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: P1046580

Luminaire Tested: **FFX-CLB-80-750-U-FR-T3-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046580
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-750-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11724 lumens
Efficiency:	N/A
Efficacy:	143.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - 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

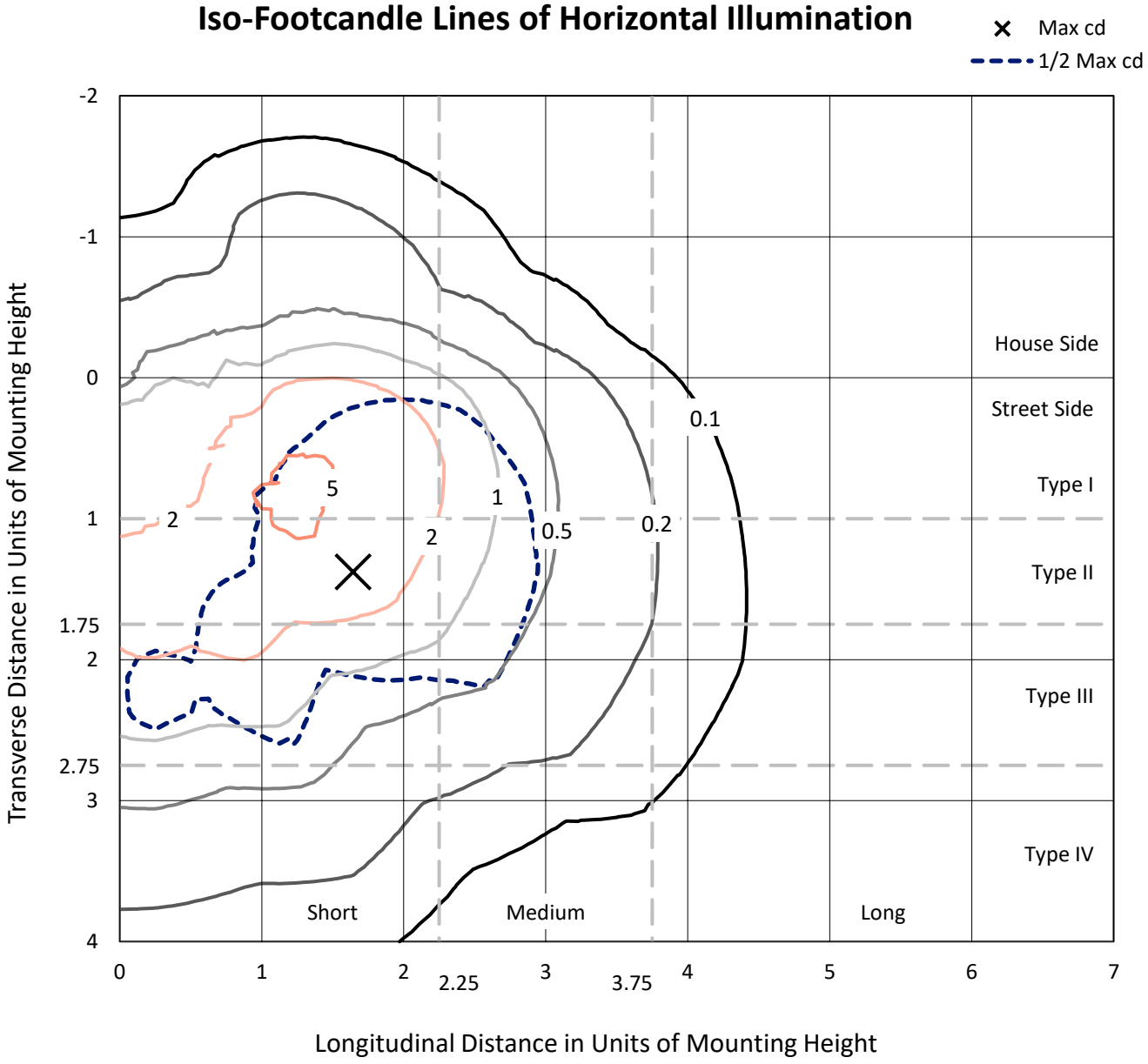


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Iso-Footcandle Lines of Horizontal Illumination



