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: P1046239

Luminaire Tested: **FFX-CLB-70-727-U-FR-T4-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:	P1046239
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9329.9 lumens
Efficiency:	N/A
Efficacy:	131.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

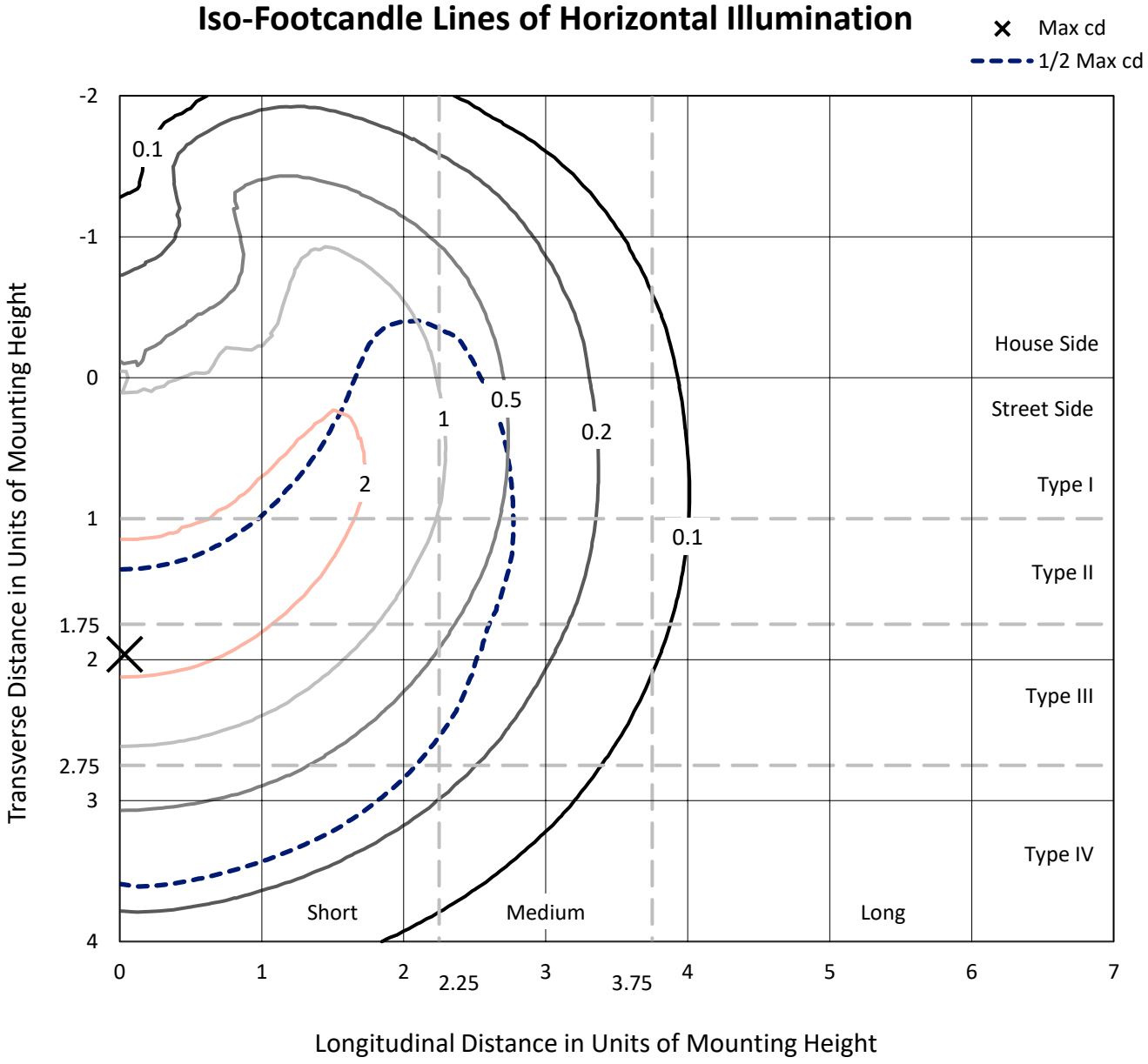


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Iso-Footcandle Lines of Horizontal Illumination



