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: P1046366

Luminaire Tested: **FFX-CLB-60-722-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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:	P1046366
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7931.6 lumens
Efficiency:	N/A
Efficacy:	130.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - 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

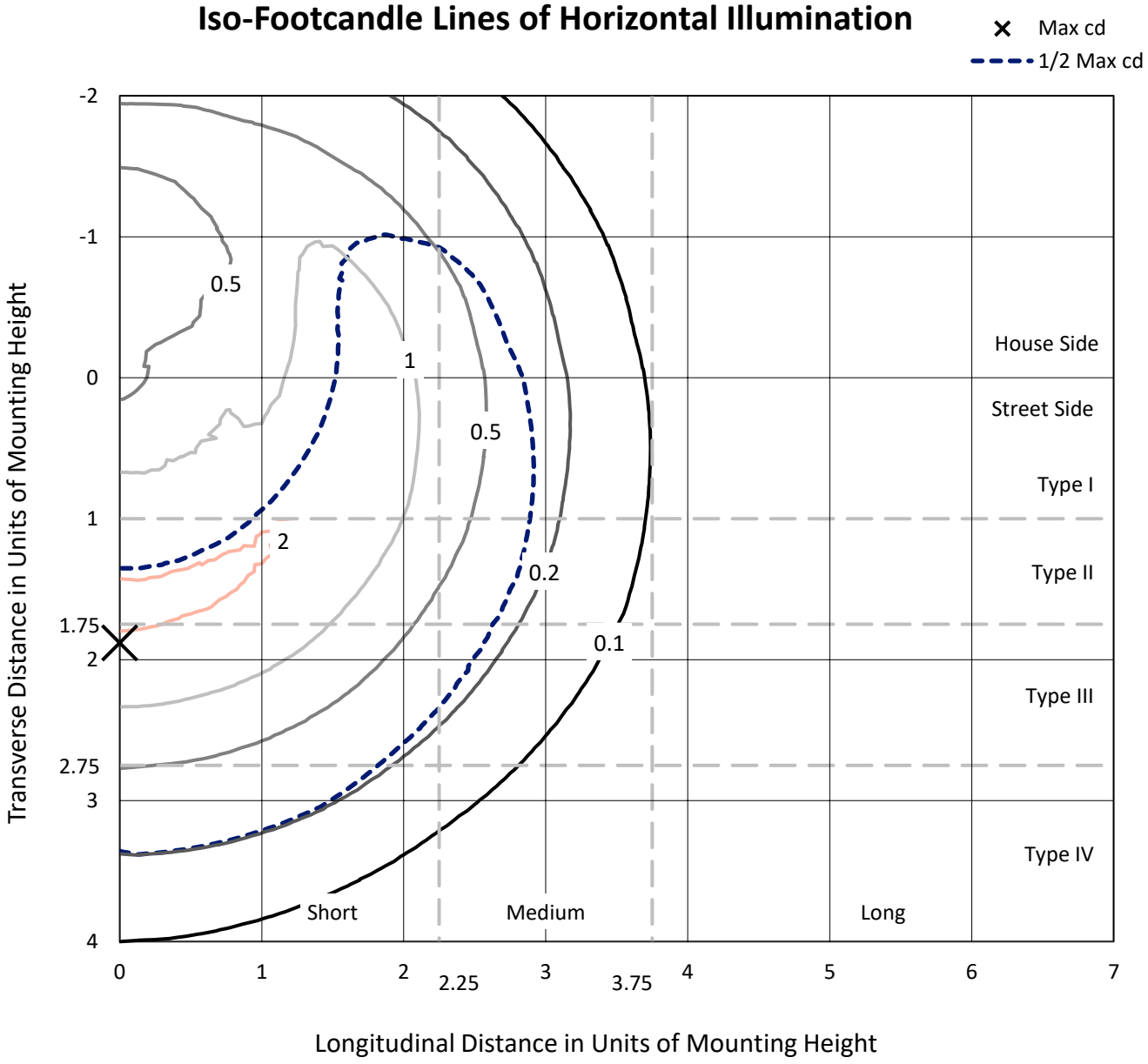


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Iso-Footcandle Lines of Horizontal Illumination



