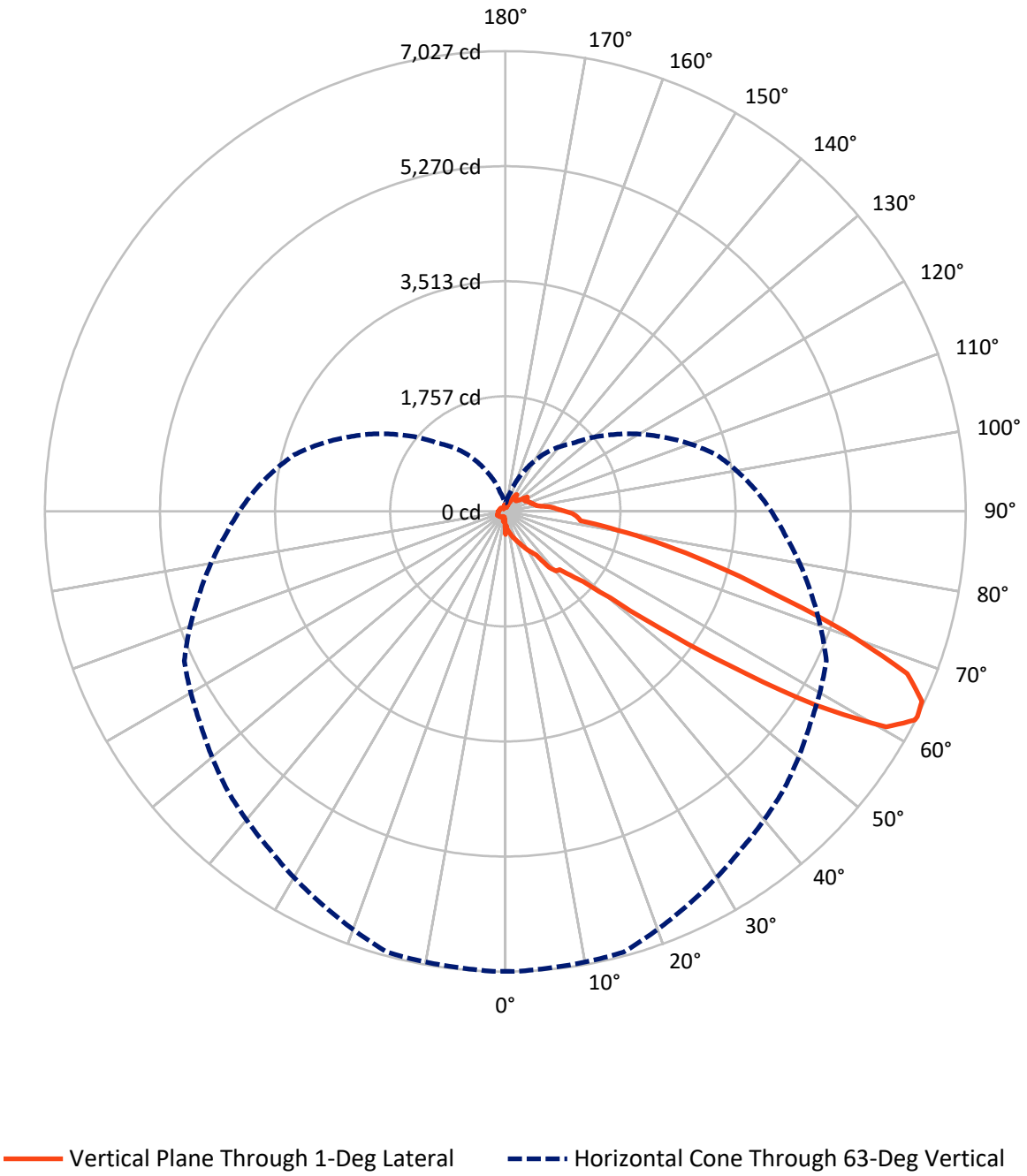
Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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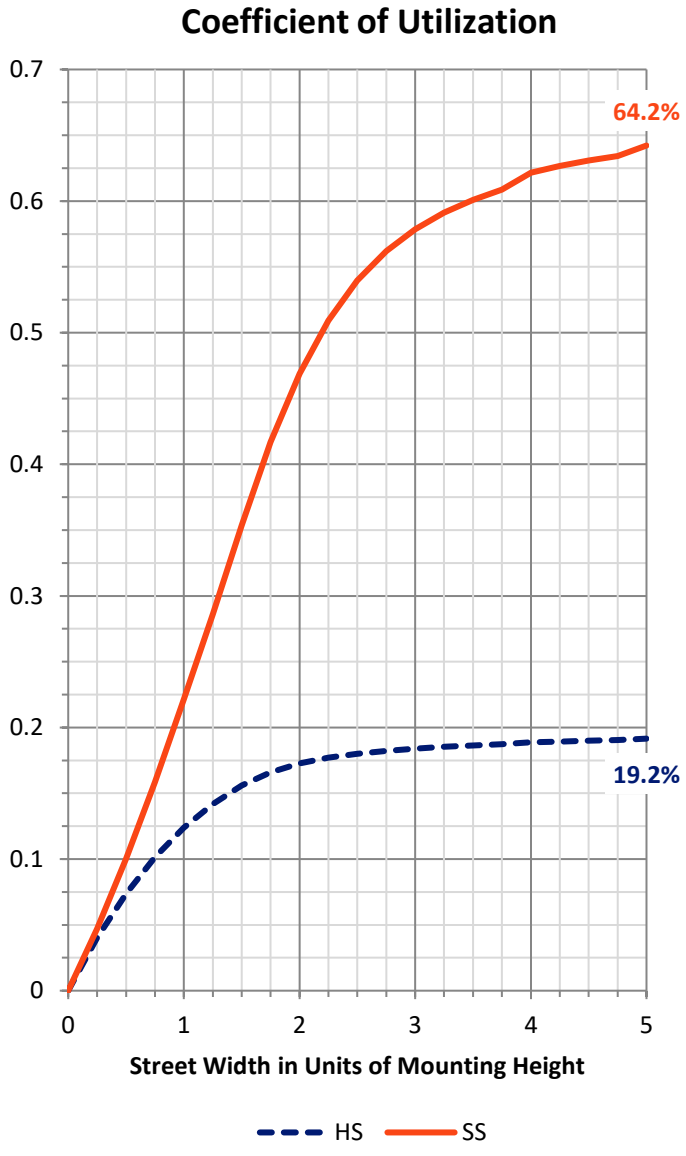
REPORT NUMBER: P1046247
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2217.5	444.2	2661.7
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	7512.5	1025.5	8538.1
	% Fixture	67.1	9.2	76.2
Total	Lumens	9730.0	1469.7	11199.7
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.2
10°-20°	73.7	0.7
20°-30°	162.4	1.5
30°-40°	332.6	3.0
40°-50°	671.6	6.0
50°-60°	2167.9	19.4
60°-70°	3571.6	31.9
70°-80°	1968.8	17.6
80°-90°	760.6	6.8
90°-100°	456.1	4.1
100°-110°	290.5	2.6
110°-120°	222.1	2.0
120°-130°	189.6	1.7
130°-140°	127.1	1.1
140°-150°	108.2	1.0
150°-160°	49.3	0.4
160°-170°	20.0	0.2
170°-180°	6.8	0.1
0°-90°	9730.0	86.9
0°-180°	11199.7	100.0



