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: P981419

Luminaire Tested: **FFX-CLB-60-727-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981419
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8817.4 lumens
Efficiency:	N/A
Efficacy:	145.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U5 - 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

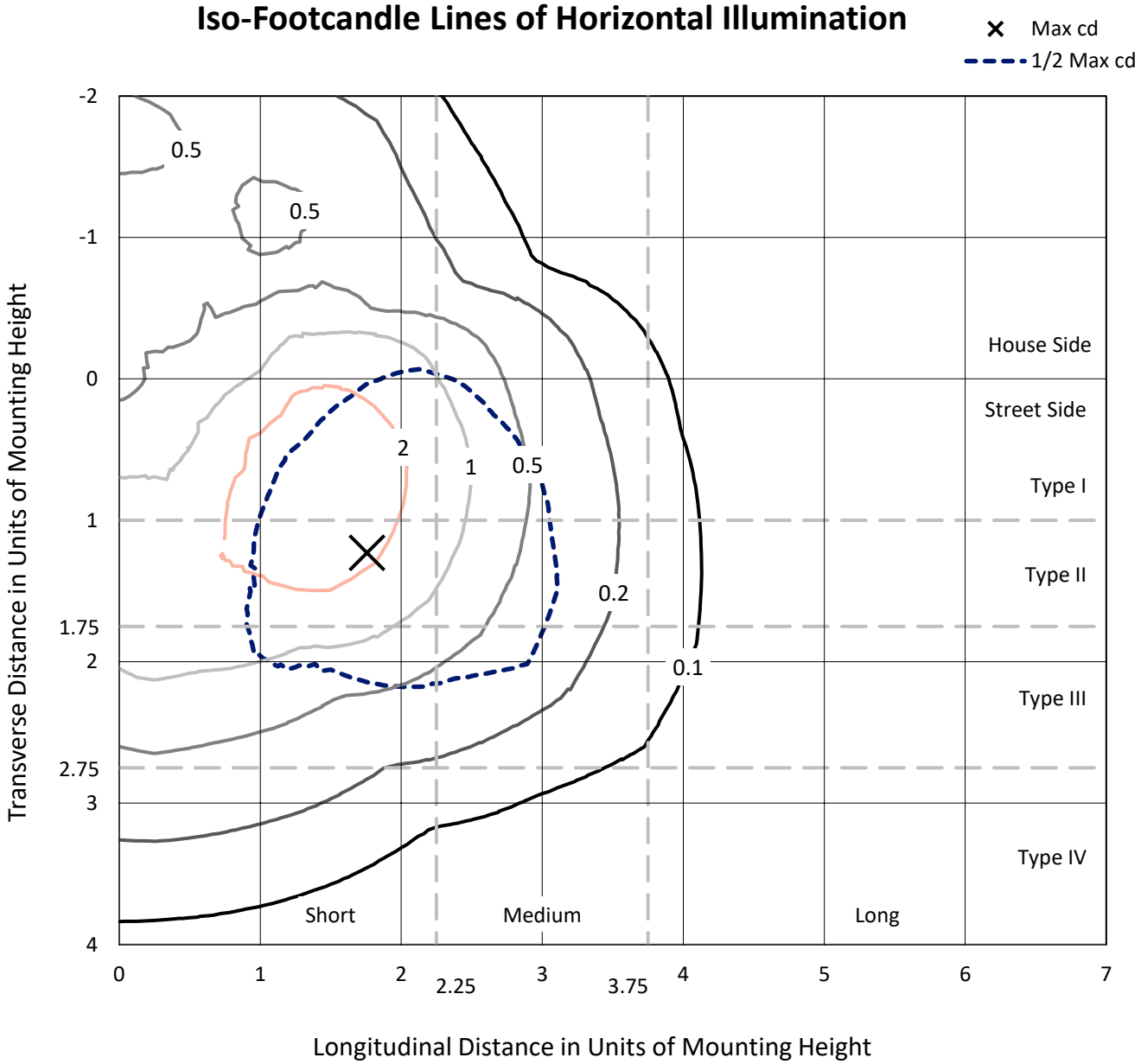


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Iso-Footcandle Lines of Horizontal Illumination



