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: P1045872

Luminaire Tested: **FFX-CLB-50-722-U-VM9-T5-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:	P1045872
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-722-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4560.1 lumens
Efficiency:	N/A
Efficacy:	90.1 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):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

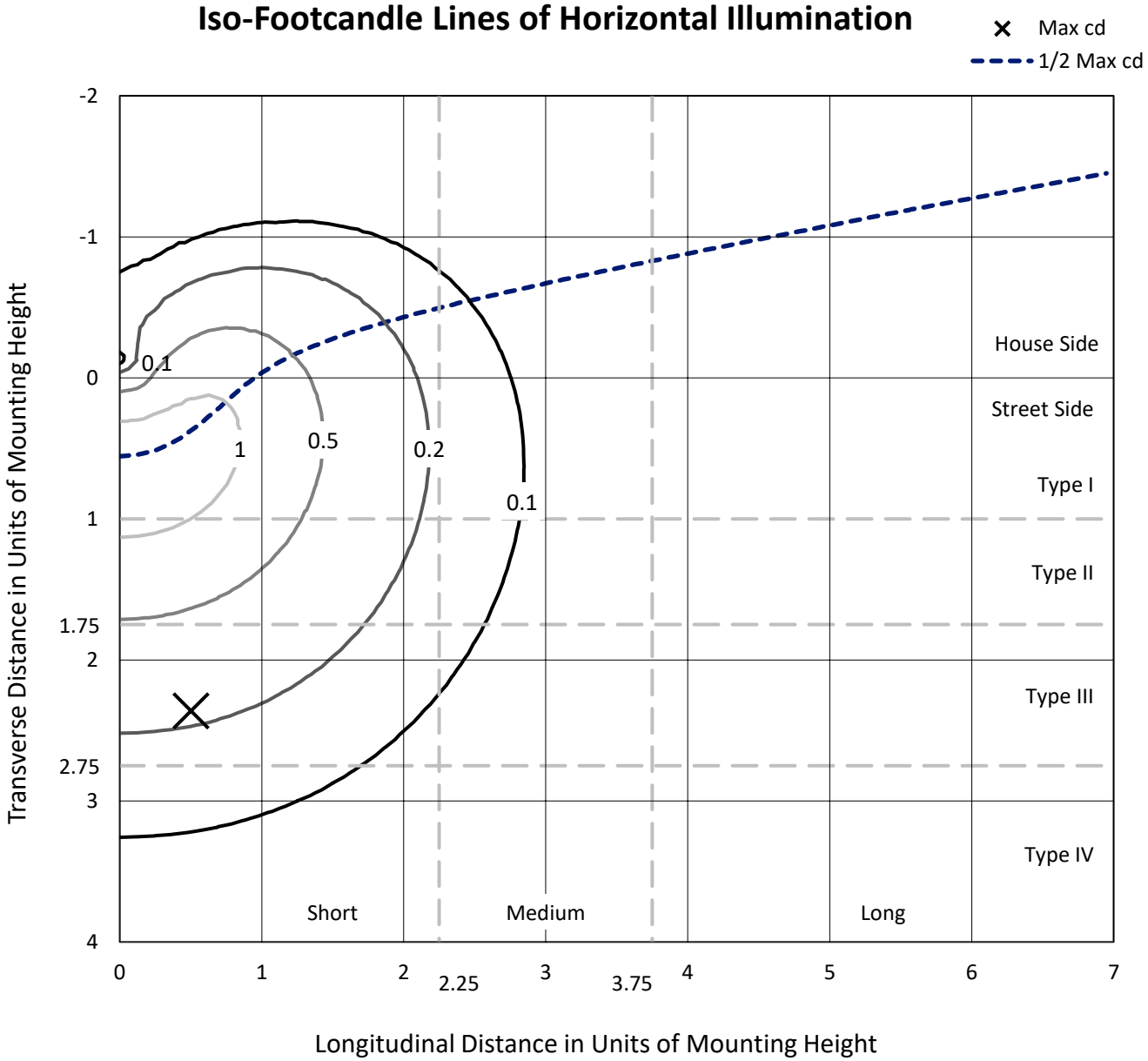


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Iso-Footcandle Lines of Horizontal Illumination