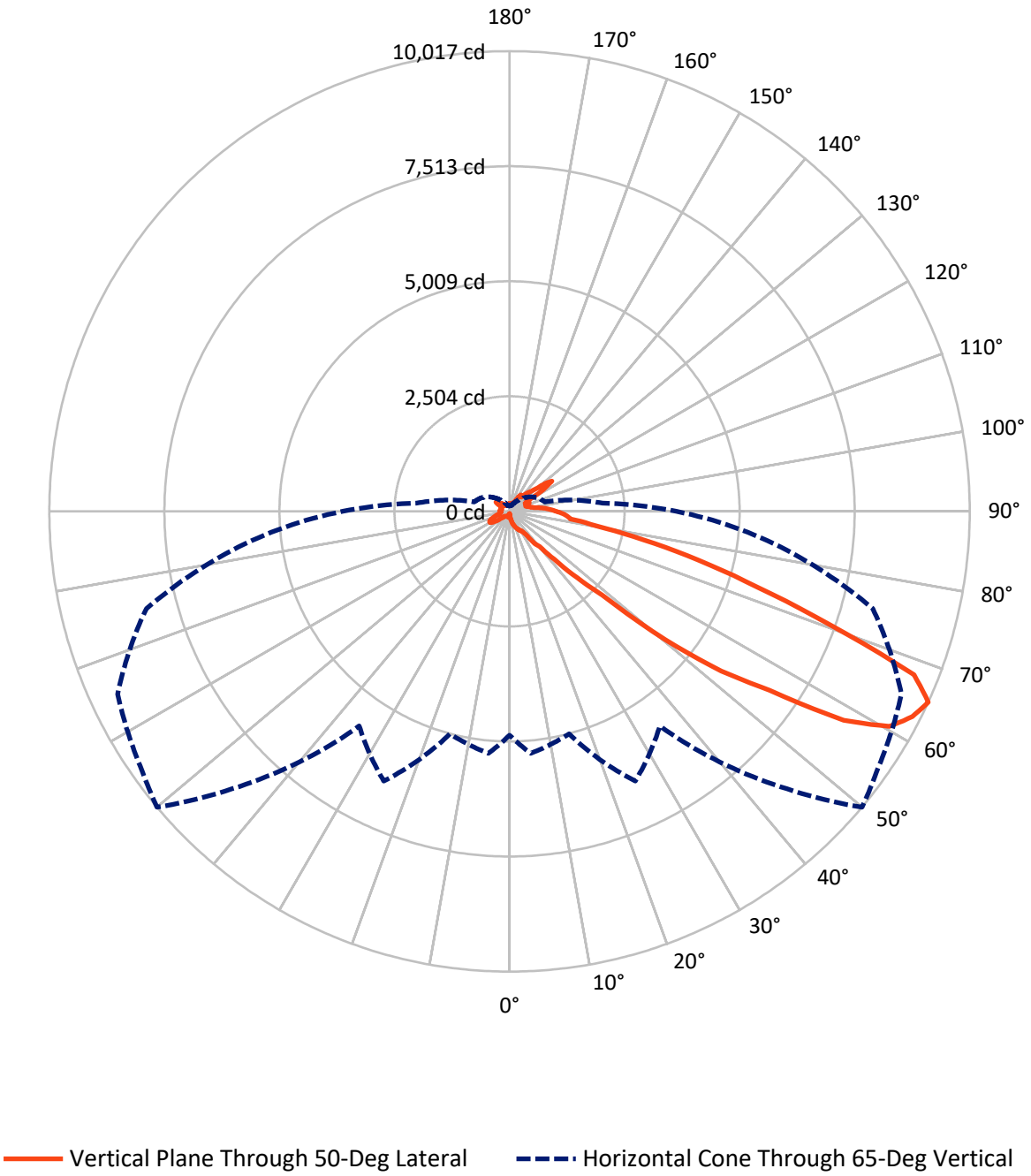
Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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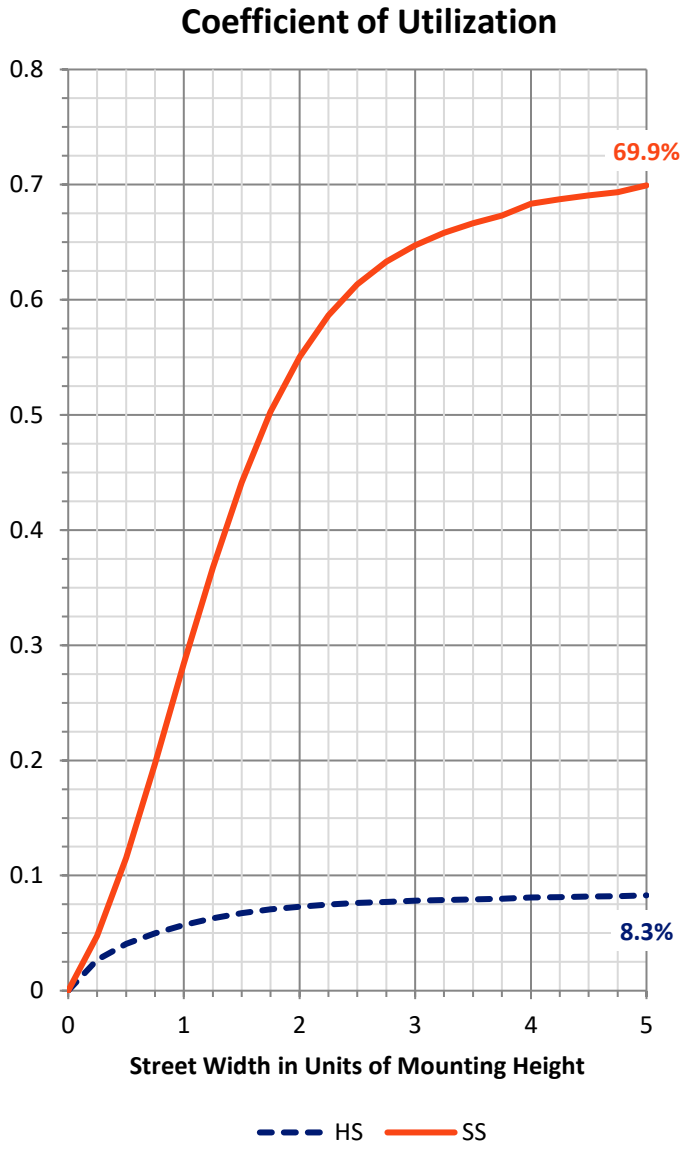
REPORT NUMBER: P1046580
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.4	677.0	1705.4
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	8480.8	1537.8	10018.7
	% Fixture	72.3	13.1	85.5
Total	Lumens	9509.2	2214.8	11724.0
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	61.2	0.5
20°-30°	130.6	1.1
30°-40°	260.8	2.2
40°-50°	683.5	5.8
50°-60°	2264.3	19.3
60°-70°	3570.9	30.5
70°-80°	1864.6	15.9
80°-90°	662.1	5.6
90°-100°	427.3	3.6
100°-110°	288.3	2.5
110°-120°	328.9	2.8
120°-130°	545.0	4.6
130°-140°	311.3	2.7
140°-150°	170.5	1.5
150°-160°	83.5	0.7
160°-170°	44.2	0.4
170°-180°	15.9	0.1
0°-90°	9509.2	81.1
0°-180°	11724.0	100.0



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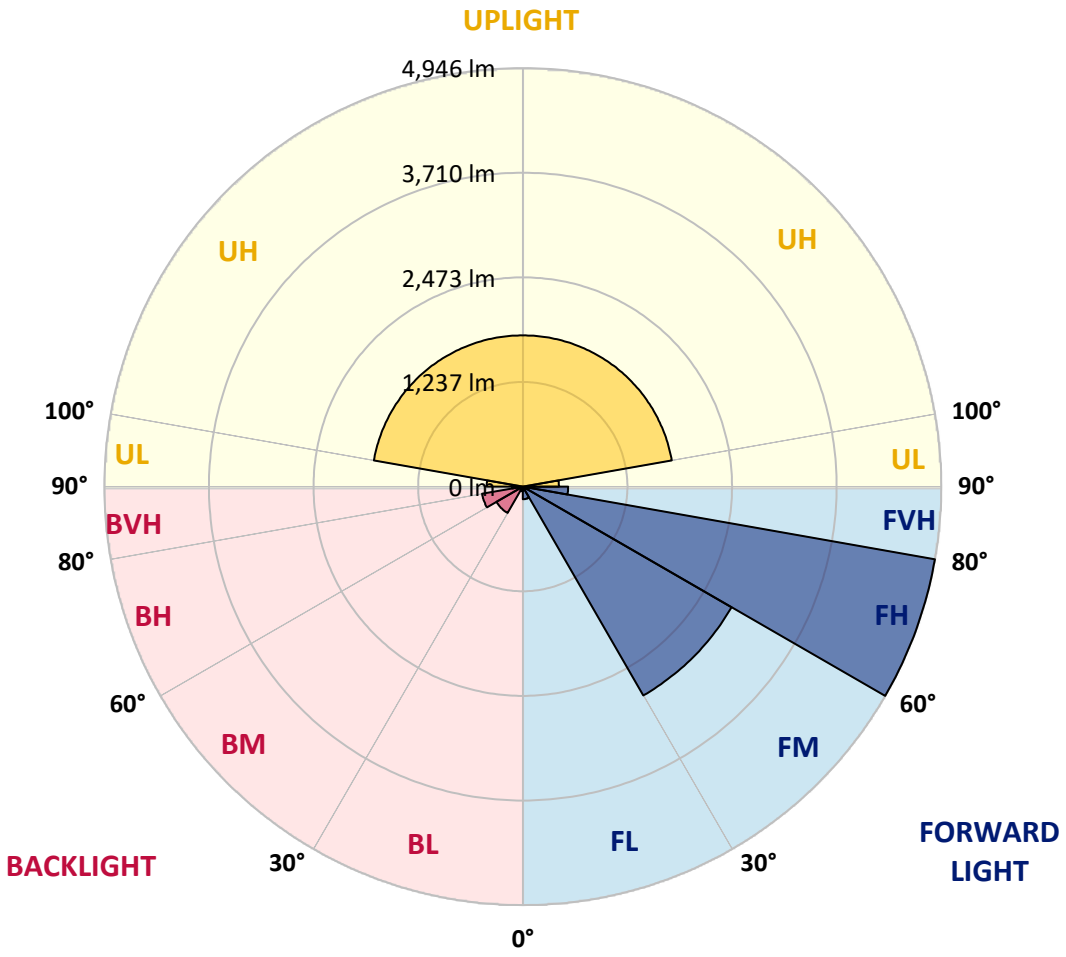
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	149.1	1.3			
FM	(30°-60°)	2849.1	24.3			
FH	(60°-80°)	4946.5	42.2			G2/5000
FVH	(80°-90°)	536.1	4.6			G4/750
BL	(0°-30°)	53.9	0.5	B0/110		
BM	(30°-60°)	359.4	3.1	B1/1000		
BH	(60°-80°)	489.0	4.2	B1/500		G1/500
BVH	(80°-90°)	126.0	1.1			G2/225
UL	(90°-100°)	427.3	3.6		U3/500	
UH	(100°-180°)	1787.5	15.2		U5	

