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: P1046240

Luminaire Tested: **FFX-CLB-60-727-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:	P1046240
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-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:	7979.5 lumens
Efficiency:	N/A
Efficacy:	131.7 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

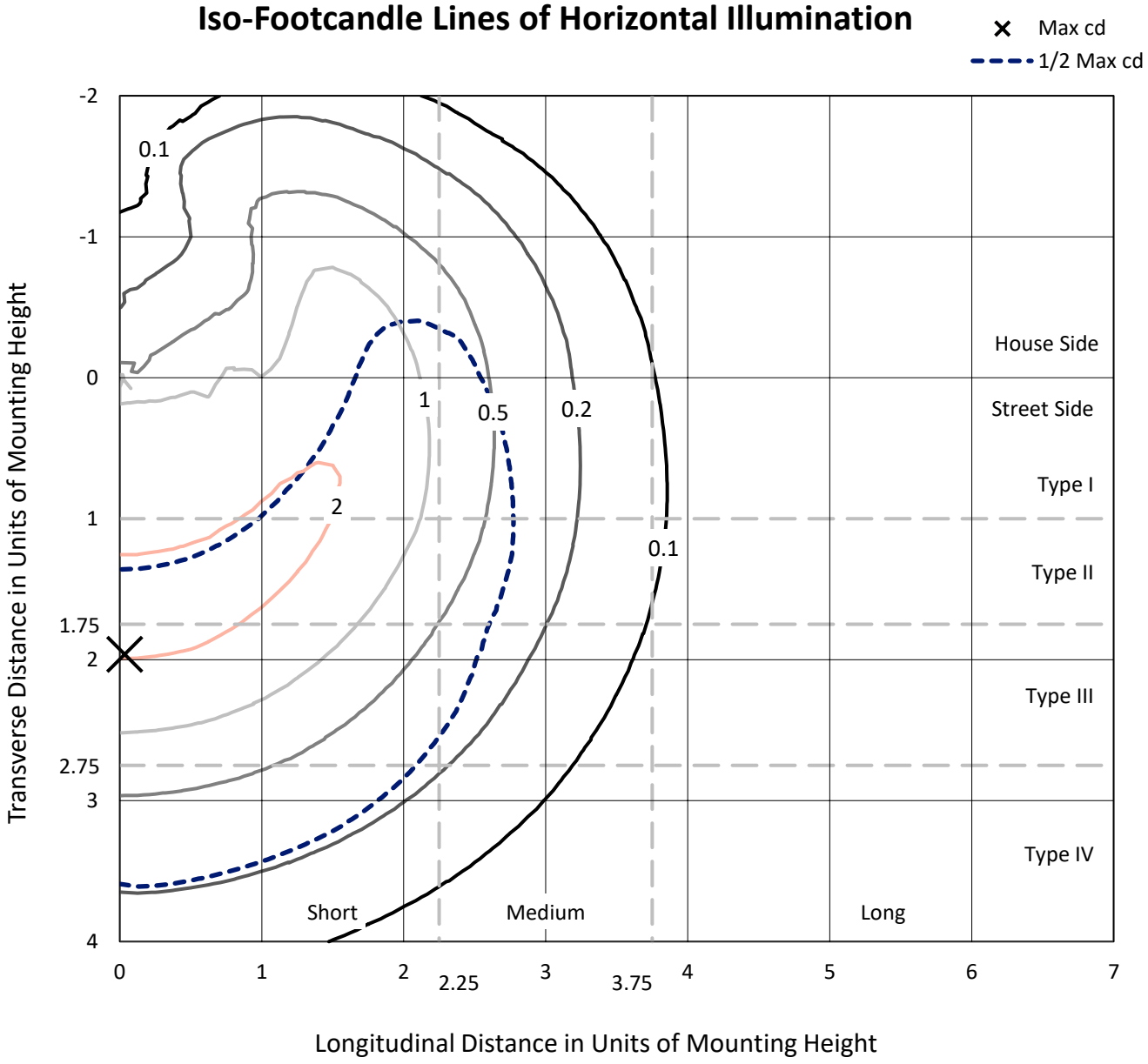


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Iso-Footcandle Lines of Horizontal Illumination