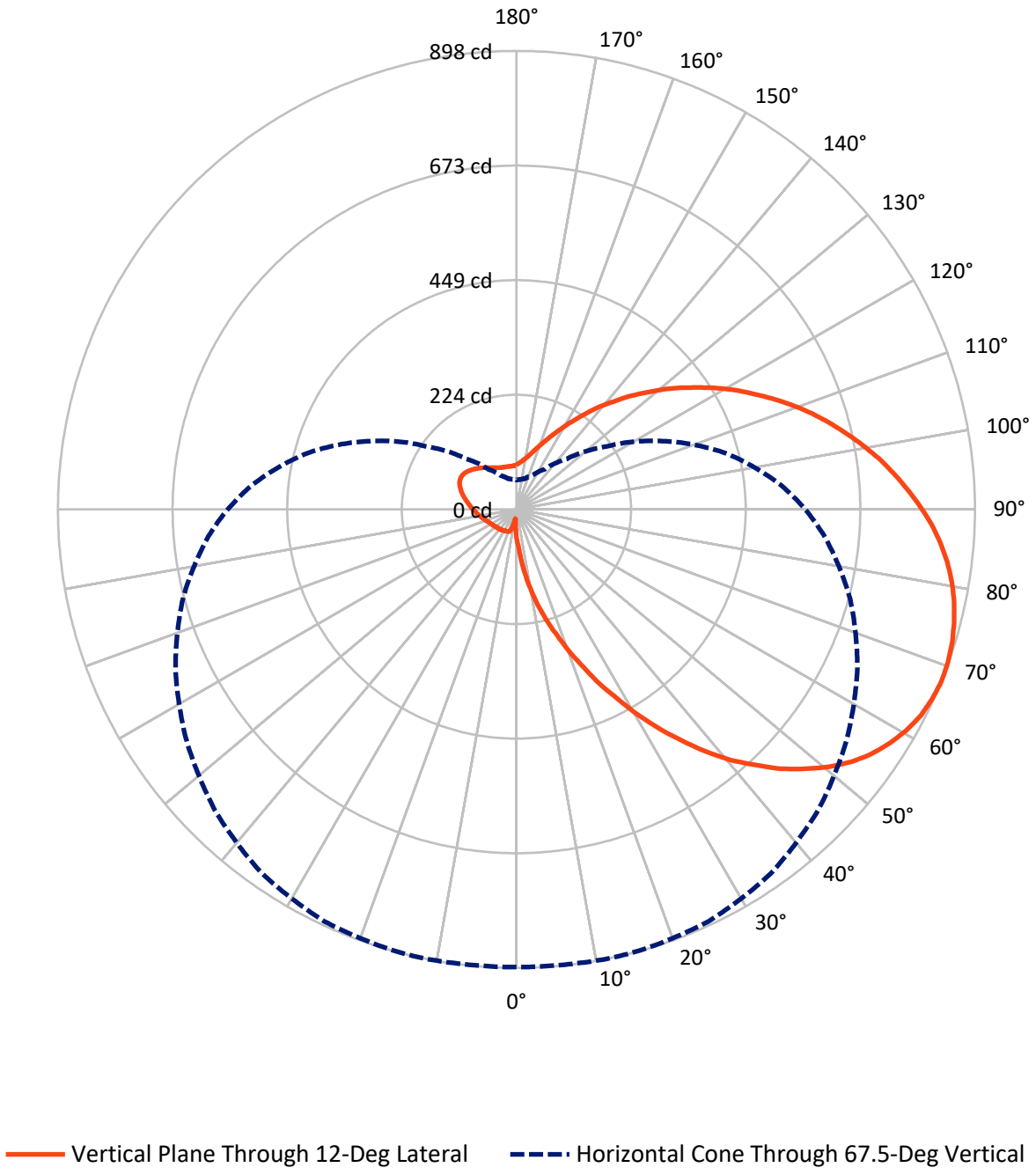
Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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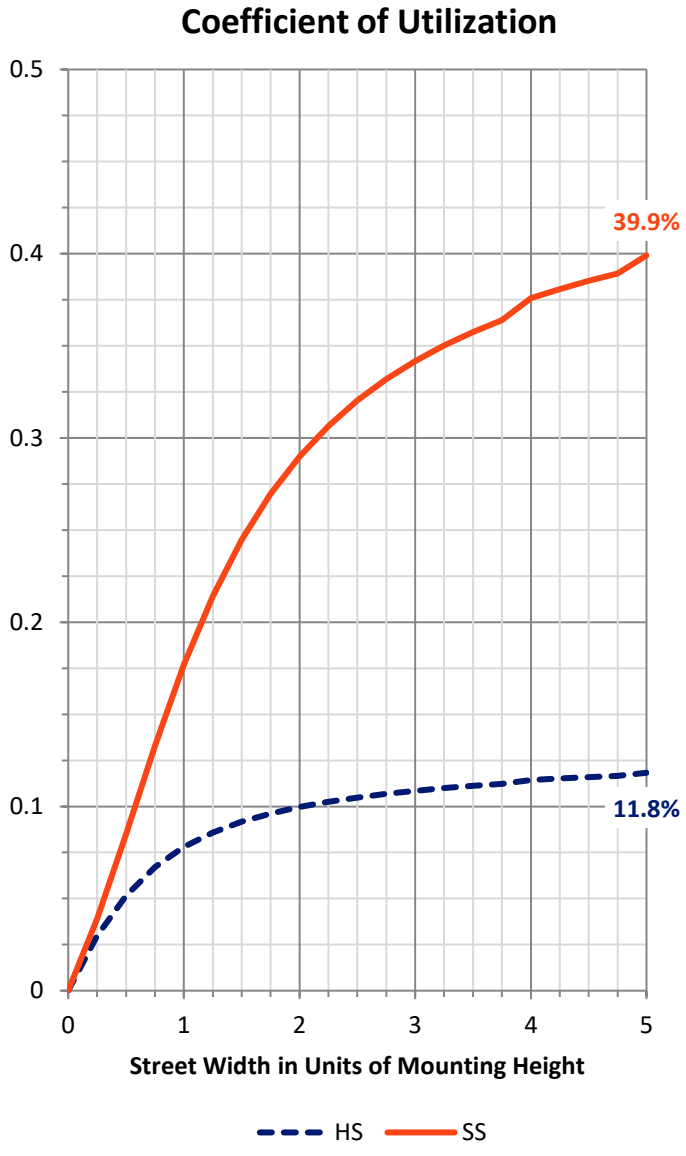
REPORT NUMBER: P1045872
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.8	568.0	1154.8
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	2074.8	1330.4	3405.3
	% Fixture	45.5	29.2	74.7
Total	Lumens	2661.7	1898.4	4560.1
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.2
10°-20°	40.6	0.9
20°-30°	105.8	2.3
30°-40°	205.4	4.5
40°-50°	322.5	7.1
50°-60°	428.1	9.4
60°-70°	498.9	10.9
70°-80°	530.0	11.6
80°-90°	523.3	11.5
90°-100°	482.5	10.6
100°-110°	421.1	9.2
110°-120°	346.2	7.6
120°-130°	262.1	5.7
130°-140°	179.0	3.9
140°-150°	109.7	2.4
150°-160°	60.2	1.3
160°-170°	29.0	0.6
170°-180°	8.6	0.2
0°-90°	2661.7	58.4
0°-180°	4560.1	100.0