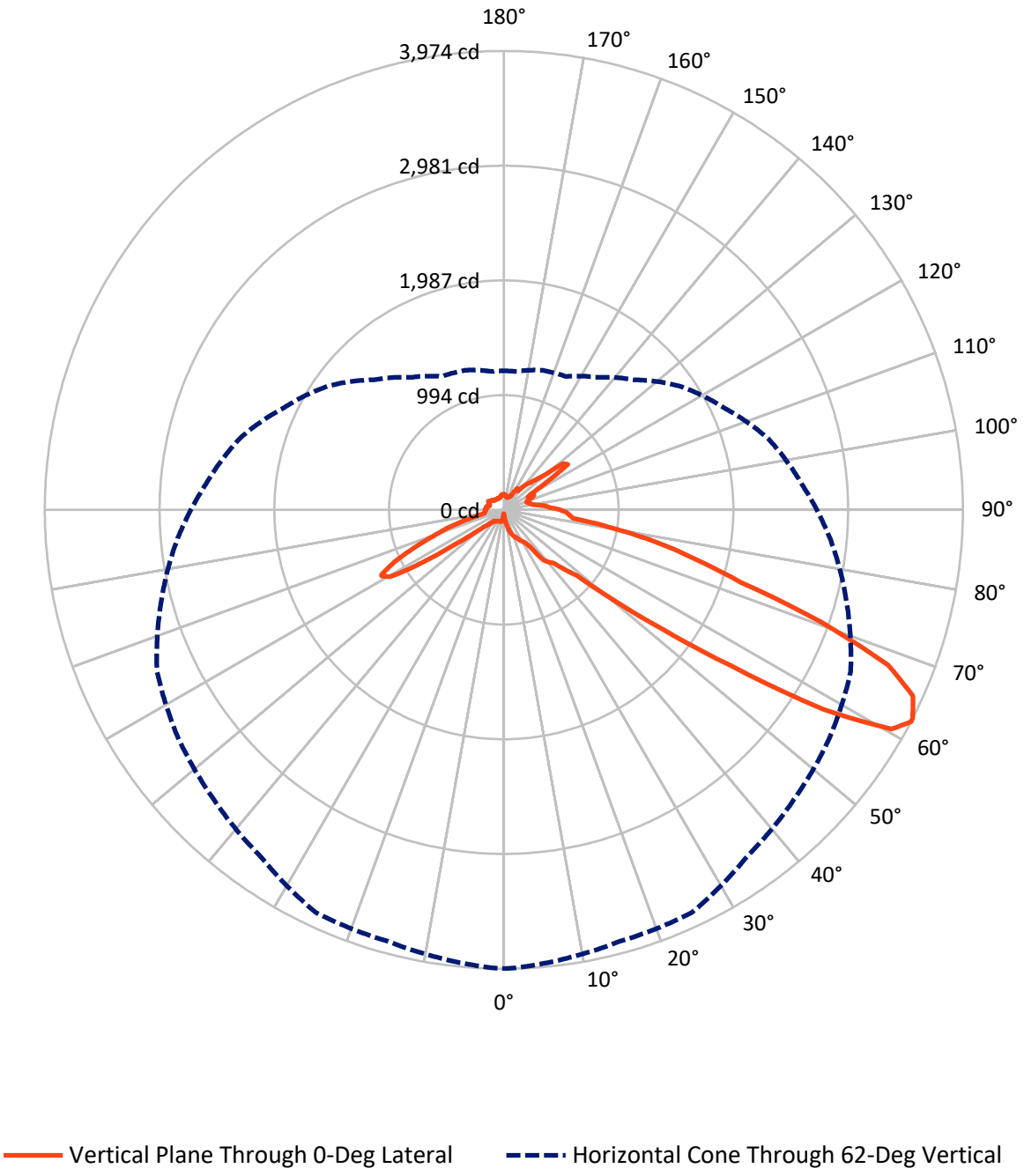
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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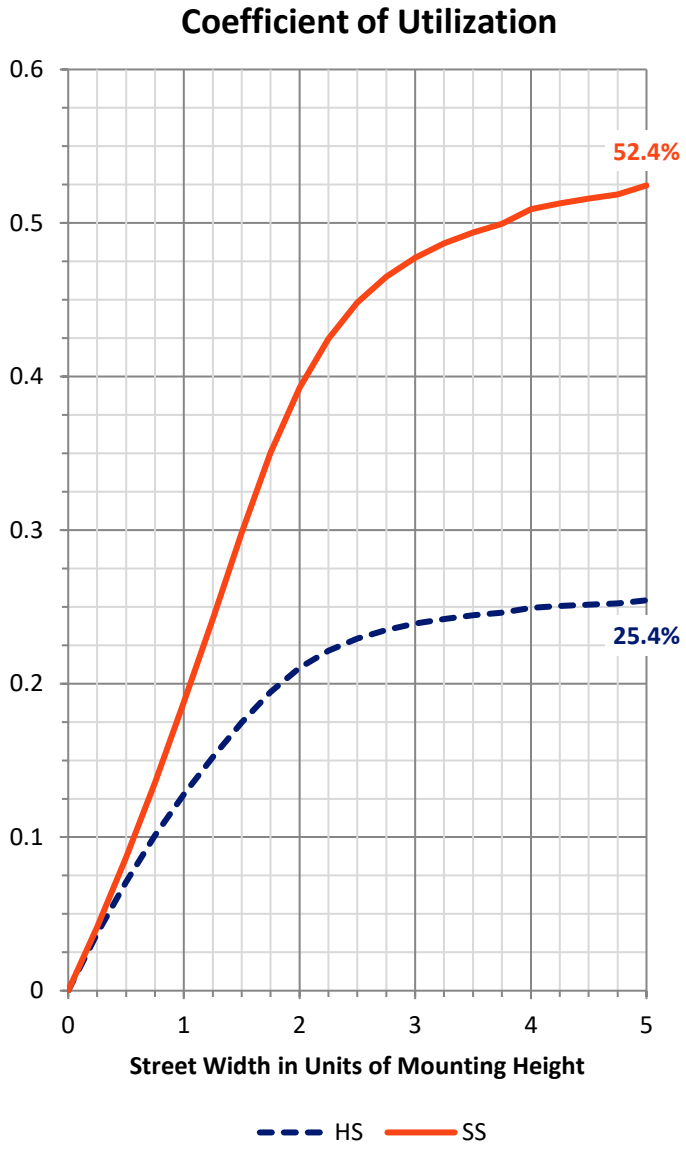
REPORT NUMBER: P1046366
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2086.9	596.3	2683.2
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	4332.5	915.9	5248.4
	% Fixture	54.6	11.5	66.2
Total	Lumens	6419.4	1512.1	7931.6
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.1
10°-20°	44.0	0.6
20°-30°	95.3	1.2
30°-40°	190.7	2.4
40°-50°	417.8	5.3
50°-60°	1462.7	18.4
60°-70°	2447.9	30.9
70°-80°	1270.6	16.0
80°-90°	482.5	6.1
90°-100°	307.7	3.9
100°-110°	203.9	2.6
110°-120°	213.0	2.7
120°-130°	356.0	4.5
130°-140°	214.2	2.7
140°-150°	113.3	1.4
150°-160°	59.6	0.8
160°-170°	32.3	0.4
170°-180°	12.1	0.2
0°-90°	6419.4	80.9
0°-180°	7931.6	100.0