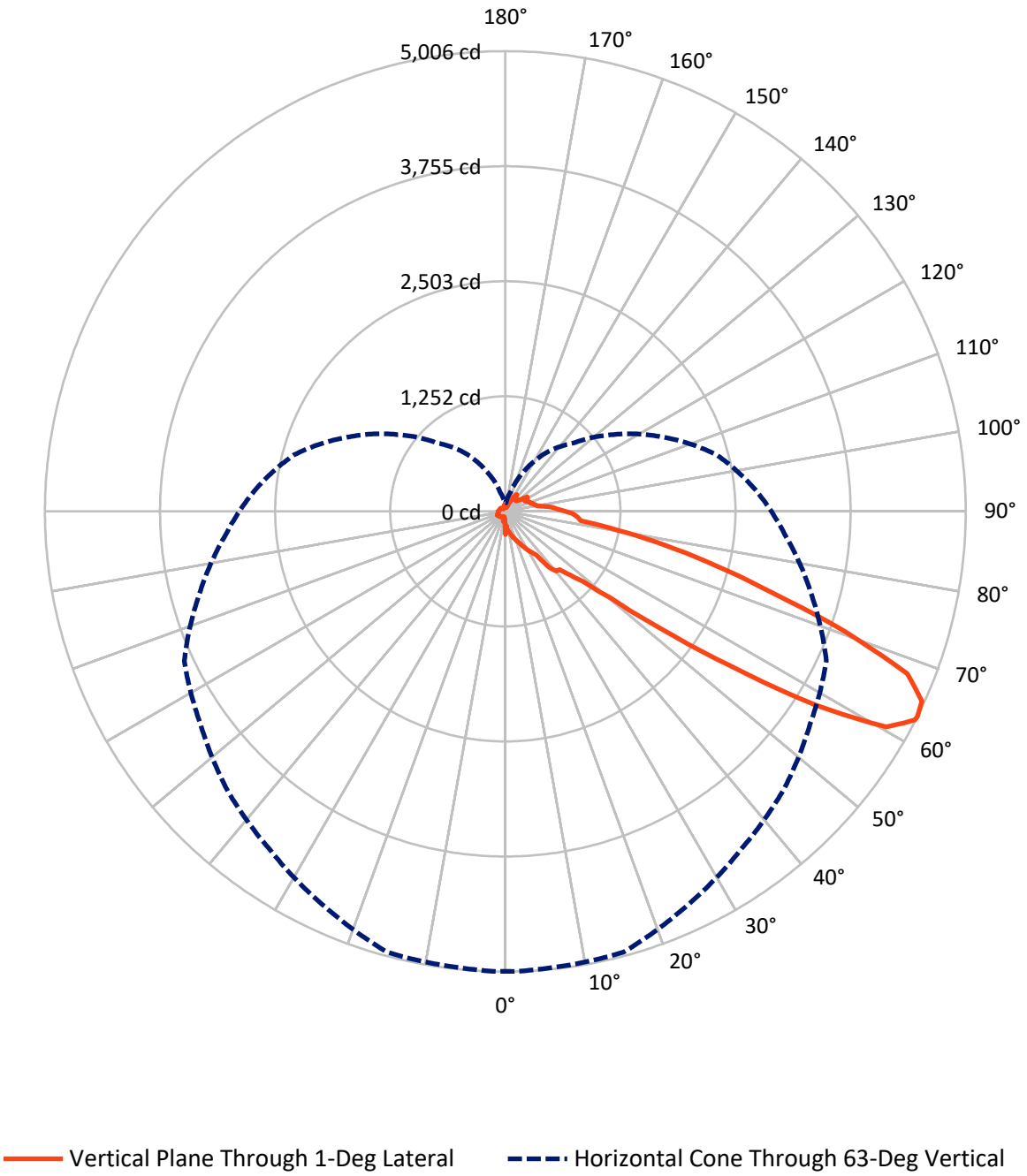
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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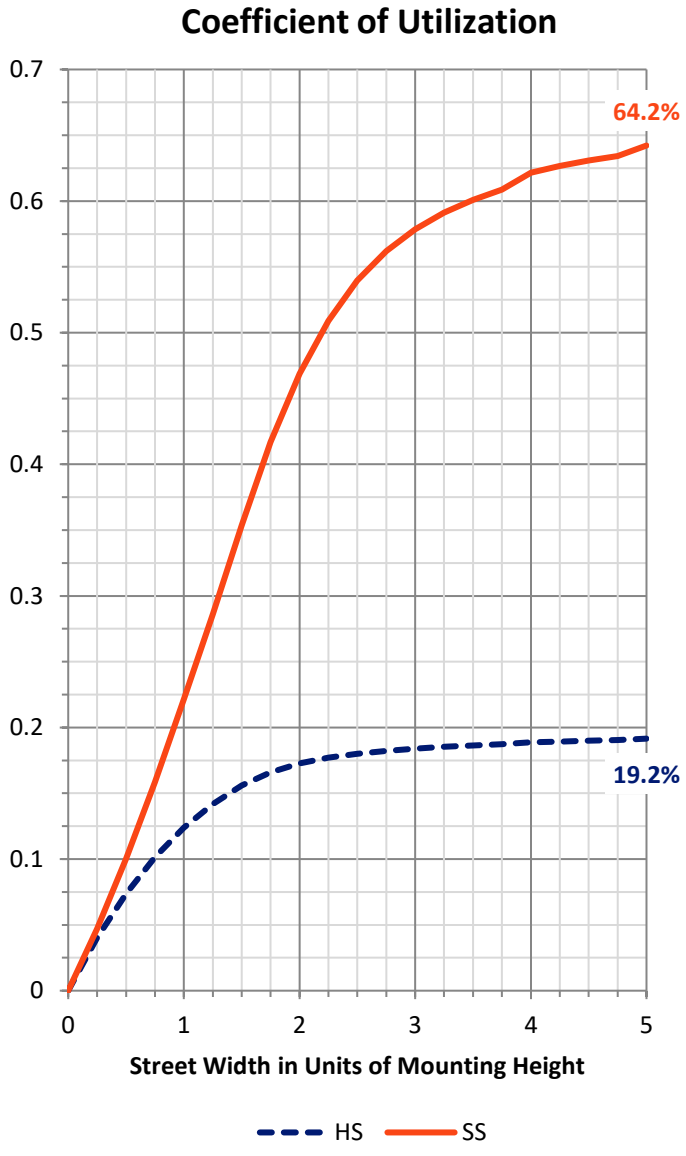
REPORT NUMBER: P1046240
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1579.9	316.5	1896.4
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	5352.5	730.7	6083.1
	% Fixture	67.1	9.2	76.2
Total	Lumens	6932.4	1047.1	7979.5
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.2
10°-20°	52.5	0.7
20°-30°	115.7	1.5
30°-40°	237.0	3.0
40°-50°	478.5	6.0
50°-60°	1544.5	19.4
60°-70°	2544.6	31.9
70°-80°	1402.7	17.6
80°-90°	541.9	6.8
90°-100°	324.9	4.1
100°-110°	207.0	2.6
110°-120°	158.3	2.0
120°-130°	135.1	1.7
130°-140°	90.6	1.1
140°-150°	77.1	1.0
150°-160°	35.2	0.4
160°-170°	14.2	0.2
170°-180°	4.8	0.1
0°-90°	6932.4	86.9
0°-180°	7979.5	100.0