BUG Rating: B1-U5-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	65.5	65.5	65.5	65.5	65.5	65.5	*65.5*	65.5	65.5	65.5	65.5
2.5°	79.5	78.7	80.4	82.9	82.0	79.5	*77.9*	77.1	74.6	73.7	71.3
5°	117.7	116.8	115.2	116.8	117.7	114.3	*112.7*	108.5	104.4	96.9	92.8
7.5°	164.9	165.7	167.4	163.2	161.6	154.1	*152.5*	148.3	141.7	132.6	130.1
10°	223.7	224.5	228.7	222.1	211.3	202.2	*200.5*	202.2	209.6	186.4	172.3
12.5°	281.7	279.2	291.7	288.3	274.3	261.0	*254.4*	255.2	251.9	234.5	211.3
15°	335.6	335.6	344.7	348.0	333.1	302.4	*292.5*	290.0	288.3	270.1	237.8
17.5°	369.5	371.2	372.0	372.0	367.1	341.4	*329.8*	324.8	309.9	293.3	263.5
20°	397.7	398.5	391.1	391.9	399.4	377.0	*365.4*	355.5	339.7	322.3	285.0
22.5°	436.7	435.0	423.4	418.4	435.0	415.9	*403.5*	392.7	373.7	353.8	319.8
25°	479.7	478.1	466.5	454.1	465.7	448.3	*435.0*	425.1	407.7	394.4	324.8
27.5°	521.2	519.5	499.6	498.0	488.0	479.7	*465.7*	463.2	449.9	411.0	322.3
30°	551.8	550.2	528.6	529.5	503.8	510.4	*489.7*	488.0	472.3	420.9	328.1
32.5°	563.4	565.1	556.0	551.8	517.0	543.5	*524.5*	517.9	513.7	447.4	357.1
35°	605.7	618.9	633.0	638.0	606.5	656.2	*617.3*	612.3	622.3	544.4	445.8
37.5°	931.3	924.7	872.5	798.7	782.2	891.5	*885.7*	889.9	883.3	774.7	589.9
40°	932.1	936.3	903.1	858.4	806.2	918.1	*1003.4*	928.0	1038.2	844.3	647.1
42.5°	979.4	966.1	1044.8	1062.2	1004.2	1170.8	*1422.7*	1138.5	1376.3	1029.1	880.8
45°	1159.2	1159.2	1173.3	1181.5	1160.8	1579.3	*2066.5*	1588.4	1839.4	1287.6	1057.3
47.5°	1344.8	1329.0	1409.4	1544.5	1624.8	2032.5	*2727.7*	2098.8	2494.8	1730.9	1467.4
50°	1875.1	1897.4	2051.5	2209.0	2329.1	3025.9	*4391.4*	3596.0	4074.9	2661.4	2240.5
52.5°	2286.9	2417.8	2536.3	2977.9	3031.7	4134.6	*5772.7*	4824.8	5220.8	3739.3	2774.1
55°	2711.9	2971.3	3041.7	3821.4	3882.7	5312.8	*6872.2*	6111.6	6223.4	4930.0	3293.6
57.5°	3490.8	3852.9	3876.9	4708.8	4706.3	6844.8	*8579.9*	7958.4	7873.9	6278.1	4089.8
60°	4161.1	4573.7	4426.2	5578.8	5320.3	7974.2	*9505.4*	8879.0	8694.2	7359.4	4649.9
62.5°	4567.9	4970.6	4789.1	6152.2	5712.2	8514.4	*9840.1*	9474.7	9159.9	8014.0	5106.5
65°	*4871.2*	*5286.3*	*5014.5*	*6477.8*	*5704.7*	*8540.9*	*10017.4*	*9781.3*	*9412.6*	*8184.6*	*5206.7*
67.5°	4831.4	5236.6	4910.9	6348.5	5306.2	7777.8	*9496.3*	9202.1	8746.4	7525.9	4869.5
70°	4189.3	4433.7	4075.7	5407.3	4242.3	6016.3	*7397.5*	7227.6	6789.3	5761.1	3766.7
72.5°	3526.4	3586.9	3251.3	4232.3	3307.7	4383.1	*5621.0*	5439.6	5152.1	4275.4	2847.0
75°	2723.5	2723.5	2531.3	3173.4	2457.5	3110.5	*4254.7*	4208.3	4031.0	3208.2	2161.7
77.5°	1839.4	1743.3	1714.3	2143.5	1697.7	2052.4	*2962.1*	3071.5	3025.1	2296.8	1575.9
80°	1072.2	1095.4	1054.8	1323.2	1116.9	1342.3	*1900.7*	2044.9	2040.8	1525.4	1034.1
82.5°	836.0	852.6	810.3	952.9	852.6	1056.4	*1332.3*	1323.2	1354.7	1105.3	778.0
85°	823.6	836.0	792.1	880.8	818.6	1003.4	*1252.0*	1249.5	1242.9	1023.3	730.8
87.5°	749.0	765.6	727.5	798.7	742.4	916.4	*1137.6*	1150.9	1131.8	959.5	702.6
90°	626.4	643.8	627.2	710.1	652.1	790.5	*989.3*	999.3	982.7	855.1	633.9
92.5°	563.4	575.0	555.1	627.2	565.9	694.3	*874.1*	879.9	854.3	752.3	548.5
95°	519.5	531.1	506.3	559.3	499.6	612.3	*744.1*	763.1	725.0	634.7	467.3
97.5°	431.7	424.2	414.3	459.9	413.5	482.2	*569.2*	583.3	559.3	492.2	372.0
100°	373.7	376.2	372.0	405.2	362.9	414.3	*482.2*	488.0	478.1	429.2	336.4
102.5°	362.1	362.9	370.4	392.7	343.9	381.1	*439.1*	442.5	440.0	393.6	310.7
105°	358.8	357.9	362.1	386.1	335.6	348.8	*404.3*	406.0	397.7	366.2	290.8
107.5°	338.9	341.4	340.5	362.1	329.8	331.4	*367.1*	366.2	364.6	335.6	275.1
110°	388.6	384.5	367.1	367.9	336.4	344.7	*380.3*	376.2	367.9	350.5	299.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	552.7	541.1	521.2	455.7	422.6	445.8	*469.8*	473.9	464.8	449.1	379.5
115°	613.1	611.5	589.1	546.0	436.7	444.9	*460.7*	467.3	478.1	447.4	388.6
117.5°	502.9	530.3	495.5	501.3	439.1	386.1	*383.6*	370.4	376.2	372.9	359.6
120°	634.7	639.7	569.2	556.0	512.9	530.3	*531.1*	532.8	515.4	431.7	380.3
122.5°	892.4	892.4	912.3	948.7	926.3	894.9	*876.6*	858.4	834.4	754.8	645.5
125°	1131.8	1130.2	1119.4	1137.6	1115.3	1127.7	*1133.5*	1138.5	1112.8	1015.8	866.7
127.5°	912.3	935.5	974.4	1073.0	1010.9	993.5	*976.9*	988.5	969.4	951.2	858.4
130°	706.8	709.3	773.1	836.0	831.1	775.5	*756.5*	723.3	730.8	728.3	672.8
132.5°	604.0	607.3	644.6	680.3	710.1	669.5	*632.2*	614.8	620.6	616.5	580.8
135°	527.8	527.8	514.5	510.4	535.3	572.5	*568.4*	546.0	535.3	522.8	469.8
137.5°	456.5	454.9	430.9	417.6	437.5	485.5	*488.9*	488.9	478.1	448.3	410.1