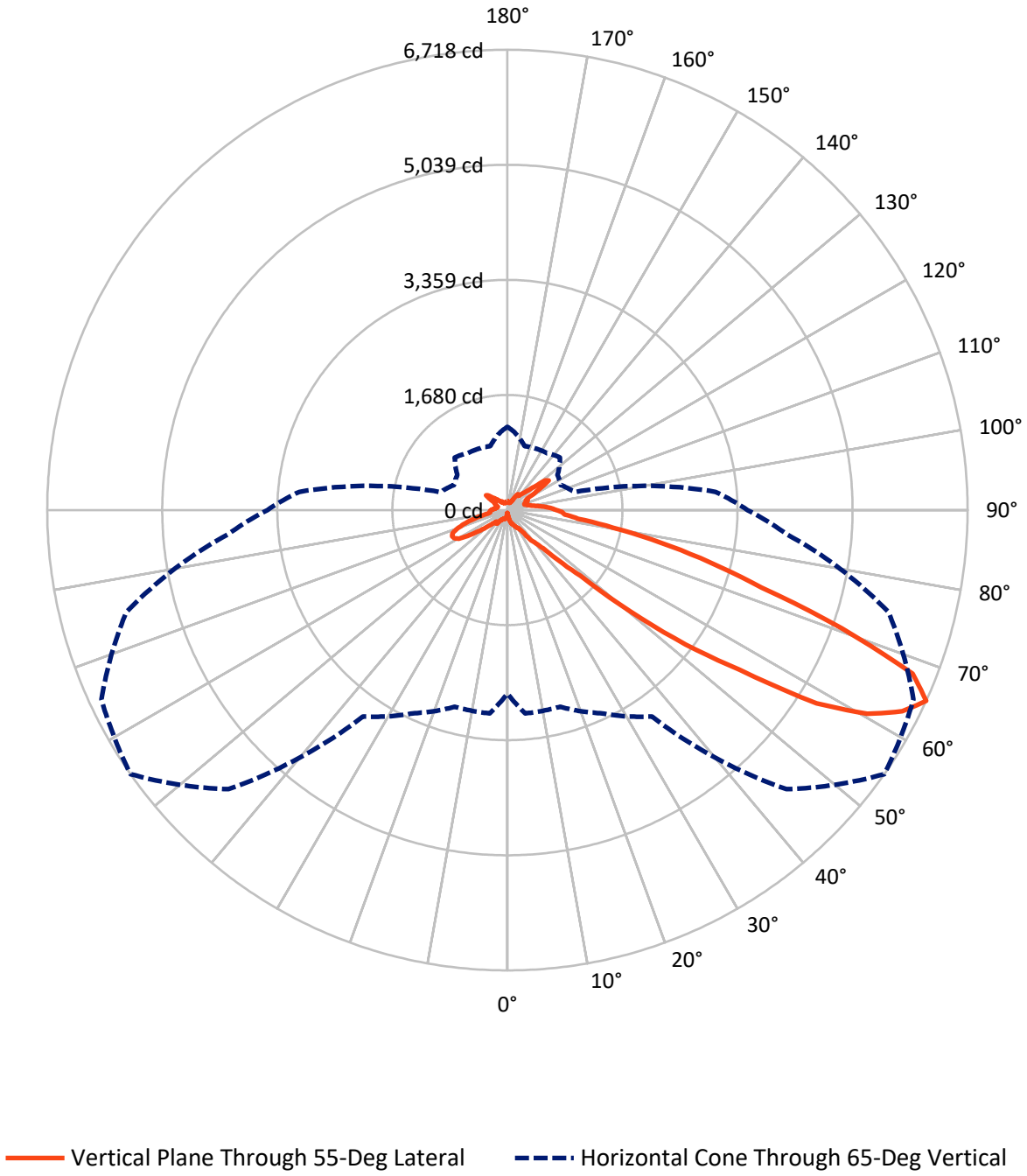
Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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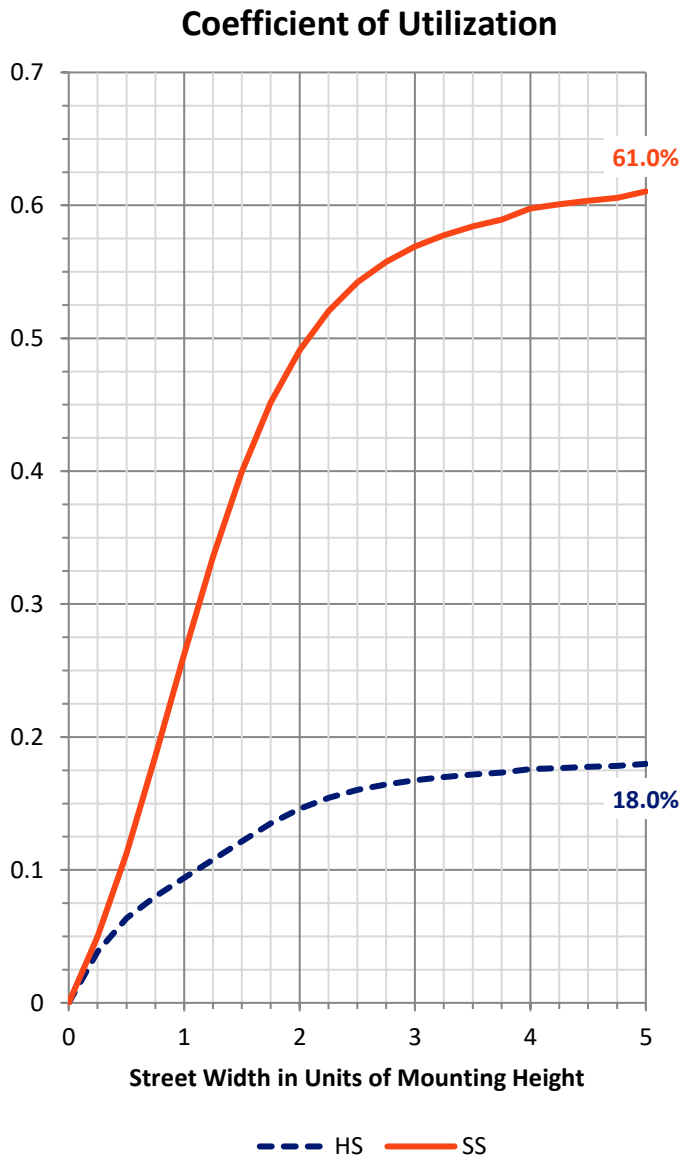
REPORT NUMBER: P981419
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.8	592.1	2244.9
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	5556.8	1015.8	6572.5
	% Fixture	63.0	11.5	74.5
Total	Lumens	7209.5	1607.9	8817.4
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	44.8	0.5
20°-30°	92.1	1.0
30°-40°	192.8	2.2
40°-50°	509.1	5.8
50°-60°	1693.9	19.2
60°-70°	2732.4	31.0
70°-80°	1433.3	16.3
80°-90°	503.0	5.7
90°-100°	324.7	3.7
100°-110°	210.5	2.4
110°-120°	231.0	2.6
120°-130°	388.5	4.4
130°-140°	227.6	2.6
140°-150°	121.8	1.4
150°-160°	60.5	0.7
160°-170°	31.8	0.4
170°-180°	11.5	0.1
0°-90°	7209.5	81.8
0°-180°	8817.4	100.0



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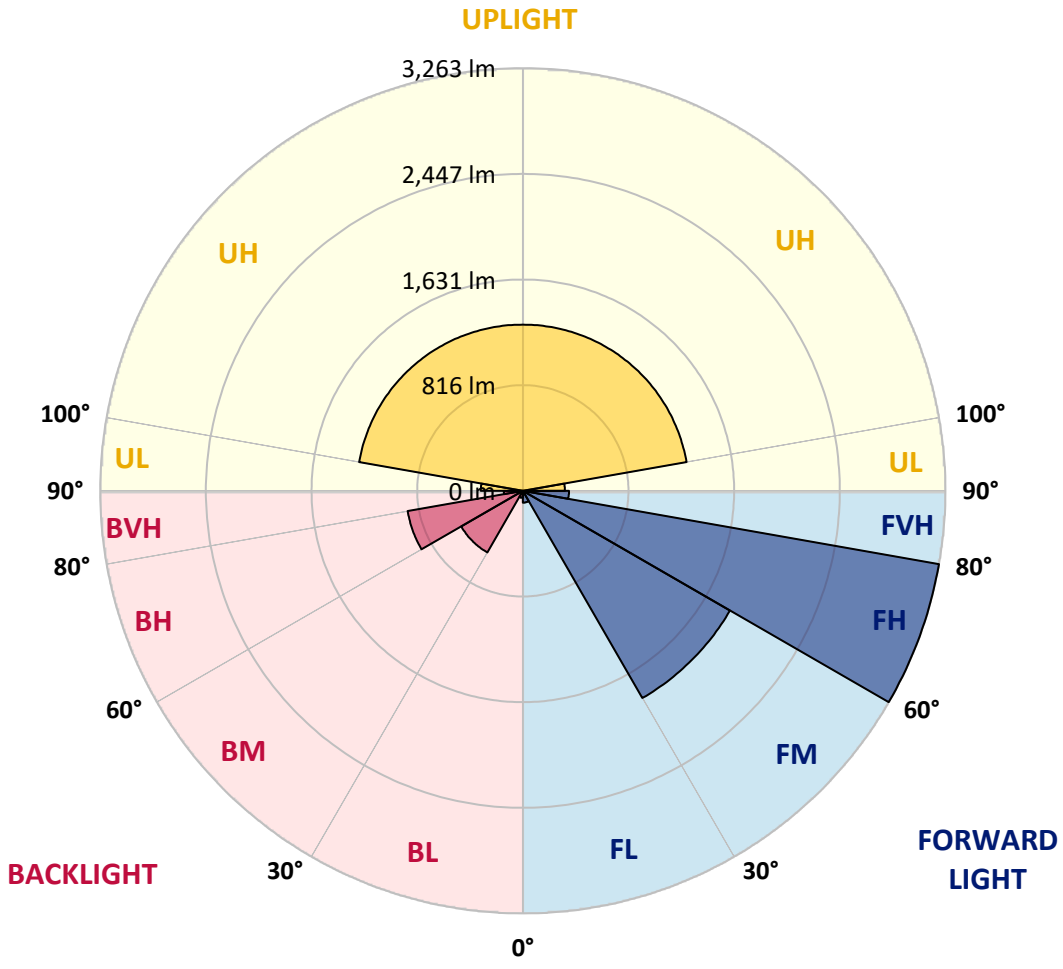
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.5	1.0			
FM	(30°-60°)	1846.6	20.9			
FH	(60°-80°)	3262.6	37.0			G2/5000
FVH	(80°-90°)	356.1	4.0			G3/500
BL	(0°-30°)	53.6	0.6	B0/110		
BM	(30°-60°)	549.2	6.2	B1/1000		
BH	(60°-80°)	903.1	10.2	B2/1000		G2/1000
BVH	(80°-90°)	146.9	1.7			G2/225
UL	(90°-100°)	324.7	3.7		U3/500	
UH	(100°-180°)	1283.2	14.6		U5	