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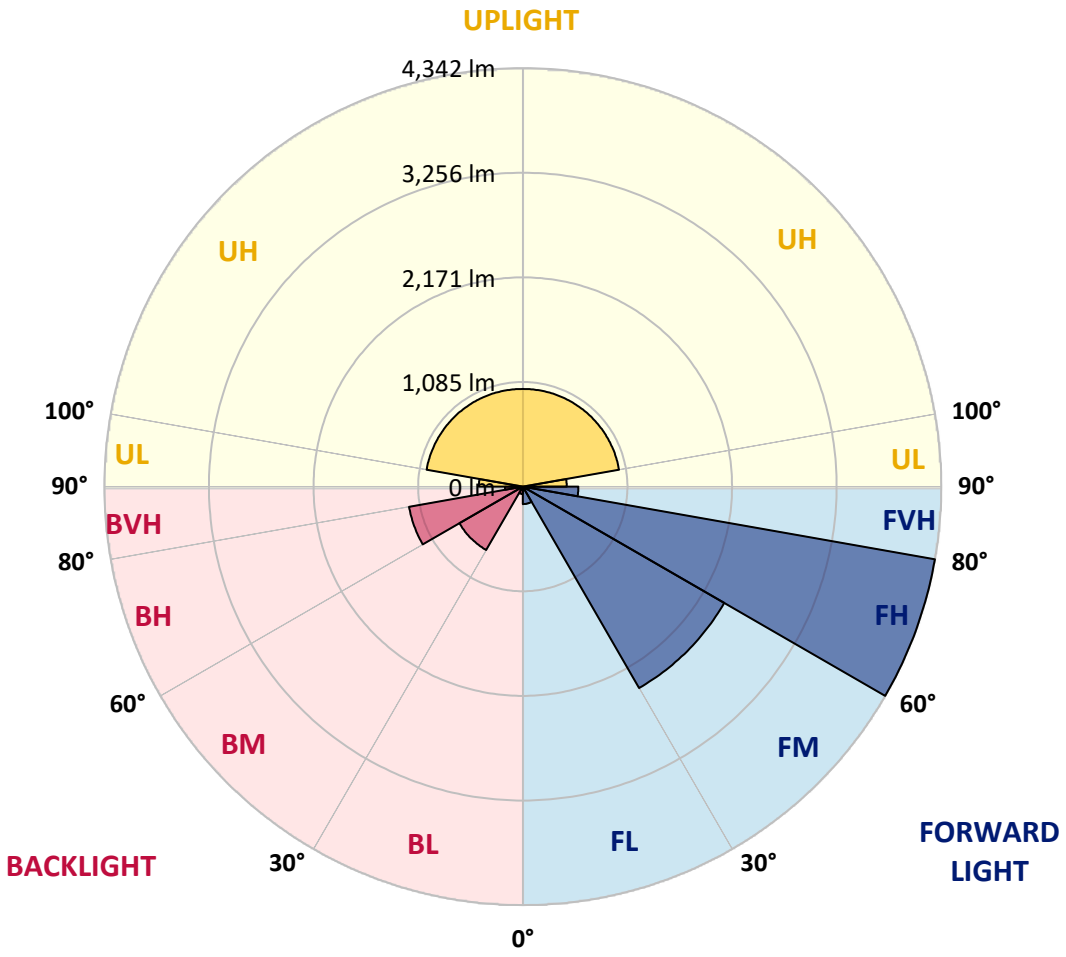
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	181.4	1.6			
FM	(30°-60°)	2412.9	21.5			
FH	(60°-80°)	4341.9	38.8			G2/5000
FVH	(80°-90°)	576.3	5.1			G4/750
BL	(0°-30°)	75.6	0.7	B0/110		
BM	(30°-60°)	759.2	6.8	B1/1000		
BH	(60°-80°)	1198.4	10.7	B3/2500		G3/2500
BVH	(80°-90°)	184.3	1.6			G2/225
UL	(90°-100°)	456.1	4.1		U3/500	
UH	(100°-180°)	1013.7	9.1		U5	