140°	376.2	373.7	361.3	363.7	368.7	401.0	*403.5*	411.0	409.3	385.3	338.9
142.5°	285.0	285.9	304.1	324.8	336.4	406.0	*395.2*	386.9	413.5	411.8	295.8
145°	380.3	372.0	372.0	362.9	390.3	459.0	*437.5*	444.1	478.9	446.6	319.8
147.5°	348.8	353.0	353.8	352.1	386.9	391.1	*375.3*	376.2	388.6	388.6	327.3
150°	270.1	263.5	265.1	268.5	304.9	302.4	*288.3*	287.5	297.5	295.0	267.6
152.5°	213.8	212.9	212.1	215.4	245.3	232.8	*227.0*	224.5	222.9	220.4	213.8
155°	201.3	200.5	198.9	203.0	220.4	214.6	*211.3*	211.3	207.1	203.0	198.9
157.5°	179.0	178.1	179.0	187.3	197.2	190.6	*189.7*	188.9	187.3	182.3	180.6
160°	167.4	166.5	168.2	174.8	179.0	173.2	*171.5*	172.3	171.5	169.0	172.3
162.5°	158.3	158.3	158.3	162.4	164.1	159.9	*159.1*	159.9	160.7	160.7	164.9
165°	153.3	153.3	154.1	156.6	156.6	154.9	*153.3*	153.3	157.4	159.1	162.4
167.5°	156.6	156.6	157.4	158.3	158.3	156.6	*156.6*	157.4	159.9	161.6	161.6
170°	161.6	161.6	161.6	162.4	161.6	159.1	*159.1*	159.1	159.9	159.9	160.7
172.5°	167.4	167.4	167.4	166.5	164.9	164.1	*162.4*	162.4	163.2	162.4	163.2
175°	175.7	174.8	174.8	174.0	173.2	172.3	*171.5*	170.7	170.7	168.2	168.2
177.5°	179.8	179.0	179.8	179.8	179.0	177.3	*175.7*	175.7	174.8	173.2	172.3
180°	173.2	173.2	173.2	173.2	173.2	173.2	*173.2*	173.2	173.2	173.2	173.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	69.6	67.1	60.5	54.7	50.5	48.9	48.9	46.4	43.1	40.6	39.8
5°	92.0	90.3	87.8	84.5	77.1	67.1	58.8	55.5	53.9	53.0	52.2
7.5°	130.1	131.7	135.1	134.2	120.1	93.6	77.9	77.1	86.2	96.1	99.4
10°	168.2	166.5	177.3	186.4	151.6	106.1	80.4	77.9	90.3	107.7	110.2
12.5°	201.3	193.1	187.3	177.3	145.0	106.1	86.2	81.2	87.0	100.3	100.3
15°	226.2	215.4	191.4	168.2	139.2	109.4	89.5	86.2	86.2	82.0	82.9
17.5°	245.3	225.4	190.6	160.7	129.3	104.4	88.7	79.5	74.6	67.9	66.3
20°	267.6	253.5	207.1	165.7	127.6	101.1	86.2	75.4	69.6	67.1	66.3
22.5°	291.7	262.7	217.9	167.4	127.6	102.7	85.3	73.7	68.8	67.1	67.1
25°	294.1	269.3	223.7	174.0	131.7	106.1	87.0	74.6	69.6	67.9	67.1
27.5°	290.8	273.4	233.7	181.5	135.9	109.4	90.3	76.2	69.6	67.1	66.3
30°	303.3	289.2	245.3	186.4	140.0	113.5	93.6	79.5	71.3	66.3	65.5
32.5°	334.7	314.9	261.0	189.7	141.7	114.3	96.9	82.9	72.9	67.1	66.3
35°	417.6	399.4	321.5	201.3	141.7	116.0	99.4	85.3	74.6	67.9	67.1
37.5°	537.7	503.8	395.2	240.3	143.3	119.3	101.9	88.7	77.1	69.6	67.9
40°	570.1	481.4	335.6	215.4	146.7	122.6	106.1	92.0	80.4	72.1	71.3
42.5°	739.9	615.6	414.3	227.9	156.6	125.1	108.5	95.3	82.9	74.6	72.9
45°	792.1	616.5	420.9	263.5	183.9	135.9	112.7	97.8	84.5	76.2	75.4
47.5°	1038.2	764.8	429.2	282.5	206.3	156.6	122.6	101.1	86.2	77.9	77.1
50°	1522.1	1078.8	532.8	353.0	255.2	191.4	144.2	107.7	87.8	80.4	78.7
52.5°	1899.1	1294.2	577.5	431.7	338.9	252.7	181.5	125.1	92.8	82.0	80.4
55°	2315.0	1590.0	656.2	520.3	411.0	316.5	230.3	150.8	102.7	84.5	82.9
57.5°	2887.6	1898.3	770.6	614.0	498.8	369.5	262.7	176.5	116.0	90.3	87.0
60°	3235.6	2029.2	788.8	664.5	551.0	411.8	276.7	187.3	130.1	98.6	93.6
62.5°	3568.7	2119.5	793.8	684.4	563.4	420.1	278.4	182.3	135.1	110.2	103.6
65°	*3636.6*	*2030.0*	*795.4*	*688.5*	*548.5*	*398.5*	*269.3*	*177.3*	*129.3*	*120.1*	*121.0*
67.5°	3407.1	1803.0	737.4	658.7	508.7	355.5	241.9	169.9	127.6	118.5	121.0
70°	2678.8	1412.7	673.6	610.7	431.7	302.4	215.4	159.9	127.6	114.3	111.9
72.5°	2079.7	1207.2	690.2	580.0	369.5	270.1	194.7	149.1	123.5	113.5	111.9
75°	1614.1	1007.5	680.3	510.4	301.6	232.0	174.8	136.7	117.7	111.9	111.0
77.5°	1179.9	794.6	562.6	391.1	250.2	197.2	154.1	128.4	114.3	109.4	108.5
80°	759.0	556.0	391.9	312.4	219.6	179.8	144.2	122.6	112.7	109.4	108.5
82.5°	639.7	504.6	353.0	295.8	212.1	183.1	150.8	128.4	118.5	115.2	114.3
85°	615.6	519.5	362.9	308.2	203.0	174.8	147.5	128.4	119.3	115.2	114.3
87.5°	585.0	469.8	357.9	283.4	195.5	168.2	145.0	131.7	122.6	120.1	119.3
90°	529.5	414.3	328.1	263.5	206.3	179.0	159.9	145.8	136.7	130.9	129.3
92.5°	446.6	333.1	281.7	260.2	226.2	203.0	183.9	171.5	161.6	155.8	153.3
95°	376.2	290.8	245.3	230.3	199.7	182.3	164.1	154.9	147.5	142.5	142.5
97.5°	306.6	249.4	227.9	216.3	191.4	172.3	157.4	148.3	145.8	144.2	143.3
100°	288.3	244.4	229.5	219.6	199.7	182.3	170.7	162.4	161.6	160.7	160.7
102.5°	267.6	231.2	214.6	204.7	184.8	169.9	161.6	154.9	152.5	150.0	147.5
105°	252.7	218.7	206.3	193.1	177.3	162.4	154.1	144.2	142.5	141.7	141.7
107.5°	245.3	217.1	210.5	189.7	174.8	168.2	158.3	145.8	143.3	140.0	140.0
110°	270.9	241.1	222.1	196.4	180.6	174.8	172.3	161.6	153.3	143.3	142.5