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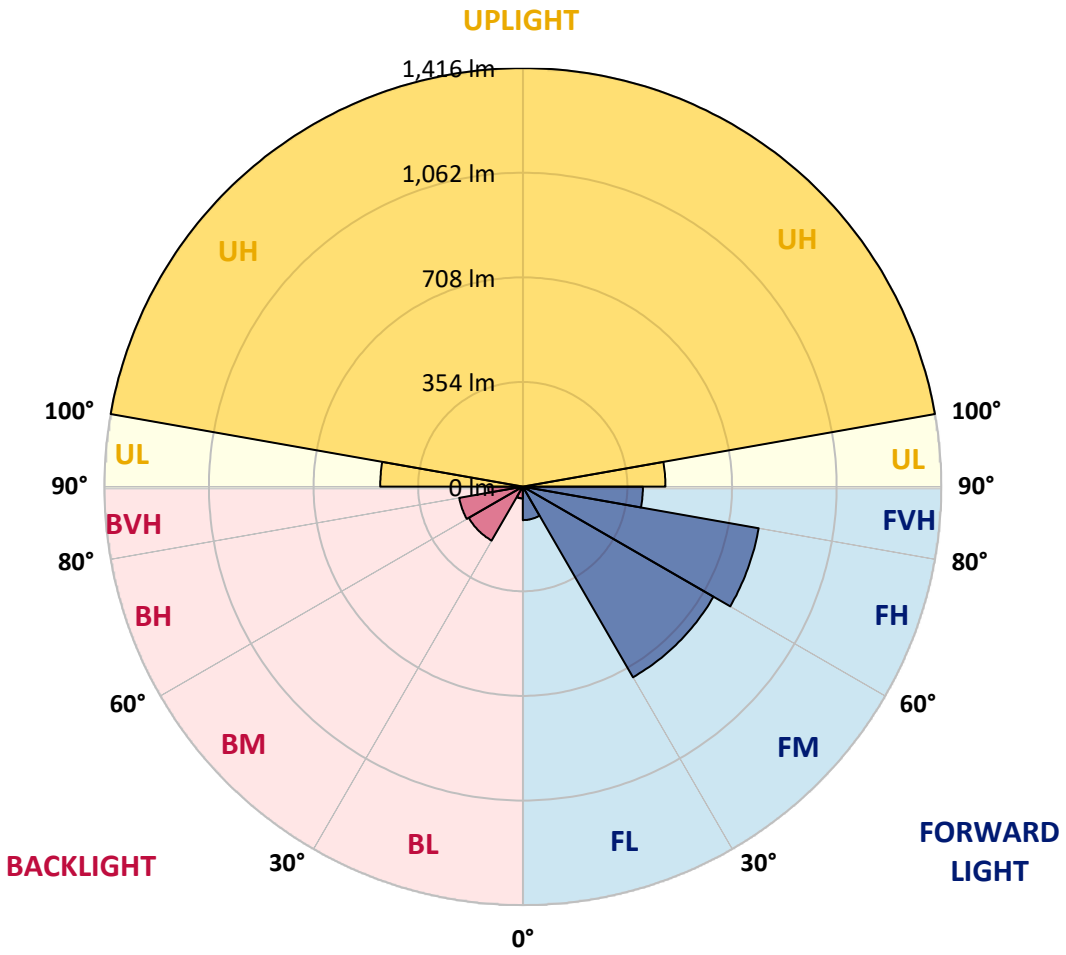
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	113.3	2.5			
FM	(30°-60°)	745.0	16.3			
FH	(60°-80°)	810.3	17.8			G1/1800
FVH	(80°-90°)	406.2	8.9			G3/500
BL	(0°-30°)	40.2	0.9	B0/110		
BM	(30°-60°)	211.0	4.6	B0/220		
BH	(60°-80°)	218.5	4.8	B1/500		G1/500
BVH	(80°-90°)	117.1	2.6			G2/225
UL	(90°-100°)	482.5	10.6		U3/500	
UH	(100°-180°)	1415.9	31.1		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	57.7	57.7	*57.7*	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2.5°	72.2	73.7	*72.2*	74.2	73.2	73.2	70.7	68.2	64.7	60.7	57.2
5°	102.3	101.8	*99.8*	101.8	99.8	97.3	93.3	86.8	80.3	74.2	66.7
7.5°	133.4	133.9	*132.4*	131.9	127.4	123.9	117.4	110.9	102.8	93.8	84.8
10°	167.1	166.0	*163.5*	164.0	159.0	152.0	144.5	137.0	127.9	117.4	105.8
12.5°	198.2	198.2	*196.1*	196.6	191.1	183.1	177.1	167.1	156.0	143.5	129.4
15°	231.3	229.3	*228.3*	228.3	222.7	215.7	209.2	198.2	185.1	171.1	155.0
17.5°	261.9	261.4	*260.4*	260.9	255.8	249.8	239.3	228.3	212.7	195.6	179.1
20°	301.0	299.0	*297.5*	295.0	292.0	283.9	273.9	259.4	243.8	225.2	203.2
22.5°	336.6	339.1	*335.1*	333.1	329.1	322.6	308.0	294.0	275.4	253.8	229.8
25°	377.7	379.8	*378.2*	375.7	370.2	361.2	347.6	332.1	310.0	285.4	256.8
27.5°	420.9	422.4	*418.4*	419.4	409.9	401.3	387.8	368.7	347.6	318.6	288.5
30°	463.5	466.5	*465.0*	461.5	453.5	446.0	429.9	409.9	385.8	353.7	319.1
32.5°	513.7	510.2	*510.7*	506.7	501.7	489.6	475.6	453.0	424.9	390.8	351.2
35°	560.3	558.8	*554.8*	556.8	548.3	537.3	519.7	495.6	465.0	427.4	383.8
37.5°	602.0	603.5	*601.0*	599.5	594.0	581.4	560.9	536.3	501.2	461.5	413.9
40°	644.6	645.6	*645.1*	645.1	637.6	623.6	602.5	574.9	538.8	496.1	444.5
42.5°	685.3	686.3	*683.8*	684.3	678.2	663.7	641.1	612.0	571.9	527.2	471.1
45°	724.4	724.4	*724.4*	723.9	715.4	701.8	678.7	645.6	605.5	554.8	495.6
47.5°	760.5	759.5	*759.0*	759.0	753.5	737.4	712.9	676.7	633.1	579.9	519.7
50°	792.6	793.1	*792.6*	791.6	783.1	770.0	742.4	704.8	658.7	604.0	539.8
52.5°	820.2	820.7	*821.2*	818.7	813.2	797.6	767.0	726.9	680.2	623.1	556.3
55°	842.3	843.3	*844.3*	843.3	837.8	819.2	788.6	748.0	697.8	639.1	570.9
57.5°	862.8	862.3	*862.8*	861.8	855.8	837.8	806.2	762.5	711.8	652.2	581.9
60°	876.9	877.4	*877.4*	877.4	870.4	851.8	818.2	773.6	721.9	662.2	591.5
62.5°	886.4	886.9	*888.4*	887.4	880.9	861.3	826.7	781.6	729.4	668.7	598.0
65°	892.9	893.4	*894.5*	893.4	887.4	867.4	832.2	786.6	734.4	673.7	602.5
67.5°	*896.0*	*896.0*	*897.5*	*897.0*	*889.9*	*869.4*	*834.3*	*788.6*	*736.4*	*676.2*	*605.5*
70°	894.5	895.0	*896.0*	895.5	888.4	867.9	832.7	787.6	735.9	676.2	606.0
72.5°	890.9	890.9	*891.9*	890.9	884.4	863.9	829.2	784.6	733.4	675.2	605.5
75°	883.9	884.4	*884.9*	884.4	877.4	857.3	823.2	779.1	729.4	671.7	603.5
77.5°	875.4	875.9	*875.9*	875.9	868.4	848.3	815.2	772.0	723.9	667.7	600.0
80°	862.8	863.3	*864.4*	863.3	855.8	837.8	804.7	763.5	716.9	661.2	595.5
82.5°	848.8	848.3	*849.8*	849.3	841.8	823.7	791.1	752.0	706.3	653.7	588.9
85°	831.2	831.2	*832.2*	831.2	824.7	805.7	775.1	737.9	694.3	642.6	580.9
87.5°	811.7	811.7	*812.7*	810.7	803.2	786.6	757.5	721.4	681.2	631.6	571.9
90°	788.6	789.6	*789.6*	788.1	780.6	764.5	737.9	703.3	664.2	618.0	561.4
92.5°	766.5	766.5	*765.5*	765.5	757.5	741.4	716.9	685.3	648.6	604.5	549.8
95°	743.0	743.0	*741.4*	740.4	732.4	718.9	695.3	666.2	631.1	590.4	538.3
97.5°	717.9	717.4	*716.4*	715.4	707.3	694.3	673.2	645.1	613.0	574.4	525.7
100°	692.3	692.8	*689.3*	688.8	680.7	669.7	649.6	623.6	594.0	557.8	512.2
102.5°	664.2	665.2	*662.2*	661.7	653.7	641.6	625.6	602.0	575.4	542.3	498.6
105°	639.1	636.6	*635.1*	634.1	627.1	616.0	599.0	580.4	555.3	524.2	483.6
107.5°	610.5	611.0	*608.0*	606.0	599.0	589.9	574.9	557.8	535.8	506.2	469.0
110°	581.9	580.9	*579.4*	578.4	570.4	562.4	549.3	535.3	513.7	488.1	453.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	552.3	552.8	*550.3*	548.8	543.3	534.8	525.2	511.7	493.1	469.0	436.4
115°	524.7	523.7	*521.7*	520.7	514.7	508.2	498.6	488.6	472.1	449.0	419.4
117.5°	496.6	494.6	*494.1*	492.6	488.1	481.6	474.1	465.5	449.5	429.4	401.3
120°	467.5	467.5	*466.5*	465.5	459.5	454.0	449.5	440.5	426.9	407.8	383.8
122.5°	440.5	440.0	*437.9*	436.4	433.4	428.4	422.9	415.9	403.8	386.8	363.7
125°	410.9	411.9	*410.4*	409.9	404.8	402.3	397.3	392.8	380.3	364.7	344.1
127.5°	386.3	384.8	*384.8*	382.3	379.8	377.2	373.2	367.2	358.7	342.6	323.6
130°	360.2	359.2	*357.7*	357.7	354.7	351.2	348.7	343.6	334.1	321.1	303.0