BUG Rating: B3-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5
2.5°	219.1	216.7	227.1	258.9	294.0	305.1	282.0	273.3	298.8	357.7	364.1
5°	252.6	256.5	254.1	258.1	261.3	286.0	308.3	285.2	231.0	188.8	192.0
7.5°	298.0	297.2	297.2	294.0	278.0	252.6	245.4	263.7	264.5	221.5	188.0
10°	317.9	317.1	317.1	313.9	310.7	313.1	305.1	271.7	244.6	227.1	215.9
12.5°	360.1	358.5	357.7	356.1	350.5	344.2	338.6	340.2	317.1	273.3	244.6
15°	395.2	393.6	395.2	396.8	392.8	381.6	365.7	343.4	322.7	304.3	278.8
17.5°	433.4	432.6	431.8	430.2	424.6	409.5	390.4	369.7	346.6	321.1	297.2
20°	470.1	468.5	469.3	470.1	467.7	449.3	430.2	404.7	380.0	355.3	327.4
22.5°	513.9	513.9	511.5	511.5	509.1	497.9	474.0	444.6	419.1	388.0	356.9
25°	570.4	568.0	568.0	565.7	556.1	544.1	527.4	494.0	463.7	434.2	392.8
27.5°	626.2	623.8	623.8	623.0	611.1	595.1	567.2	535.4	506.7	469.3	419.1
30°	689.9	688.3	689.1	680.4	670.8	648.5	613.5	576.8	539.4	495.5	446.9
32.5°	754.5	749.7	748.9	739.3	726.6	699.5	660.5	625.4	586.4	535.4	494.7
35°	830.2	819.8	831.0	828.6	827.0	798.3	753.7	713.0	666.8	620.6	576.8
37.5°	1080.3	1085.1	1082.7	1050.8	1025.3	986.3	966.4	918.6	854.9	798.3	715.4
40°	1198.2	1196.6	1192.7	1157.6	1134.5	1093.9	1062.0	1026.1	988.7	900.3	797.5
42.5°	1223.7	1215.0	1221.3	1254.0	1284.3	1257.2	1156.0	1040.5	987.9	925.8	872.4
45°	1410.2	1387.8	1397.4	1406.2	1376.7	1337.7	1293.8	1218.9	1130.5	1041.3	943.3
47.5°	1609.3	1597.4	1596.6	1593.4	1596.6	1559.1	1501.0	1431.7	1306.6	1210.2	1101.0
50°	2094.5	2078.6	2083.4	2087.3	2070.6	2032.4	1969.4	1924.0	1774.2	1589.4	1447.6
52.5°	2984.4	2974.9	2952.6	2954.2	2803.6	2795.6	2710.4	2669.7	2449.0	2237.9	1951.9
55°	4083.1	4145.2	4076.7	4063.2	4001.0	3945.2	3731.7	3554.9	3238.6	2935.0	2599.6
57.5°	5571.3	5581.7	5494.8	5497.2	5276.5	5136.3	4939.5	4668.6	4197.8	3759.6	3383.6
60°	6655.6	6681.9	6641.3	6556.8	6129.8	5878.8	5662.1	5448.6	5089.3	4438.4	3915.0
62.5°	7008.5	7016.5	6991.0	6946.4	6569.6	6249.3	5970.4	5660.5	5384.9	4798.5	4272.7
63°	7021.3	7026.9	7006.9	6968.7	6619.0	6286.7	6007.9	5676.5	5406.4	4830.4	4294.2
65°	6987.0	6989.4	6980.7	6929.7	6650.0	6298.7	5992.0	5665.3	5417.5	4843.1	4294.2
67.5°	6678.7	6618.2	6643.7	6557.6	6325.0	5975.2	5682.0	5349.0	5125.9	4570.6	4044.8
70°	5494.8	5498.8	5494.8	5447.8	5381.7	5105.2	4762.7	4463.1	4181.1	3745.3	3332.6
72.5°	4251.2	4267.9	4231.3	4258.3	4205.0	3976.3	3754.8	3451.3	3252.9	2883.2	2519.2
75°	3292.7	3327.0	3338.2	3260.9	3214.7	3166.1	3045.0	2826.7	2628.3	2342.3	2024.4
77.5°	2488.1	2494.5	2504.0	2451.4	2390.9	2410.0	2392.5	2288.9	2122.4	1912.1	1659.5
80°	1719.3	1737.6	1768.7	1738.4	1745.6	1734.4	1732.0	1649.2	1528.9	1396.6	1261.2
82.5°	1155.2	1154.4	1162.4	1211.0	1255.6	1254.0	1183.1	1066.8	1005.4	967.2	890.7
85°	1105.8	1105.8	1117.0	1081.9	1059.6	1037.3	1032.5	992.7	945.7	859.6	753.7
87.5°	1030.9	1028.5	1031.7	1001.4	972.0	964.8	957.6	923.4	902.7	827.8	730.6
90°	881.9	888.3	888.3	885.9	867.6	860.4	831.8	803.1	790.3	722.6	646.1
92.5°	778.4	778.4	787.1	772.0	752.1	763.2	713.8	676.4	658.9	613.5	552.9
95°	703.5	701.1	712.2	690.7	676.4	655.7	635.0	595.9	583.2	544.1	482.8
97.5°	561.7	559.3	565.7	555.3	533.0	523.4	501.1	470.1	458.1	421.5	384.0
100°	483.6	482.8	485.2	479.6	466.9	454.9	435.8	411.1	399.9	369.7	336.2
102.5°	458.9	456.5	457.3	458.1	439.8	428.6	410.3	391.2	380.0	355.3	318.7
105°	436.6	435.0	433.4	433.4	412.7	401.5	389.6	376.8	367.3	340.2	305.1
107.5°	415.9	413.5	407.9	407.1	393.6	381.6	367.3	356.1	346.6	321.9	288.4