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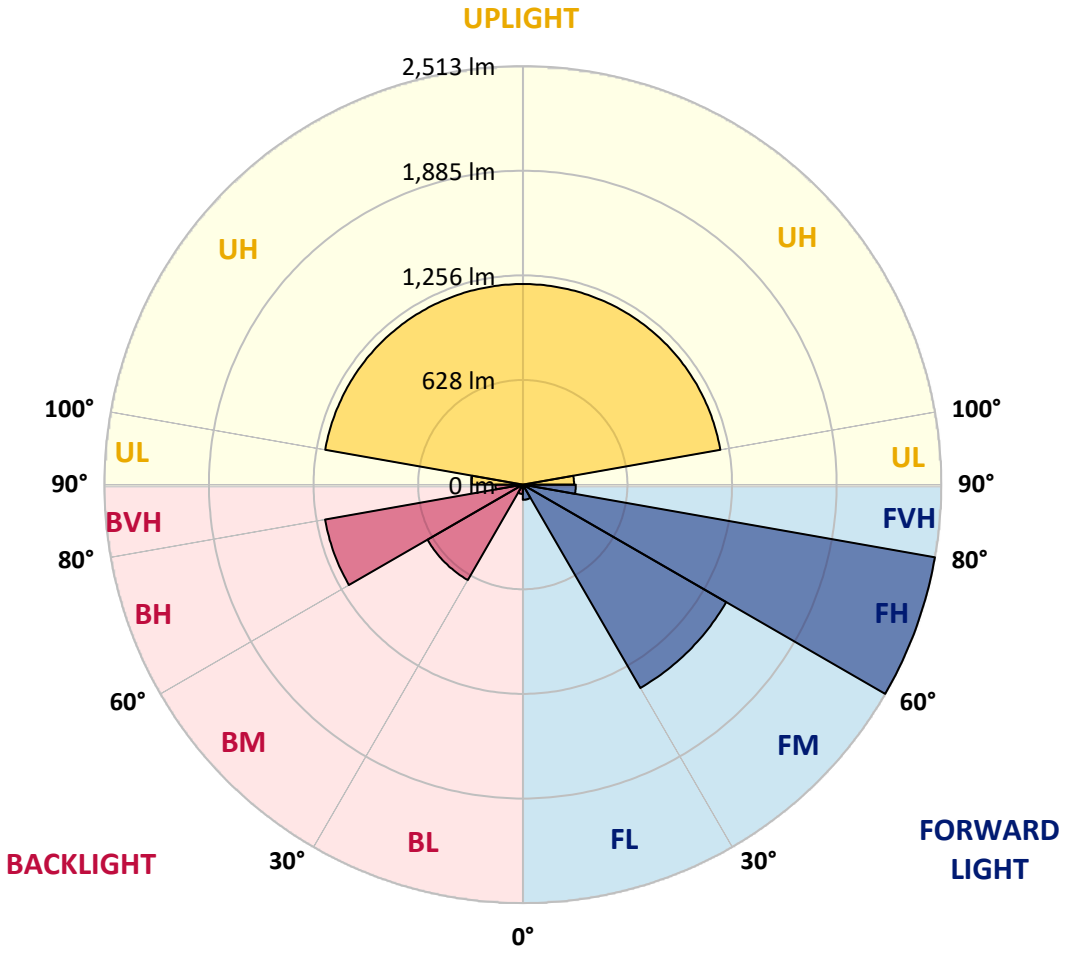
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.4	1.2			
FM	(30°-60°)	1410.1	17.8			
FH	(60°-80°)	2512.7	31.7			G2/5000
FVH	(80°-90°)	318.3	4.0			G3/500
BL	(0°-30°)	55.9	0.7	B0/110		
BM	(30°-60°)	661.0	8.3	B1/1000		
BH	(60°-80°)	1205.7	15.2	B3/2500		G3/2500
BVH	(80°-90°)	164.3	2.1			G2/225
UL	(90°-100°)	307.7	3.9		U3/500	
UH	(100°-180°)	1204.4	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	50.0	48.9	48.9	51.0	53.5	53.5	54.0	52.5	52.5	52.0	52.5
5°	72.7	70.6	71.6	72.2	73.2	74.2	75.2	75.2	73.2	71.6	67.6
7.5°	101.4	100.9	101.9	101.4	100.4	102.9	104.4	108.0	109.0	102.4	94.4
10°	130.7	129.2	128.7	129.2	129.7	128.2	131.2	133.7	130.2	122.6	115.5
12.5°	162.5	162.5	162.5	162.0	162.0	161.5	160.4	159.9	156.4	147.8	136.7
15°	197.8	198.3	199.3	198.8	196.3	192.2	189.2	186.7	184.7	178.6	164.5
17.5°	219.5	218.5	219.5	219.0	218.0	215.4	209.9	204.9	198.3	189.7	179.1
20°	239.7	239.2	238.7	238.7	237.6	234.6	231.1	223.0	214.4	205.4	193.2
22.5°	255.3	254.3	255.3	254.8	254.3	253.3	247.2	240.2	230.6	220.5	207.9
25°	275.5	275.0	275.5	274.0	274.0	272.5	268.9	259.8	249.3	238.2	222.5
27.5°	297.7	296.2	297.7	297.2	295.2	291.1	288.1	278.0	264.9	254.3	240.2
30°	316.4	316.4	317.4	314.3	316.4	312.8	305.8	294.7	283.6	269.9	255.3
32.5°	336.0	336.0	335.0	334.5	337.0	332.5	324.4	311.3	302.2	288.1	275.5
35°	391.0	387.0	393.6	393.1	405.7	396.6	381.4	363.8	349.7	331.5	314.8
37.5°	549.0	546.9	543.9	524.7	502.5	506.1	508.6	488.9	471.3	438.5	399.6
40°	593.9	593.4	592.9	581.8	587.8	571.7	563.6	553.5	550.5	507.6	455.6
42.5°	630.7	624.6	630.7	650.9	682.7	671.6	630.7	578.2	568.6	527.8	506.6
45°	730.6	726.6	736.7	742.7	732.6	714.5	726.1	687.7	661.5	603.5	564.6
47.5°	850.2	846.1	855.7	860.8	881.5	862.3	853.2	820.4	776.5	721.5	671.1
50°	1206.9	1161.5	1198.3	1185.7	1190.8	1147.9	1165.0	1118.1	1078.7	988.4	897.1
52.5°	1703.9	1688.8	1663.5	1635.3	1657.0	1611.1	1625.2	1574.2	1503.1	1398.1	1263.4
55°	2376.5	2325.5	2341.7	2399.7	2387.6	2305.3	2291.2	2167.1	2039.4	1882.5	1740.7
57.5°	3256.4	3231.2	3201.9	3163.1	3125.2	3040.0	2998.1	2859.3	2661.0	2442.1	2244.8
60°	3855.3	3835.1	3822.0	3703.5	3633.8	3462.3	3423.4	3327.1	3150.5	2912.3	2640.4
62°	3974.4	3971.4	3944.6	3871.0	3850.3	3668.6	3550.6	3443.1	3313.4	3071.7	2835.1
62.5°	3973.4	3967.3	3951.7	3890.1	3869.0	3698.9	3570.8	3456.7	3327.6	3090.4	2857.8
65°	3892.7	3879.0	3872.0	3835.1	3825.6	3725.7	3555.6	3438.1	3329.6	3068.2	2874.5
67.5°	3588.9	3605.1	3606.1	3569.2	3537.5	3477.9	3315.5	3213.5	3138.9	2866.4	2683.7
70°	2913.3	2891.6	2869.4	2886.6	2872.4	2840.2	2711.0	2582.8	2489.5	2346.7	2173.6
72.5°	2141.3	2175.7	2175.1	2180.2	2182.7	2101.5	2044.0	1970.3	1919.8	1796.2	1672.6
75°	1716.5	1719.5	1709.9	1674.6	1636.8	1589.9	1600.0	1593.4	1569.2	1438.5	1315.9
77.5°	1355.2	1321.9	1335.6	1280.1	1231.1	1230.6	1250.3	1269.5	1280.1	1175.1	1080.3
80°	954.1	946.6	934.4	939.5	899.1	909.7	919.3	932.4	911.7	849.7	805.8
82.5°	602.4	595.9	586.3	632.7	671.6	663.0	632.2	582.8	571.2	575.7	565.6
85°	569.6	569.1	560.6	556.0	550.0	536.3	543.9	554.5	548.5	514.1	469.7
87.5°	537.9	536.3	529.8	527.3	515.7	514.1	521.2	525.2	527.8	497.0	459.7
90°	471.3	465.2	459.1	464.2	462.7	463.7	465.7	464.7	465.7	429.4	413.7
92.5°	393.1	391.5	387.0	389.5	393.1	407.2	401.1	391.5	390.0	375.4	360.3
95°	358.7	359.7	354.2	357.7	358.7	358.7	354.7	350.2	346.6	335.0	321.4
97.5°	297.2	292.6	290.6	293.1	294.2	290.6	288.1	280.5	280.0	268.4	261.9
100°	252.8	251.8	250.8	253.8	254.8	253.3	253.8	249.3	248.7	242.2	235.1
102.5°	236.1	235.6	235.1	237.6	238.7	237.6	236.1	231.6	232.6	225.5	220.5
105°	223.0	223.0	222.5	224.0	221.0	219.5	217.5	217.5	218.5	212.9	205.4
107.5°	208.4	207.9	208.4	207.9	204.3	202.8	202.3	200.8	204.3	201.3	193.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*210.9*	210.9	210.4	204.9	202.8	200.3	199.3	201.8	200.8	195.8	190.7
112.5°	*258.3*	255.3	257.3	249.8	246.2	248.2	249.3	251.3	255.3	247.2	239.7
115°	*288.6*	289.1	294.2	294.2	286.6	290.1	290.1	289.6	293.7	287.6	280.0
117.5°	*235.6*	238.7	254.8	244.7	247.2	249.3	236.6	232.1	231.1	232.6	248.7
120°	*271.5*	267.4	282.6	250.8	241.2	241.2	250.3	261.9	249.3	230.1	235.1
122.5°	*444.0*	444.5	445.0	458.6	457.1	461.2	454.1	445.0	418.8	419.3	395.6
125°	*679.6*	673.1	673.1	667.0	666.0	656.4	668.5	676.1	655.9	621.6	584.3
127.5°	*650.4*	664.5	659.5	644.3	629.7	624.6	638.8	662.5	650.9	620.6	586.3
130°	*461.7*	465.2	464.2	480.3	484.4	479.3	484.4	467.2	469.7	476.8	458.6
132.5°	*387.0*	385.0	392.0	414.2	422.8	412.7	398.6	386.0	386.5	401.6	400.6