BUG Rating: B2-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	49.9	49.9	49.9	49.9	49.9	49.9	*49.9*	49.9	49.9	49.9	49.9
2.5°	49.9	51.1	54.0	55.2	55.7	54.6	*52.3*	54.6	54.6	54.6	54.0
5°	72.6	72.6	72.6	74.3	74.9	76.1	*74.9*	72.0	69.7	67.4	66.8
7.5°	101.6	102.8	103.4	103.4	103.4	105.7	*108.0*	102.8	98.1	93.5	92.3
10°	145.7	142.8	139.9	141.1	138.8	134.1	*136.4*	132.4	121.9	118.4	118.4
12.5°	186.4	185.8	187.0	180.6	177.1	167.2	*168.4*	166.1	158.5	146.3	142.3
15°	209.0	210.8	210.2	212.5	207.3	193.3	*189.9*	191.0	184.1	172.4	166.6
17.5°	220.6	220.6	221.2	224.1	224.1	210.8	*205.0*	202.1	196.2	186.4	178.8
20°	226.4	226.4	225.9	229.9	238.1	230.5	*222.4*	217.7	212.5	196.8	185.2
22.5°	242.7	241.5	239.8	241.0	253.2	250.8	*244.4*	237.5	229.9	206.1	191.6
25°	259.5	260.1	254.9	256.6	268.8	272.3	*267.1*	260.1	251.4	215.4	200.9
27.5°	278.7	278.1	271.1	273.5	279.9	292.6	*286.2*	282.8	268.2	223.0	209.0
30°	296.1	293.2	286.2	292.1	292.1	312.4	*306.6*	308.3	290.3	236.9	221.8
32.5°	308.9	308.3	304.2	311.8	307.7	333.9	*332.1*	346.6	319.9	264.2	250.2
35°	337.9	338.5	355.3	369.9	362.9	401.2	*409.3*	427.9	395.4	332.1	317.0
37.5°	546.9	540.0	516.8	490.0	493.5	564.9	*555.1*	564.9	515.0	423.9	400.0
40°	576.0	577.7	551.0	530.7	527.8	618.9	*634.0*	714.2	609.7	508.0	461.0
42.5°	560.9	566.7	639.8	666.0	642.7	758.9	*763.5*	918.0	711.3	626.5	564.4
45°	711.3	712.4	727.5	744.4	747.3	1036.4	*1052.7*	1223.4	904.6	789.1	684.0
47.5°	809.4	818.7	839.6	954.5	1015.5	1325.0	*1433.6*	1704.7	1204.8	1075.9	868.6
50°	1144.4	1169.9	1273.3	1372.0	1467.2	1964.8	*2330.0*	2653.4	1809.8	1577.0	1262.3
52.5°	1394.6	1486.4	1601.9	1840.0	1940.4	2685.4	*3259.0*	3459.3	2535.0	2137.3	1719.8
55°	1611.8	1780.2	1905.0	2294.6	2485.6	3501.1	*4113.1*	4142.1	3401.9	2608.7	2205.2
57.5°	2058.9	2304.5	2385.8	2719.0	2985.0	4472.5	*5322.5*	5179.7	4286.7	3145.8	2723.1
60°	2479.8	2762.6	2732.4	3039.5	3391.4	5308.0	*6038.5*	5965.9	5115.8	3654.4	3176.0
62.5°	2616.9	2903.7	2878.1	3201.0	3674.2	5697.6	*6468.1*	6347.9	5605.3	3972.6	3403.6
65°	*2676.7*	*2979.2*	*2972.2*	*3274.1*	*3677.6*	*5759.8*	*6718.4*	*6539.5*	*5759.2*	*4100.9*	*3503.5*
67.5°	2625.6	2913.6	2910.6	3188.8	3409.4	5309.2	*6379.9*	6116.3	5380.0	3799.0	3288.1
70°	2265.6	2465.9	2453.7	2624.4	2739.9	4219.9	*5177.4*	4978.2	4341.9	3122.0	2723.7
72.5°	1847.5	1906.8	1932.3	2029.8	2060.6	3088.3	*3882.6*	3724.1	3237.5	2338.2	2065.3
75°	1475.4	1478.3	1505.0	1539.2	1528.8	2272.0	*3058.1*	2960.0	2387.5	1744.2	1566.5
77.5°	976.6	969.1	1086.3	1100.3	1033.5	1447.5	*2283.6*	2214.5	1708.8	1271.0	1145.6
80°	560.3	562.6	642.7	693.3	666.6	919.7	*1564.8*	1549.7	1173.4	889.5	786.7
82.5°	418.0	437.8	480.8	507.5	497.0	691.5	*1041.1*	1069.5	833.8	639.8	584.7
85°	465.7	476.7	481.3	483.1	470.3	646.8	*840.7*	839.0	700.8	537.1	518.5
87.5°	453.5	462.8	466.8	469.1	456.4	618.4	*794.3*	782.7	672.4	516.2	488.9
90°	381.5	403.0	402.4	422.7	408.2	543.5	*696.7*	689.2	610.2	475.5	443.6
92.5°	319.9	332.1	340.2	368.1	355.3	478.4	*626.5*	609.1	546.4	432.6	398.3
95°	299.0	310.1	316.4	332.1	316.4	413.4	*527.8*	512.1	453.5	360.6	327.5
97.5°	252.0	255.5	261.3	271.7	261.3	335.0	*427.3*	412.2	364.0	294.4	271.1
100°	213.7	217.2	224.7	232.2	227.0	286.8	*357.7*	349.5	313.0	256.1	240.4
102.5°	202.1	204.4	214.2	218.9	212.5	263.6	*315.9*	315.9	283.3	236.3	223.5
105°	192.8	195.7	203.2	205.0	200.3	242.7	*291.5*	288.6	263.0	221.2	209.0
107.5°	183.5	187.0	193.3	190.4	188.1	223.5	*261.9*	266.5	244.4	210.2	202.1
110°	193.3	194.5	199.7	195.1	199.2	222.4	*263.0*	264.2	257.8	229.3	220.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	263.0	256.6	267.7	250.2	263.6	279.9	*305.4*	314.7	307.1	274.6	267.1
115°	288.0	292.6	304.2	286.8	295.5	315.3	*327.5*	329.2	320.5	299.6	296.7
117.5°	224.7	247.9	235.7	246.2	249.7	277.0	*304.8*	313.0	304.8	275.8	293.8
120°	287.4	306.0	264.2	251.4	268.8	316.4	*342.0*	349.0	326.9	327.5	338.5
122.5°	476.7	487.1	513.3	526.6	506.3	535.3	*544.0*	550.4	516.8	477.3	457.5
125°	723.5	715.9	712.4	708.9	703.7	734.5	*740.3*	724.0	690.4	635.2	604.4
127.5°	654.4	660.7	670.6	669.5	664.8	688.6	*703.1*	693.3	684.0	631.1	613.1
130°	470.9	473.8	491.2	522.6	519.1	538.2	*540.0*	549.8	565.5	542.3	523.7
132.5°	390.2	393.1	419.2	433.1	434.3	434.9	*426.8*	449.4	465.7	442.4	426.8
135°	340.2	340.2	346.0	340.8	342.6	357.7	*364.6*	385.0	389.0	378.0	362.3
137.5°	300.8	301.9	289.7	279.9	281.6	308.9	*324.6*	340.2	332.1	309.5	298.4
140°	261.9	255.5	238.6	235.7	248.5	274.6	*283.9*	295.0	297.3	268.2	253.7
142.5°	192.8	190.4	198.0	213.7	220.6	264.2	*257.2*	278.1	279.3	230.5	206.7
145°	215.4	214.8	214.2	217.2	233.4	296.7	*279.9*	306.6	319.3	245.0	200.3
147.5°	243.3	242.7	237.5	231.1	255.5	271.1	*256.1*	279.3	293.2	243.3	193.9
150°	188.1	189.3	186.4	184.6	211.3	208.4	*205.0*	211.3	217.2	201.5	176.5
152.5°	146.3	144.0	142.3	142.8	164.9	161.4	*161.4*	166.1	166.6	160.8	148.1
155°	131.8	131.2	130.1	132.4	145.7	142.3	*139.3*	138.2	135.3	133.5	131.8
157.5°	123.7	122.5	122.5	126.0	135.3	129.5	*128.3*	127.2	125.4	125.4	126.0
160°	115.5	115.0	115.0	120.2	123.1	117.9	*116.7*	116.1	115.5	116.7	117.9
162.5°	110.9	110.9	110.9	114.4	114.4	110.9	*109.7*	109.2	109.7	113.8	114.4
165°	109.2	108.6	109.2	110.9	110.3	108.0	*107.4*	107.4	109.2	112.6	113.2
167.5°	112.1	112.1	112.1	112.6	112.1	109.7	*109.2*	109.2	110.9	113.8	113.8
170°	116.7	116.1	116.1	116.1	115.5	113.2	*112.1*	112.6	113.2	115.0	115.0
172.5°	120.8	120.8	120.2	119.6	118.4	117.3	*116.1*	116.1	116.1	116.7	116.7
175°	125.4	125.4	125.4	124.8	124.8	123.1	*122.5*	121.9	121.3	120.8	120.2
177.5°	130.6	130.1	130.1	130.1	130.1	128.3	*127.2*	126.6	125.4	124.8	124.8
180°	128.3	128.3	128.3	128.3	128.3	128.3	*128.3*	128.3	128.3	128.3	128.3