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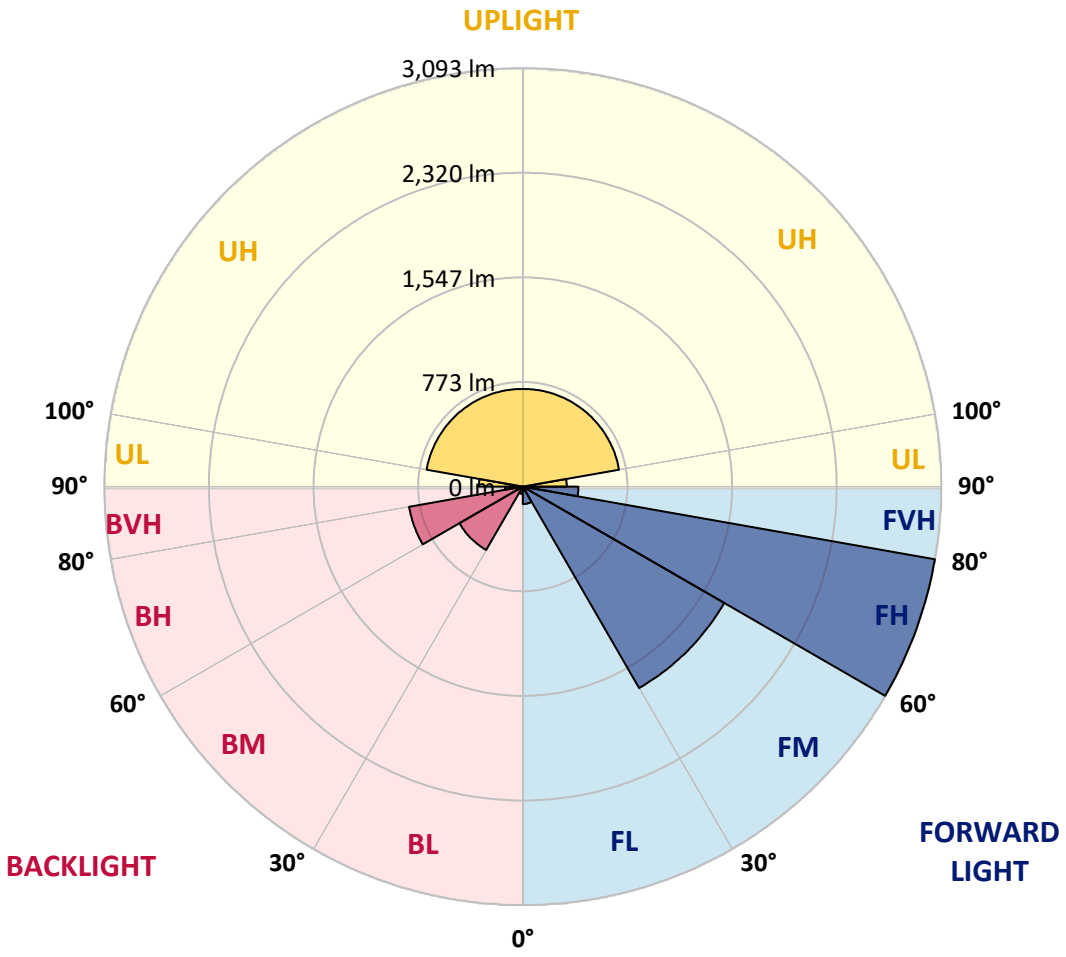
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	129.3	1.6			
FM	(30°-60°)	1719.1	21.5			
FH	(60°-80°)	3093.5	38.8			G2/5000
FVH	(80°-90°)	410.6	5.1			G3/500
BL	(0°-30°)	53.9	0.7	B0/110		
BM	(30°-60°)	540.9	6.8	B1/1000		
BH	(60°-80°)	853.9	10.7	B2/1000		G2/1000
BVH	(80°-90°)	131.3	1.6			G2/225
UL	(90°-100°)	324.9	4.1		U3/500	
UH	(100°-180°)	722.2	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°	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6
2.5°	156.1	154.4	161.8	184.5	209.5	217.4	200.9	194.7	212.9	254.9	259.4
5°	179.9	182.8	181.1	183.9	186.2	203.8	219.7	203.2	164.6	134.5	136.8
7.5°	212.3	211.7	211.7	209.5	198.1	179.9	174.8	187.9	188.5	157.8	134.0
10°	226.5	225.9	225.9	223.6	221.4	223.1	217.4	193.6	174.3	161.8	153.8
12.5°	256.6	255.4	254.9	253.7	249.8	245.2	241.2	242.4	225.9	194.7	174.3
15°	281.5	280.4	281.5	282.7	279.8	271.9	260.5	244.6	229.9	216.8	198.7
17.5°	308.8	308.2	307.7	306.5	302.5	291.8	278.1	263.4	246.9	228.8	211.7
20°	334.9	333.8	334.3	334.9	333.2	320.1	306.5	288.4	270.8	253.2	233.3
22.5°	366.1	366.1	364.4	364.4	362.7	354.8	337.7	316.7	298.6	276.4	254.3
25°	406.4	404.7	404.7	403.0	396.2	387.7	375.8	351.9	330.4	309.4	279.8
27.5°	446.2	444.4	444.4	443.9	435.4	424.0	404.1	381.4	361.0	334.3	298.6
30°	491.6	490.4	491.0	484.8	477.9	462.0	437.1	411.0	384.3	353.1	318.4
32.5°	537.5	534.1	533.6	526.8	517.7	498.4	470.6	445.6	417.8	381.4	352.5
35°	591.5	584.1	592.0	590.3	589.2	568.8	537.0	508.0	475.1	442.2	411.0
37.5°	769.7	773.1	771.4	748.7	730.5	702.7	688.5	654.5	609.1	568.8	509.7
40°	853.7	852.6	849.7	824.8	808.3	779.3	756.6	731.1	704.4	641.4	568.2
42.5°	871.9	865.6	870.2	893.4	915.0	895.7	823.6	741.3	703.9	659.6	621.5
45°	1004.7	988.8	995.6	1001.9	980.9	953.0	921.8	868.5	805.5	741.9	672.1
47.5°	1146.6	1138.1	1137.5	1135.2	1137.5	1110.8	1069.4	1020.0	930.9	862.2	784.5
50°	1492.3	1480.9	1484.3	1487.2	1475.3	1448.0	1403.2	1370.8	1264.1	1132.4	1031.4
52.5°	2126.3	2119.5	2103.6	2104.7	1997.5	1991.8	1931.1	1902.1	1744.9	1594.5	1390.7
55°	2909.1	2953.3	2904.5	2894.9	2850.6	2810.9	2658.8	2532.7	2307.4	2091.1	1852.2
57.5°	3969.4	3976.8	3914.9	3916.6	3759.4	3659.5	3519.3	3326.3	2990.8	2678.6	2410.7
60°	4741.9	4760.7	4731.7	4671.5	4367.3	4188.5	4034.1	3882.0	3626.0	3162.2	2789.3
62.5°	4993.4	4999.1	4980.9	4949.1	4680.6	4452.4	4253.8	4033.0	3836.6	3418.8	3044.2
63°	5002.5	5006.4	4992.3	4965.0	4715.8	4479.1	4280.5	4044.3	3851.9	3441.5	3059.5
65°	4978.1	4979.8	4973.5	4937.2	4738.0	4487.6	4269.1	4036.4	3859.8	3450.6	3059.5
67.5°	4758.4	4715.3	4733.4	4672.1	4506.4	4257.2	4048.3	3811.0	3652.1	3256.5	2881.8
70°	3914.9	3917.7	3914.9	3881.4	3834.3	3637.3	3393.3	3179.8	2978.9	2668.4	2374.4
72.5°	3028.8	3040.8	3014.7	3033.9	2995.9	2833.0	2675.2	2458.9	2317.6	2054.2	1794.8
75°	2346.0	2370.4	2378.3	2323.3	2290.4	2255.7	2169.5	2013.9	1872.6	1668.8	1442.3
77.5°	1772.7	1777.2	1784.0	1746.6	1703.4	1717.1	1704.6	1630.8	1512.2	1362.3	1182.4
80°	1224.9	1238.0	1260.1	1238.6	1243.7	1235.7	1234.0	1175.0	1089.3	995.0	898.5
82.5°	823.1	822.5	828.2	862.8	894.6	893.4	842.9	760.0	716.3	689.1	634.6
85°	787.9	787.9	795.8	770.8	754.9	739.0	735.6	707.3	673.8	612.5	537.0
87.5°	734.5	732.8	735.1	713.5	692.5	687.4	682.3	657.9	643.1	589.8	520.5
90°	628.4	632.9	632.9	631.2	618.1	613.0	592.6	572.2	563.1	514.8	460.3
92.5°	554.6	554.6	560.8	550.0	535.8	543.8	508.6	481.9	469.4	437.1	393.9
95°	501.2	499.5	507.5	492.1	481.9	467.2	452.4	424.6	415.5	387.7	344.0
97.5°	400.2	398.5	403.0	395.6	379.7	372.9	357.0	334.9	326.4	300.3	273.6
100°	344.5	344.0	345.7	341.7	332.6	324.1	310.5	292.9	284.9	263.4	239.5
102.5°	327.0	325.2	325.8	326.4	313.3	305.4	292.3	278.7	270.8	253.2	227.0
105°	311.1	309.9	308.8	308.8	294.0	286.1	277.6	268.5	261.7	242.4	217.4
107.5°	296.3	294.6	290.6	290.1	280.4	271.9	261.7	253.7	246.9	229.3	205.5