132.5°	334.1	333.1	*332.1*	330.6	328.6	328.1	325.6	320.1	311.0	299.5	283.9
135°	309.5	309.0	*308.5*	308.5	305.5	304.0	301.0	296.5	290.5	279.9	264.9
137.5°	286.4	284.9	*283.9*	283.9	282.9	280.4	277.9	274.4	267.9	259.4	245.8
140°	262.4	263.4	*263.4*	262.9	260.9	259.4	256.3	253.3	246.8	239.8	228.3
142.5°	242.3	241.8	*240.8*	240.3	239.3	237.3	235.8	232.3	228.3	220.7	210.7
145°	220.7	220.7	*220.2*	220.7	218.7	218.2	216.2	213.2	208.7	202.2	193.6
147.5°	201.7	201.7	*201.2*	201.7	200.2	198.7	197.2	195.1	191.1	186.1	178.6
150°	184.1	184.6	*183.6*	183.6	183.1	181.6	180.6	177.6	174.6	170.6	164.0
152.5°	168.1	168.6	*168.1*	167.6	167.1	166.0	164.5	162.5	159.5	156.0	150.5
155°	154.5	154.0	*154.0*	154.0	153.5	152.0	152.0	149.0	146.0	143.5	138.0
157.5°	141.5	141.5	*141.5*	141.5	140.5	140.0	139.0	136.5	134.9	131.4	127.4
160°	130.9	130.4	*130.4*	130.4	129.4	128.9	127.4	126.4	124.4	121.4	118.4
162.5°	120.4	120.9	*120.9*	120.9	119.9	119.4	118.4	117.4	115.9	112.9	110.9
165°	112.4	112.4	*112.4*	111.9	111.4	111.4	109.9	109.4	107.9	105.8	104.3
167.5°	105.8	105.8	*105.3*	105.8	104.8	103.8	103.3	102.3	101.3	100.3	98.8
170°	100.3	100.3	*100.3*	100.3	99.8	99.3	98.3	97.8	96.8	95.8	94.3
172.5°	95.8	95.8	*95.8*	95.8	95.3	94.8	93.8	93.3	92.8	91.8	90.8
175°	92.3	92.3	*92.3*	92.3	91.8	91.3	90.3	90.3	89.8	89.3	88.3
177.5°	89.8	89.8	*89.3*	89.3	88.8	88.3	88.3	87.8	87.8	87.3	86.8
180°	86.8	86.8	*86.8*	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2.5°	55.2	53.2	49.7	46.7	43.1	40.6	38.1	37.6	37.6	38.6	38.6
5°	63.7	59.2	52.2	45.7	38.1	32.6	27.6	23.1	20.1	18.6	18.6
7.5°	79.8	76.3	65.7	56.7	47.7	39.1	31.1	24.1	19.1	15.6	15.0
10°	100.3	94.8	82.3	70.7	58.7	48.2	38.6	30.1	24.1	21.1	21.1
12.5°	122.4	114.9	99.8	85.8	71.7	58.2	47.2	38.6	32.6	29.6	28.6
15°	146.0	137.5	119.4	101.3	84.3	69.7	57.2	46.7	40.6	37.6	37.1
17.5°	168.1	158.5	138.0	116.4	96.8	79.3	64.2	53.2	45.7	42.1	41.6
20°	192.1	179.6	155.5	130.4	107.4	86.3	69.2	56.2	47.2	43.1	42.6
22.5°	216.7	202.2	173.6	144.5	116.9	92.8	72.7	57.7	47.7	43.1	42.6
25°	242.8	226.7	193.1	159.5	127.4	99.3	76.3	59.2	48.7	43.1	42.6
27.5°	270.4	252.3	213.7	175.6	138.0	105.8	79.8	61.2	49.2	43.6	42.6
30°	300.0	279.4	234.8	191.1	148.0	111.9	82.8	62.2	49.7	43.6	43.1
32.5°	329.6	304.5	257.9	206.2	158.5	117.4	85.8	63.7	50.2	44.1	43.6
35°	358.2	333.6	278.9	221.7	168.6	122.9	88.3	64.7	51.2	44.6	43.6
37.5°	387.3	360.7	299.0	236.3	177.6	127.4	90.3	65.7	51.7	45.1	44.1
40°	414.9	383.8	318.6	250.3	185.1	131.4	91.8	66.2	52.2	45.7	44.6
42.5°	441.0	407.8	337.1	262.4	192.6	134.4	93.3	67.2	52.7	46.2	45.7
45°	463.0	428.9	353.2	274.4	198.2	137.0	94.3	67.7	53.2	46.7	46.2
47.5°	484.6	448.0	368.2	283.9	203.7	139.5	94.8	68.2	53.7	47.7	47.2
50°	503.7	465.0	381.8	292.5	207.7	140.5	95.3	68.7	54.7	48.7	48.2
52.5°	519.7	479.6	392.3	299.5	210.7	141.5	95.3	68.7	55.2	49.7	49.2
55°	532.8	492.1	401.8	304.5	212.7	142.0	95.3	69.2	56.2	50.7	50.2
57.5°	543.8	501.7	409.4	309.0	214.7	142.0	95.3	69.7	57.2	51.7	51.2
60°	551.8	509.7	414.9	312.0	215.2	141.5	95.3	70.2	58.2	53.2	52.7
62.5°	558.3	515.2	419.4	314.0	215.2	140.5	95.3	70.7	59.2	54.7	54.2
65°	562.9	519.2	422.4	315.0	214.7	140.0	95.3	71.7	60.7	56.2	55.7
67.5°	*565.4*	*522.2*	*424.4*	*316.0*	*214.2*	*140.0*	*95.8*	*73.2*	*62.2*	*58.2*	*57.7*
70°	566.4	522.7	424.9	315.5	213.7	139.0	96.3	74.2	64.2	60.2	59.7
72.5°	566.4	523.2	424.9	315.5	212.7	139.5	96.8	75.7	66.2	62.2	61.7
75°	564.9	521.7	424.4	314.5	212.2	139.0	98.3	77.8	68.2	64.7	64.2
77.5°	561.9	519.7	422.9	313.0	211.7	139.5	99.3	79.8	70.7	67.2	67.2
80°	558.3	516.7	420.9	311.5	211.2	140.5	100.8	82.3	73.2	70.2	69.7
82.5°	552.8	512.2	417.4	309.5	210.2	141.0	102.8	84.8	76.3	72.7	72.7
85°	545.3	505.7	412.9	307.0	209.2	142.0	104.8	86.8	79.3	75.7	75.7
87.5°	537.3	498.6	407.3	304.0	208.7	143.0	107.4	89.8	81.8	78.8	78.3
90°	527.7	490.1	401.8	300.5	208.2	144.5	109.4	92.8	85.3	82.3	81.8
92.5°	517.7	481.6	395.8	298.0	207.7	146.0	112.4	96.3	88.8	85.8	85.3
95°	507.7	472.6	389.8	294.5	207.7	148.0	115.4	99.8	92.3	89.3	88.8
97.5°	496.1	462.5	382.8	291.5	207.7	150.5	118.9	103.3	95.8	92.8	92.8
100°	484.1	452.5	375.7	288.5	208.2	153.0	122.4	107.4	99.8	96.8	96.8
102.5°	472.1	441.5	369.2	285.9	209.2	156.5	126.9	111.9	104.3	101.3	100.8
105°	459.0	430.4	361.7	282.4	210.2	159.5	130.9	115.9	108.4	105.3	105.3
107.5°	446.0	418.9	354.2	279.9	211.2	162.5	135.4	120.4	112.9	109.4	109.4
110°	431.4	406.3	346.1	276.9	212.2	166.0	139.0	124.4	116.4	113.4	112.9