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
2.5°	54.0	52.3	49.4	44.1	42.4	40.6	38.9	35.4	33.7	32.5
5°	66.2	63.9	63.3	60.4	56.3	52.8	52.3	51.1	50.5	48.8
7.5°	94.6	95.8	98.7	93.5	81.9	75.5	77.2	83.6	81.3	80.7
10°	119.0	126.6	132.4	119.0	98.1	84.8	85.4	98.1	99.3	101.6
12.5°	139.3	145.7	144.6	127.7	108.0	95.2	91.2	98.1	104.5	105.1
15°	161.4	150.4	146.3	132.4	118.4	108.6	106.8	108.6	108.6	107.4
17.5°	170.7	151.5	139.9	128.3	118.4	111.5	109.2	106.3	102.2	102.2
20°	173.0	156.2	142.8	130.6	120.8	113.2	106.8	103.4	102.2	102.2
22.5°	180.0	164.9	151.0	136.4	126.0	116.1	108.6	105.1	105.1	105.7
25°	189.9	175.9	158.5	143.4	132.4	121.9	112.1	106.8	106.3	106.8
27.5°	202.1	187.5	168.4	152.1	139.3	127.7	115.5	109.2	106.8	106.8
30°	216.0	199.2	177.7	159.7	145.7	135.3	120.2	111.5	108.6	107.4
32.5°	241.0	221.8	189.3	169.5	153.9	142.3	127.2	116.1	110.3	109.2
35°	302.5	272.9	230.5	194.5	170.7	150.4	132.4	119.0	111.5	110.3
37.5°	369.3	324.6	284.5	244.4	209.6	176.5	142.3	123.7	114.4	112.6
40°	411.1	352.4	317.0	257.2	252.6	225.3	174.8	136.4	120.2	117.9
42.5°	497.0	409.3	353.0	227.0	246.8	252.6	220.6	171.3	135.9	131.8
45°	598.6	481.3	396.0	242.7	254.3	247.3	225.9	198.6	169.5	161.4
47.5°	775.7	549.3	411.1	281.6	290.9	271.7	239.8	211.3	189.9	187.0
50°	1119.4	749.0	462.8	346.0	373.9	320.5	279.3	257.2	228.2	224.7
52.5°	1561.9	901.7	519.7	447.7	510.9	444.8	378.0	333.3	326.9	329.2
55°	2041.5	948.7	594.6	553.3	664.2	602.1	525.5	482.5	524.9	538.2
57.5°	2517.0	1019.6	703.1	690.4	831.4	736.8	676.4	695.0	871.5	913.9
60°	2891.5	1080.0	794.9	822.2	996.9	894.2	868.6	895.9	1199.0	1311.6
62.5°	3038.4	1052.7	842.5	877.9	1074.7	1004.5	995.8	1021.9	1277.4	1388.3
65°	*3049.4*	*1010.9*	*861.1*	*893.0*	*1086.9*	*1012.0*	*988.2*	*966.2*	*1143.8*	*1214.1*
67.5°	2821.8	927.3	838.4	871.5	1032.9	933.6	884.3	834.4	925.5	964.4
70°	2274.9	822.2	767.6	786.7	868.6	776.9	709.5	675.3	707.8	704.9
72.5°	1723.3	724.0	689.8	670.6	709.5	635.2	560.9	527.8	556.8	549.3
75°	1316.3	646.2	614.3	550.4	588.2	487.7	405.9	383.2	397.1	391.9
77.5°	949.9	517.9	475.5	405.3	454.0	354.8	272.3	256.1	259.5	248.5
80°	684.0	386.1	344.9	295.0	333.9	253.7	202.1	198.6	200.3	188.7
82.5°	537.1	309.5	282.2	255.5	267.7	229.3	194.5	191.0	192.8	180.0
85°	500.5	303.1	274.6	257.2	261.3	225.9	188.7	187.5	190.4	176.5
87.5°	472.0	300.2	277.5	252.6	242.7	207.3	174.8	180.0	188.1	173.6
90°	416.3	279.9	260.1	237.5	227.0	194.5	174.8	182.3	181.7	171.3
92.5°	367.0	249.7	234.0	221.2	218.9	198.0	182.9	189.9	192.2	181.7
95°	300.8	210.8	203.2	199.2	202.6	182.3	169.5	173.0	170.7	164.9
97.5°	256.1	192.2	187.0	181.2	177.7	163.2	152.1	156.8	159.1	153.9
100°	231.7	182.9	178.8	172.4	171.9	162.0	156.2	165.5	172.4	169.5
102.5°	216.6	173.6	168.4	162.6	160.8	152.7	148.1	153.9	160.3	154.4
105°	205.5	164.9	156.8	151.5	148.6	142.8	137.0	139.3	146.3	143.4
107.5°	195.1	164.3	151.5	147.5	147.5	139.9	131.8	132.4	135.9	135.3
110°	211.3	182.3	159.1	153.3	151.5	149.2	143.4	137.6	133.0	133.0