135°	*333.5*	332.0	337.0	338.1	347.6	339.6	327.0	327.0	330.0	333.5	332.0
137.5°	*301.2*	299.2	300.7	289.1	277.5	277.0	287.1	292.6	289.6	286.1	282.0
140°	*259.3*	260.4	257.8	248.2	243.2	244.2	250.8	259.3	256.8	249.3	243.2
142.5°	*206.4*	204.3	207.4	214.4	224.5	224.5	214.4	203.8	203.3	206.9	211.9
145°	*203.3*	202.3	202.8	201.3	203.3	201.3	198.3	195.3	191.7	189.2	187.2
147.5°	*220.5*	220.5	220.0	217.5	215.4	211.9	212.9	216.5	218.5	216.5	213.4
150°	*179.1*	180.6	180.6	180.1	178.1	179.6	181.6	182.6	184.7	184.7	181.6
152.5°	*137.7*	137.2	138.8	136.7	136.2	137.2	139.8	141.8	142.3	142.3	138.2
155°	*131.2*	130.2	131.2	130.2	129.2	130.2	132.2	133.2	134.2	132.7	128.7
157.5°	*122.6*	122.6	122.6	121.6	122.1	122.1	123.1	123.6	124.1	123.6	122.6
160°	*116.0*	116.0	116.6	116.0	116.0	117.1	116.6	116.0	116.0	115.5	115.0
162.5°	*112.0*	112.0	112.0	112.0	111.5	111.5	112.0	111.5	111.0	110.5	111.5
165°	*110.0*	109.5	109.5	109.5	110.0	109.5	109.5	109.5	109.0	110.5	112.5
167.5°	*114.0*	113.0	113.5	114.0	114.0	113.5	113.5	113.5	114.5	116.0	117.6
170°	*119.6*	119.1	119.1	119.6	119.6	119.1	119.1	119.1	119.6	120.1	120.6
172.5°	*124.1*	123.6	123.6	123.6	123.1	122.6	122.6	122.6	122.6	122.6	123.1
175°	*128.7*	128.7	128.7	128.7	128.2	127.7	127.7	127.7	127.7	127.7	127.7
177.5°	*133.7*	133.2	133.7	133.2	133.2	133.2	132.7	132.2	131.7	131.7	131.7
180°	*132.7*	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	51.5	51.0	47.9	45.4	43.4	41.4	38.3	35.8	33.8	33.3	33.3
5°	66.6	65.6	62.6	58.5	56.5	53.5	50.5	48.4	45.9	44.9	45.4
7.5°	91.8	92.3	93.3	95.4	94.4	85.8	76.2	74.2	76.2	79.2	80.7
10°	114.0	112.5	112.0	118.6	117.1	104.4	91.8	87.8	91.3	97.9	100.9
12.5°	132.2	129.2	128.7	129.7	123.6	110.0	99.4	94.9	96.9	101.9	101.4
15°	158.9	154.4	147.8	143.8	136.2	126.6	113.5	106.0	106.0	106.0	105.5
17.5°	174.6	169.5	156.9	145.3	135.7	128.7	120.1	113.0	105.5	104.4	103.9
20°	188.2	180.6	167.0	154.4	142.3	132.2	120.1	111.5	104.9	103.9	103.4
22.5°	199.8	192.7	178.1	163.0	147.8	136.2	123.1	114.0	107.5	105.5	104.9
25°	215.4	207.9	191.2	173.6	155.9	141.3	129.2	118.6	110.5	106.5	106.5
27.5°	231.1	222.5	203.8	185.7	166.5	148.3	134.7	124.1	114.0	108.5	108.0
30°	246.2	236.6	216.5	195.8	176.6	157.4	141.8	129.7	118.6	112.5	112.0
32.5°	267.4	256.3	232.6	206.9	187.7	167.0	149.3	135.2	123.6	117.6	116.6
35°	308.8	296.2	269.4	236.1	205.9	178.1	156.9	138.2	127.1	120.6	120.1
37.5°	385.5	370.9	333.5	292.6	251.3	209.4	170.5	142.3	129.7	123.6	122.6
40°	431.4	402.6	363.3	331.0	299.7	259.3	209.4	165.0	134.7	127.7	126.6
42.5°	490.9	461.2	404.2	342.6	302.7	270.9	235.6	206.9	163.5	138.2	133.7
45°	547.4	524.7	475.8	410.2	349.7	294.7	250.8	223.0	195.3	166.5	162.0
47.5°	642.3	609.0	544.4	477.3	415.8	354.2	302.2	248.2	212.4	195.3	194.3
50°	885.5	825.0	731.6	651.4	535.3	441.0	379.4	307.3	261.4	234.6	226.0
52.5°	1199.8	1136.8	1030.3	914.3	785.6	664.0	543.4	440.0	365.3	318.4	319.9
55°	1668.1	1605.0	1448.6	1249.8	1073.2	946.6	817.4	691.7	571.7	502.5	494.0
57.5°	2162.0	2105.5	1971.8	1729.1	1448.1	1214.0	1060.6	971.8	910.2	835.0	835.0
60°	2524.3	2430.5	2279.1	2034.4	1785.1	1477.3	1280.6	1153.4	1142.3	1129.2	1139.3
62°	*2709.5*	*2588.4*	*2372.4*	*2097.4*	*1865.9*	*1591.9*	*1400.7*	*1274.5*	*1252.3*	*1202.9*	*1203.9*
62.5°	2740.8	2607.1	2388.1	2097.4	1872.9	1602.0	1413.8	1290.7	1259.9	1199.3	1200.3
65°	2772.0	2611.1	2399.7	2063.6	1833.1	1567.2	1422.3	1261.9	1181.2	1079.8	1050.0
67.5°	2592.4	2427.4	2246.3	1918.8	1679.2	1422.3	1261.9	1100.9	969.3	866.3	850.2
70°	2105.5	1975.8	1836.1	1585.8	1376.4	1168.6	1032.3	887.0	755.8	642.3	649.4
72.5°	1597.9	1476.8	1348.7	1189.7	1059.6	919.8	799.2	682.2	573.2	502.5	515.7
75°	1237.7	1157.0	1066.1	950.6	851.7	722.5	585.3	481.3	407.7	364.8	367.3
77.5°	1017.7	933.9	859.8	753.8	660.0	527.8	395.6	306.8	263.9	244.7	239.7
80°	782.6	721.5	655.9	561.1	457.6	355.7	265.9	224.5	196.3	182.1	176.6
82.5°	546.4	508.6	453.6	385.0	325.4	288.1	249.3	214.4	185.2	172.1	166.0
85°	450.1	429.9	399.6	360.8	325.4	284.1	240.7	205.4	180.1	170.0	164.5
87.5°	438.5	424.8	390.5	349.2	306.8	264.4	220.5	187.7	171.5	165.0	159.9
90°	402.1	386.5	362.3	321.4	283.6	238.2	202.3	182.6	170.5	163.0	157.4
92.5°	350.7	342.1	319.9	290.6	264.4	235.1	209.4	191.7	179.1	170.0	164.5
95°	311.8	301.7	289.1	265.4	243.7	220.0	196.3	179.6	166.5	156.9	152.4
97.5°	256.3	249.3	237.1	221.5	205.4	186.2	169.5	158.4	149.9	145.3	142.3
100°	232.6	228.1	221.0	209.9	196.8	183.2	171.0	165.0	161.5	158.4	156.9
102.5°	215.4	210.4	204.9	193.2	183.2	171.0	163.0	157.9	153.4	148.3	147.3
105°	200.3	196.3	188.7	179.1	169.0	157.4	147.8	144.8	140.8	136.2	135.7
107.5°	188.7	184.7	178.1	168.0	158.9	148.8	140.3	135.7	131.2	128.7	128.2