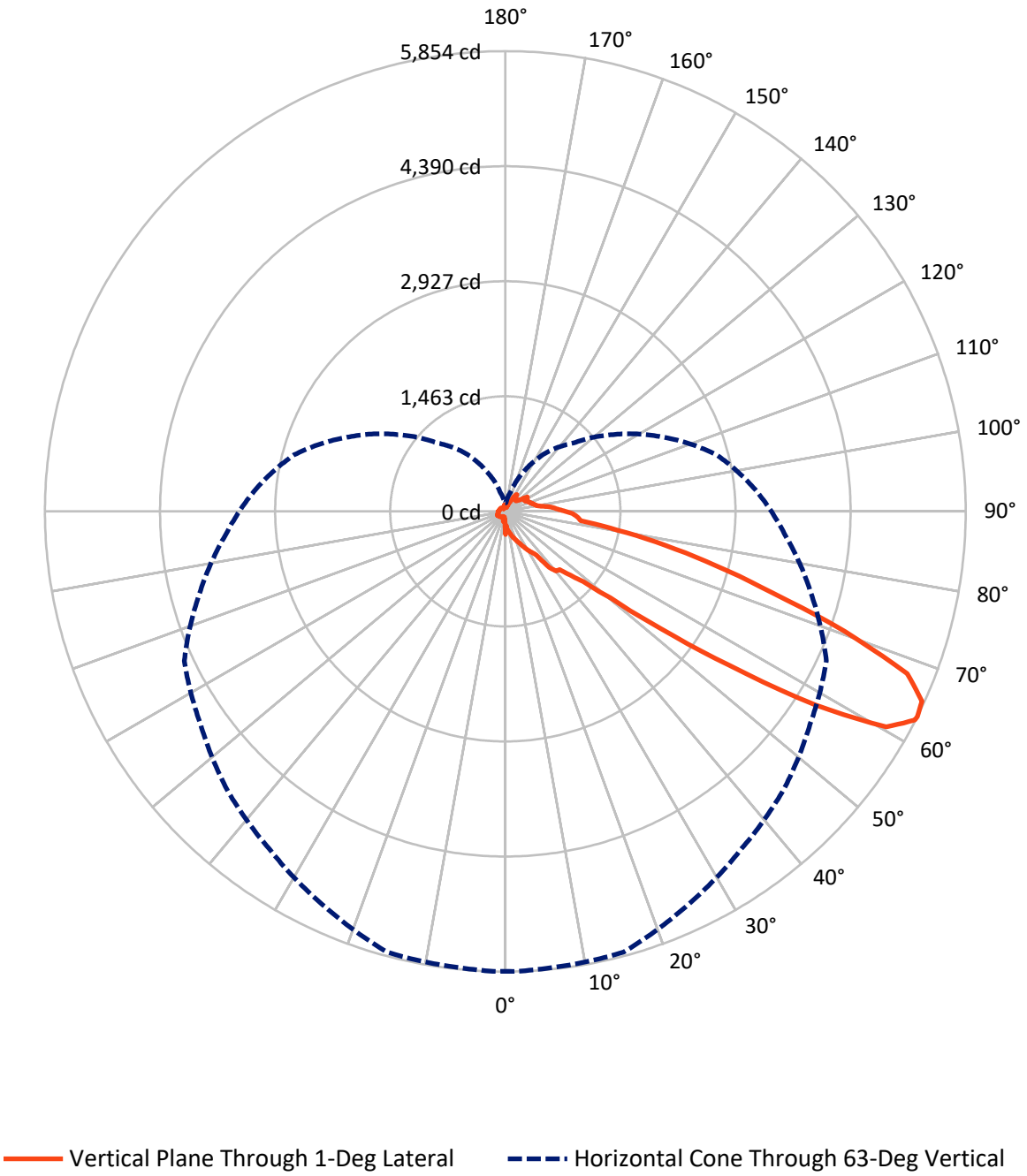
Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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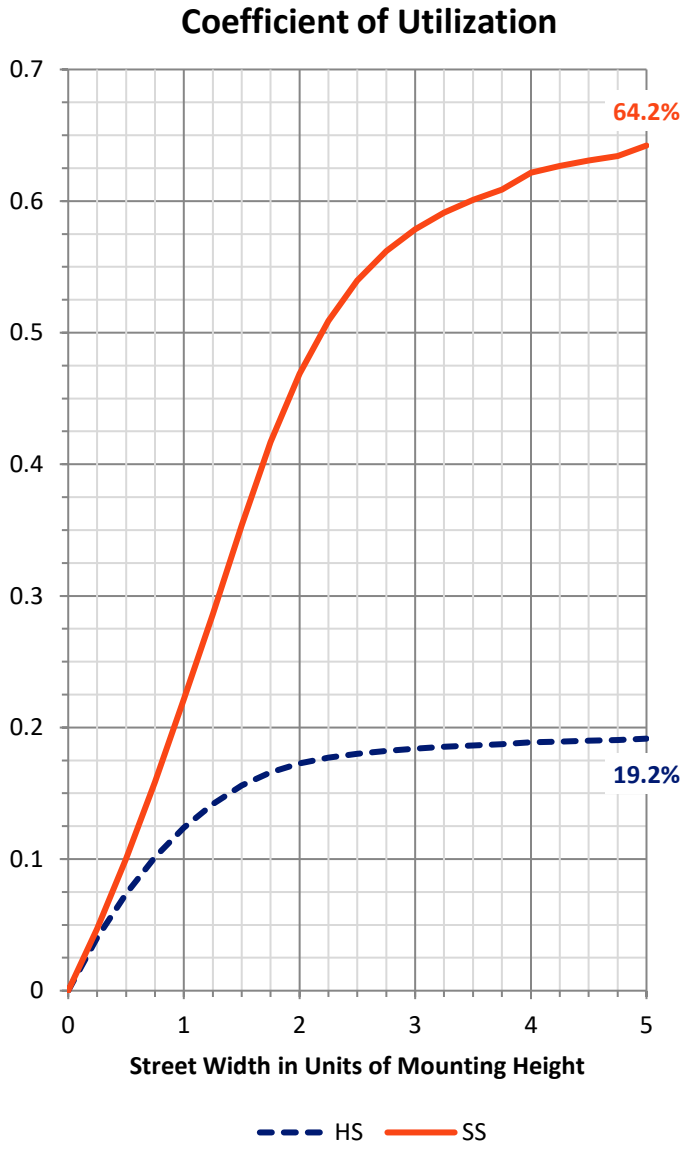
REPORT NUMBER: P1046239
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1847.3	370.0	2217.3
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	6258.3	854.3	7112.6
	% Fixture	67.1	9.2	76.2
Total	Lumens	8105.6	1224.4	9329.9
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.2
10°-20°	61.4	0.7
20°-30°	135.3	1.5
30°-40°	277.1	3.0
40°-50°	559.4	6.0
50°-60°	1805.9	19.4
60°-70°	2975.3	31.9
70°-80°	1640.1	17.6
80°-90°	633.6	6.8
90°-100°	379.9	4.1
100°-110°	242.0	2.6
110°-120°	185.1	2.0
120°-130°	157.9	1.7
130°-140°	105.9	1.1
140°-150°	90.2	1.0
150°-160°	41.1	0.4
160°-170°	16.6	0.2
170°-180°	5.6	0.1
0°-90°	8105.6	86.9
0°-180°	9329.9	100.0