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

Scaled Data Report

REPORT NUMBER: P981419
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	253.2	223.5	199.7	181.2	173.6	164.9	152.7	144.0	137.6	135.9
115°	271.7	239.8	217.2	196.8	179.4	162.6	152.1	145.7	142.3	145.7
117.5°	256.1	211.9	209.0	188.1	171.9	158.5	155.6	145.2	151.0	151.0
120°	288.0	246.2	239.8	209.6	187.0	170.1	168.4	166.6	160.3	157.3
122.5°	420.9	366.4	340.2	295.5	256.6	221.8	202.1	174.8	155.6	151.5
125°	571.9	499.9	437.2	378.0	319.3	257.2	205.0	164.3	144.6	141.7
127.5°	573.7	500.5	431.4	359.4	295.5	230.5	184.1	155.6	141.7	141.1
130°	504.6	440.7	364.6	293.2	241.5	198.6	164.9	141.7	131.8	128.9
132.5°	401.8	344.9	296.1	252.0	212.5	175.9	145.7	129.5	123.7	123.1
135°	337.9	288.6	254.3	221.8	191.0	158.5	130.6	122.5	119.6	118.4
137.5°	275.8	246.2	225.3	199.2	169.5	142.8	124.3	120.8	119.6	117.3
140°	239.2	219.5	196.8	167.8	145.2	123.1	113.2	116.1	119.0	118.4
142.5°	195.1	180.6	163.7	144.6	128.9	119.0	115.0	116.7	116.7	117.3
145°	185.2	166.1	156.8	145.2	134.7	127.2	117.3	113.8	113.2	113.2
147.5°	171.9	164.3	158.5	150.4	134.7	120.8	109.7	108.0	110.3	109.7
150°	160.8	155.6	148.6	135.9	120.2	110.9	105.1	105.7	109.7	110.3
152.5°	136.4	133.5	128.9	120.8	109.7	105.1	102.2	104.5	107.4	108.0
155°	121.3	119.6	118.4	113.2	106.3	103.4	102.2	103.9	106.8	107.4
157.5°	120.2	116.1	114.4	110.9	105.7	102.8	102.8	104.5	106.3	106.8
160°	116.7	111.5	110.9	107.4	106.3	104.5	105.7	106.3	108.0	107.4
162.5°	113.8	110.3	109.7	107.4	108.6	110.3	110.3	110.9	112.1	111.5
165°	112.6	109.7	109.2	109.2	112.6	115.5	116.1	115.5	115.5	115.5
167.5°	113.8	112.1	111.5	112.6	115.5	119.0	119.6	118.4	117.3	116.7
170°	115.5	115.0	115.5	116.1	117.9	120.2	120.2	119.0	119.0	119.0
172.5°	117.3	118.4	119.0	119.0	120.8	121.9	122.5	121.9	121.9	121.9
175°	120.8	121.3	121.3	121.9	123.7	124.8	126.0	126.0	126.0	126.0
177.5°	124.8	124.8	124.8	125.4	126.0	127.7	128.3	129.5	130.1	130.1
180°	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3

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

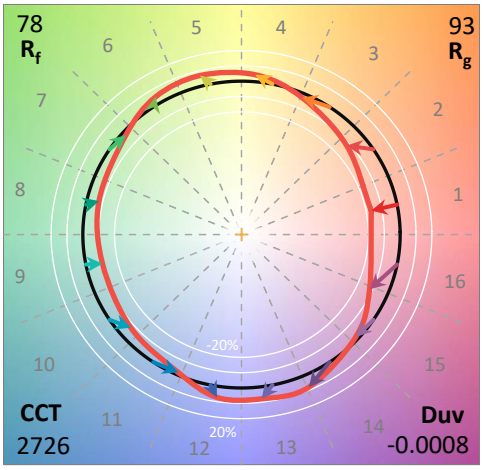
Test Information

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

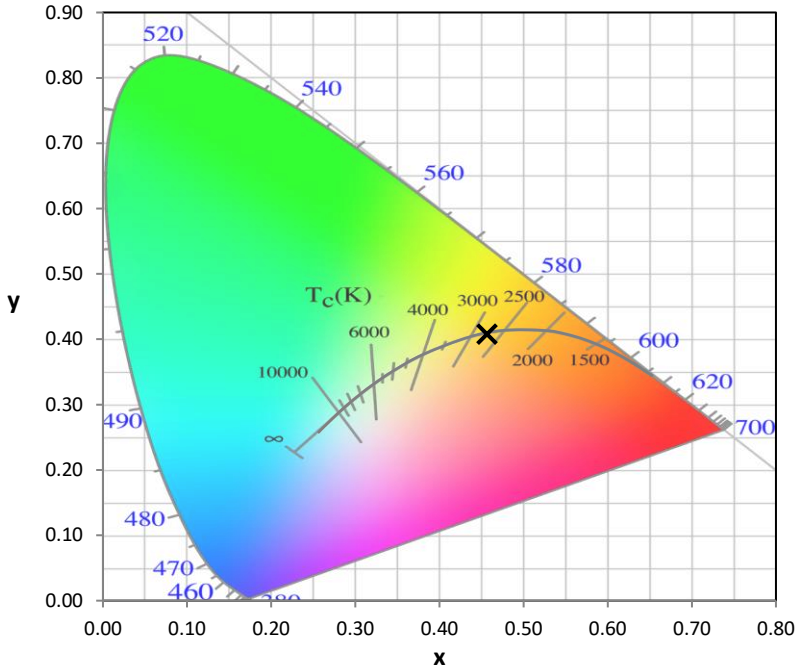
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

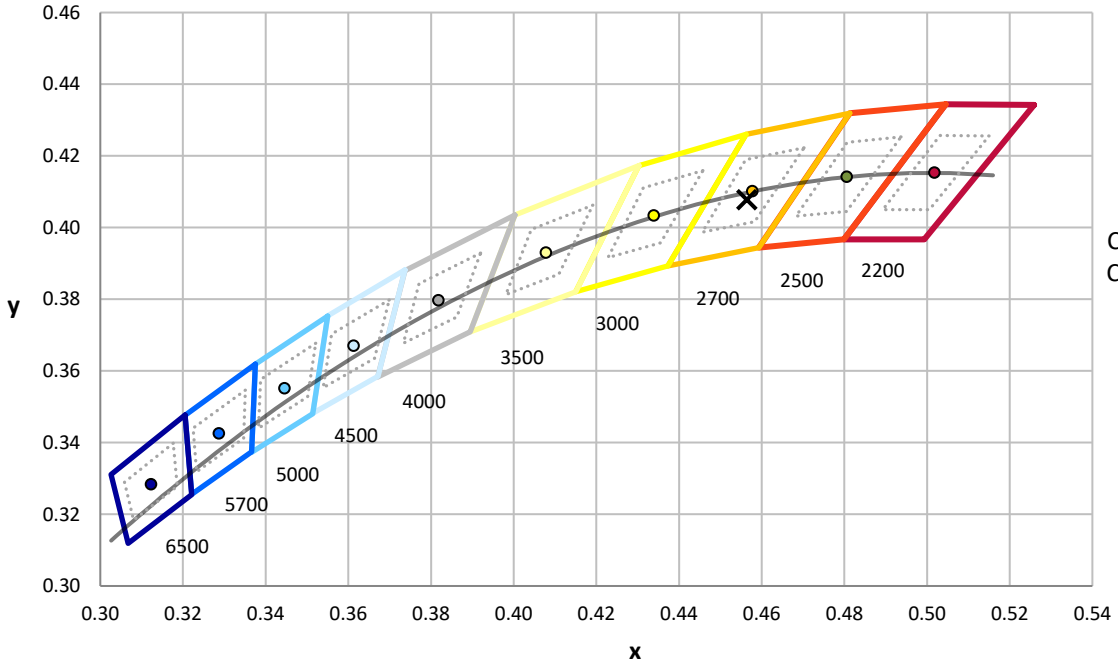
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