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

Scaled Data Report

REPORT NUMBER: P1045872
CATALOG NUMBER: FFX-CLB-50-722-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	416.4	393.8	337.6	272.9	212.7	169.1	143.0	128.4	120.4	116.9	116.4
115°	400.3	379.8	328.1	268.9	212.7	171.6	146.0	131.4	123.4	119.9	119.4
117.5°	384.3	364.7	317.5	263.4	212.2	173.1	148.5	133.4	125.4	121.9	121.4
120°	367.2	349.7	307.0	257.9	210.2	173.6	149.5	134.9	126.4	122.9	122.4
122.5°	349.7	333.6	294.5	250.3	207.2	173.1	149.5	134.9	126.4	122.4	121.9
125°	330.6	316.5	281.4	241.3	202.7	171.1	148.5	133.9	125.4	121.4	120.4
127.5°	312.0	299.5	267.9	232.3	197.2	168.1	146.5	131.9	123.4	119.4	118.9
130°	294.0	281.4	253.8	222.2	190.6	164.0	143.0	128.9	120.9	116.4	115.9
132.5°	274.9	263.4	239.8	211.7	183.1	159.0	139.5	125.9	117.4	113.9	112.9
135°	255.8	246.8	225.2	200.7	175.6	153.5	135.4	122.4	114.4	110.4	110.4
137.5°	238.8	229.8	210.7	189.6	167.6	147.0	130.4	118.4	110.9	107.4	106.9
140°	221.2	214.2	197.2	178.6	159.0	141.0	126.4	114.9	107.9	104.3	103.8
142.5°	204.7	197.7	184.1	167.1	150.5	134.4	121.4	110.9	104.3	101.3	100.8
145°	188.1	183.1	170.1	156.5	142.0	127.9	115.9	106.9	101.3	98.3	98.3
147.5°	173.6	169.1	157.5	146.0	133.4	121.9	111.4	103.3	98.3	95.8	95.3
150°	159.5	155.5	146.0	136.5	124.9	115.4	106.4	99.8	95.3	93.3	92.8
152.5°	146.5	143.5	135.4	127.4	117.9	109.4	102.3	96.8	92.8	90.8	90.8
155°	135.4	132.9	125.9	118.9	111.4	104.3	98.3	93.8	90.8	89.3	88.8
157.5°	125.9	122.9	117.4	111.9	105.8	99.8	95.3	91.3	89.3	87.8	87.8
160°	116.9	114.4	109.9	105.8	100.8	96.3	92.3	89.8	87.8	86.8	86.8
162.5°	109.4	107.4	103.8	100.3	96.8	93.3	90.3	88.3	86.8	85.8	85.8
165°	102.8	101.8	98.8	96.3	93.3	90.8	88.8	87.3	86.3	85.8	85.8
167.5°	97.8	96.8	94.8	92.8	90.8	88.8	87.3	86.3	85.8	85.3	85.3
170°	93.8	92.8	91.8	90.3	88.8	87.3	86.3	85.8	85.3	85.3	85.3
172.5°	90.8	89.8	89.3	88.3	87.3	86.3	85.8	85.3	85.3	85.3	85.3
175°	88.3	87.8	87.3	86.8	86.3	85.8	85.3	85.3	85.3	85.3	85.3
177.5°	86.8	86.3	86.3	85.8	85.8	85.3	85.3	85.8	85.8	85.8	86.3
180°	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

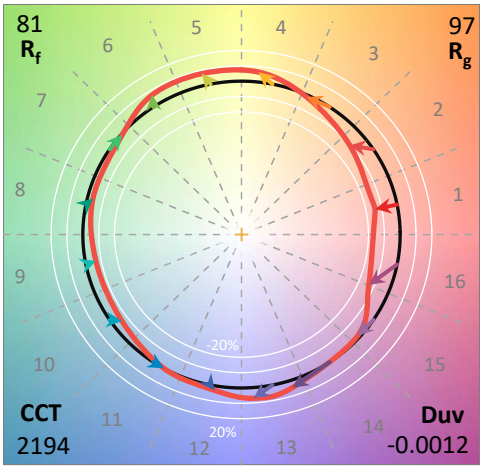
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
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-20-722-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

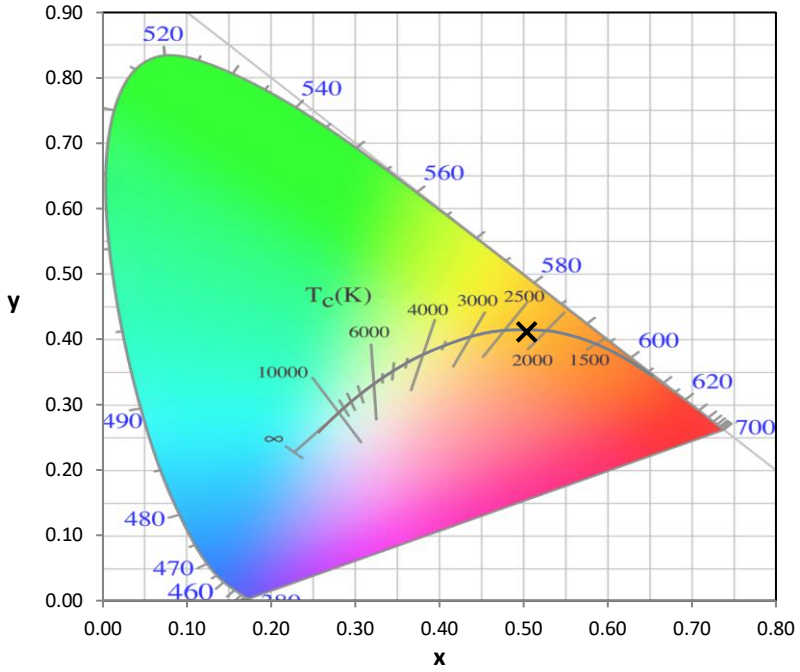
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

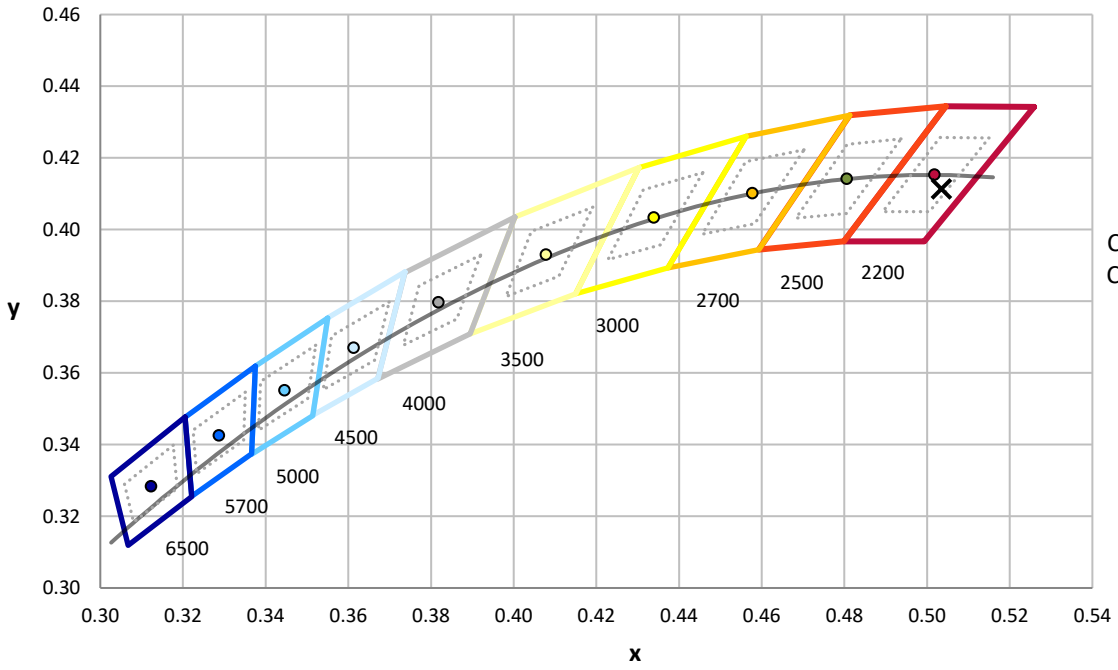
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