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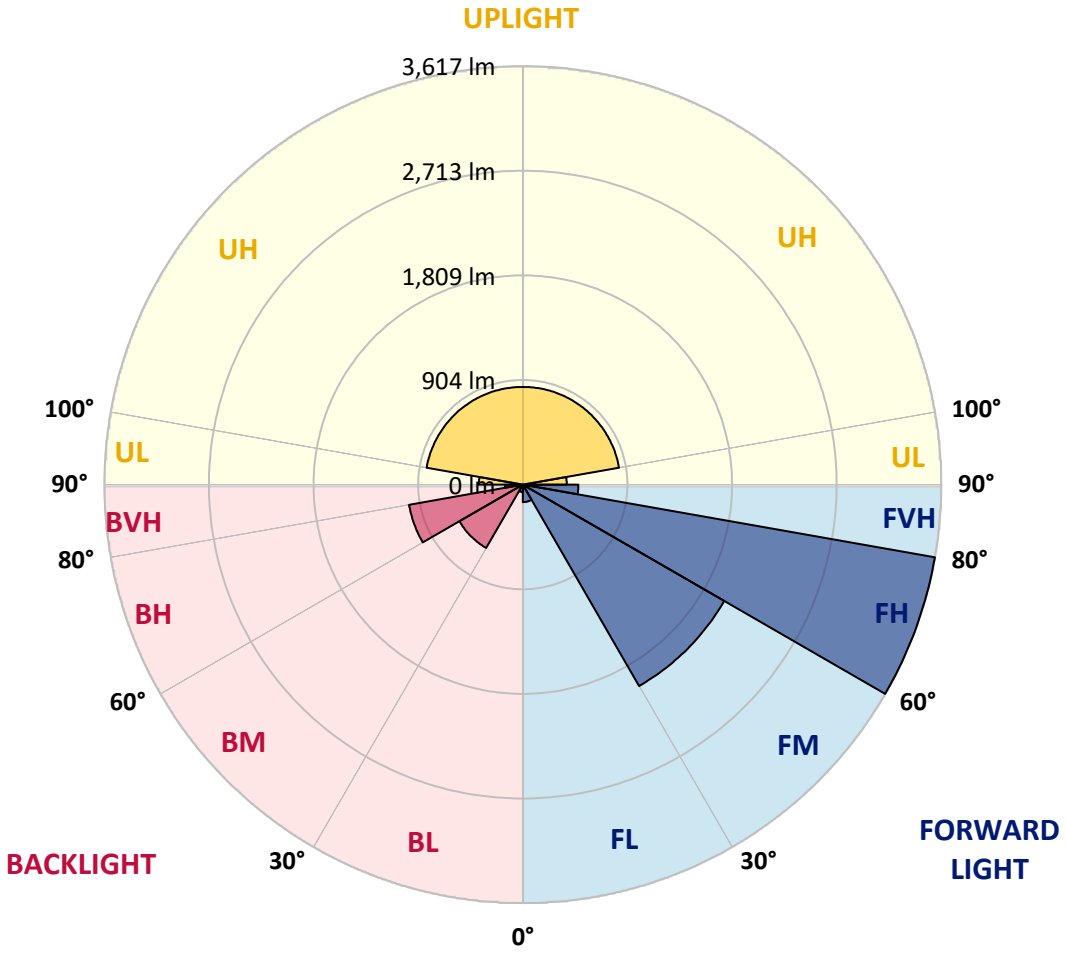
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	151.1	1.6			
FM	(30°-60°)	2010.0	21.5			
FH	(60°-80°)	3617.0	38.8			G2/5000
FVH	(80°-90°)	480.1	5.1			G3/500
BL	(0°-30°)	63.0	0.7	B0/110		
BM	(30°-60°)	632.4	6.8	B1/1000		
BH	(60°-80°)	998.4	10.7	B2/1000		G2/1000
BVH	(80°-90°)	153.5	1.6			G2/225
UL	(90°-100°)	379.9	4.1		U3/500	
UH	(100°-180°)	844.5	9.1		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3
2.5°	182.5	180.5	189.2	215.7	244.9	254.2	234.9	227.6	248.9	298.0	303.3
5°	210.4	213.7	211.7	215.0	217.7	238.3	256.8	237.6	192.5	157.3	159.9
7.5°	248.2	247.6	247.6	244.9	231.6	210.4	204.4	219.7	220.3	184.5	156.6
10°	264.8	264.1	264.1	261.5	258.8	260.8	254.2	226.3	203.8	189.2	179.9
12.5°	300.0	298.7	298.0	296.7	292.0	286.7	282.1	283.4	264.1	227.6	203.8
15°	329.2	327.9	329.2	330.5	327.2	317.9	304.6	286.0	268.8	253.5	232.3
17.5°	361.0	360.4	359.7	358.4	353.7	341.1	325.2	308.0	288.7	267.5	247.6
20°	391.6	390.2	390.9	391.6	389.6	374.3	358.4	337.2	316.6	296.0	272.8
22.5°	428.1	428.1	426.1	426.1	424.1	414.8	394.9	370.3	349.1	323.2	297.3
25°	475.2	473.2	473.2	471.2	463.3	453.3	439.4	411.5	386.3	361.7	327.2
27.5°	521.7	519.7	519.7	519.0	509.0	495.8	472.5	446.0	422.1	390.9	349.1
30°	574.8	573.4	574.1	566.8	558.8	540.2	511.0	480.5	449.3	412.8	372.3
32.5°	628.5	624.5	623.9	615.9	605.3	582.7	550.2	521.0	488.5	446.0	412.1
35°	691.6	682.9	692.2	690.2	688.9	665.0	627.8	594.0	555.5	517.0	480.5
37.5°	900.0	903.9	901.9	875.4	854.2	821.6	805.1	765.2	712.1	665.0	596.0
40°	998.2	996.9	993.5	964.3	945.1	911.2	884.7	854.8	823.6	750.0	664.3
42.5°	1019.4	1012.1	1017.4	1044.6	1069.9	1047.3	963.0	866.8	823.0	771.2	726.7
45°	1174.7	1156.1	1164.1	1171.4	1146.8	1114.3	1077.8	1015.4	941.8	867.4	785.8
47.5°	1340.6	1330.7	1330.0	1327.4	1330.0	1298.8	1250.4	1192.6	1088.4	1008.1	917.2
50°	1744.8	1731.6	1735.5	1738.9	1724.9	1693.1	1640.6	1602.8	1478.0	1324.1	1205.9
52.5°	2486.2	2478.2	2459.6	2460.9	2335.5	2328.9	2257.9	2224.0	2040.2	1864.3	1626.0
55°	3401.4	3453.2	3396.1	3384.8	3333.0	3286.6	3108.7	2961.4	2697.9	2445.0	2165.6
57.5°	4641.2	4649.8	4577.4	4579.4	4395.6	4278.8	4114.9	3889.2	3497.0	3131.9	2818.7
60°	5544.4	5566.3	5532.5	5462.1	5106.4	4897.3	4716.8	4538.9	4239.6	3697.4	3261.4
62.5°	5838.4	5845.1	5823.8	5786.7	5472.8	5206.0	4973.7	4715.5	4485.9	3997.4	3559.3
63°	5849.1	5853.7	5837.1	5805.3	5513.9	5237.1	5004.9	4728.8	4503.8	4023.9	3577.3
65°	5820.5	5822.5	5815.2	5772.7	5539.8	5247.1	4991.6	4719.5	4513.1	4034.5	3577.3
67.5°	5563.7	5513.2	5534.5	5462.8	5269.0	4977.6	4733.4	4456.0	4270.2	3807.6	3369.5
70°	4577.4	4580.8	4577.4	4538.3	4483.2	4252.9	3967.5	3718.0	3483.0	3120.0	2776.2
72.5°	3541.4	3555.4	3524.8	3547.4	3502.9	3312.5	3128.0	2875.1	2709.8	2401.9	2098.6
75°	2743.0	2771.6	2780.8	2716.5	2678.0	2637.5	2536.6	2354.8	2189.5	1951.2	1686.4
77.5°	2072.7	2078.0	2086.0	2042.2	1991.7	2007.7	1993.0	1906.8	1768.1	1592.8	1382.5
80°	1432.2	1447.5	1473.4	1448.2	1454.1	1444.8	1442.9	1373.8	1273.6	1163.4	1050.6
82.5°	962.3	961.7	968.3	1008.8	1046.0	1044.6	985.6	888.7	837.6	805.7	742.0
85°	921.2	921.2	930.5	901.3	882.7	864.1	860.1	827.0	787.8	716.1	627.8
87.5°	858.8	856.8	859.5	834.3	809.7	803.7	797.8	769.2	752.0	689.6	608.6
90°	734.7	740.0	740.0	738.0	722.8	716.8	692.9	669.0	658.4	602.0	538.2
92.5°	648.4	648.4	655.7	643.1	626.5	635.8	594.7	563.5	548.9	511.0	460.6
95°	586.0	584.0	593.3	575.4	563.5	546.2	529.0	496.4	485.8	453.3	402.2
97.5°	467.9	465.9	471.2	462.6	444.0	436.0	417.5	391.6	381.6	351.1	319.9
100°	402.9	402.2	404.2	399.5	388.9	379.0	363.0	342.5	333.2	308.0	280.1
102.5°	382.3	380.3	381.0	381.6	366.4	357.1	341.8	325.9	316.6	296.0	265.5
105°	363.7	362.4	361.0	361.0	343.8	334.5	324.5	313.9	306.0	283.4	254.2
107.5°	346.4	344.5	339.8	339.1	327.9	317.9	306.0	296.7	288.7	268.1	240.3