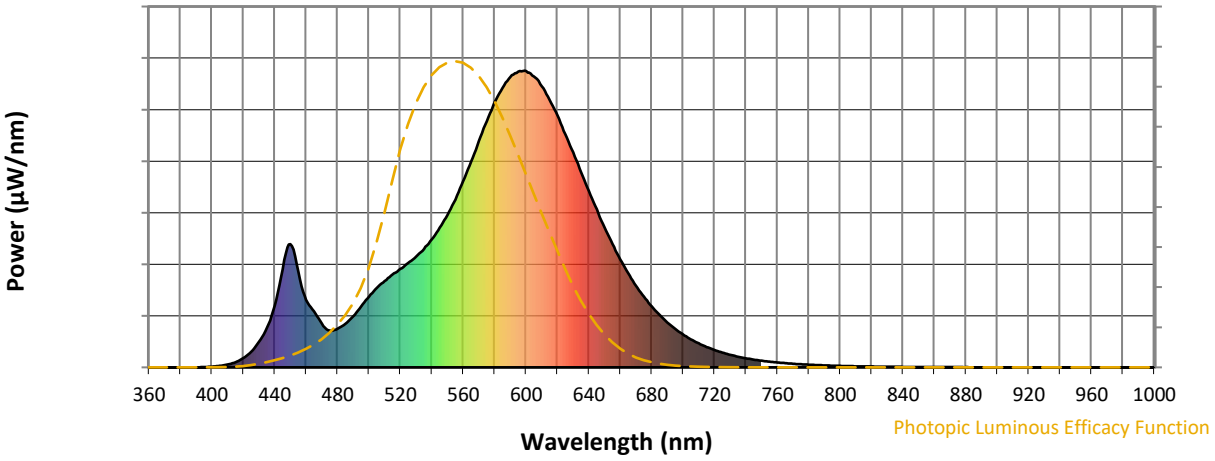


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

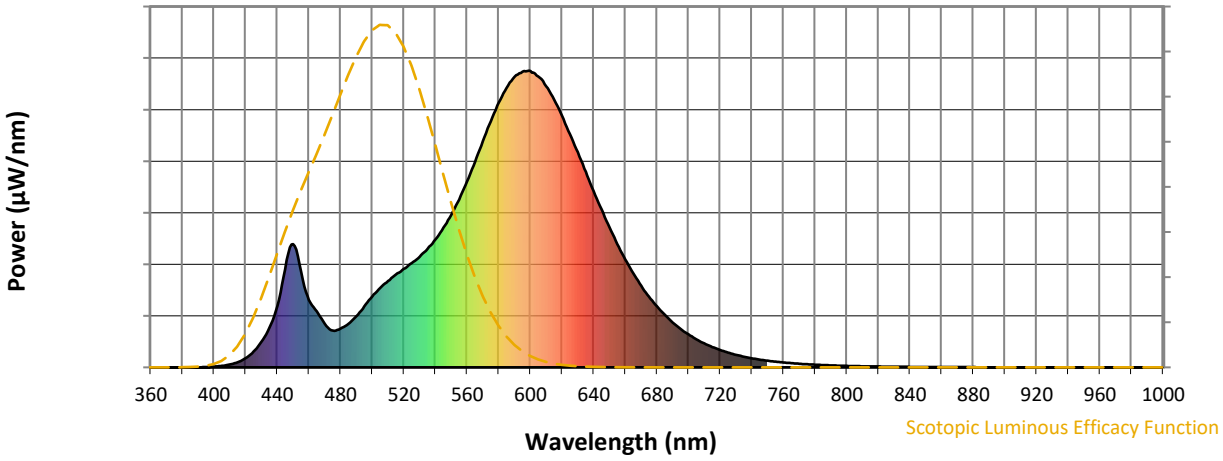


Photopic Lumens: NR

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

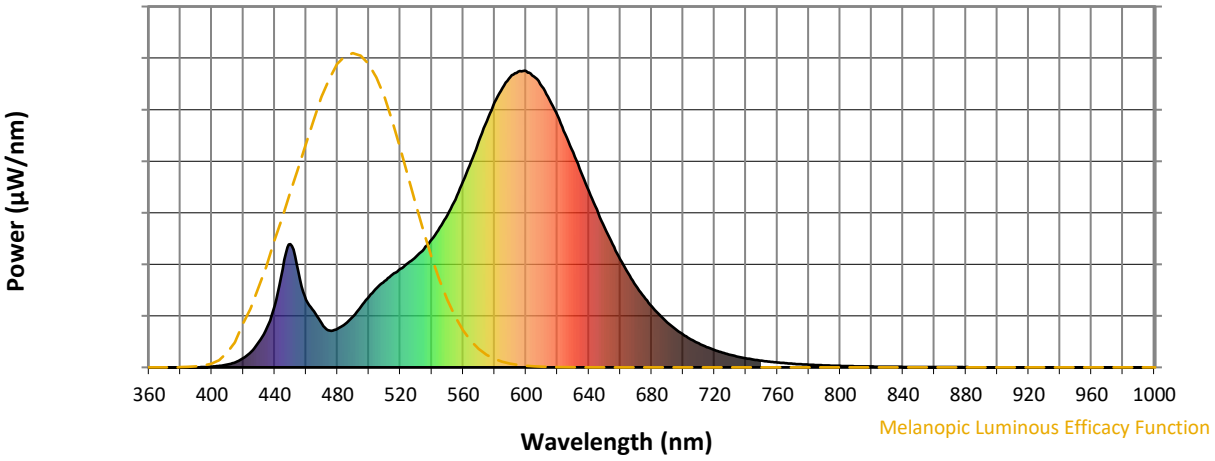


Scotopic Lumens: NR **S/P: 1.16**

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			

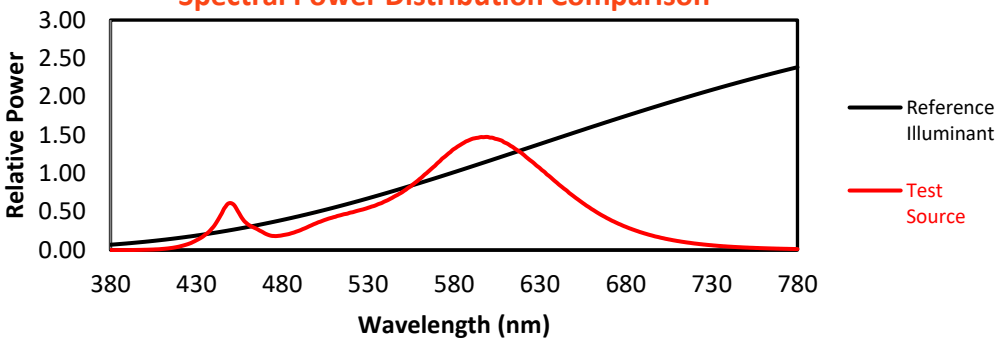
REPORT NUMBER: SP1-2501-332-3

TM-30-18

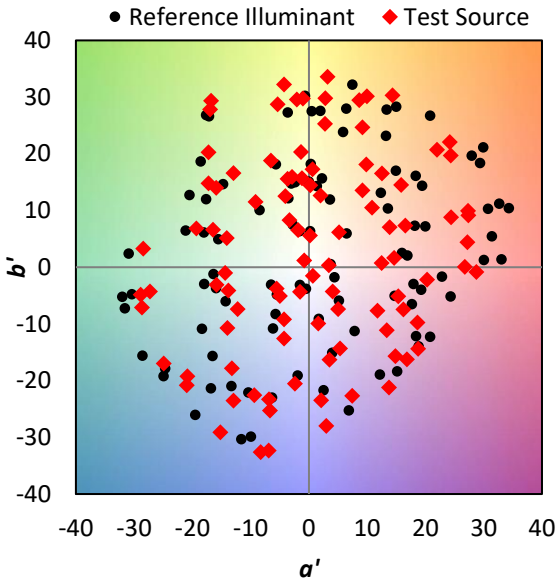