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	279.8	*279.3*	277.0	277.6	271.3	258.3	249.8	240.1	231.6	216.3	195.3
112.5°	271.3	*271.3*	269.6	272.5	248.6	235.6	226.5	218.0	212.3	197.5	181.6
115°	262.2	*257.7*	256.0	261.7	234.4	216.3	207.2	198.1	192.4	177.7	164.6
117.5°	242.9	*241.8*	242.4	246.9	239.0	219.1	204.3	193.0	187.3	176.5	164.6
120°	277.0	*275.9*	269.1	267.9	254.3	238.4	228.8	222.5	214.0	196.4	173.7
122.5°	289.5	*287.2*	276.4	279.8	261.7	253.7	249.8	247.5	239.5	216.3	181.6
125°	252.0	*248.6*	245.8	246.9	236.7	226.5	222.5	219.1	211.2	198.1	173.1
127.5°	202.1	*203.8*	201.5	195.3	193.6	178.2	173.1	169.2	161.8	151.0	147.0
130°	189.6	*188.5*	187.9	186.7	185.6	174.3	166.3	156.7	150.4	141.3	130.6
132.5°	168.6	*169.7*	171.4	181.1	190.2	180.5	160.1	145.3	141.3	143.0	138.5
135°	160.1	*160.6*	160.6	168.0	176.0	166.3	151.0	136.8	135.1	141.3	135.7
137.5°	164.0	*166.9*	166.3	164.6	160.1	153.3	149.9	141.9	137.4	133.4	123.7
140°	173.1	*176.5*	174.8	165.2	161.8	158.4	160.6	157.8	146.4	132.8	118.6
142.5°	172.0	*174.8*	173.7	172.6	178.8	170.9	160.1	149.3	140.2	132.8	123.7
145°	223.1	*221.9*	217.4	217.4	210.0	198.1	190.7	179.4	168.6	158.9	144.2
147.5°	206.0	*208.9*	210.0	204.9	201.5	193.6	192.4	186.2	182.8	174.3	158.9
150°	163.5	*165.7*	162.3	158.4	156.7	157.2	154.4	149.9	146.4	140.2	133.4
152.5°	113.0	*114.1*	113.0	109.6	108.4	106.7	107.3	103.9	101.6	97.6	91.4
155°	102.7	*103.3*	103.9	98.2	97.1	97.6	98.2	95.9	91.4	88.0	80.6
157.5°	80.6	*79.5*	79.5	78.3	78.9	77.2	77.2	76.6	74.9	72.7	70.4
160°	64.1	*64.7*	64.7	64.7	65.8	64.7	64.7	63.0	63.0	61.9	60.7
162.5°	54.5	*54.5*	54.5	54.5	53.9	53.9	55.1	54.5	54.5	55.1	56.2
165°	46.0	*46.5*	46.5	46.5	46.5	46.5	47.7	47.7	48.8	51.1	53.9
167.5°	43.1	*42.6*	42.6	43.1	43.1	44.3	44.3	46.5	50.5	54.5	54.5
170°	40.9	*40.9*	40.9	41.4	41.4	42.0	43.7	47.7	52.2	53.9	51.7
172.5°	42.6	*42.0*	42.0	42.6	42.6	44.3	46.5	50.0	51.7	51.7	49.4
175°	43.7	*43.1*	43.1	43.7	43.7	44.8	47.1	49.4	50.5	51.1	51.1
177.5°	42.6	*42.6*	42.6	42.6	42.6	43.1	43.1	44.8	46.0	47.1	48.2
180°	40.9	*40.9*	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6
2.5°	259.4	236.7	203.2	162.3	189.0	221.9	217.4	191.9	153.3	115.2	115.2
5°	143.6	152.1	160.6	140.8	126.0	124.9	121.5	109.0	107.3	88.5	83.4
7.5°	125.4	117.5	115.8	136.8	135.1	89.1	70.4	62.4	65.8	89.1	92.0
10°	150.4	147.0	136.2	113.5	94.8	86.3	85.7	86.8	79.5	64.1	60.2
12.5°	169.7	164.0	154.4	147.6	126.0	100.5	86.3	80.0	84.6	107.3	112.4
15°	188.5	180.5	164.0	145.3	123.7	105.0	90.3	77.2	77.2	73.8	72.1
17.5°	203.2	193.0	173.1	152.7	128.3	105.0	85.7	72.7	66.4	65.3	65.3
20°	221.9	212.3	190.7	165.7	135.1	106.1	85.1	72.7	65.3	62.4	61.9
22.5°	245.2	232.7	204.9	175.4	139.1	107.3	86.3	73.2	65.8	61.9	60.7
25°	266.8	252.6	219.7	189.0	148.1	110.1	87.4	74.9	67.0	62.4	61.9
27.5°	284.4	269.1	238.4	203.2	157.8	116.9	93.1	78.3	68.7	64.1	63.0
30°	304.2	290.1	257.7	218.0	166.9	125.4	101.0	84.6	73.8	67.5	67.0
32.5°	333.8	316.2	278.7	233.3	177.7	134.5	109.0	90.3	77.2	73.8	73.8
35°	387.1	369.0	319.6	258.3	187.9	143.6	116.9	96.5	82.3	74.4	73.8
37.5°	487.0	462.0	400.2	315.0	205.5	151.0	123.7	101.6	85.1	73.8	72.1
40°	533.0	490.4	424.6	345.1	231.0	159.5	129.4	105.6	85.7	75.5	74.4
42.5°	587.5	551.7	458.6	352.5	249.8	180.5	139.1	110.1	89.1	77.8	76.6
45°	639.7	605.1	526.8	416.6	291.8	211.7	156.1	119.2	94.8	81.2	78.9
47.5°	734.5	698.2	589.2	482.5	349.7	260.5	190.2	133.4	102.7	84.6	81.7
50°	980.9	929.2	800.9	639.1	447.3	330.9	243.5	162.9	113.5	86.3	82.9
52.5°	1298.7	1219.8	1080.8	874.1	639.7	468.3	341.1	236.7	132.3	86.8	81.7
55°	1814.1	1717.1	1493.4	1191.4	895.7	698.7	516.5	363.8	194.7	90.8	81.2
57.5°	2302.9	2230.8	2035.5	1630.2	1188.0	887.8	679.4	512.0	265.1	99.9	85.1
60°	2662.2	2524.8	2296.6	1881.1	1435.0	1030.2	756.1	532.4	272.5	101.6	88.0
62.5°	2876.7	2707.0	2368.7	1917.4	1470.1	1059.8	786.7	489.9	220.2	99.3	92.0
63°	*2892.6*	*2728.0*	*2377.8*	*1904.9*	*1458.8*	*1051.8*	*782.2*	*479.6*	*214.0*	*98.8*	*93.1*
65°	2872.7	2729.7	2346.0	1839.7	1362.3	981.4	728.3	430.8	173.7	97.1	94.2
67.5°	2675.2	2558.8	2179.7	1663.1	1213.0	847.5	602.8	328.7	135.7	92.5	91.4
70°	2239.3	2105.9	1761.9	1374.8	961.6	684.6	480.8	254.9	111.8	88.0	86.8
72.5°	1666.5	1610.9	1338.5	1046.1	739.6	527.9	361.0	193.6	99.3	84.6	83.4
75°	1347.5	1264.1	1061.5	826.5	562.5	392.2	267.9	145.3	90.8	81.7	80.6
77.5°	1114.2	1058.6	883.2	623.8	401.3	282.7	197.0	115.2	86.8	80.0	79.5
80°	862.8	828.2	689.1	461.5	287.2	210.6	156.1	105.6	85.1	79.5	78.9
82.5°	608.5	597.7	501.8	345.1	244.1	188.5	145.3	103.9	85.7	80.6	79.5
85°	504.1	480.8	422.3	328.1	231.6	180.5	140.2	102.2	85.7	80.0	79.5
87.5°	491.0	471.7	408.7	307.1	212.3	166.9	131.7	98.2	82.9	77.8	77.2
90°	443.9	424.6	366.1	274.2	199.8	156.7	123.2	93.1	79.5	75.5	74.4
92.5°	378.6	361.0	317.9	249.2	191.3	150.4	119.8	91.4	78.9	74.4	73.8
95°	328.7	313.9	278.7	229.3	176.5	140.2	113.5	88.0	76.6	72.7	72.1
97.5°	261.7	252.6	225.3	186.7	149.3	122.6	101.6	82.9	73.8	70.4	69.8
100°	230.5	222.5	200.9	169.2	138.5	115.8	98.2	81.2	71.5	68.7	68.1
102.5°	216.3	210.0	190.7	158.9	130.0	110.1	93.7	78.3	69.8	67.0	66.4
105°	205.5	199.8	182.2	151.6	122.6	102.7	88.0	74.9	67.0	64.7	64.1
107.5°	192.4	187.9	170.9	140.8	115.2	96.5	83.4	72.1	65.3	63.0	63.0