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	392.8	*392.0*	388.8	389.6	380.8	362.5	350.5	337.0	325.1	303.5	274.1
112.5°	380.8	*380.8*	378.4	382.4	349.0	330.6	317.9	305.9	298.0	277.3	254.9
115°	368.1	*361.7*	359.3	367.3	329.0	303.5	290.8	278.0	270.1	249.4	231.0
117.5°	341.0	*339.4*	340.2	346.6	335.4	307.5	286.8	270.9	262.9	247.8	231.0
120°	388.8	*387.2*	377.6	376.0	356.9	334.6	321.1	312.3	300.4	275.7	243.8
122.5°	406.3	*403.1*	388.0	392.8	367.3	356.1	350.5	347.4	336.2	303.5	254.9
125°	353.7	*349.0*	345.0	346.6	332.2	317.9	312.3	307.5	296.4	278.0	243.0
127.5°	283.6	*286.0*	282.8	274.1	271.7	250.2	243.0	237.4	227.1	211.9	206.3
130°	266.1	*264.5*	263.7	262.1	260.5	244.6	233.4	219.9	211.1	198.4	183.2
132.5°	236.6	*238.2*	240.6	254.1	266.9	253.3	224.7	204.0	198.4	200.8	194.4
135°	224.7	*225.5*	225.5	235.8	247.0	233.4	211.9	192.0	189.6	198.4	190.4
137.5°	230.2	*234.2*	233.4	231.0	224.7	215.1	210.3	199.2	192.8	187.2	173.7
140°	243.0	*247.8*	245.4	231.8	227.1	222.3	225.5	221.5	205.5	186.4	166.5
142.5°	241.4	*245.4*	243.8	242.2	251.0	239.8	224.7	209.5	196.8	186.4	173.7
145°	313.1	*311.5*	305.1	305.1	294.8	278.0	267.7	251.8	236.6	223.1	202.4
147.5°	289.2	*293.2*	294.8	287.6	282.8	271.7	270.1	261.3	256.5	244.6	223.1
150°	229.4	*232.6*	227.9	222.3	219.9	220.7	216.7	210.3	205.5	196.8	187.2
152.5°	158.5	*160.1*	158.5	153.8	152.2	149.8	150.6	145.8	142.6	137.0	128.3
155°	144.2	*145.0*	145.8	137.8	136.2	137.0	137.8	134.6	128.3	123.5	113.1
157.5°	113.1	*111.5*	111.5	109.9	110.7	108.4	108.4	107.6	105.2	102.0	98.8
160°	90.0	*90.8*	90.8	90.8	92.4	90.8	90.8	88.4	88.4	86.8	85.2
162.5°	76.5	*76.5*	76.5	76.5	75.7	75.7	77.3	76.5	76.5	77.3	78.9
165°	64.5	*65.3*	65.3	65.3	65.3	65.3	66.9	66.9	68.5	71.7	75.7
167.5°	60.5	*59.8*	59.8	60.5	60.5	62.1	62.1	65.3	70.9	76.5	76.5
170°	57.4	*57.4*	57.4	58.2	58.2	59.0	61.3	66.9	73.3	75.7	72.5
172.5°	59.8	*59.0*	59.0	59.8	59.8	62.1	65.3	70.1	72.5	72.5	69.3
175°	61.3	*60.5*	60.5	61.3	61.3	62.9	66.1	69.3	70.9	71.7	71.7
177.5°	59.8	*59.8*	59.8	59.8	59.8	60.5	60.5	62.9	64.5	66.1	67.7
180°	57.4	*57.4*	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5
2.5°	364.1	332.2	285.2	227.9	265.3	311.5	305.1	269.3	215.1	161.7	161.7
5°	201.6	213.5	225.5	197.6	176.9	175.3	170.5	153.0	150.6	124.3	117.1
7.5°	176.1	164.9	162.5	192.0	189.6	125.1	98.8	87.6	92.4	125.1	129.1
10°	211.1	206.3	191.2	159.3	133.0	121.1	120.3	121.9	111.5	90.0	84.4
12.5°	238.2	230.2	216.7	207.1	176.9	141.0	121.1	112.3	118.7	150.6	157.7
15°	264.5	253.3	230.2	204.0	173.7	147.4	126.7	108.4	108.4	103.6	101.2
17.5°	285.2	270.9	243.0	214.3	180.1	147.4	120.3	102.0	93.2	91.6	91.6
20°	311.5	298.0	267.7	232.6	189.6	149.0	119.5	102.0	91.6	87.6	86.8
22.5°	344.2	326.6	287.6	246.2	195.2	150.6	121.1	102.8	92.4	86.8	85.2
25°	374.4	354.5	308.3	265.3	207.9	154.6	122.7	105.2	94.0	87.6	86.8
27.5°	399.1	377.6	334.6	285.2	221.5	164.1	130.7	109.9	96.4	90.0	88.4
30°	427.0	407.1	361.7	305.9	234.2	176.1	141.8	118.7	103.6	94.8	94.0
32.5°	468.5	443.8	391.2	327.4	249.4	188.8	153.0	126.7	108.4	103.6	103.6
35°	543.3	517.9	448.5	362.5	263.7	201.6	164.1	135.4	115.5	104.4	103.6
37.5°	683.6	648.5	561.7	442.2	288.4	211.9	173.7	142.6	119.5	103.6	101.2
40°	748.1	688.3	595.9	484.4	324.3	223.9	181.6	148.2	120.3	106.0	104.4
42.5°	824.6	774.4	643.7	494.7	350.5	253.3	195.2	154.6	125.1	109.1	107.6
45°	897.9	849.3	739.3	584.8	409.5	297.2	219.1	167.3	133.0	113.9	110.7
47.5°	1030.9	979.9	827.0	677.2	490.8	365.7	266.9	187.2	144.2	118.7	114.7
50°	1376.7	1304.2	1124.1	897.1	627.8	464.5	341.8	228.7	159.3	121.1	116.3
52.5°	1822.8	1712.1	1516.9	1226.9	897.9	657.3	478.8	332.2	185.6	121.9	114.7
55°	2546.2	2410.0	2096.1	1672.3	1257.2	980.7	725.0	510.7	273.3	127.5	113.9
57.5°	3232.2	3131.0	2857.0	2288.1	1667.5	1246.0	953.6	718.6	372.1	140.2	119.5
60°	3736.5	3543.7	3223.4	2640.3	2014.0	1446.0	1061.2	747.3	382.4	142.6	123.5
62.5°	4037.7	3799.4	3324.6	2691.2	2063.4	1487.4	1104.2	687.5	309.1	139.4	129.1
63°	*4060.0*	*3828.9*	*3337.4*	*2673.7*	*2047.5*	*1476.3*	*1097.8*	*673.2*	*300.4*	*138.6*	*130.7*
65°	4032.1	3831.3	3292.7	2582.1	1912.1	1377.5	1022.2	604.7	243.8	136.2	132.3
67.5°	3754.8	3591.5	3059.3	2334.3	1702.5	1189.5	846.1	461.3	190.4	129.9	128.3
70°	3143.0	2955.7	2472.9	1929.6	1349.6	960.8	674.8	357.7	156.9	123.5	121.9
72.5°	2339.1	2261.0	1878.6	1468.3	1038.1	740.9	506.7	271.7	139.4	118.7	117.1
75°	1891.4	1774.2	1489.8	1160.0	789.5	550.5	376.0	204.0	127.5	114.7	113.1
77.5°	1563.9	1485.8	1239.7	875.6	563.3	396.8	276.5	161.7	121.9	112.3	111.5
80°	1211.0	1162.4	967.2	647.7	403.1	295.6	219.1	148.2	119.5	111.5	110.7
82.5°	854.1	838.9	704.3	484.4	342.6	264.5	204.0	145.8	120.3	113.1	111.5
85°	707.5	674.8	592.7	460.5	325.1	253.3	196.8	143.4	120.3	112.3	111.5
87.5°	689.1	662.1	573.6	431.0	298.0	234.2	184.8	137.8	116.3	109.1	108.4
90°	623.0	595.9	513.9	384.8	280.4	219.9	172.9	130.7	111.5	106.0	104.4
92.5°	531.4	506.7	446.2	349.7	268.5	211.1	168.1	128.3	110.7	104.4	103.6
95°	461.3	440.6	391.2	321.9	247.8	196.8	159.3	123.5	107.6	102.0	101.2
97.5°	367.3	354.5	316.3	262.1	209.5	172.1	142.6	116.3	103.6	98.8	98.0
100°	323.5	312.3	282.0	237.4	194.4	162.5	137.8	113.9	100.4	96.4	95.6
102.5°	303.5	294.8	267.7	223.1	182.4	154.6	131.5	109.9	98.0	94.0	93.2
105°	288.4	280.4	255.7	212.7	172.1	144.2	123.5	105.2	94.0	90.8	90.0
107.5°	270.1	263.7	239.8	197.6	161.7	135.4	117.1	101.2	91.6	88.4	88.4

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

Scaled Data Report

REPORT NUMBER: P1046247
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	254.9	250.2	225.5	188.8	154.6	129.9	113.1	99.6	90.8	87.6	87.6
112.5°	239.0	233.4	210.3	177.7	148.2	125.9	109.9	97.2	89.2	86.0	86.0
115°	221.5	215.9	193.6	164.9	140.2	119.5	105.2	93.2	86.0	83.7	83.7
117.5°	224.7	210.3	183.2	157.7	133.8	114.7	102.0	91.6	83.7	82.1	81.3
120°	227.9	209.5	189.6	165.7	137.8	112.3	99.6	89.2	82.9	80.5	80.5
122.5°	222.3	224.7	207.1	170.5	131.5	109.9	98.8	90.0	83.7	81.3	82.1
125°	217.5	223.1	202.4	160.9	126.7	109.1	98.8	92.4	86.8	84.4	84.4
127.5°	200.0	200.8	172.1	144.2	123.5	106.8	98.0	93.2	88.4	85.2	83.7
130°	176.1	174.5	160.9	140.2	116.3	102.8	94.8	92.4	87.6	82.1	81.3
132.5°	188.8	184.0	161.7	133.0	109.9	98.8	94.0	90.8	82.9	76.5	75.7
135°	179.3	174.5	151.4	124.3	106.8	100.4	98.0	90.0	78.1	73.3	72.5
137.5°	163.3	155.4	136.2	118.7	108.4	104.4	98.8	88.4	76.5	70.9	70.1
140°	156.9	149.0	133.8	121.9	109.9	97.2	87.6	78.1	70.1	65.3	64.5
142.5°	164.9	158.5	143.4	121.9	102.8	89.2	80.5	74.1	66.9	59.8	59.0
145°	192.0	180.1	159.3	137.0	117.1	101.2	87.6	74.1	61.3	53.4	52.6
147.5°	212.7	203.2	180.9	155.4	127.5	102.0	82.1	65.3	55.0	50.2	49.4
150°	176.9	171.3	154.6	133.8	113.1	90.0	70.9	58.2	51.8	50.2	50.2
152.5°	123.5	119.5	113.9	100.4	84.4	70.9	60.5	54.2	51.8	51.0	51.0
155°	109.1	106.8	99.6	87.6	76.5	66.1	58.2	53.4	52.6	51.8	51.8
157.5°	94.0	93.2	88.4	78.9	70.1	62.1	56.6	54.2	52.6	51.8	51.8
160°	84.4	82.1	77.3	70.9	65.3	60.5	57.4	55.8	54.2	53.4	53.4
162.5°	78.9	77.3	71.7	66.9	63.7	62.9	63.7	62.9	59.0	56.6	55.8
165°	74.9	74.1	68.5	65.3	63.7	67.7	72.5	70.9	63.7	59.8	59.8
167.5°	74.9	73.3	67.7	65.3	69.3	74.9	78.9	78.1	71.7	67.7	65.3
170°	70.9	69.3	67.7	68.5	74.1	76.5	77.3	78.9	79.7	83.7	85.2
172.5°	68.5	68.5	70.1	73.3	78.1	78.9	76.5	77.3	84.4	93.2	94.0
175°	71.7	71.7	74.9	80.5	82.9	84.4	81.3	82.1	90.0	98.8	99.6
177.5°	68.5	69.3	70.9	71.7	70.9	68.5	67.7	70.9	68.5	67.7	70.1
180°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4