Summary

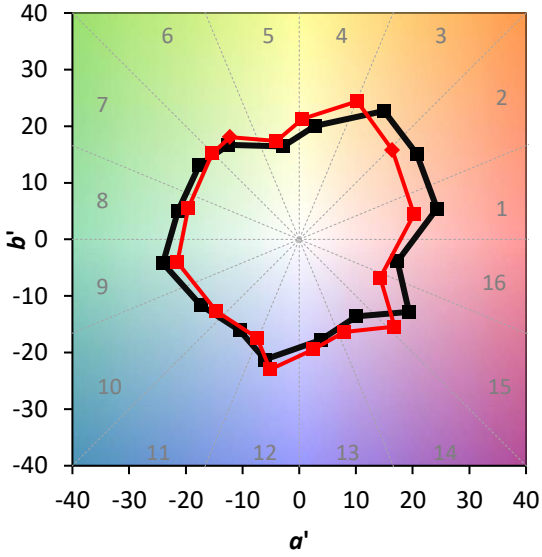
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

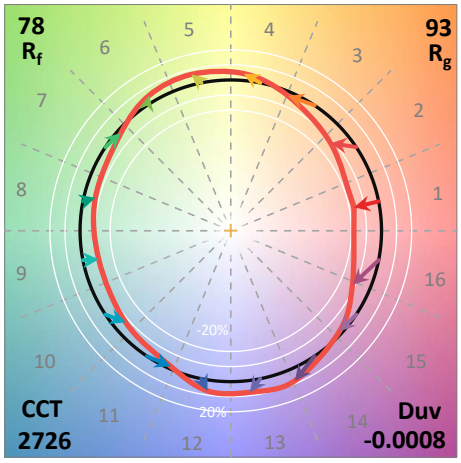
Spectral Power Distribution Comparison

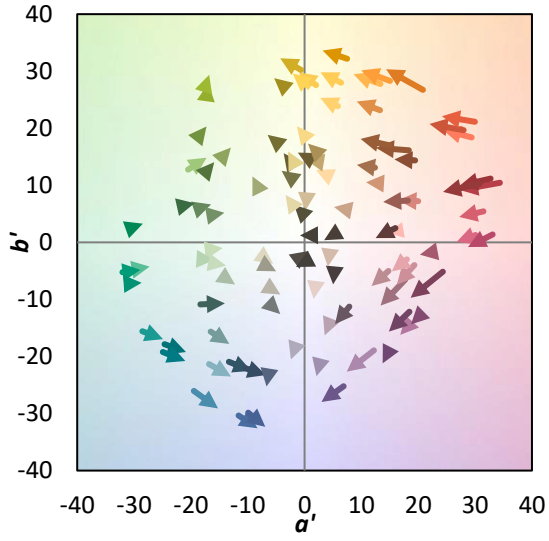


Color Vector Graphics







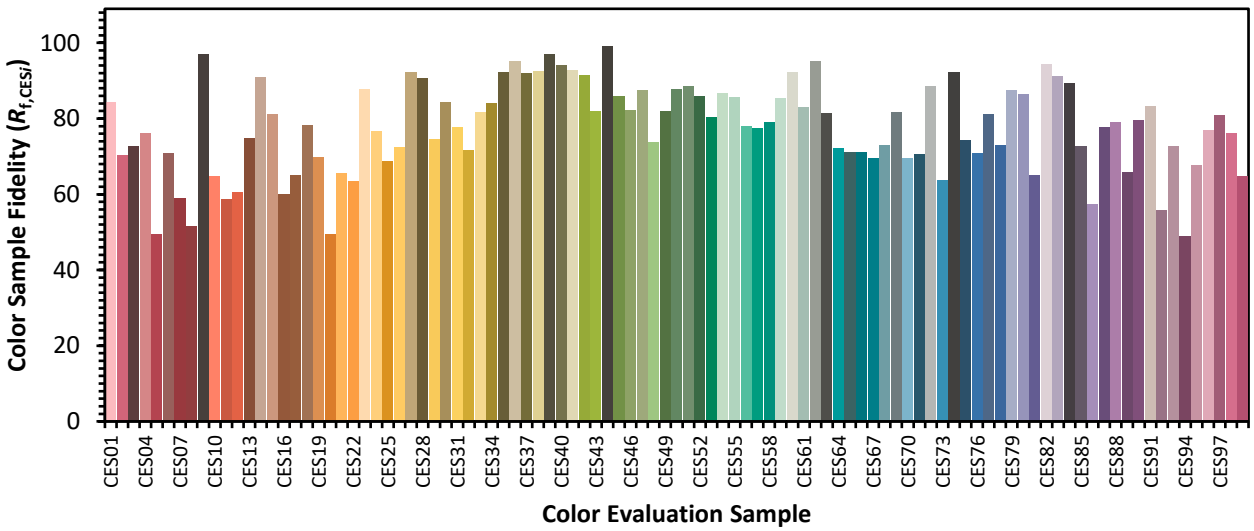


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

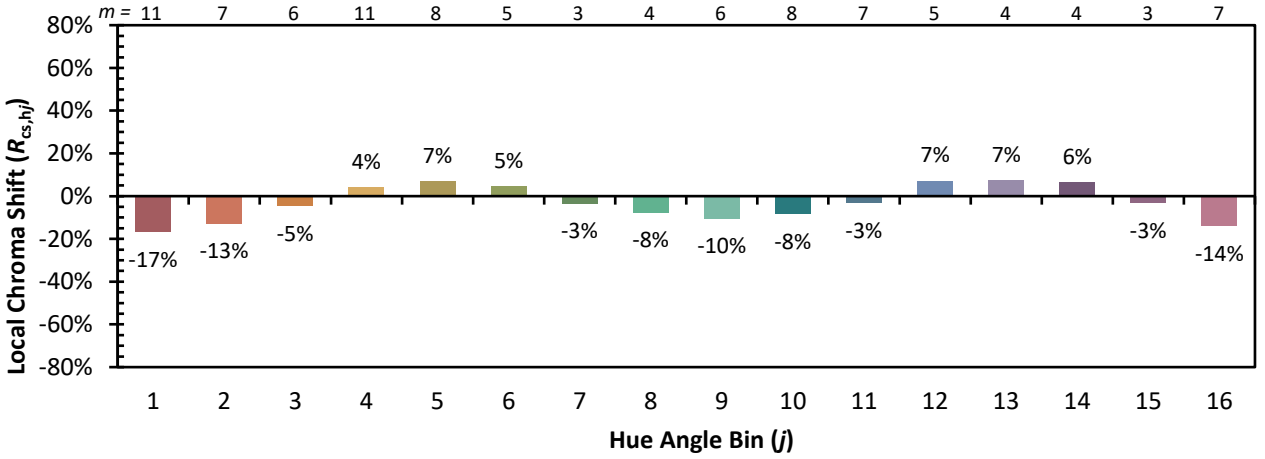
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 88	CES75 = 74	