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

Scaled Data Report

REPORT NUMBER: P1046240
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	181.6	178.2	160.6	134.5	110.1	92.5	80.6	71.0	64.7	62.4	62.4
112.5°	170.3	166.3	149.9	126.6	105.6	89.7	78.3	69.3	63.6	61.3	61.3
115°	157.8	153.8	137.9	117.5	99.9	85.1	74.9	66.4	61.3	59.6	59.6
117.5°	160.1	149.9	130.6	112.4	95.4	81.7	72.7	65.3	59.6	58.5	57.9
120°	162.3	149.3	135.1	118.1	98.2	80.0	71.0	63.6	59.0	57.3	57.3
122.5°	158.4	160.1	147.6	121.5	93.7	78.3	70.4	64.1	59.6	57.9	58.5
125°	155.0	158.9	144.2	114.7	90.3	77.8	70.4	65.8	61.9	60.2	60.2
127.5°	142.5	143.0	122.6	102.7	88.0	76.1	69.8	66.4	63.0	60.7	59.6
130°	125.4	124.3	114.7	99.9	82.9	73.2	67.5	65.8	62.4	58.5	57.9
132.5°	134.5	131.1	115.2	94.8	78.3	70.4	67.0	64.7	59.0	54.5	53.9
135°	127.7	124.3	107.8	88.5	76.1	71.5	69.8	64.1	55.6	52.2	51.7
137.5°	116.4	110.7	97.1	84.6	77.2	74.4	70.4	63.0	54.5	50.5	50.0
140°	111.8	106.1	95.4	86.8	78.3	69.3	62.4	55.6	50.0	46.5	46.0
142.5°	117.5	113.0	102.2	86.8	73.2	63.6	57.3	52.8	47.7	42.6	42.0
145°	136.8	128.3	113.5	97.6	83.4	72.1	62.4	52.8	43.7	38.0	37.5
147.5°	151.6	144.7	128.9	110.7	90.8	72.7	58.5	46.5	39.2	35.8	35.2
150°	126.0	122.0	110.1	95.4	80.6	64.1	50.5	41.4	36.9	35.8	35.8
152.5°	88.0	85.1	81.2	71.5	60.2	50.5	43.1	38.6	36.9	36.3	36.3
155°	77.8	76.1	71.0	62.4	54.5	47.1	41.4	38.0	37.5	36.9	36.9
157.5°	67.0	66.4	63.0	56.2	50.0	44.3	40.3	38.6	37.5	36.9	36.9
160°	60.2	58.5	55.1	50.5	46.5	43.1	40.9	39.7	38.6	38.0	38.0
162.5°	56.2	55.1	51.1	47.7	45.4	44.8	45.4	44.8	42.0	40.3	39.7
165°	53.4	52.8	48.8	46.5	45.4	48.2	51.7	50.5	45.4	42.6	42.6
167.5°	53.4	52.2	48.2	46.5	49.4	53.4	56.2	55.6	51.1	48.2	46.5
170°	50.5	49.4	48.2	48.8	52.8	54.5	55.1	56.2	56.8	59.6	60.7
172.5°	48.8	48.8	50.0	52.2	55.6	56.2	54.5	55.1	60.2	66.4	67.0
175°	51.1	51.1	53.4	57.3	59.0	60.2	57.9	58.5	64.1	70.4	71.0
177.5°	48.8	49.4	50.5	51.1	50.5	48.8	48.2	50.5	48.8	48.2	50.0
180°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9

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

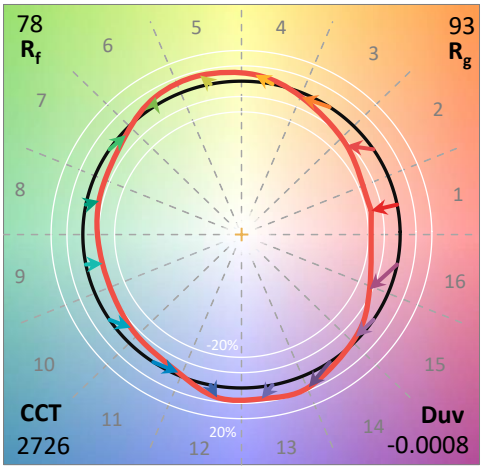
Test Information

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

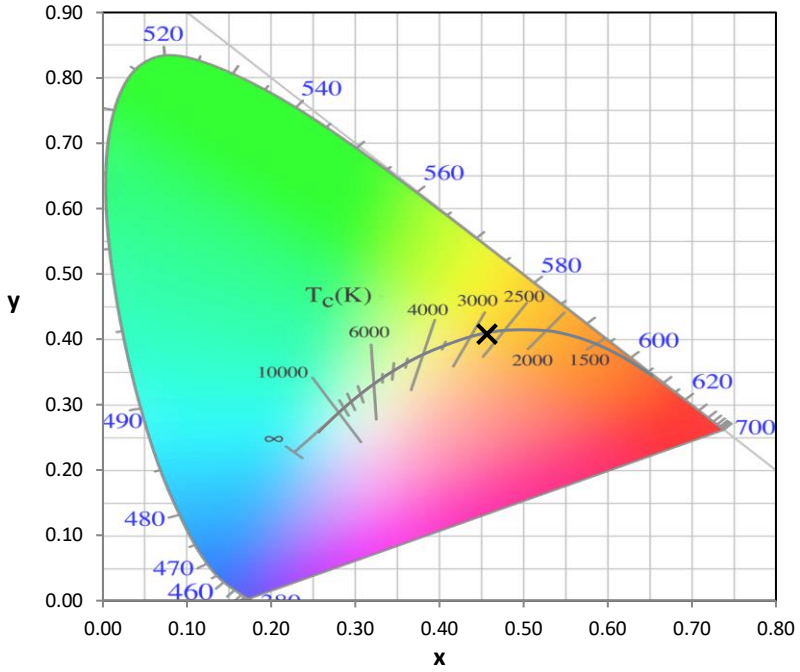
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

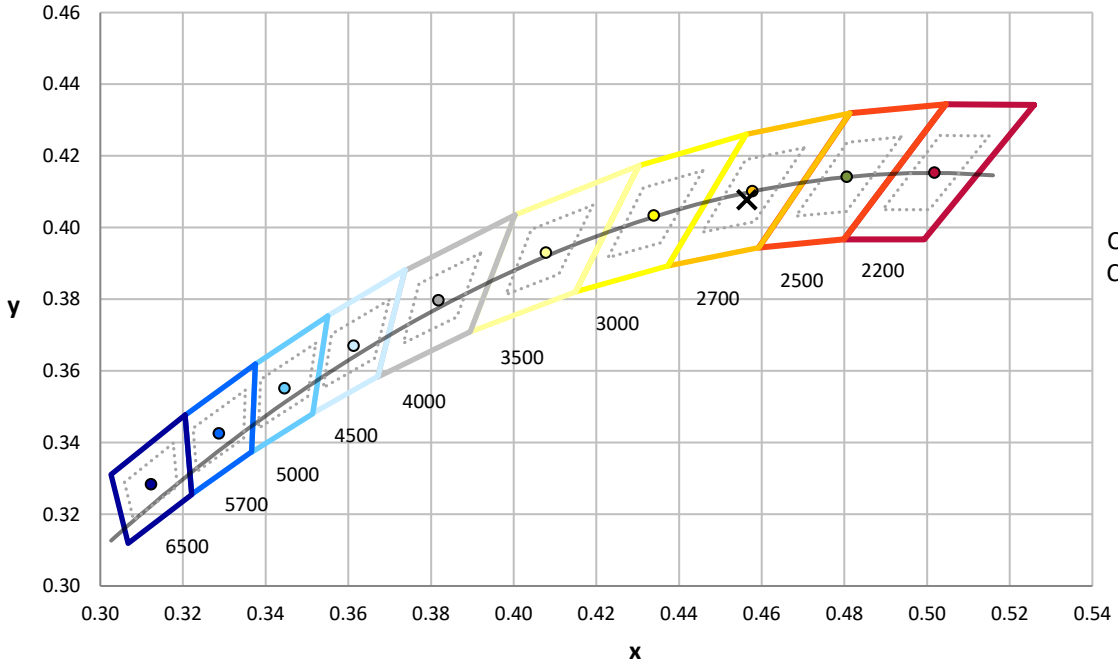
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