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

Scaled Data Report

REPORT NUMBER: P1046580
CATALOG NUMBER: FFX-CLB-80-750-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	335.6	295.0	272.6	234.5	202.2	188.1	177.3	165.7	160.7	154.1	151.6
115°	361.3	319.8	291.7	253.5	216.3	191.4	175.7	174.0	169.0	164.9	169.0
117.5°	370.4	290.8	240.3	231.2	203.0	183.1	175.7	173.2	174.8	174.8	167.4
120°	399.4	314.0	295.0	283.4	230.3	198.0	181.5	189.7	188.1	178.1	178.1
122.5°	595.7	531.9	469.0	391.1	324.8	286.7	230.3	193.1	185.6	179.0	174.8
125°	784.7	727.5	628.9	525.3	411.0	304.1	228.7	202.2	188.1	179.8	181.5
127.5°	799.6	739.1	626.4	499.6	367.1	284.2	230.3	207.1	191.4	182.3	180.6
130°	624.7	581.7	497.1	404.3	311.5	254.4	212.9	189.7	175.7	167.4	165.7
132.5°	552.7	516.2	428.4	347.2	284.2	236.1	200.5	174.8	164.9	159.1	158.3
135°	441.6	411.0	352.1	308.2	264.3	224.5	188.9	164.9	155.8	154.9	153.3
137.5°	386.9	362.1	316.5	280.1	243.6	205.5	175.7	155.8	151.6	152.5	150.0
140°	315.7	304.9	279.2	247.7	208.8	169.0	148.3	141.7	148.3	151.6	151.6
142.5°	270.9	256.9	227.9	191.4	166.5	148.3	145.8	143.3	146.7	148.3	148.3
145°	249.4	232.8	208.8	195.5	183.9	168.2	154.9	143.3	140.0	140.9	140.9
147.5°	281.7	262.7	246.9	222.1	193.9	167.4	147.5	134.2	134.2	137.5	138.4
150°	233.7	217.1	206.3	192.2	170.7	149.1	135.1	128.4	130.9	137.5	138.4
152.5°	195.5	175.7	169.0	160.7	149.1	137.5	130.9	127.6	131.7	136.7	136.7
155°	190.6	173.2	164.9	156.6	145.8	135.9	130.1	128.4	132.6	135.9	136.7
157.5°	179.0	169.0	158.3	151.6	143.3	135.9	131.7	130.1	133.4	135.9	136.7
160°	172.3	166.5	154.1	148.3	140.9	135.9	135.1	135.1	136.7	137.5	137.5
162.5°	164.9	161.6	154.1	149.1	144.2	141.7	143.3	144.2	144.2	143.3	143.3
165°	162.4	160.7	154.1	150.0	147.5	148.3	151.6	152.5	150.0	148.3	148.3
167.5°	161.6	161.6	156.6	153.3	152.5	154.1	157.4	157.4	154.9	151.6	150.8
170°	161.6	162.4	160.7	160.7	159.1	159.9	160.7	160.7	159.1	157.4	156.6
172.5°	164.1	164.1	164.1	164.1	163.2	164.1	164.9	164.9	164.9	164.1	164.1
175°	168.2	168.2	168.2	167.4	166.5	166.5	167.4	168.2	169.0	169.0	169.0
177.5°	172.3	171.5	170.7	171.5	170.7	170.7	172.3	173.2	174.0	174.0	174.0
180°	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

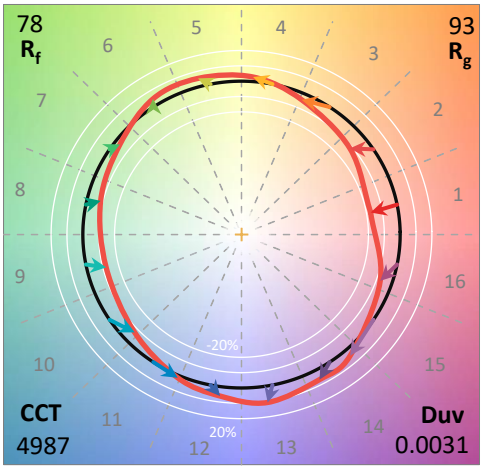
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

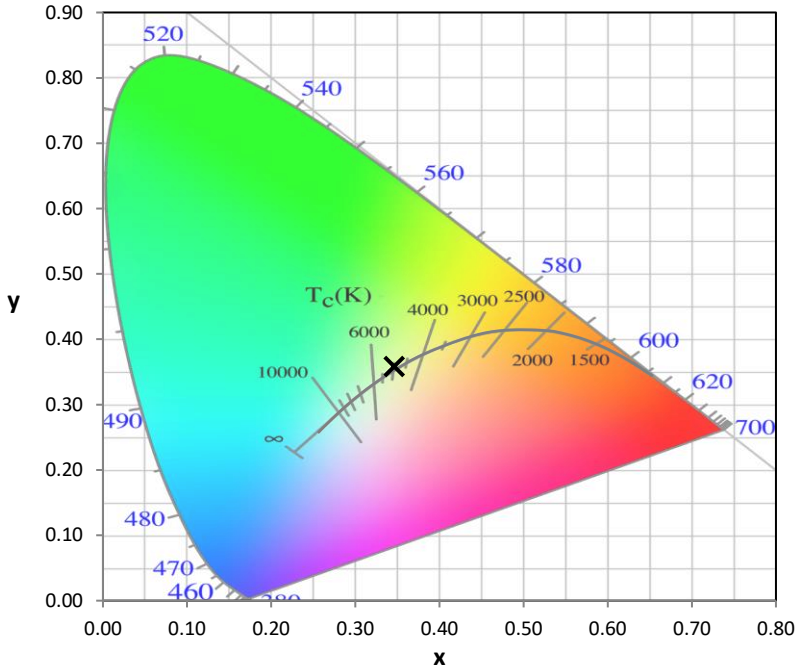
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

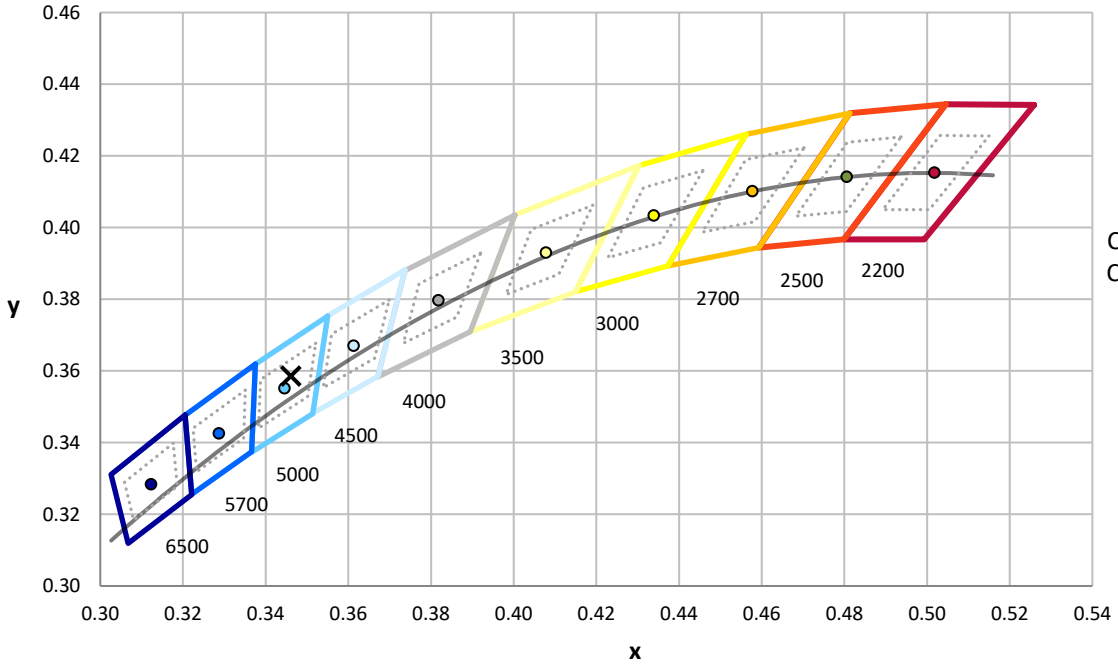
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