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

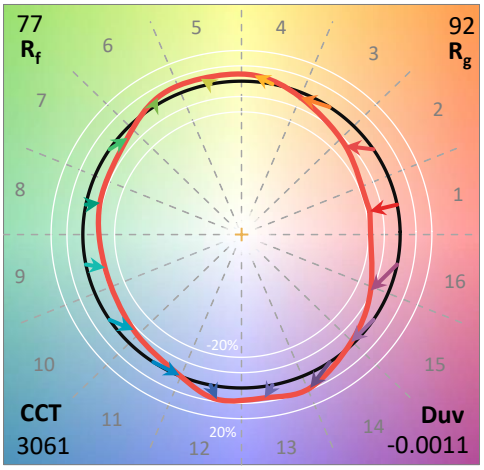
Test Information

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

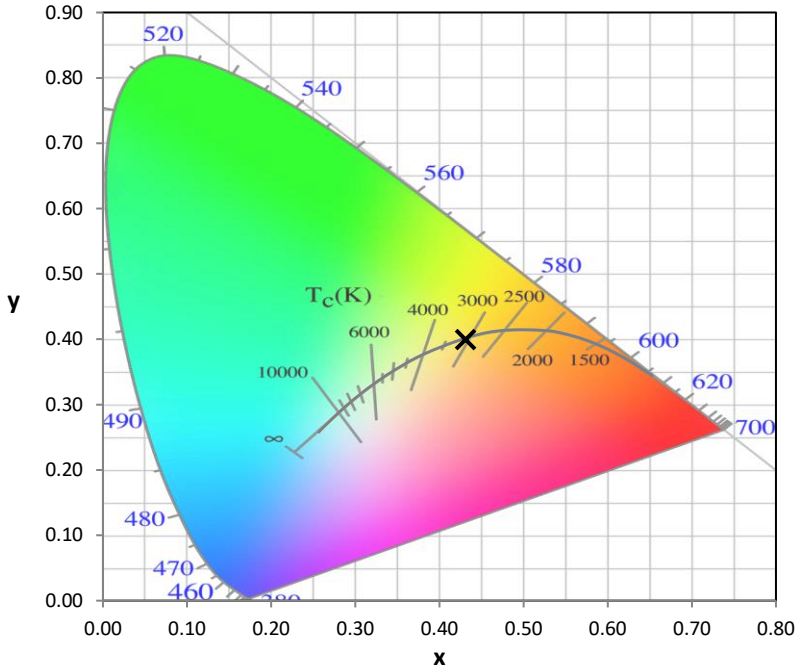
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

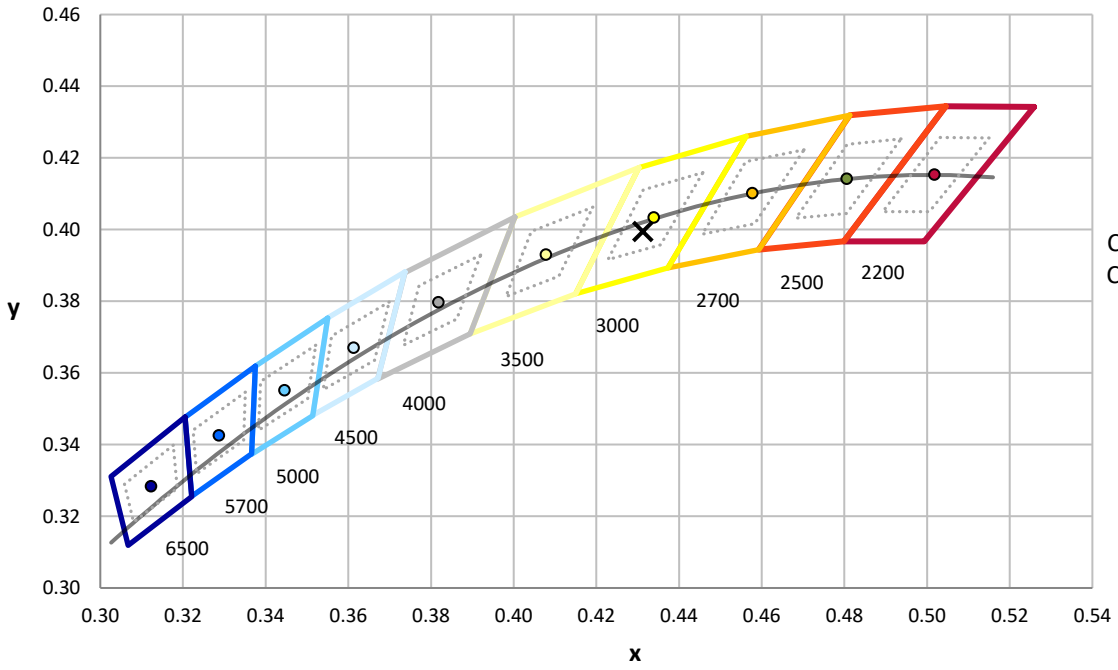
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