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

Scaled Data Report

REPORT NUMBER: P1046366
CATALOG NUMBER: FFX-CLB-60-722-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	187.7	184.7	177.6	169.0	162.0	151.9	142.3	140.8	135.7	129.7	129.2
112.5°	234.1	224.5	210.9	196.8	184.7	174.6	162.5	150.4	140.3	134.2	133.2
115°	271.5	261.9	245.2	224.5	205.4	183.7	163.0	147.8	142.3	140.8	142.8
117.5°	255.3	235.1	206.9	194.3	177.6	166.0	157.9	154.4	145.3	147.8	150.4
120°	245.2	231.6	206.9	204.9	197.3	184.2	165.5	161.5	156.4	152.4	151.9
122.5°	394.1	380.9	352.7	309.8	263.4	232.1	220.5	196.3	167.0	144.8	141.3
125°	558.5	537.4	481.9	434.4	372.9	306.8	247.2	196.3	156.4	135.2	132.7
127.5°	569.6	545.9	497.5	433.4	355.2	274.5	212.9	176.1	149.3	135.2	132.7
130°	444.0	428.9	393.1	333.0	279.0	231.1	196.3	166.5	142.3	131.7	130.2
132.5°	392.5	378.9	328.0	278.0	242.2	205.4	176.1	147.8	127.1	120.1	119.1
135°	324.4	309.3	275.5	244.7	218.5	188.7	159.4	135.2	120.6	117.1	116.6
137.5°	277.0	269.9	244.7	223.0	199.3	173.6	149.3	130.7	121.6	118.6	118.1
140°	239.2	237.6	222.0	202.8	179.1	151.9	133.2	122.1	118.6	117.1	116.6
142.5°	211.4	209.4	192.2	170.0	148.8	134.7	127.7	124.1	121.1	117.1	116.0
145°	183.2	179.6	169.0	159.4	152.9	148.3	141.8	130.7	119.1	113.0	112.5
147.5°	208.4	202.3	190.7	177.1	163.0	148.3	134.7	123.1	113.5	110.0	109.5
150°	175.1	174.6	167.0	156.4	145.8	132.7	122.6	115.0	111.0	110.5	110.5
152.5°	135.7	135.7	135.7	133.2	128.2	121.1	113.5	109.0	109.0	111.0	111.5
155°	127.7	128.2	128.7	127.7	123.6	117.1	110.5	108.5	109.0	111.0	111.5
157.5°	121.6	121.6	122.1	121.1	119.1	114.5	110.0	108.0	108.5	109.5	110.0
160°	114.5	114.5	115.0	115.0	113.0	111.5	109.5	108.0	108.0	108.5	109.0
162.5°	112.0	112.0	112.0	112.0	111.5	111.5	111.5	111.5	111.0	111.0	111.0
165°	113.0	113.0	111.5	111.0	112.0	113.5	116.0	116.6	114.0	113.5	113.5
167.5°	118.1	118.1	116.6	115.5	117.1	118.6	122.1	123.1	121.1	119.1	119.1
170°	121.1	121.1	121.1	121.6	122.1	123.6	125.6	126.6	126.1	125.6	125.6
172.5°	123.1	123.1	124.1	125.1	126.6	127.7	128.7	129.7	130.7	130.7	131.2
175°	127.1	127.7	128.7	129.2	130.2	131.2	132.2	133.2	133.7	133.7	133.7
177.5°	131.2	131.2	131.2	131.7	132.2	132.7	133.2	133.7	133.7	134.2	134.7
180°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