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	327.2	*326.5*	323.9	324.5	317.2	302.0	292.0	280.7	270.8	252.9	228.3
112.5°	317.2	*317.2*	315.3	318.6	290.7	275.4	264.8	254.9	248.2	231.0	212.4
115°	306.6	*301.3*	299.3	306.0	274.1	252.9	242.2	231.6	225.0	207.7	192.5
117.5°	284.1	*282.7*	283.4	288.7	279.4	256.2	238.9	225.7	219.0	206.4	192.5
120°	323.9	*322.6*	314.6	313.3	297.3	278.7	267.5	260.2	250.2	229.6	203.1
122.5°	338.5	*335.8*	323.2	327.2	306.0	296.7	292.0	289.4	280.1	252.9	212.4
125°	294.7	*290.7*	287.4	288.7	276.8	264.8	260.2	256.2	246.9	231.6	202.4
127.5°	236.3	*238.3*	235.6	228.3	226.3	208.4	202.4	197.8	189.2	176.5	171.9
130°	221.7	*220.3*	219.7	218.4	217.0	203.8	194.5	183.2	175.9	165.3	152.6
132.5°	197.1	*198.4*	200.4	211.7	222.3	211.1	187.2	169.9	165.3	167.2	161.9
135°	187.2	*187.8*	187.8	196.5	205.7	194.5	176.5	159.9	158.0	165.3	158.6
137.5°	191.8	*195.1*	194.5	192.5	187.2	179.2	175.2	165.9	160.6	156.0	144.7
140°	202.4	*206.4*	204.4	193.1	189.2	185.2	187.8	184.5	171.2	155.3	138.7
142.5°	201.1	*204.4*	203.1	201.8	209.1	199.8	187.2	174.5	163.9	155.3	144.7
145°	260.8	*259.5*	254.2	254.2	245.6	231.6	223.0	209.7	197.1	185.8	168.6
147.5°	240.9	*244.2*	245.6	239.6	235.6	226.3	225.0	217.7	213.7	203.8	185.8
150°	191.1	*193.8*	189.8	185.2	183.2	183.8	180.5	175.2	171.2	163.9	156.0
152.5°	132.1	*133.4*	132.1	128.1	126.8	124.8	125.4	121.5	118.8	114.2	106.9
155°	120.1	*120.8*	121.5	114.8	113.5	114.2	114.8	112.2	106.9	102.9	94.2
157.5°	94.2	*92.9*	92.9	91.6	92.3	90.3	90.3	89.6	87.6	85.0	82.3
160°	75.0	*75.7*	75.7	75.7	77.0	75.7	75.7	73.7	73.7	72.3	71.0
162.5°	63.7	*63.7*	63.7	63.7	63.1	63.1	64.4	63.7	63.7	64.4	65.7
165°	53.8	*54.4*	54.4	54.4	54.4	54.4	55.7	55.7	57.1	59.7	63.1
167.5°	50.4	*49.8*	49.8	50.4	50.4	51.8	51.8	54.4	59.1	63.7	63.7
170°	47.8	*47.8*	47.8	48.4	48.4	49.1	51.1	55.7	61.1	63.1	60.4
172.5°	49.8	*49.1*	49.1	49.8	49.8	51.8	54.4	58.4	60.4	60.4	57.7
175°	51.1	*50.4*	50.4	51.1	51.1	52.4	55.1	57.7	59.1	59.7	59.7
177.5°	49.8	*49.8*	49.8	49.8	49.8	50.4	50.4	52.4	53.8	55.1	56.4
180°	47.8	*47.8*	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3
2.5°	303.3	276.8	237.6	189.8	221.0	259.5	254.2	224.3	179.2	134.7	134.7
5°	167.9	177.9	187.8	164.6	147.3	146.0	142.0	127.4	125.4	103.5	97.6
7.5°	146.7	137.4	135.4	159.9	158.0	104.2	82.3	73.0	77.0	104.2	107.5
10°	175.9	171.9	159.3	132.7	110.8	100.9	100.2	101.5	92.9	75.0	70.4
12.5°	198.4	191.8	180.5	172.6	147.3	117.5	100.9	93.6	98.9	125.4	131.4
15°	220.3	211.1	191.8	169.9	144.7	122.8	105.5	90.3	90.3	86.3	84.3
17.5°	237.6	225.7	202.4	178.5	150.0	122.8	100.2	85.0	77.7	76.3	76.3
20°	259.5	248.2	223.0	193.8	158.0	124.1	99.6	85.0	76.3	73.0	72.3
22.5°	286.7	272.1	239.6	205.1	162.6	125.4	100.9	85.6	77.0	72.3	71.0
25°	311.9	295.3	256.8	221.0	173.2	128.8	102.2	87.6	78.3	73.0	72.3
27.5°	332.5	314.6	278.7	237.6	184.5	136.7	108.8	91.6	80.3	75.0	73.7
30°	355.7	339.1	301.3	254.9	195.1	146.7	118.1	98.9	86.3	79.0	78.3
32.5°	390.2	369.7	325.9	272.8	207.7	157.3	127.4	105.5	90.3	86.3	86.3
35°	452.6	431.4	373.7	302.0	219.7	167.9	136.7	112.8	96.2	86.9	86.3
37.5°	569.4	540.2	467.9	368.3	240.3	176.5	144.7	118.8	99.6	86.3	84.3
40°	623.2	573.4	496.4	403.5	270.1	186.5	151.3	123.4	100.2	88.3	86.9
42.5°	686.9	645.1	536.3	412.1	292.0	211.1	162.6	128.8	104.2	90.9	89.6
45°	748.0	707.5	615.9	487.1	341.1	247.6	182.5	139.4	110.8	94.9	92.3
47.5°	858.8	816.3	688.9	564.1	408.8	304.6	222.3	156.0	120.1	98.9	95.6
50°	1146.8	1086.5	936.5	747.3	523.0	386.9	284.7	190.5	132.7	100.9	96.9
52.5°	1518.5	1426.3	1263.7	1022.1	748.0	547.5	398.9	276.8	154.6	101.5	95.6
55°	2121.1	2007.7	1746.2	1393.1	1047.3	817.0	604.0	425.4	227.6	106.2	94.9
57.5°	2692.6	2608.3	2380.0	1906.1	1389.1	1038.0	794.4	598.6	309.9	116.8	99.6
60°	3112.7	2952.1	2685.3	2199.5	1677.8	1204.6	884.0	622.5	318.6	118.8	102.9
62.5°	3363.6	3165.1	2769.6	2241.9	1718.9	1239.1	919.9	572.8	257.5	116.1	107.5
63°	*3382.1*	*3189.7*	*2780.2*	*2227.3*	*1705.7*	*1229.8*	*914.6*	*560.8*	*250.2*	*115.5*	*108.8*
65°	3358.9	3191.7	2743.0	2151.0	1592.8	1147.5	851.5	503.7	203.1	113.5	110.2
67.5°	3128.0	2991.9	2548.6	1944.6	1418.3	990.9	704.8	384.3	158.6	108.2	106.9
70°	2618.2	2462.3	2060.1	1607.4	1124.3	800.4	562.1	298.0	130.7	102.9	101.5
72.5°	1948.6	1883.5	1565.0	1223.2	864.8	617.2	422.1	226.3	116.1	98.9	97.6
75°	1575.6	1478.0	1241.1	966.3	657.7	458.6	313.3	169.9	106.2	95.6	94.2
77.5°	1302.8	1237.8	1032.7	729.4	469.2	330.5	230.3	134.7	101.5	93.6	92.9
80°	1008.8	968.3	805.7	539.6	335.8	246.2	182.5	123.4	99.6	92.9	92.3
82.5°	711.5	698.9	586.7	403.5	285.4	220.3	169.9	121.5	100.2	94.2	92.9
85°	589.4	562.1	493.8	383.6	270.8	211.1	163.9	119.5	100.2	93.6	92.9
87.5°	574.1	551.5	477.9	359.1	248.2	195.1	154.0	114.8	96.9	90.9	90.3
90°	519.0	496.4	428.1	320.6	233.6	183.2	144.0	108.8	92.9	88.3	86.9
92.5°	442.7	422.1	371.7	291.4	223.7	175.9	140.0	106.9	92.3	86.9	86.3
95°	384.3	367.0	325.9	268.1	206.4	163.9	132.7	102.9	89.6	85.0	84.3
97.5°	306.0	295.3	263.5	218.4	174.5	143.4	118.8	96.9	86.3	82.3	81.6
100°	269.5	260.2	234.9	197.8	161.9	135.4	114.8	94.9	83.6	80.3	79.6
102.5°	252.9	245.6	223.0	185.8	152.0	128.8	109.5	91.6	81.6	78.3	77.7
105°	240.3	233.6	213.0	177.2	143.4	120.1	102.9	87.6	78.3	75.7	75.0
107.5°	225.0	219.7	199.8	164.6	134.7	112.8	97.6	84.3	76.3	73.7	73.7