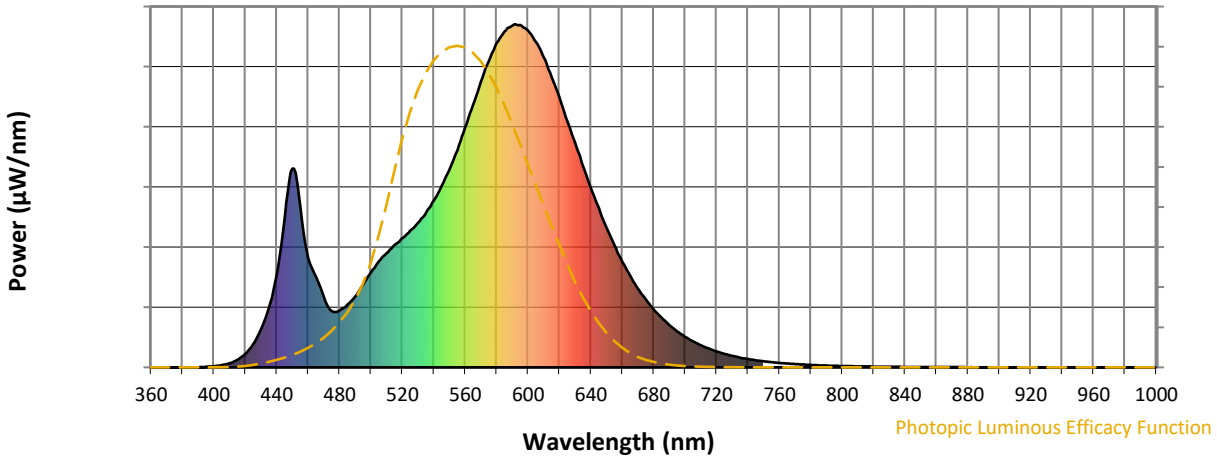


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

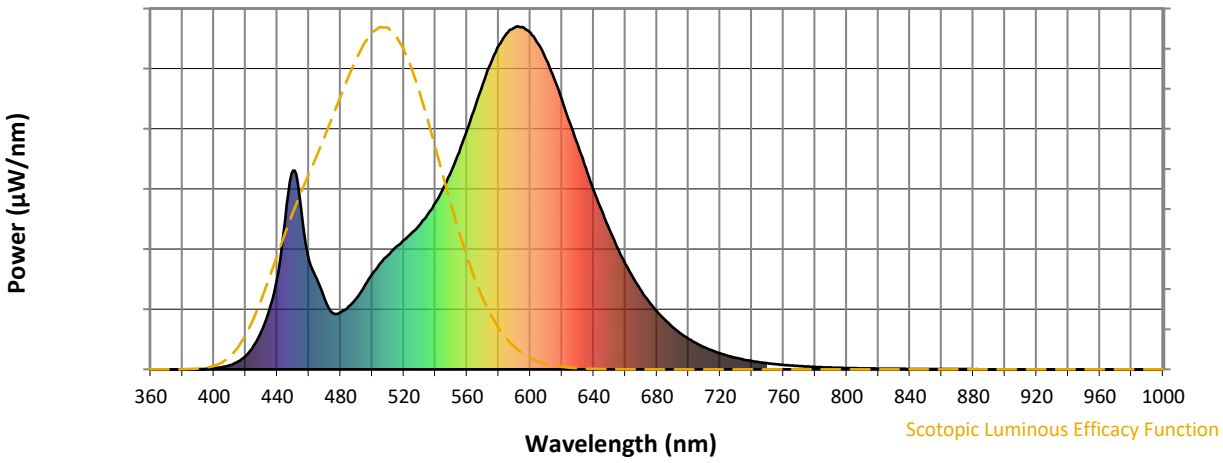


Photopic Lumens: NR

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

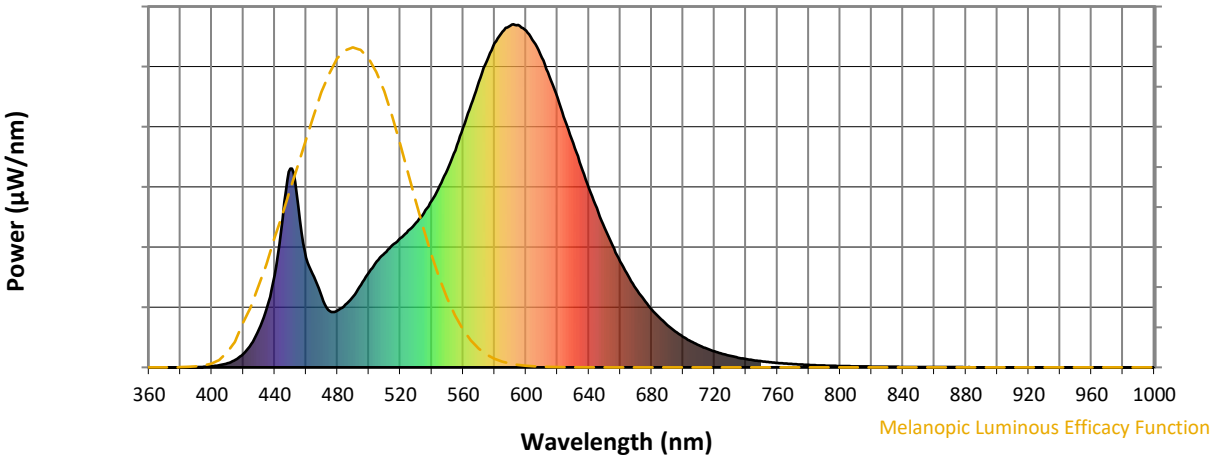


Scotopic Lumens: NR **S/P: 1.29**

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			

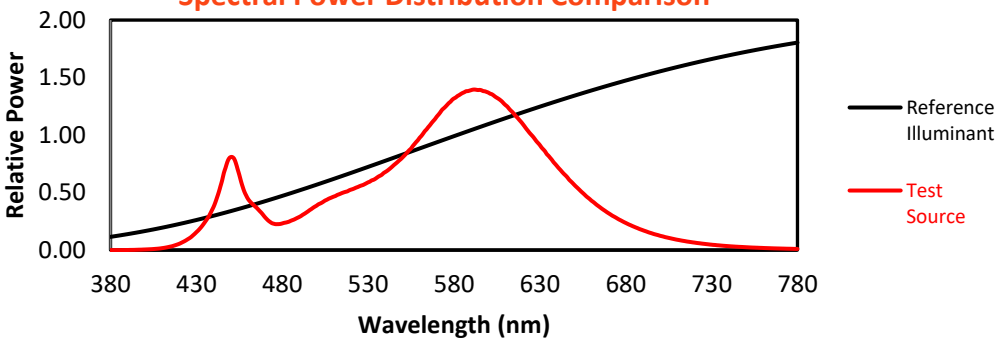
REPORT NUMBER: SP1-2501-332-4

TM-30-18

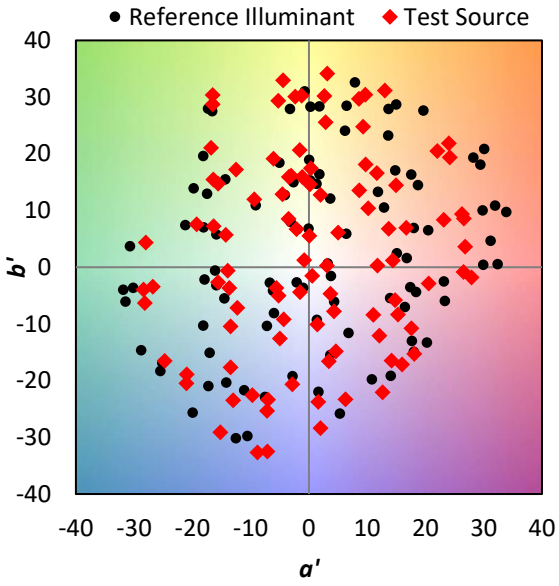
Summary

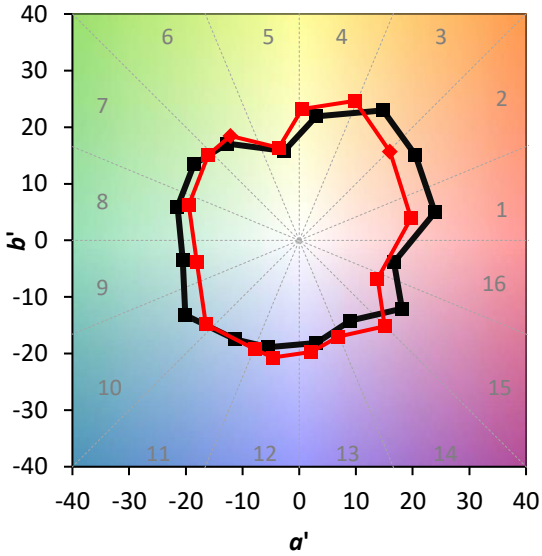
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