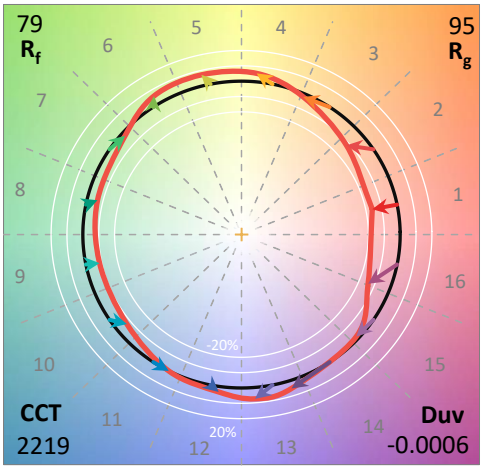
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

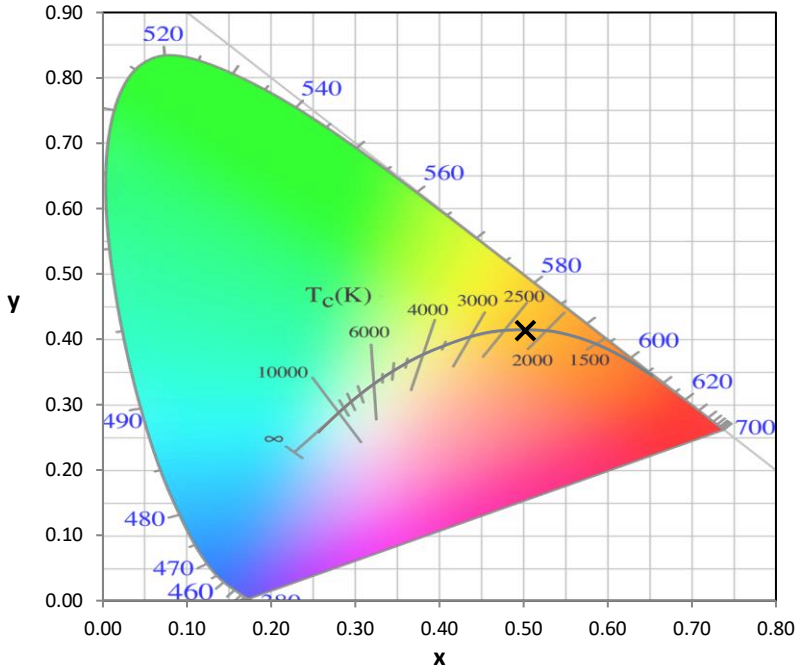
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

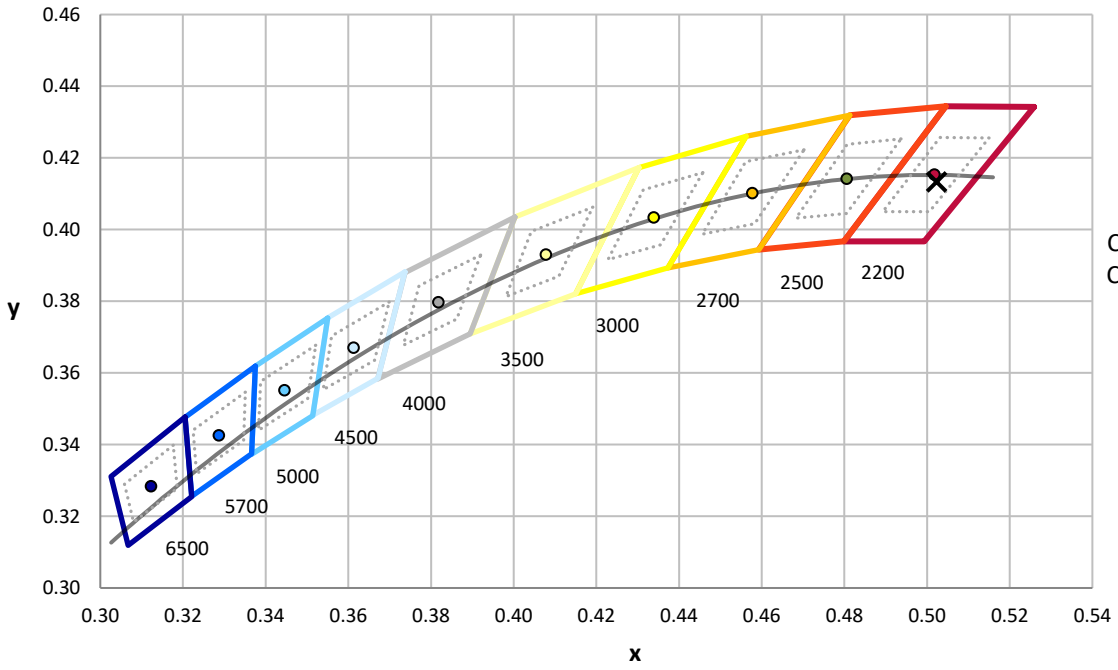
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