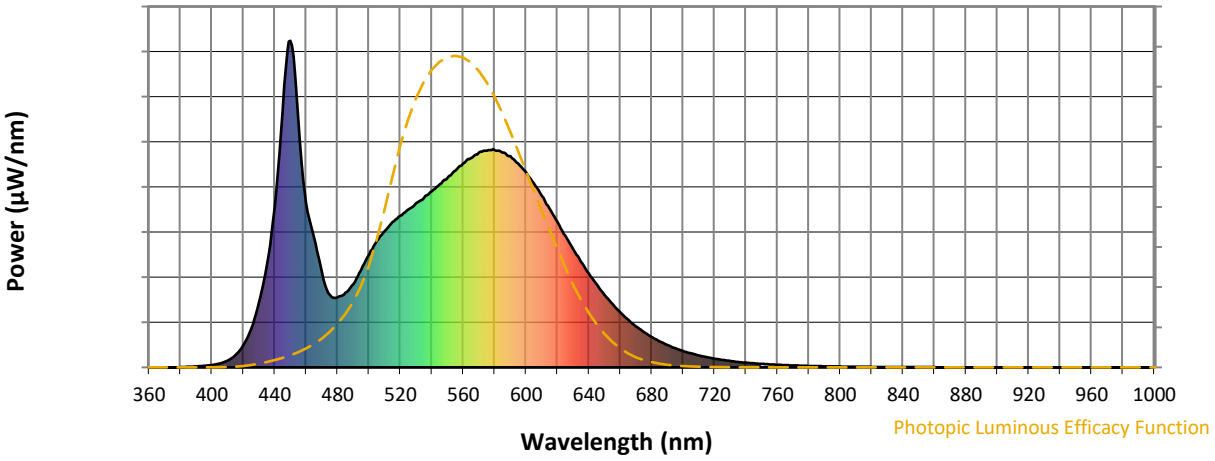


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

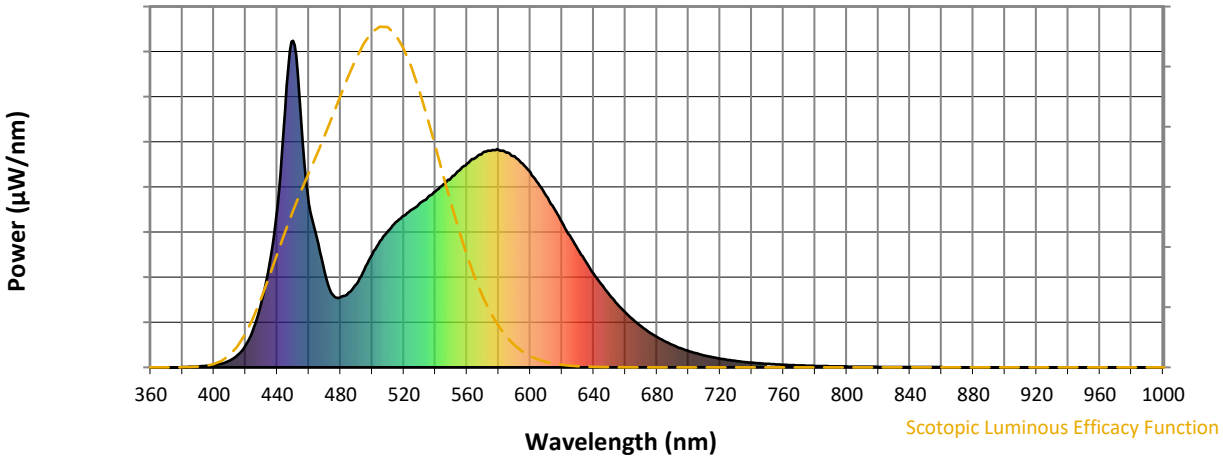


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

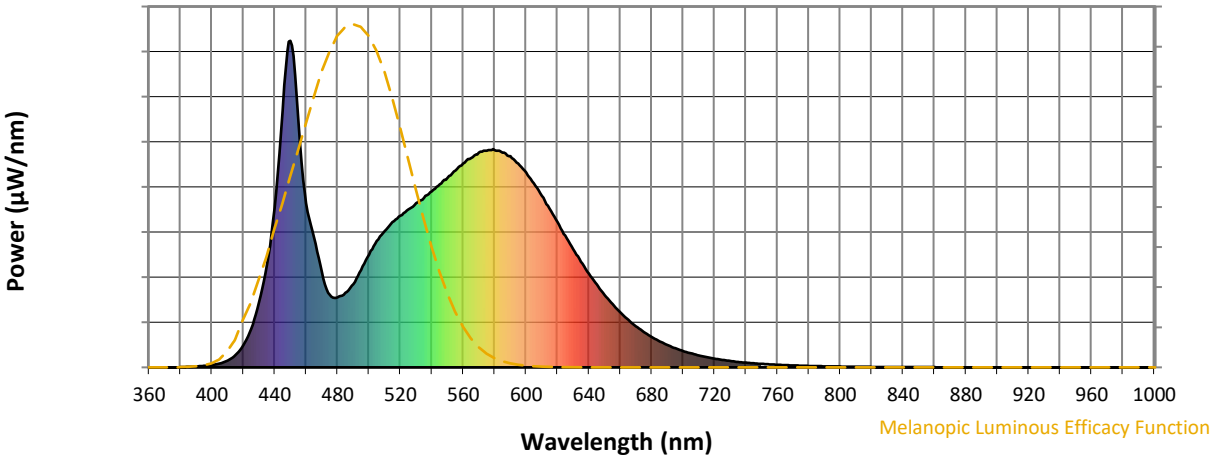


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

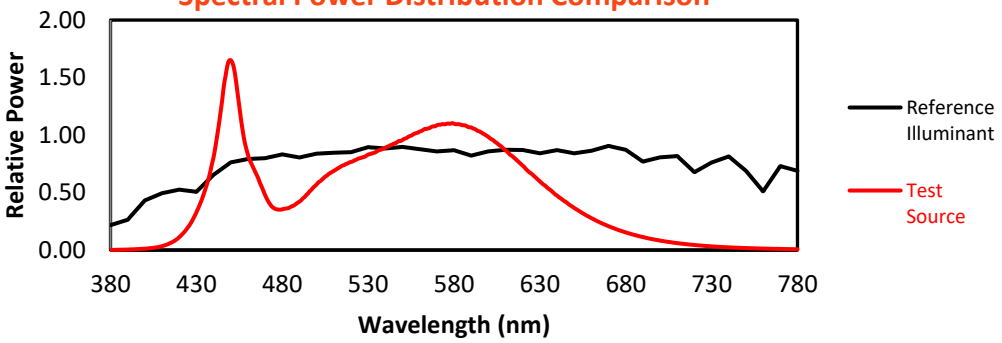
REPORT NUMBER: SP1-2501-332-5

TM-30-18

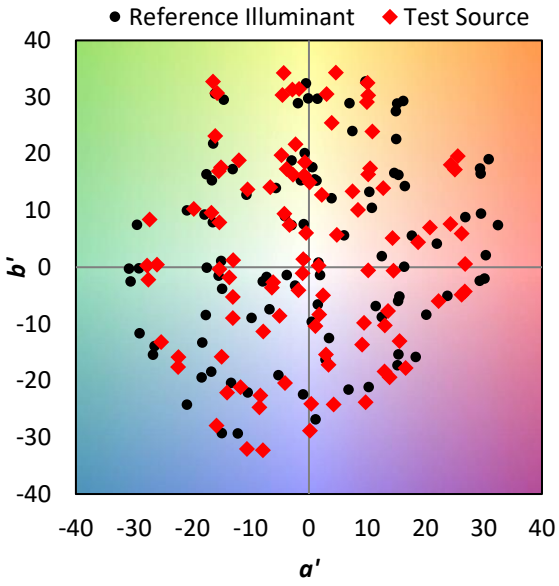
Summary