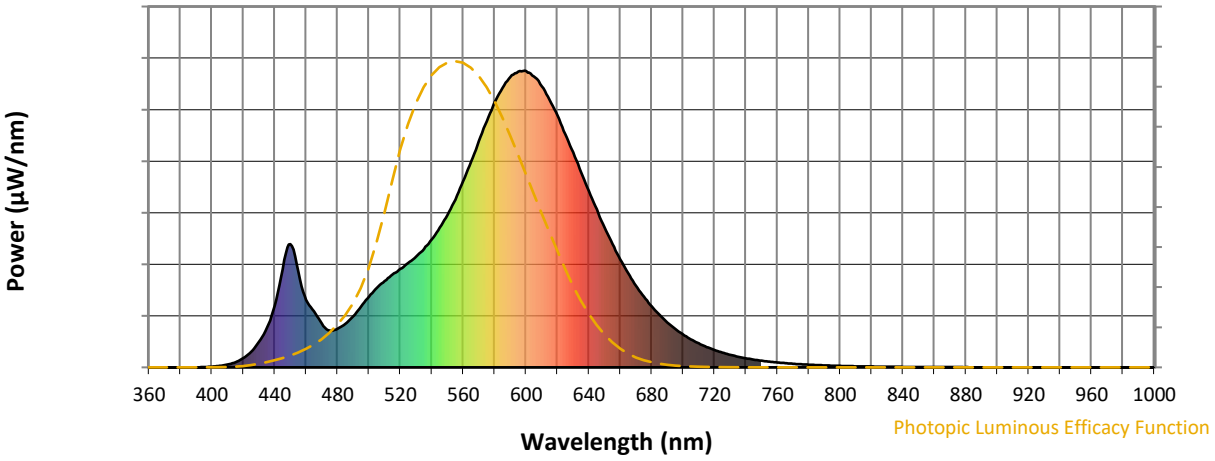


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

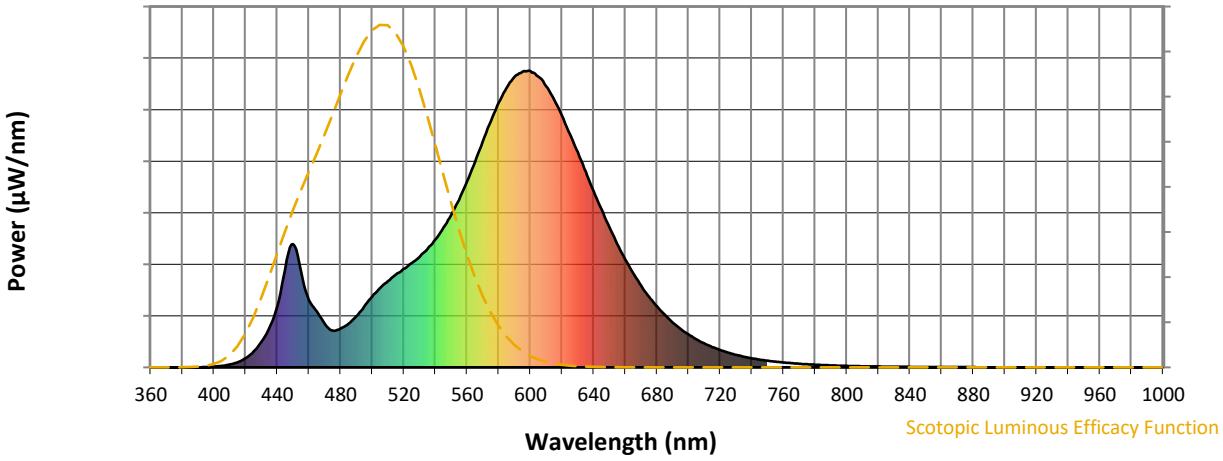


Photopic Lumens: NR

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

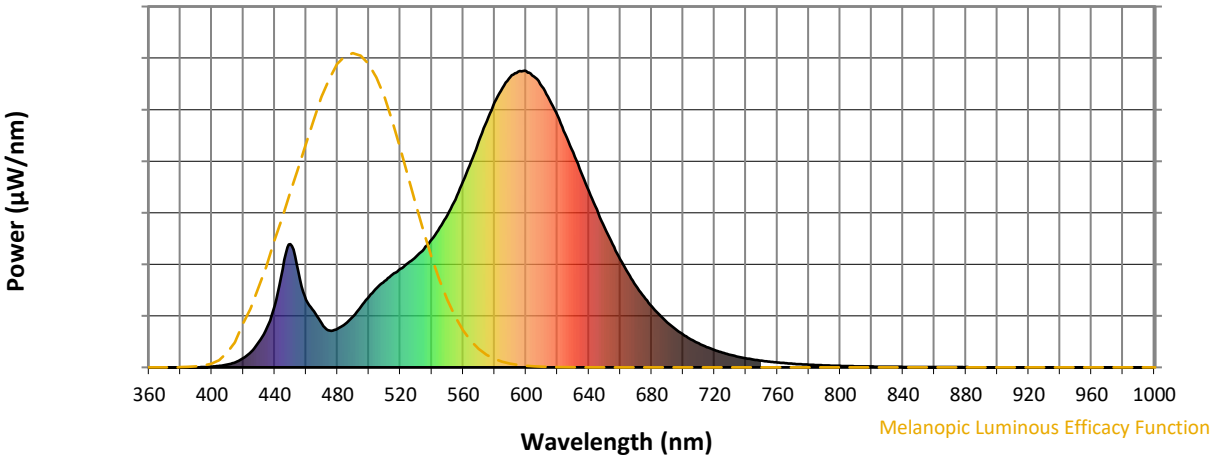


Scotopic Lumens: NR **S/P: 1.16**

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			

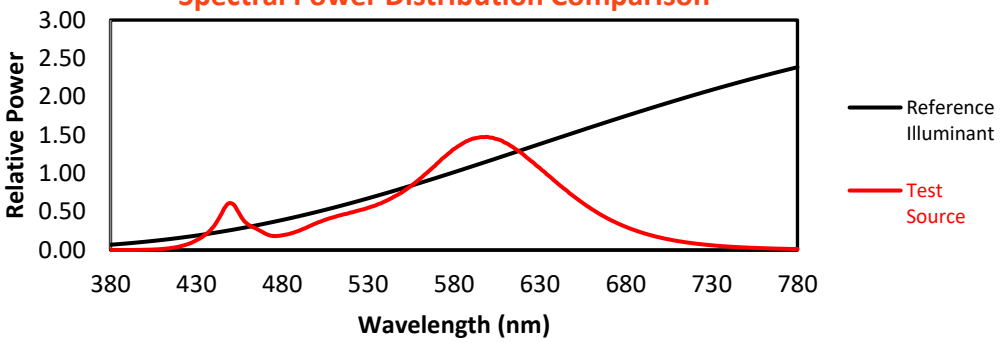
REPORT NUMBER: SP1-2501-332-3

TM-30-18

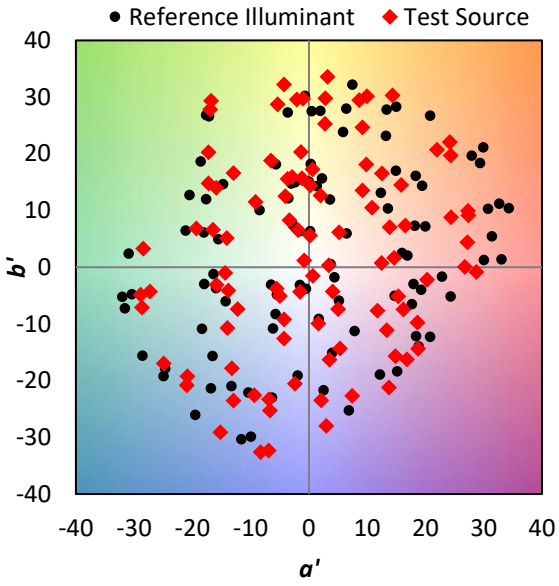
Summary

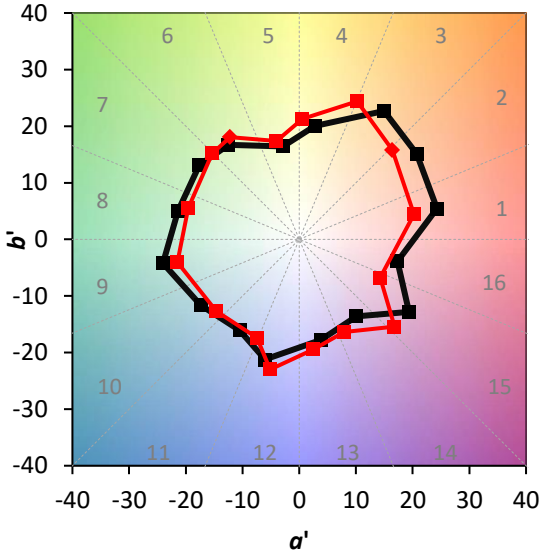
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