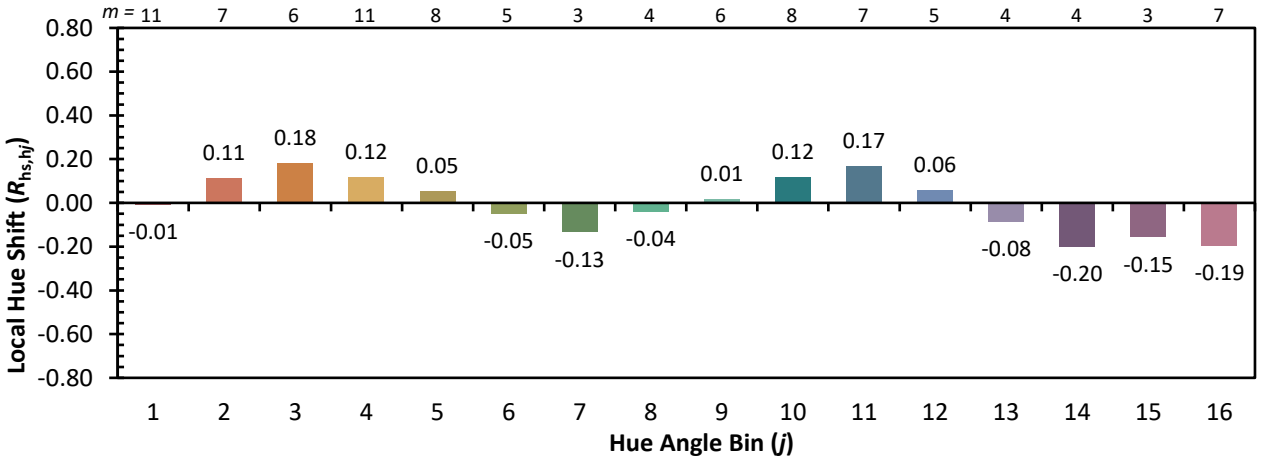


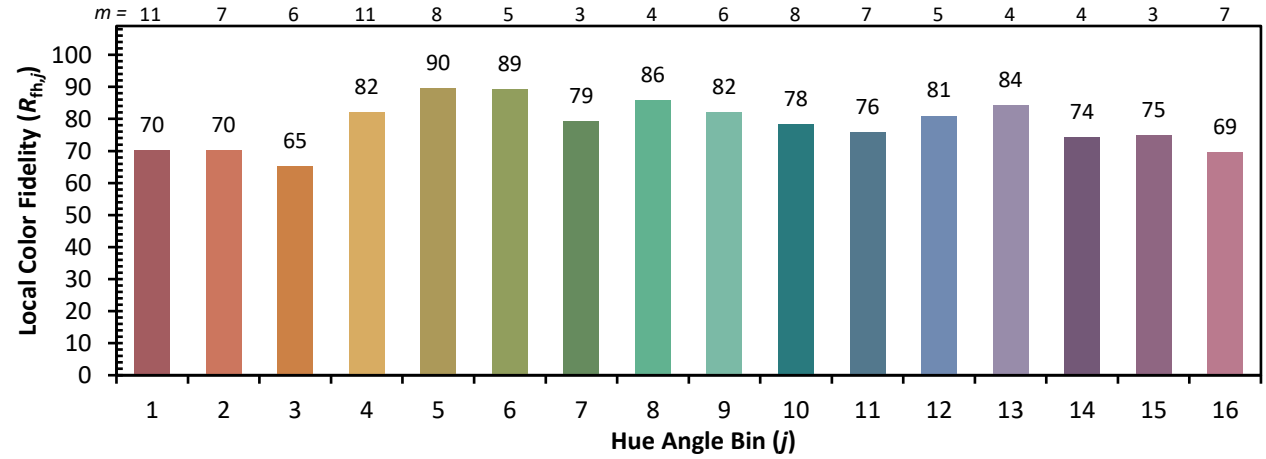
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Color Rendition by Hue-Angle Bin



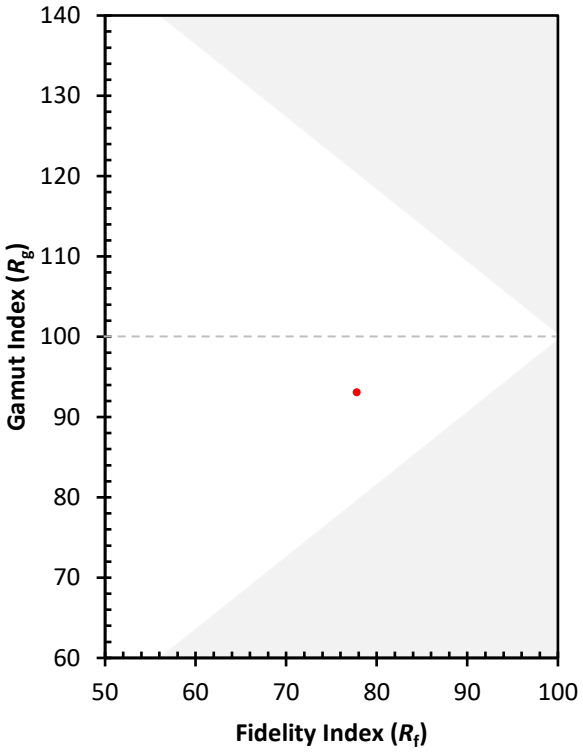


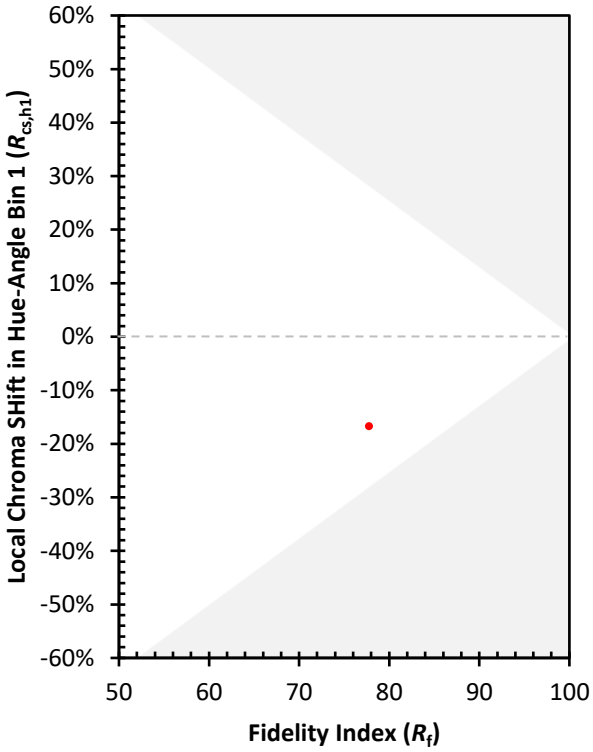


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Measure Comparisons





(END OF REPORT)