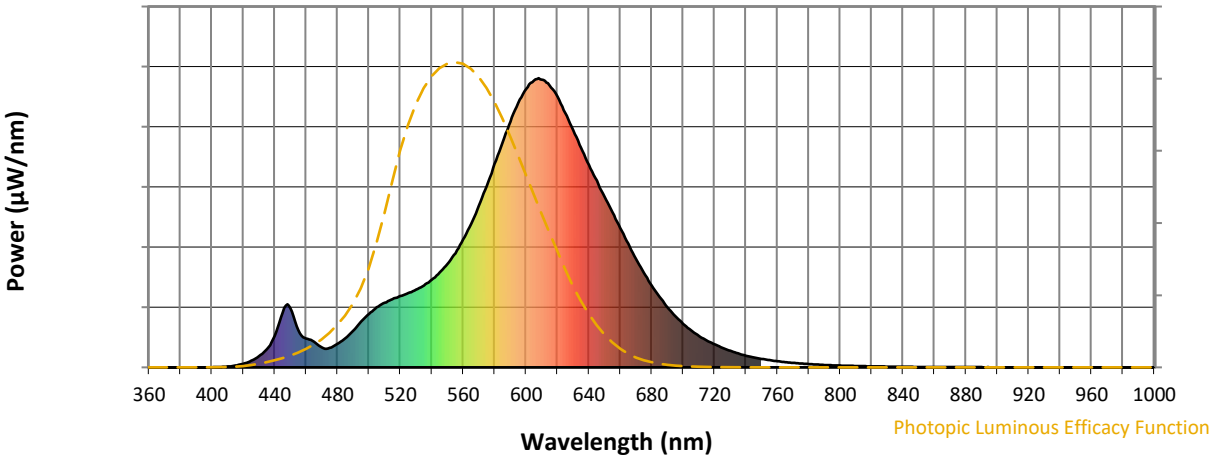


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

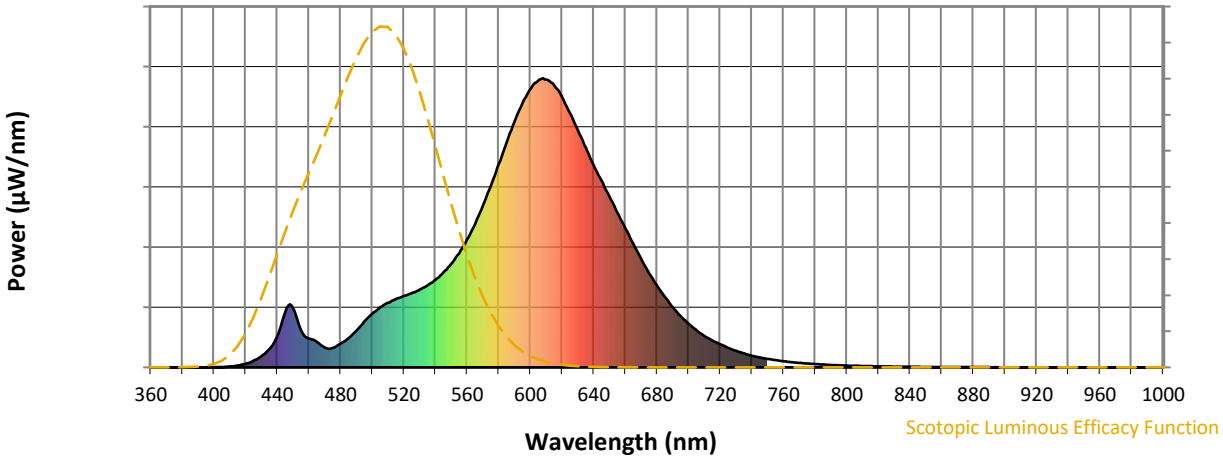


Photopic Lumens: NR

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

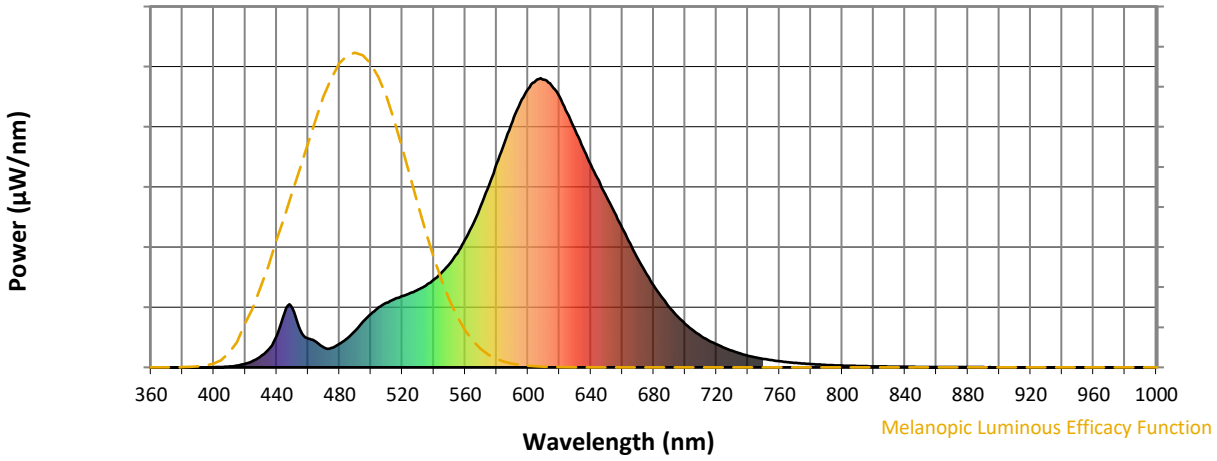


Scotopic Lumens: NR **S/P: 0.96**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