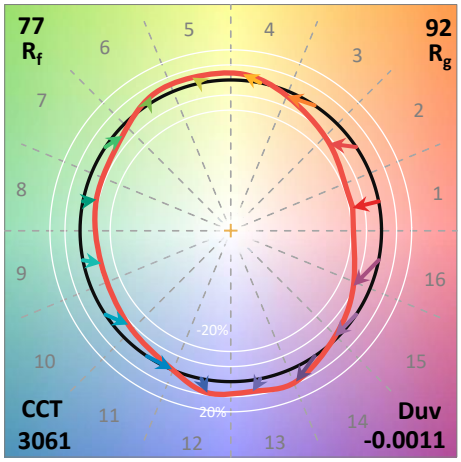
Spectral Power Distribution Comparison

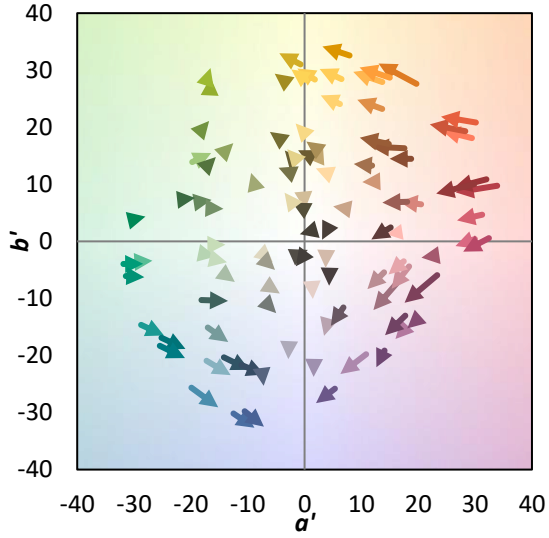


Color Vector Graphics







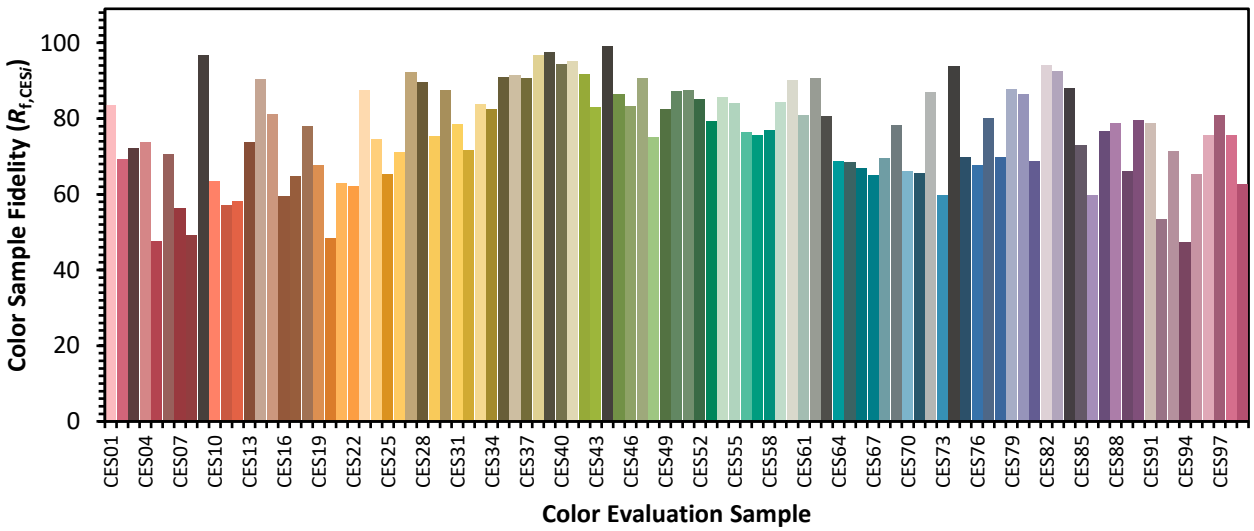


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

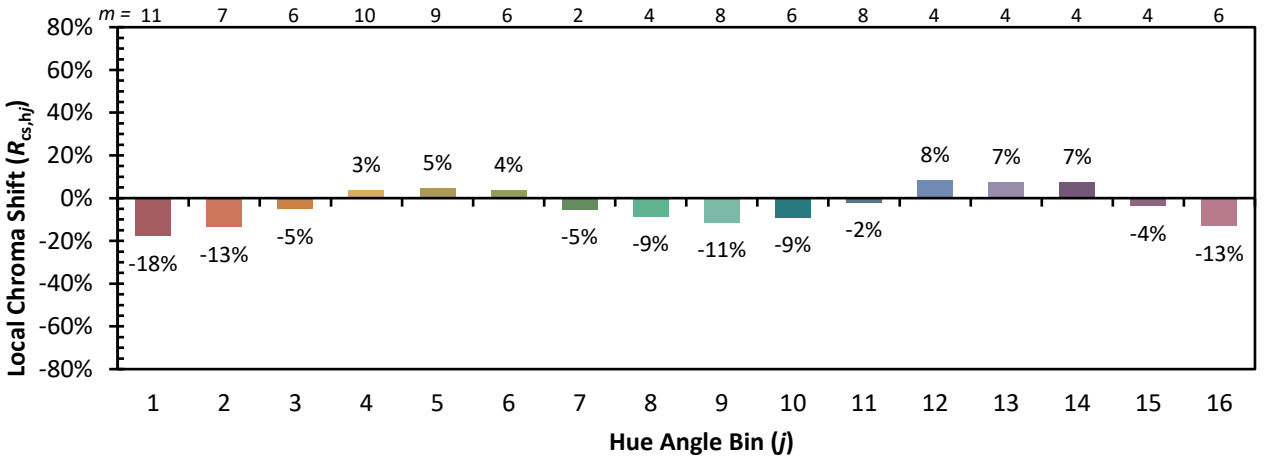
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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