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

Scaled Data Report

REPORT NUMBER: P1046239
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	212.4	208.4	187.8	157.3	128.8	108.2	94.2	83.0	75.7	73.0	73.0
112.5°	199.1	194.5	175.2	148.0	123.4	104.9	91.6	81.0	74.3	71.7	71.7
115°	184.5	179.9	161.3	137.4	116.8	99.6	87.6	77.7	71.7	69.7	69.7
117.5°	187.2	175.2	152.6	131.4	111.5	95.6	85.0	76.3	69.7	68.4	67.7
120°	189.8	174.5	158.0	138.0	114.8	93.6	83.0	74.3	69.0	67.0	67.0
122.5°	185.2	187.2	172.6	142.0	109.5	91.6	82.3	75.0	69.7	67.7	68.4
125°	181.2	185.8	168.6	134.1	105.5	90.9	82.3	77.0	72.3	70.4	70.4
127.5°	166.6	167.2	143.4	120.1	102.9	88.9	81.6	77.7	73.7	71.0	69.7
130°	146.7	145.3	134.1	116.8	96.9	85.6	79.0	77.0	73.0	68.4	67.7
132.5°	157.3	153.3	134.7	110.8	91.6	82.3	78.3	75.7	69.0	63.7	63.1
135°	149.3	145.3	126.1	103.5	88.9	83.6	81.6	75.0	65.0	61.1	60.4
137.5°	136.1	129.4	113.5	98.9	90.3	86.9	82.3	73.7	63.7	59.1	58.4
140°	130.7	124.1	111.5	101.5	91.6	81.0	73.0	65.0	58.4	54.4	53.8
142.5°	137.4	132.1	119.5	101.5	85.6	74.3	67.0	61.7	55.7	49.8	49.1
145°	159.9	150.0	132.7	114.2	97.6	84.3	73.0	61.7	51.1	44.5	43.8
147.5°	177.2	169.2	150.7	129.4	106.2	85.0	68.4	54.4	45.8	41.8	41.1
150°	147.3	142.7	128.8	111.5	94.2	75.0	59.1	48.4	43.1	41.8	41.8
152.5°	102.9	99.6	94.9	83.6	70.4	59.1	50.4	45.1	43.1	42.5	42.5
155°	90.9	88.9	83.0	73.0	63.7	55.1	48.4	44.5	43.8	43.1	43.1
157.5°	78.3	77.7	73.7	65.7	58.4	51.8	47.1	45.1	43.8	43.1	43.1
160°	70.4	68.4	64.4	59.1	54.4	50.4	47.8	46.5	45.1	44.5	44.5
162.5°	65.7	64.4	59.7	55.7	53.1	52.4	53.1	52.4	49.1	47.1	46.5
165°	62.4	61.7	57.1	54.4	53.1	56.4	60.4	59.1	53.1	49.8	49.8
167.5°	62.4	61.1	56.4	54.4	57.7	62.4	65.7	65.0	59.7	56.4	54.4
170°	59.1	57.7	56.4	57.1	61.7	63.7	64.4	65.7	66.4	69.7	71.0
172.5°	57.1	57.1	58.4	61.1	65.0	65.7	63.7	64.4	70.4	77.7	78.3
175°	59.7	59.7	62.4	67.0	69.0	70.4	67.7	68.4	75.0	82.3	83.0
177.5°	57.1	57.7	59.1	59.7	59.1	57.1	56.4	59.1	57.1	56.4	58.4
180°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

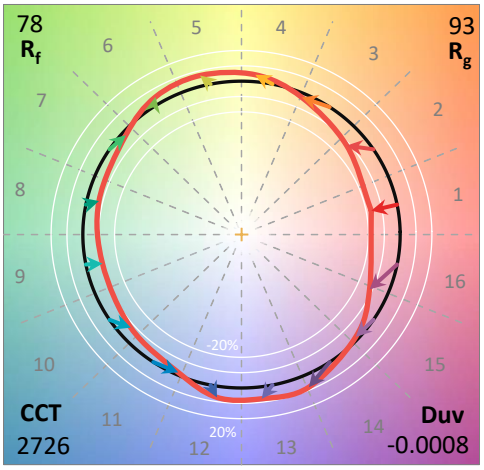
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

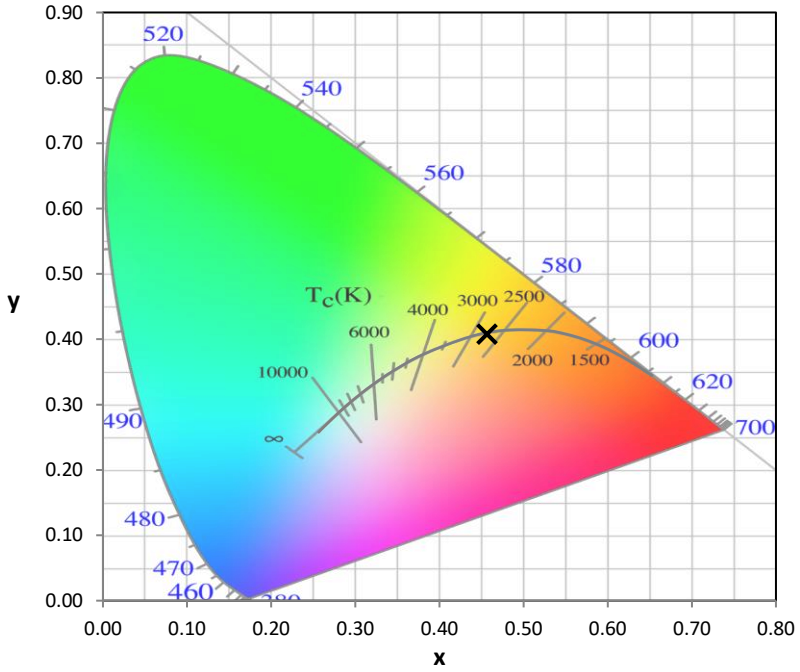
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

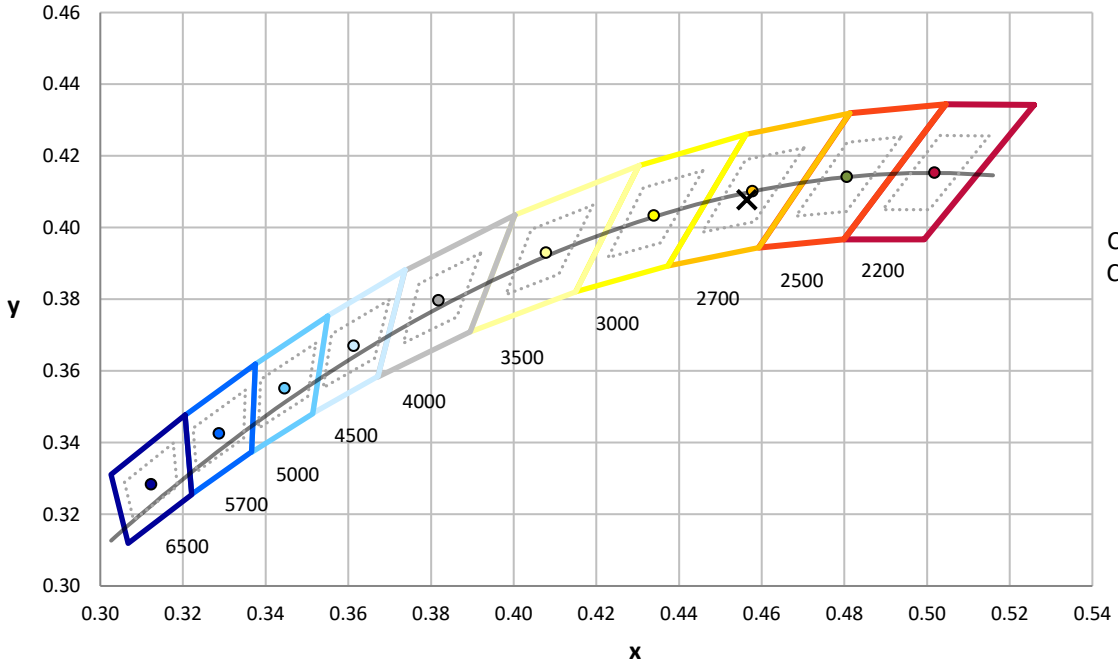
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