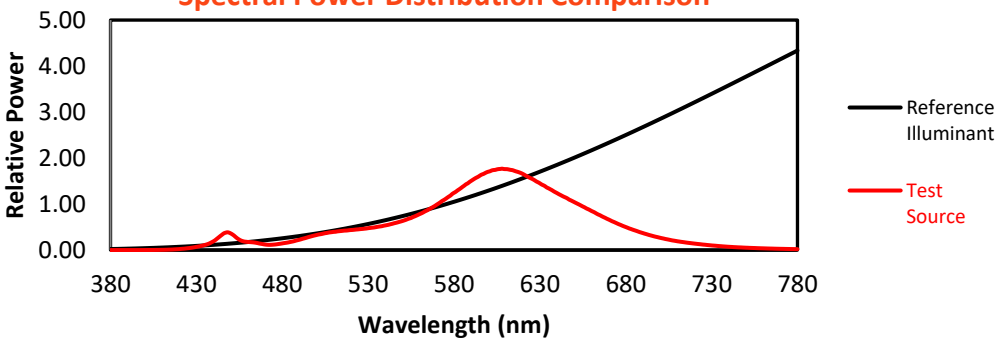
REPORT NUMBER: SP1-2501-332-7

TM-30-18

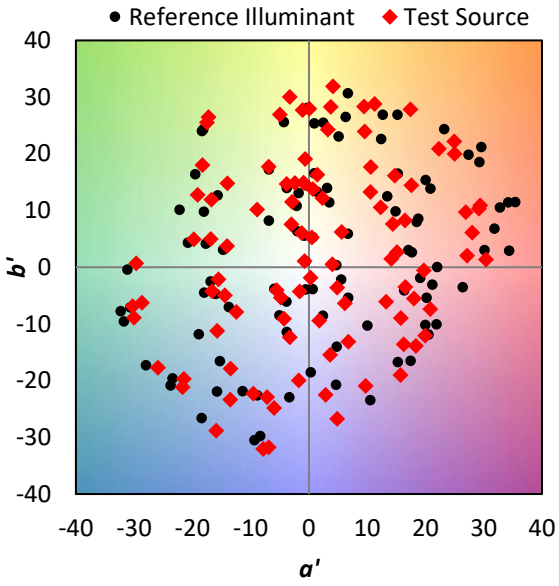
Summary

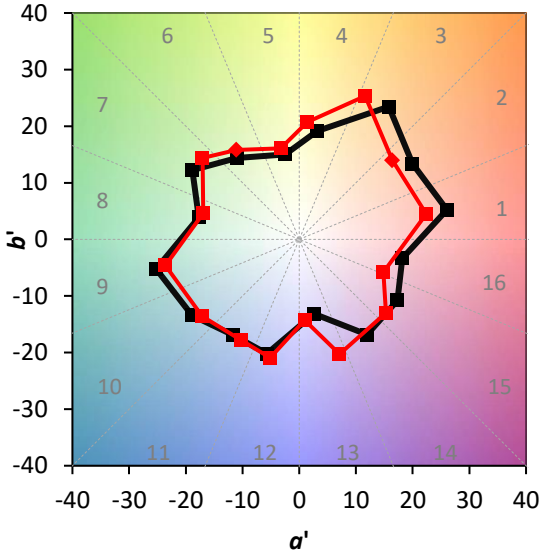
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

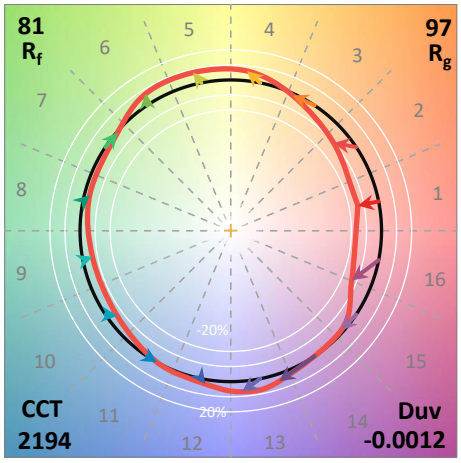
Spectral Power Distribution Comparison

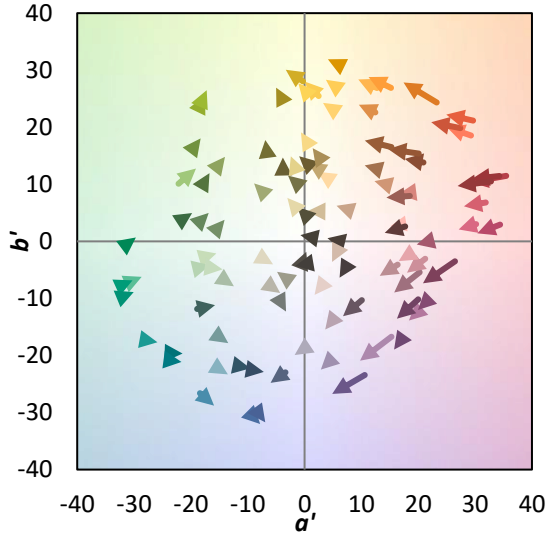


Color Vector Graphics







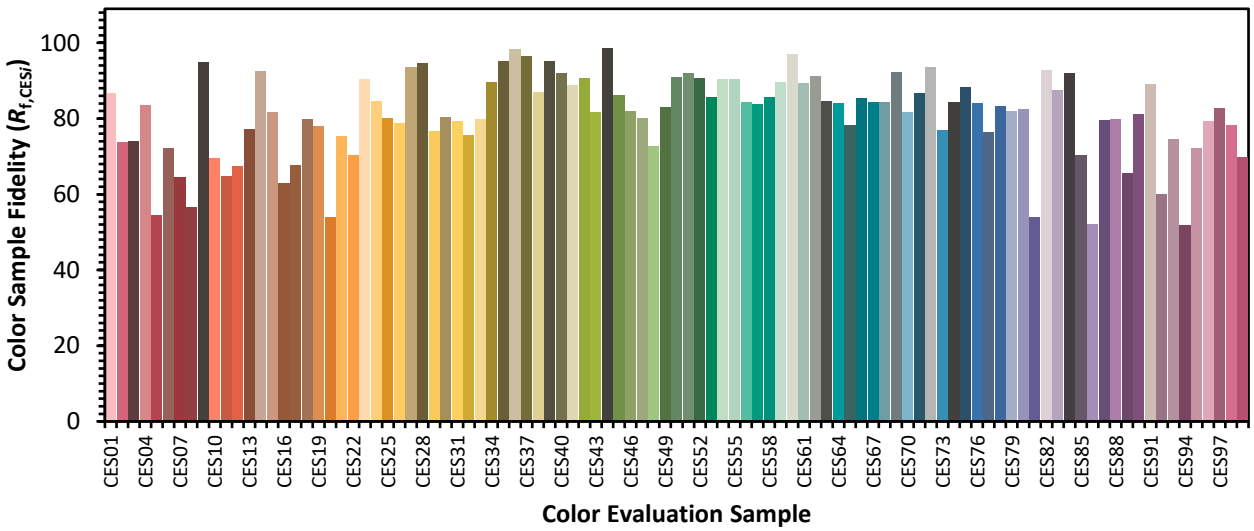


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

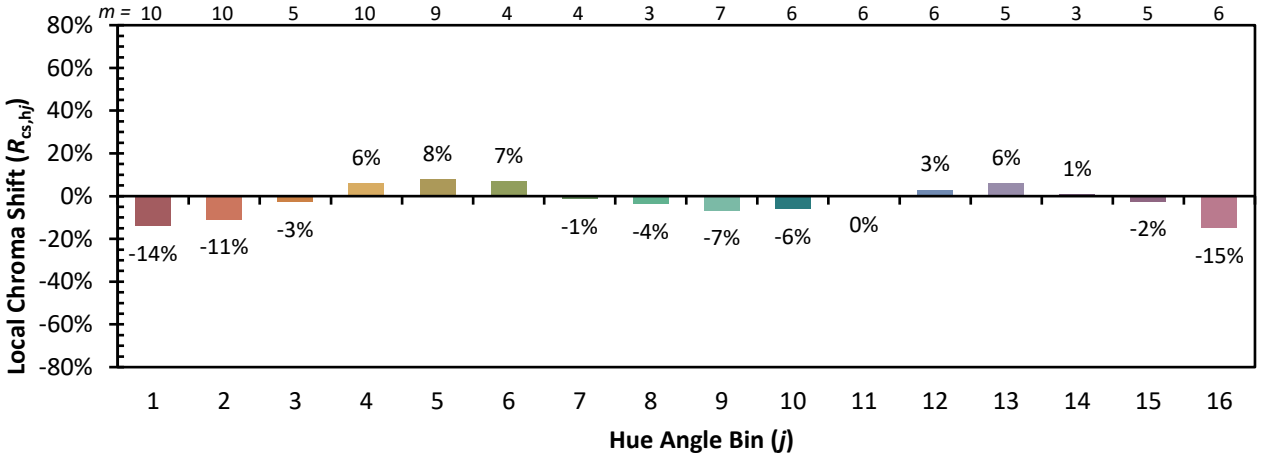
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