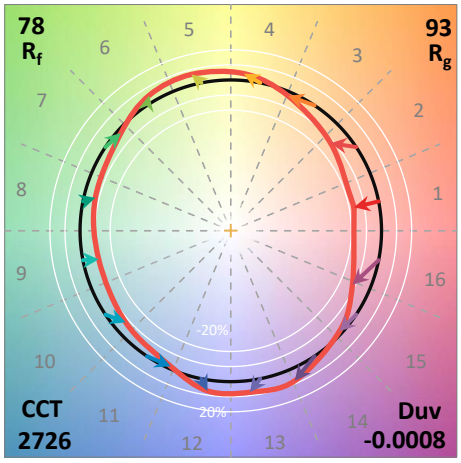
Spectral Power Distribution Comparison

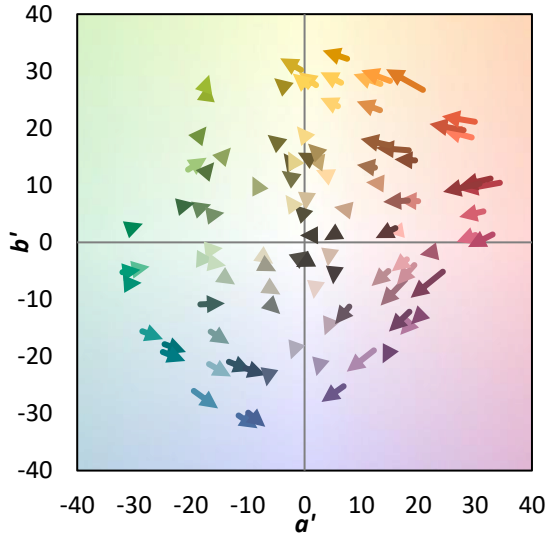


Color Vector Graphics







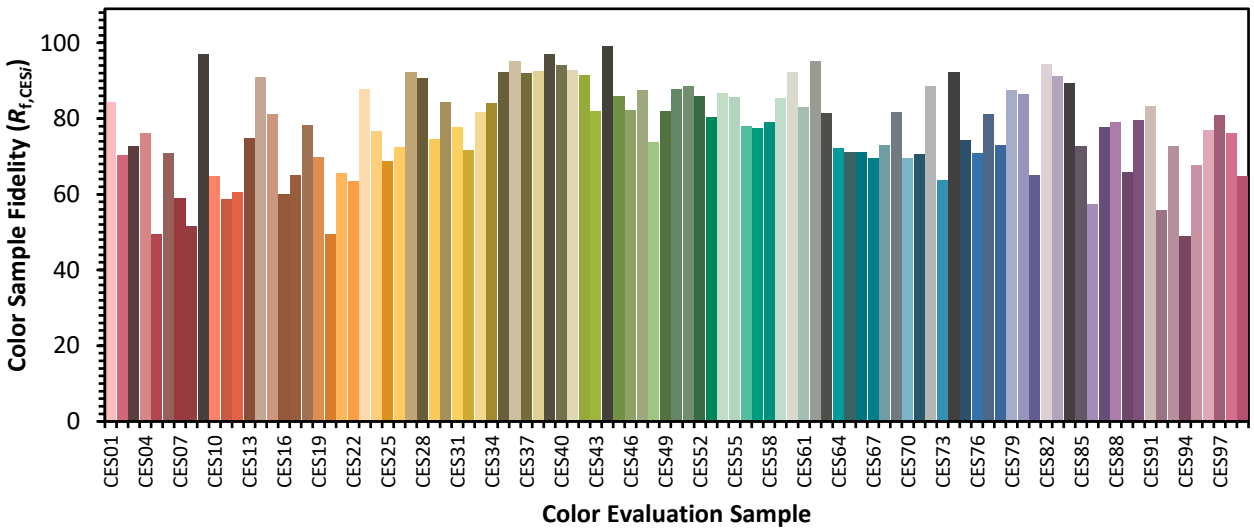


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

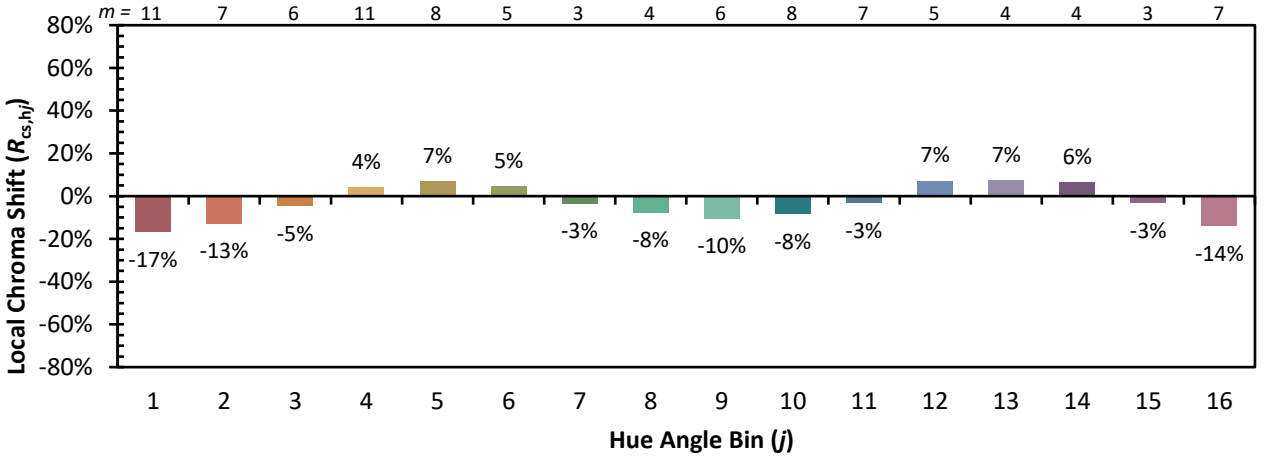
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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