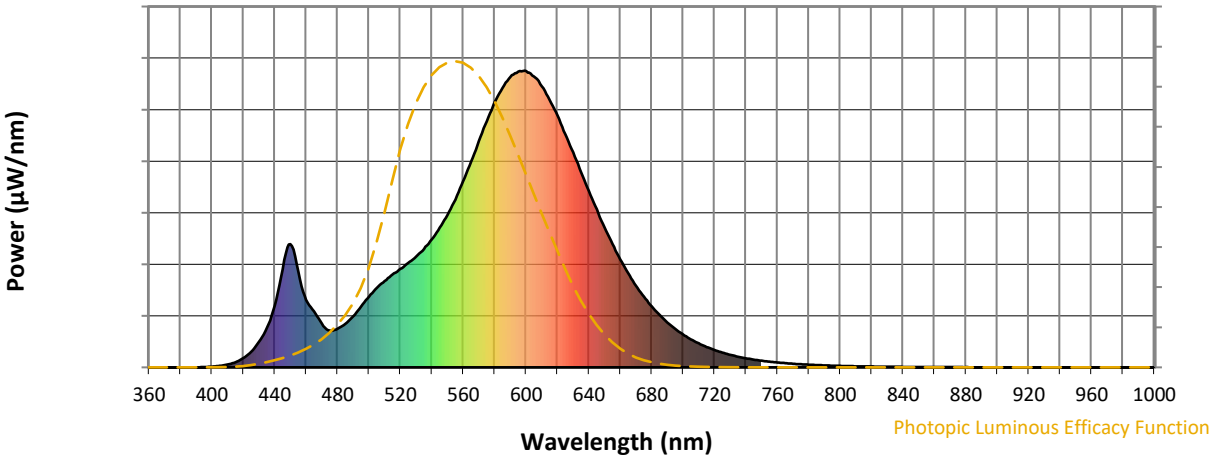


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

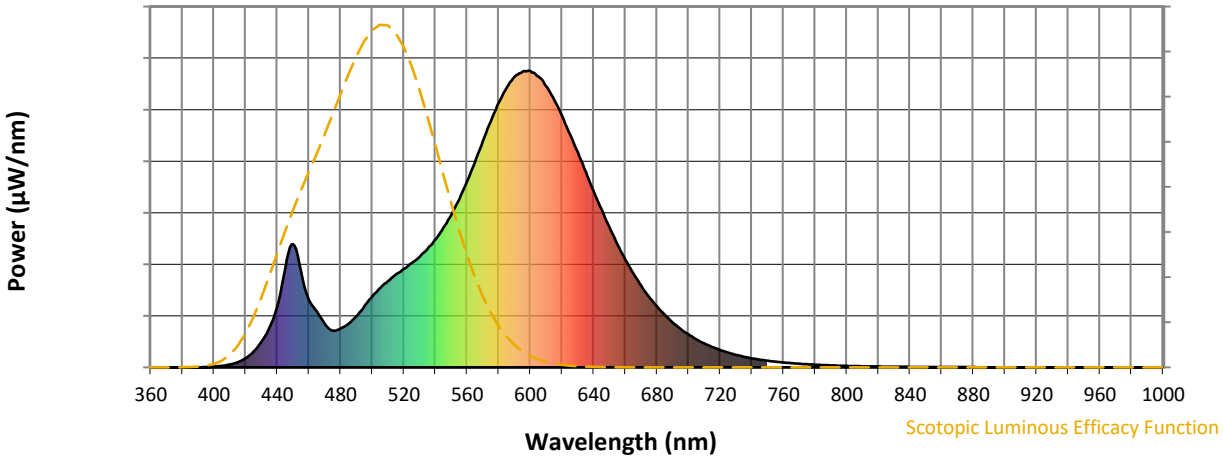


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

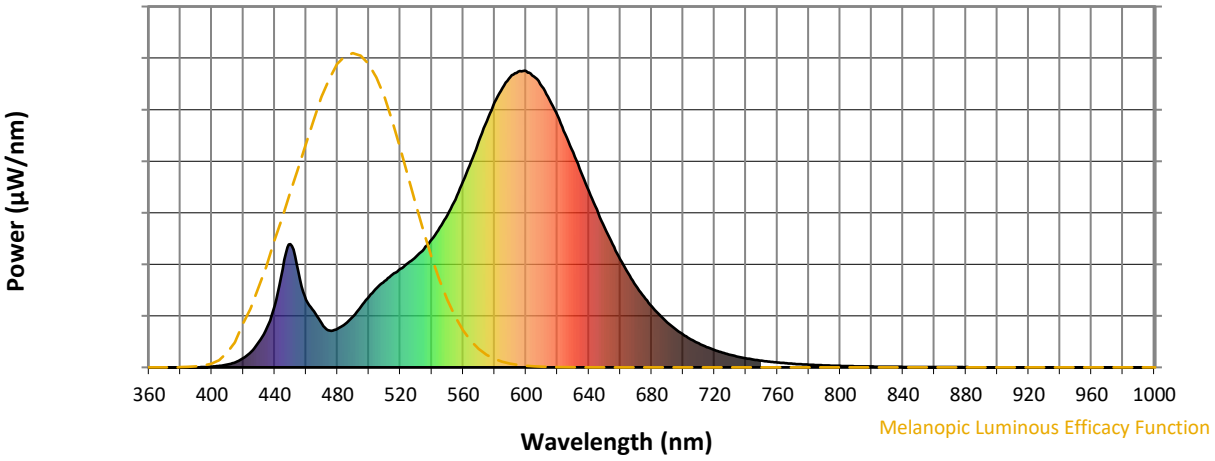


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

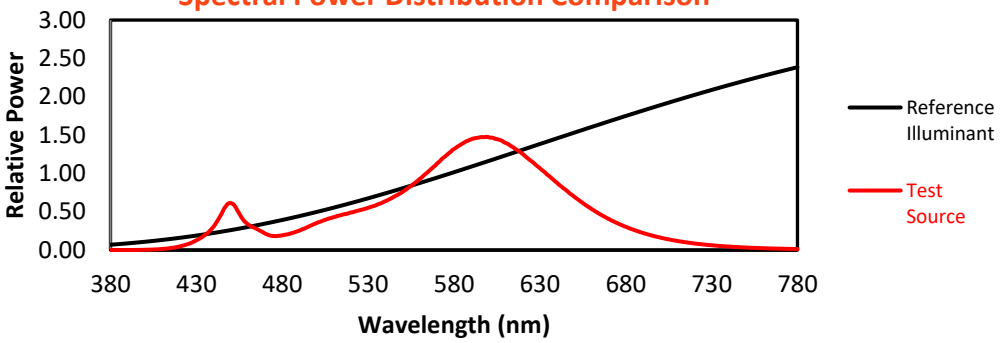
REPORT NUMBER: SP1-2501-332-3

TM-30-18

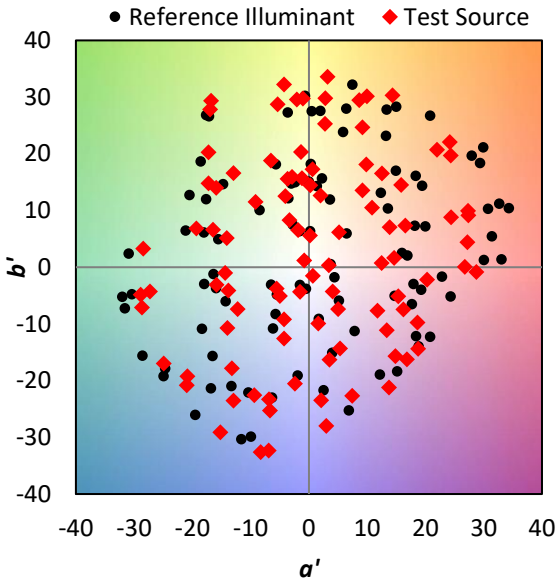
Summary

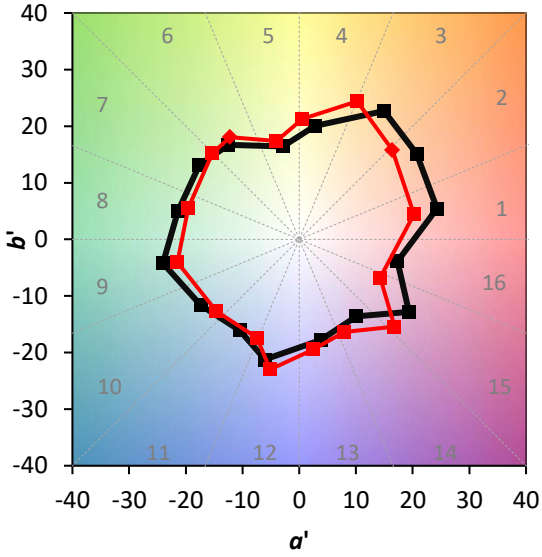
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