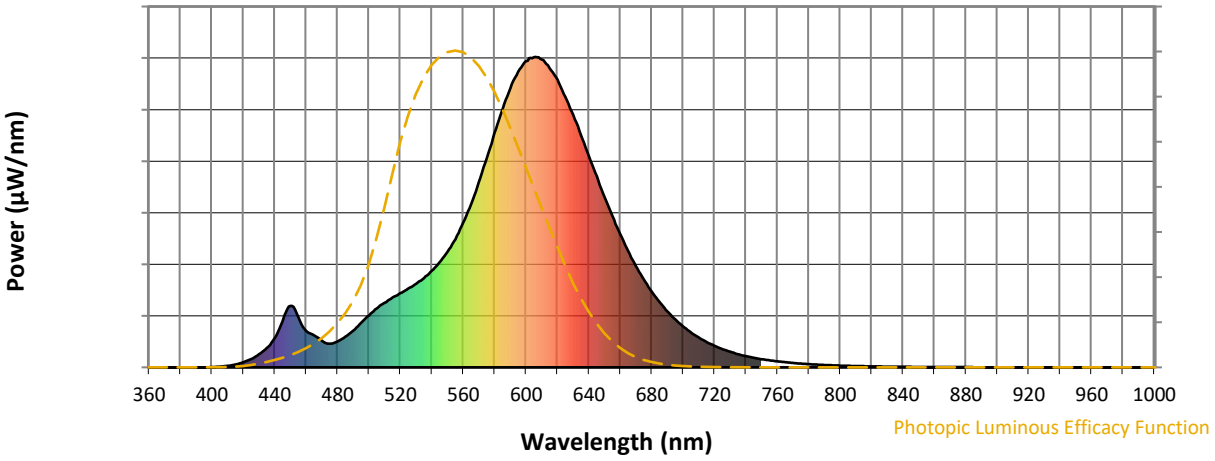


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

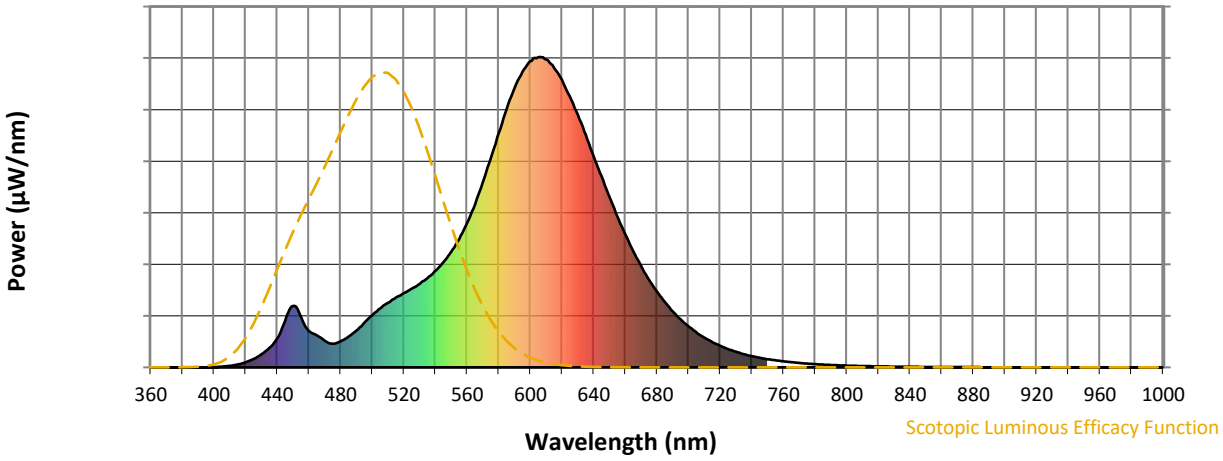


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

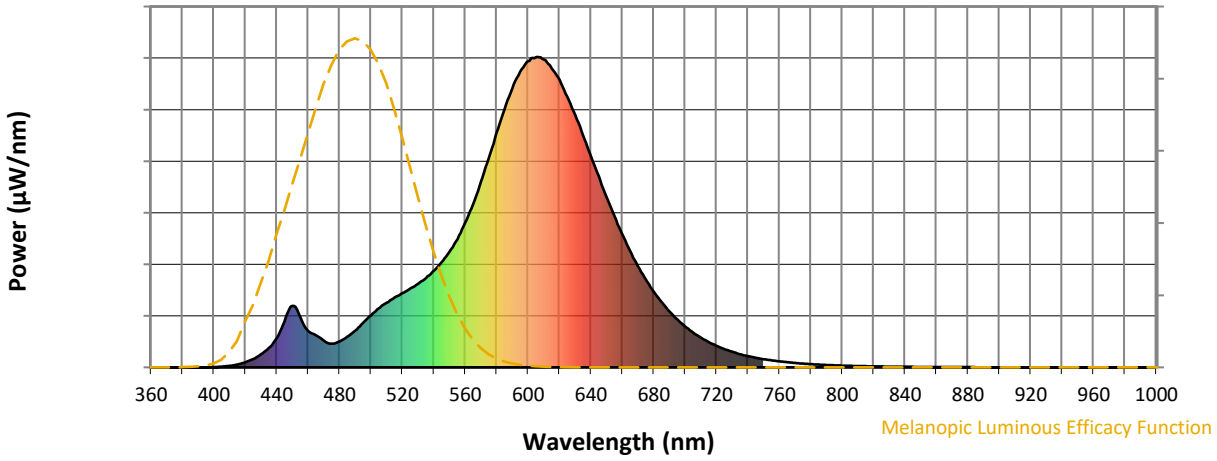


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

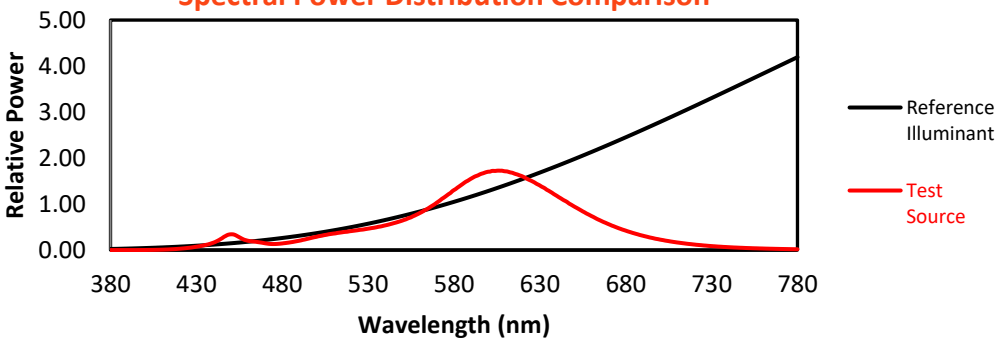
REPORT NUMBER: SP1-2501-332-2

TM-30-18

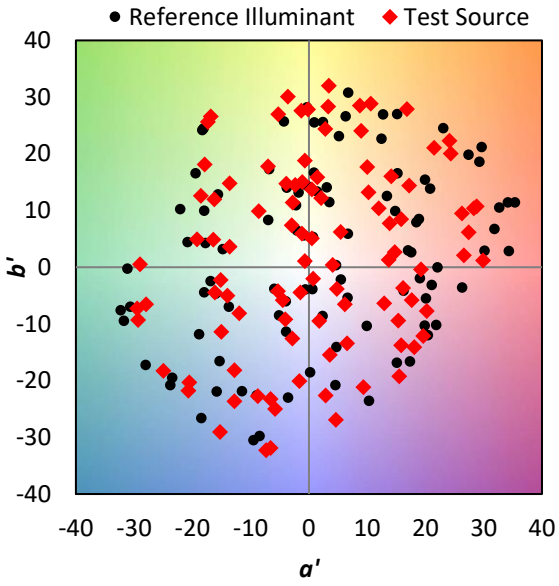
Summary

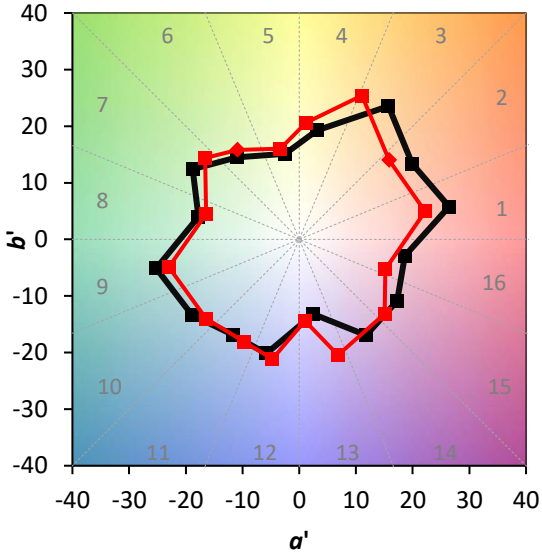
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