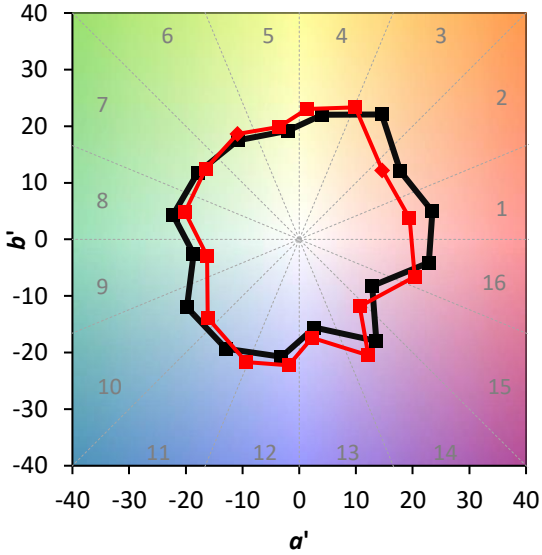
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

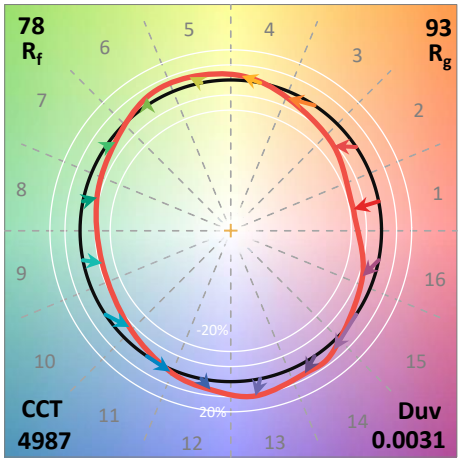
Spectral Power Distribution Comparison

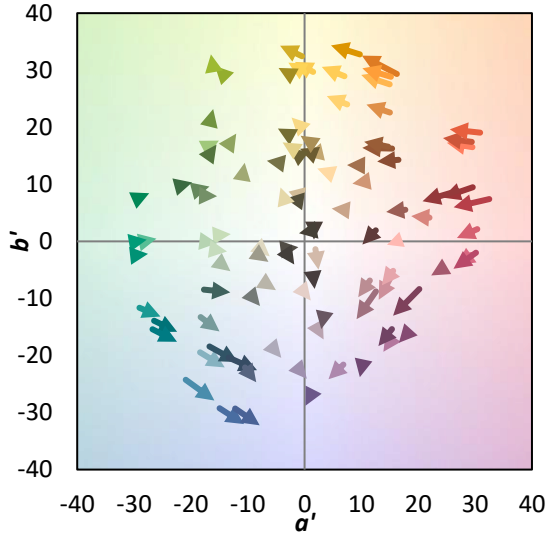


Color Vector Graphics







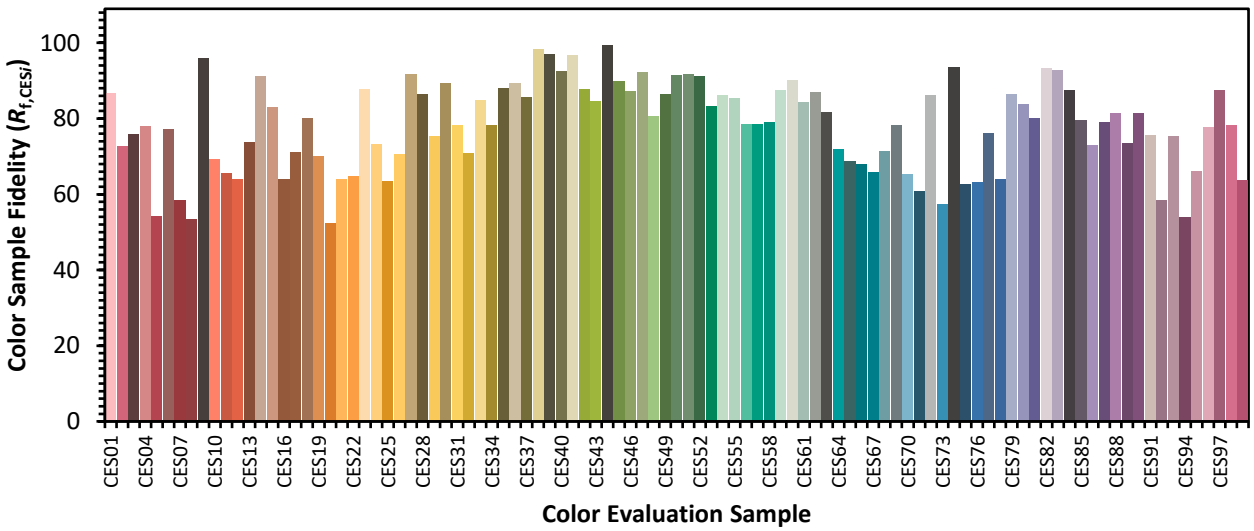


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

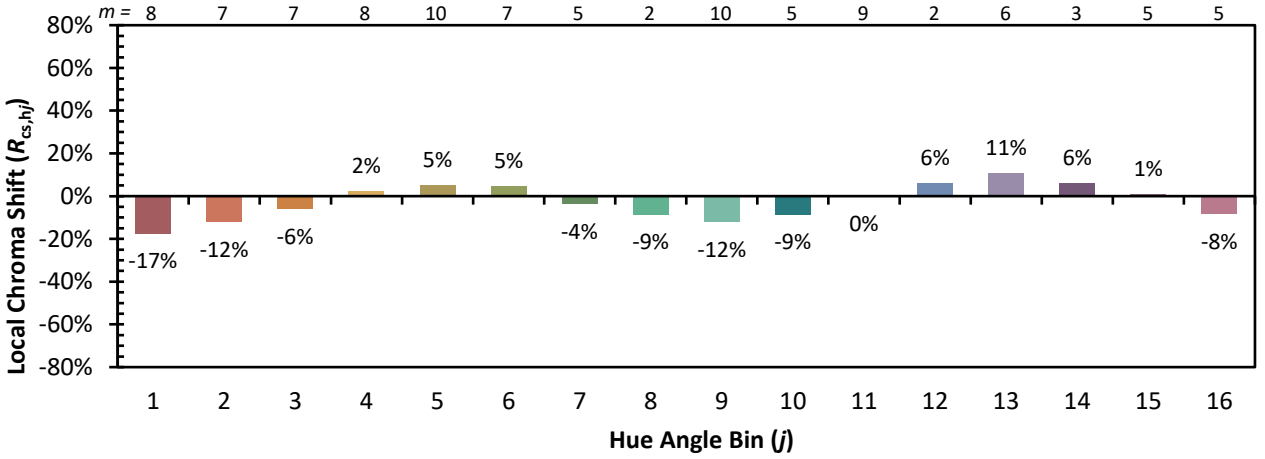
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