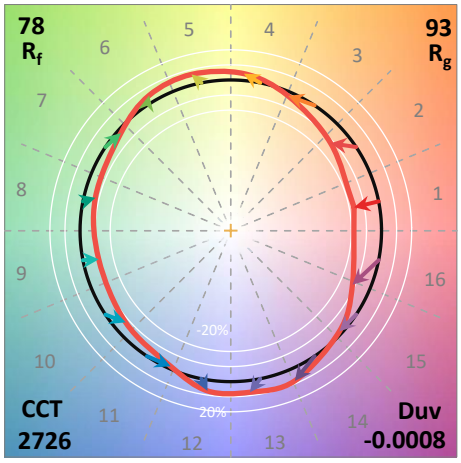
Spectral Power Distribution Comparison

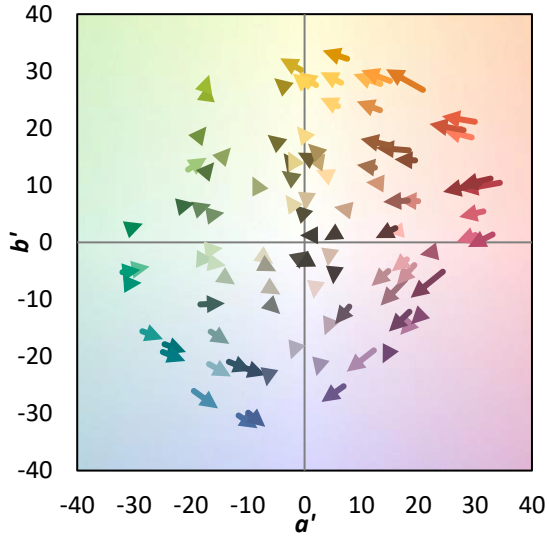


Color Vector Graphics







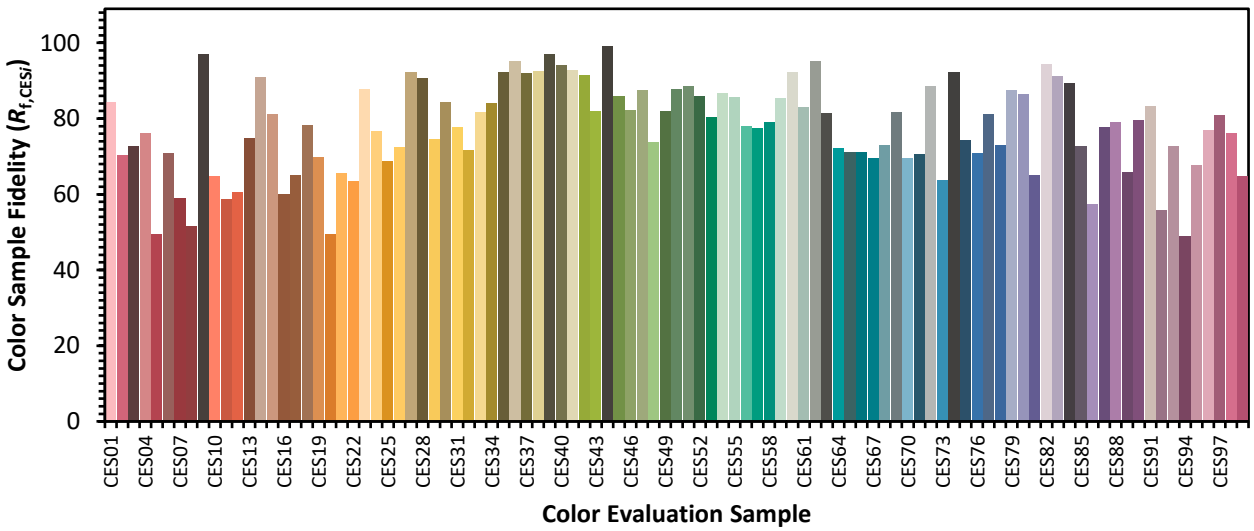


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

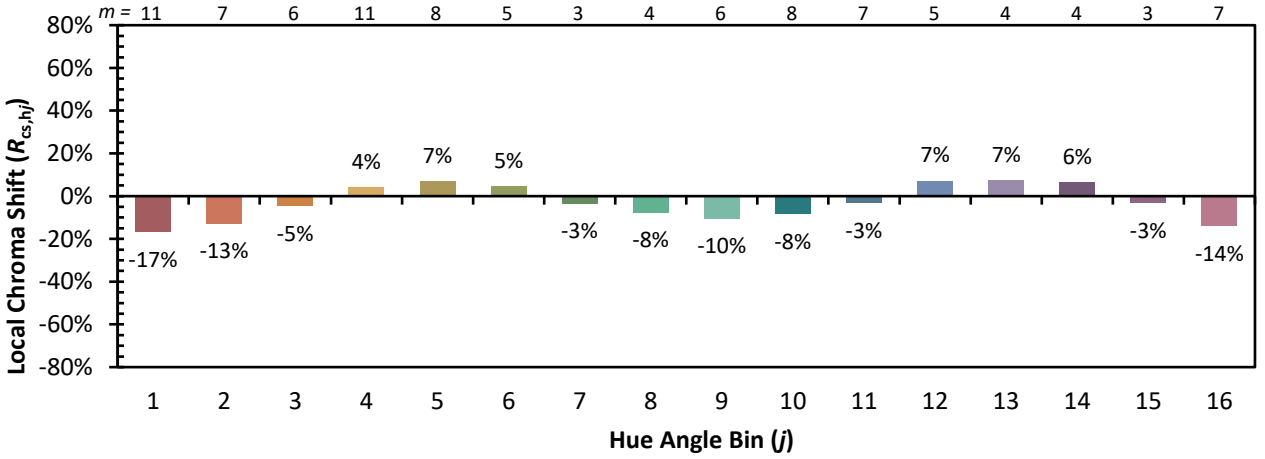
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