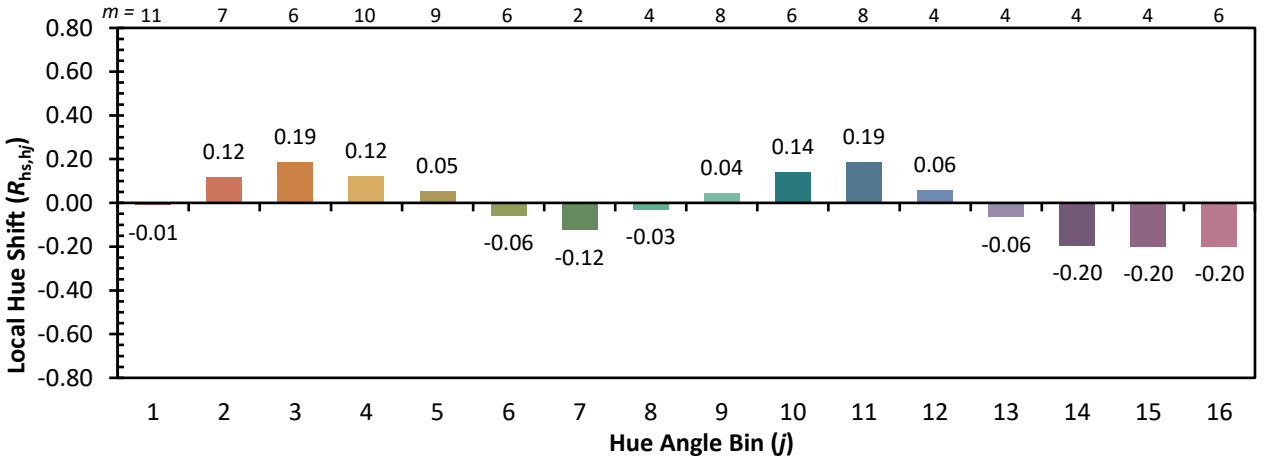


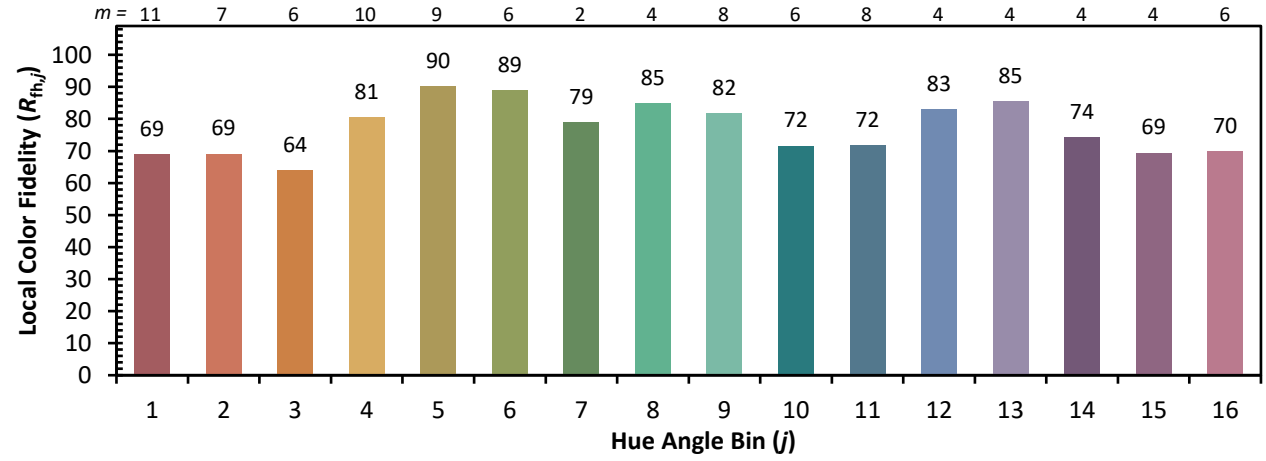
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Color Rendition by Hue-Angle Bin



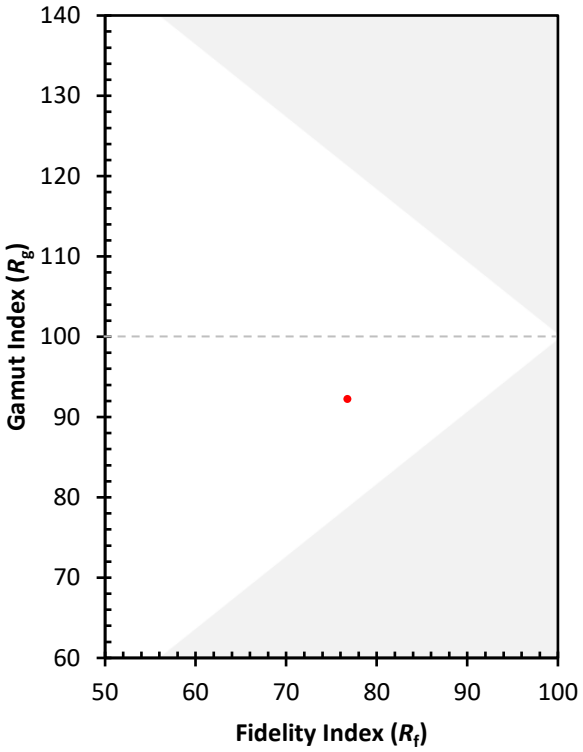


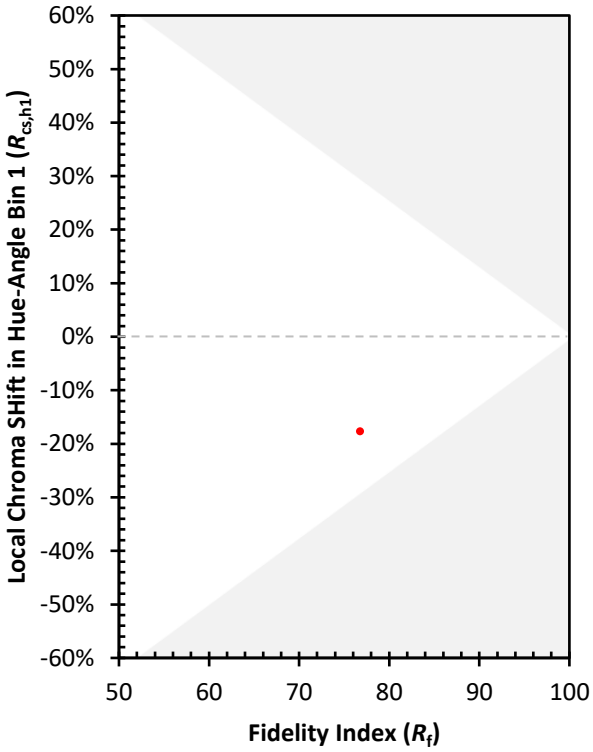


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Measure Comparisons





(END OF REPORT)