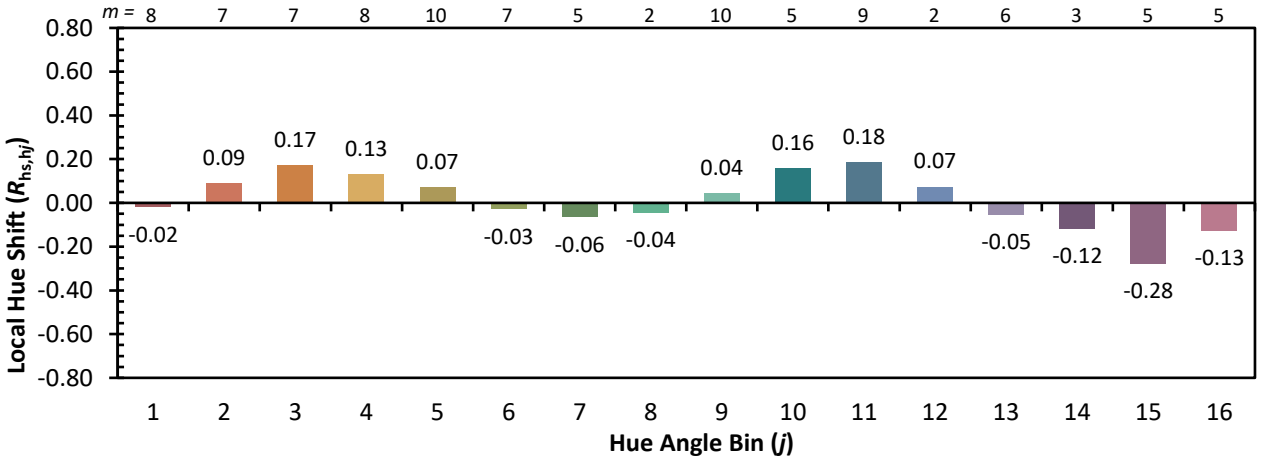


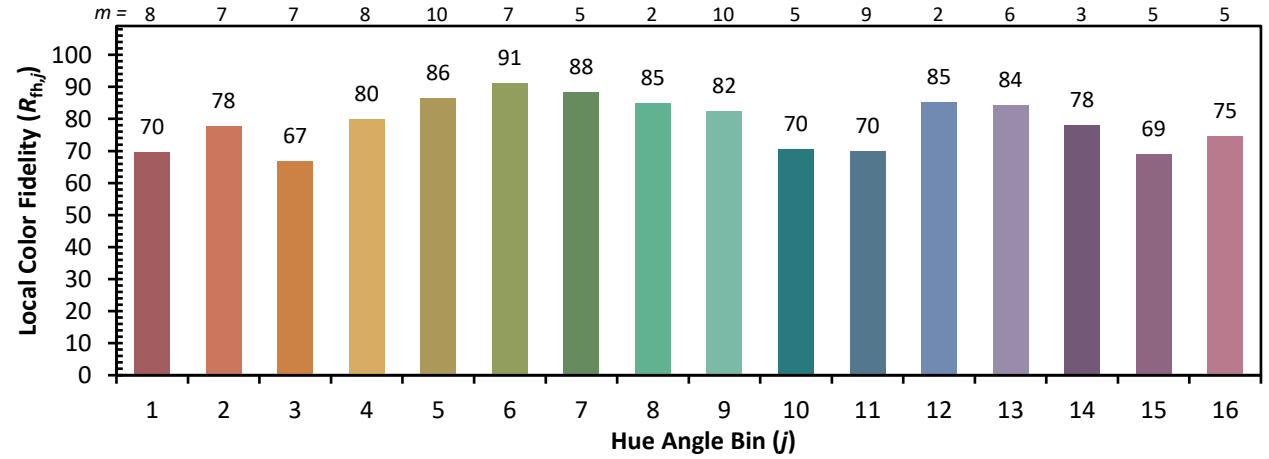
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Color Rendition by Hue-Angle Bin



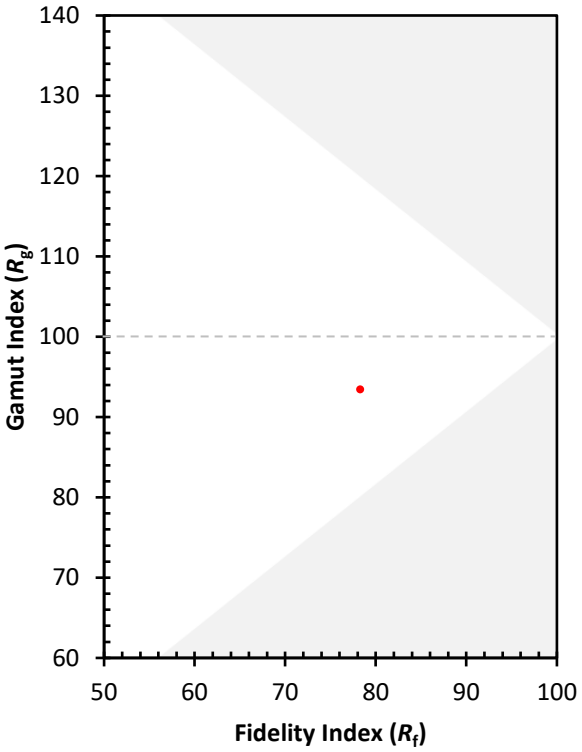


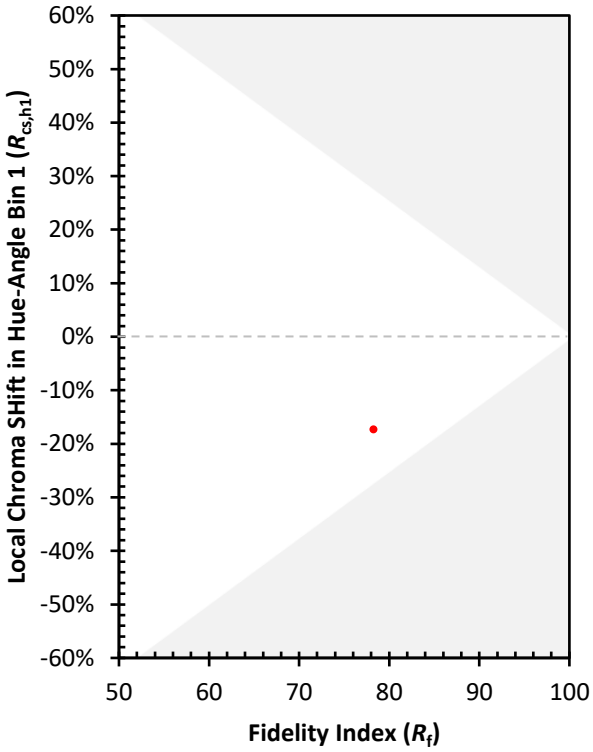


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Measure Comparisons





(END OF REPORT)