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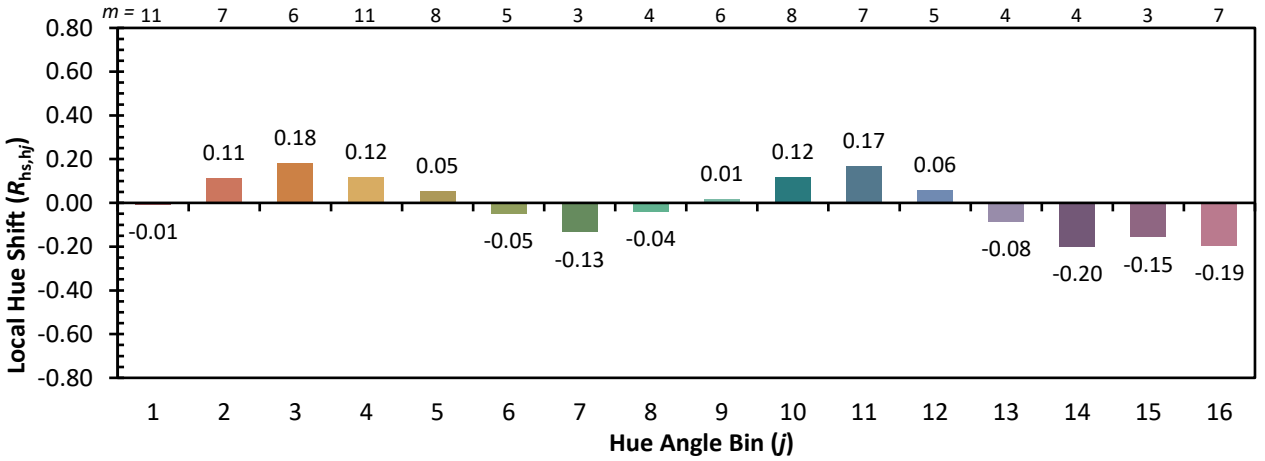


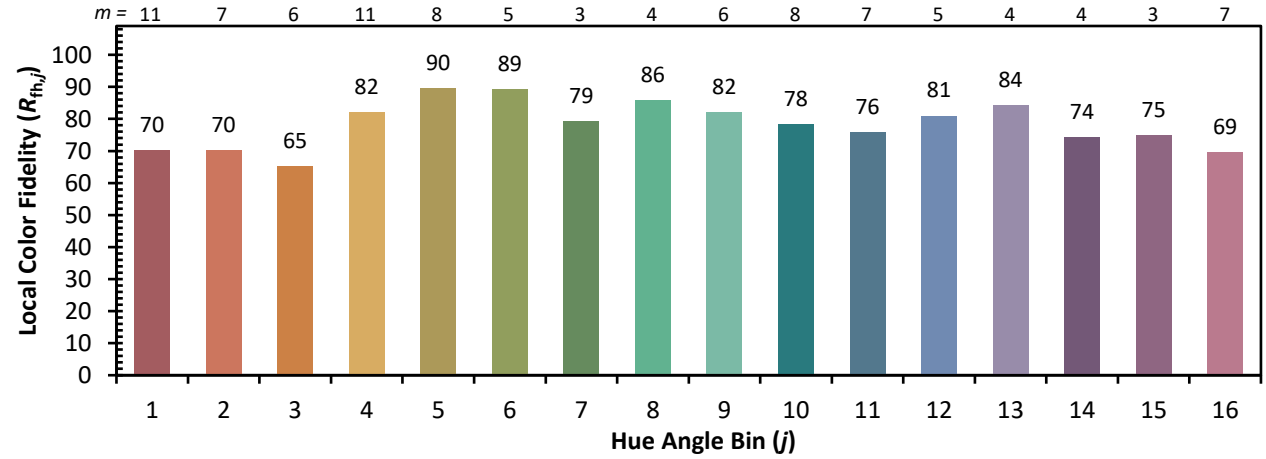
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Color Rendition by Hue-Angle Bin



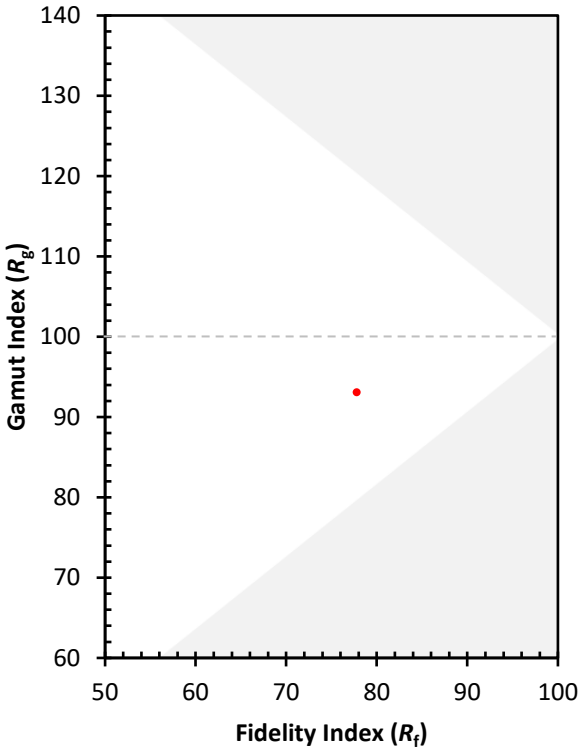


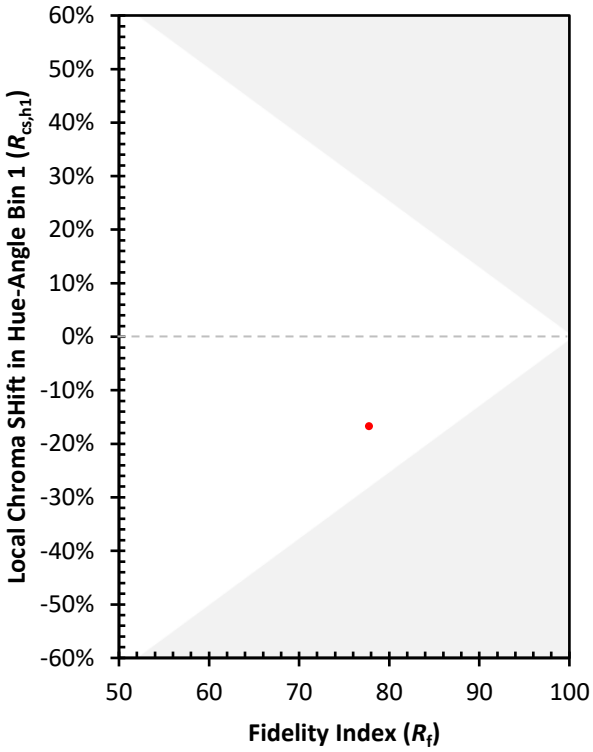


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Measure Comparisons





(END OF REPORT)