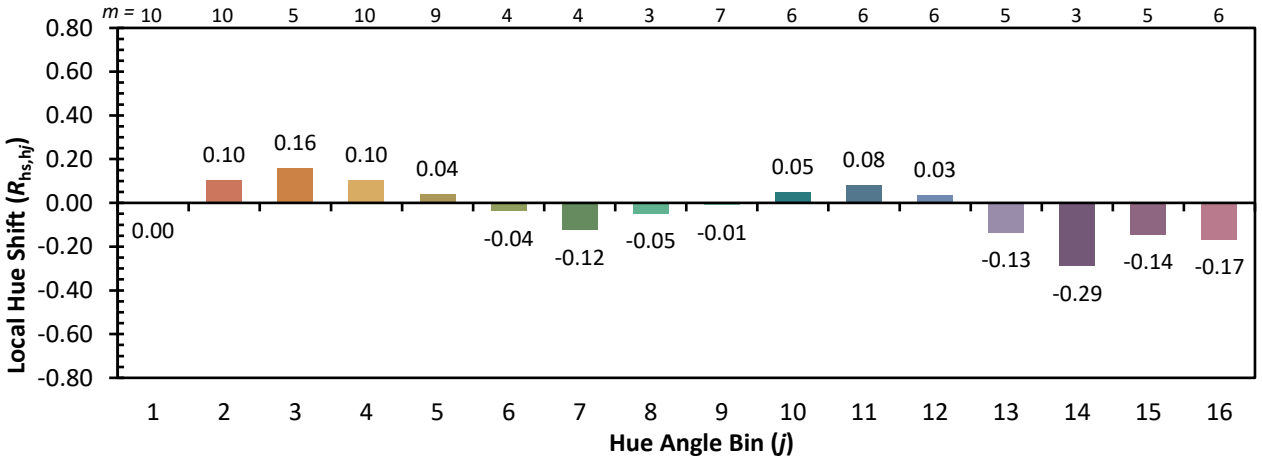


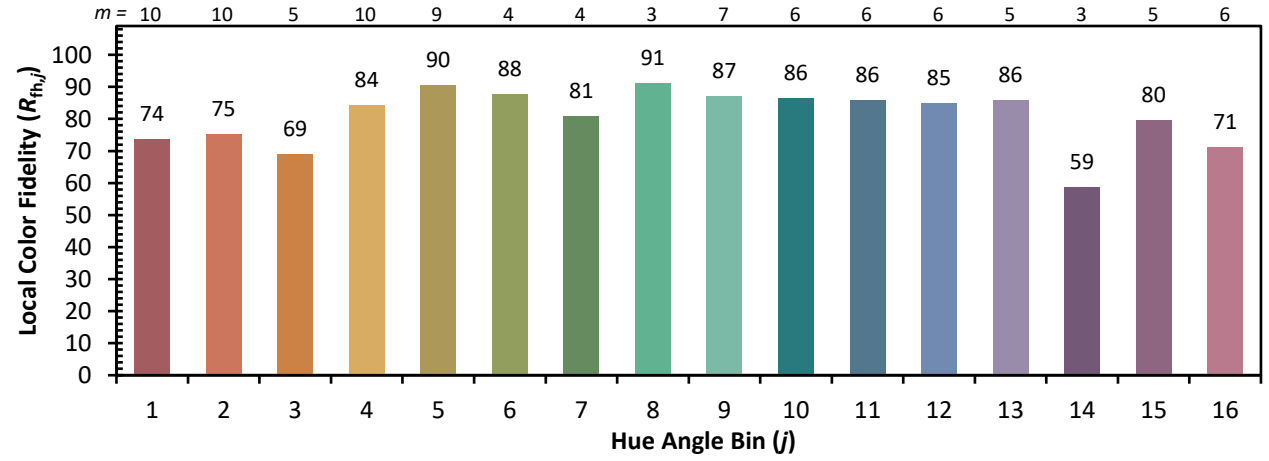
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Color Rendition by Hue-Angle Bin



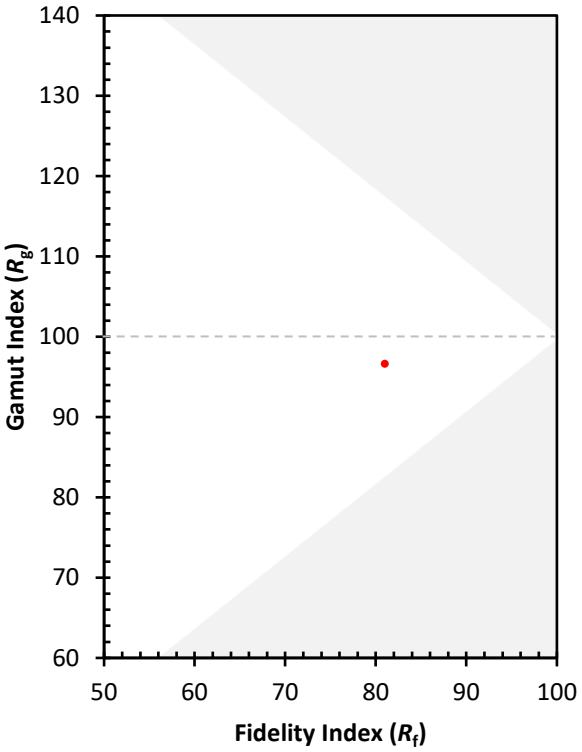


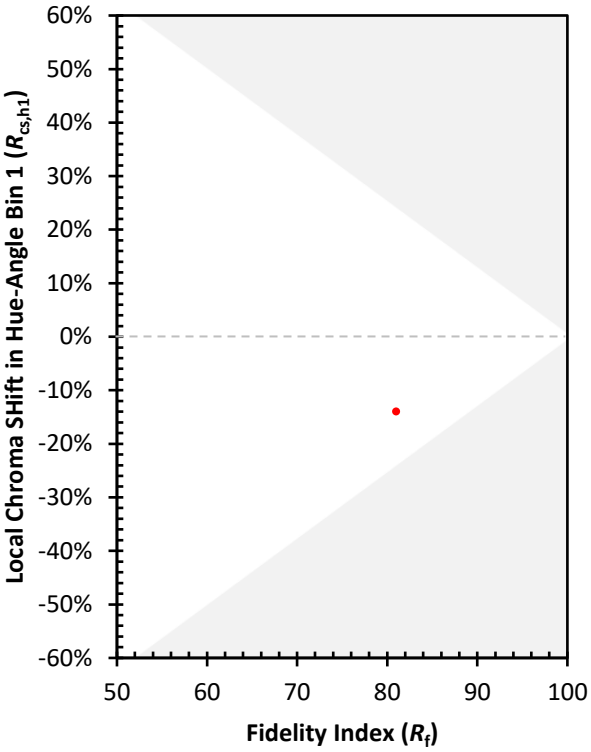


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Measure Comparisons





(END OF REPORT)