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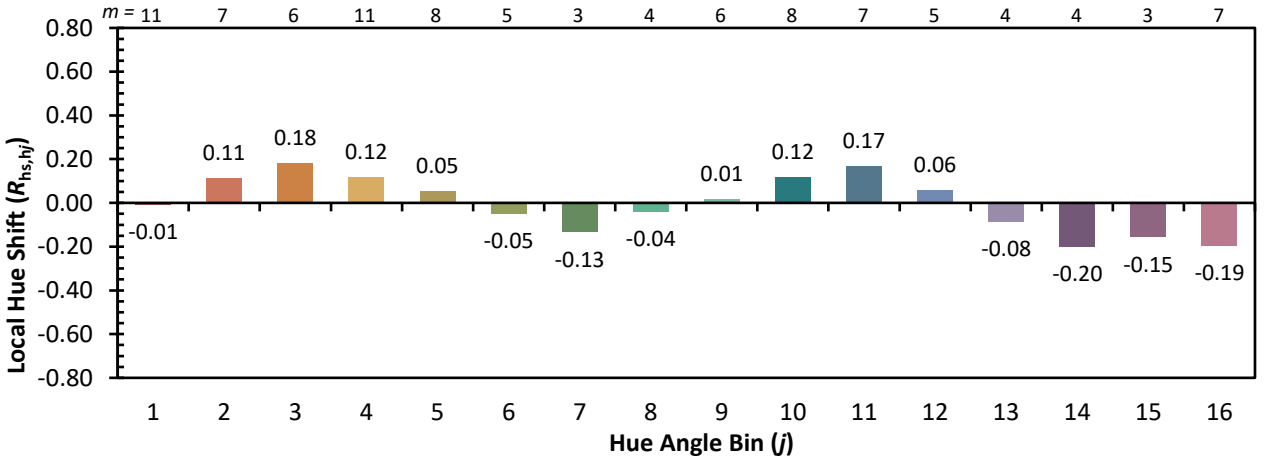


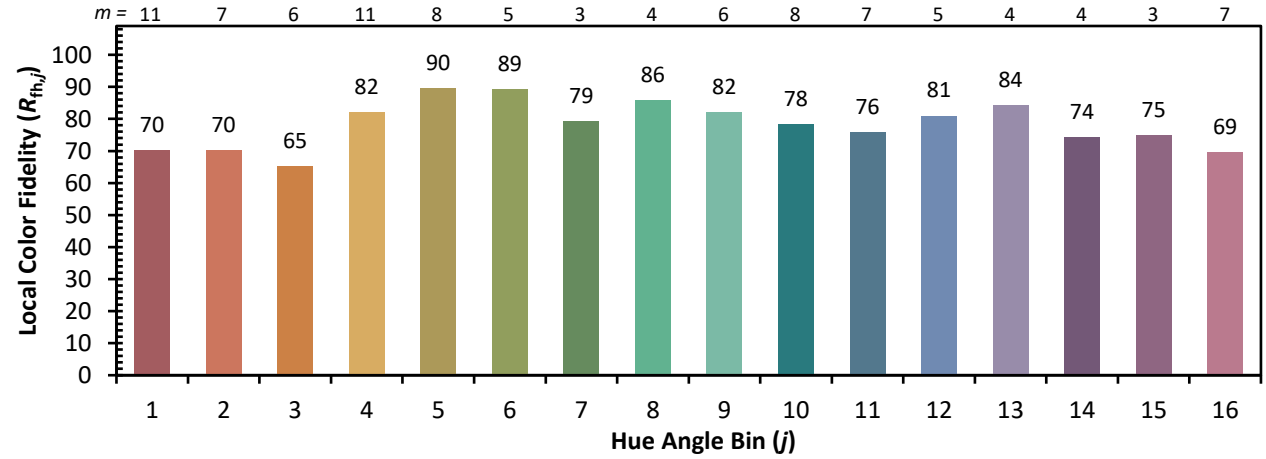
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Color Rendition by Hue-Angle Bin



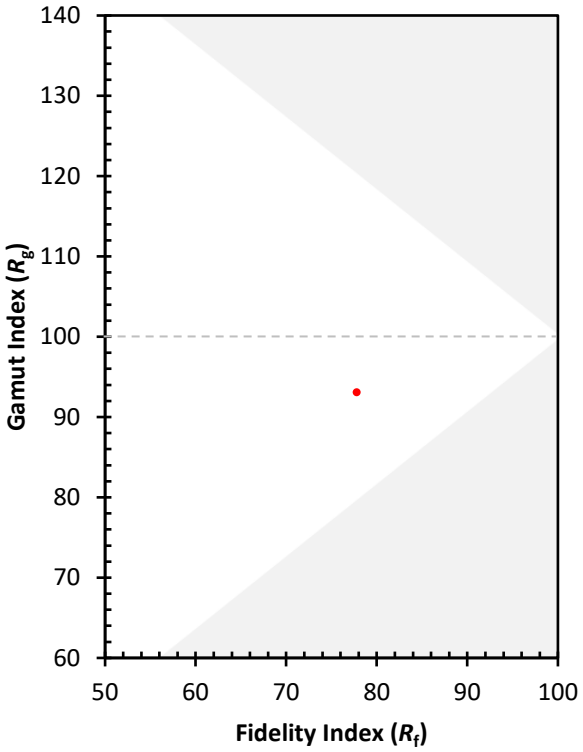


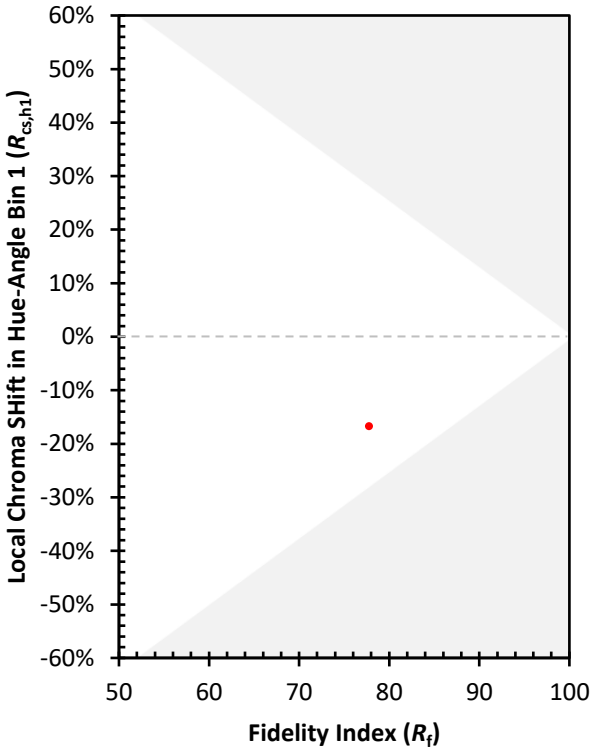


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Measure Comparisons





(END OF REPORT)