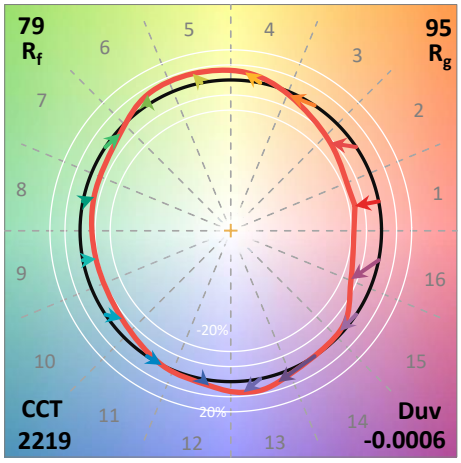
Spectral Power Distribution Comparison

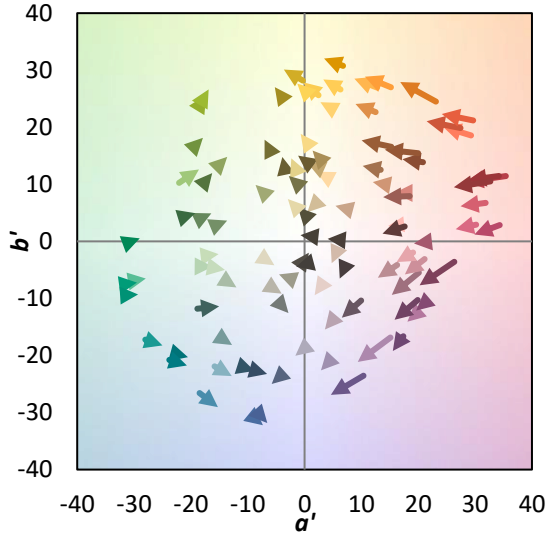


Color Vector Graphics







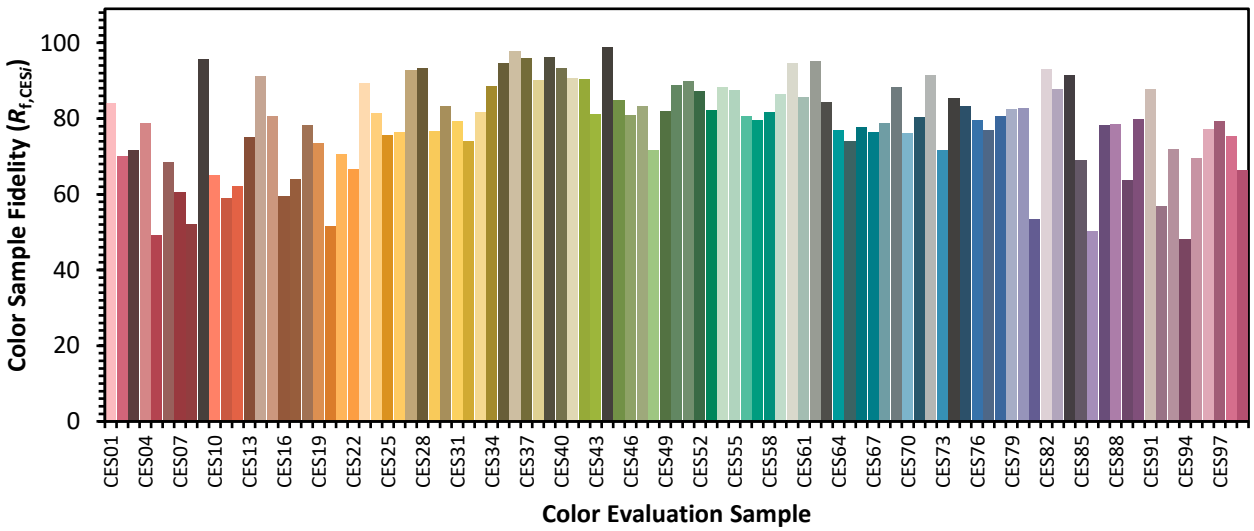


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

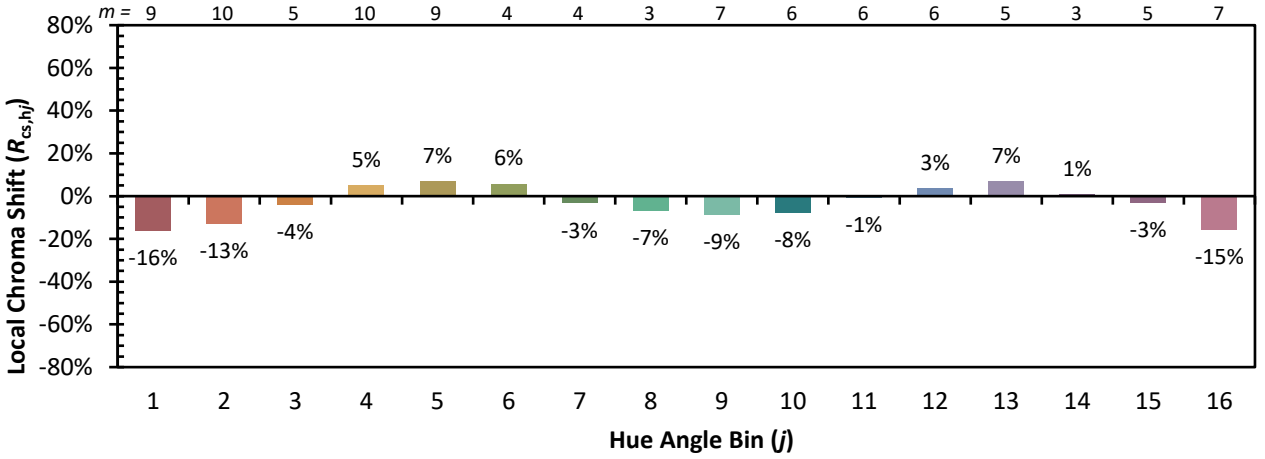
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

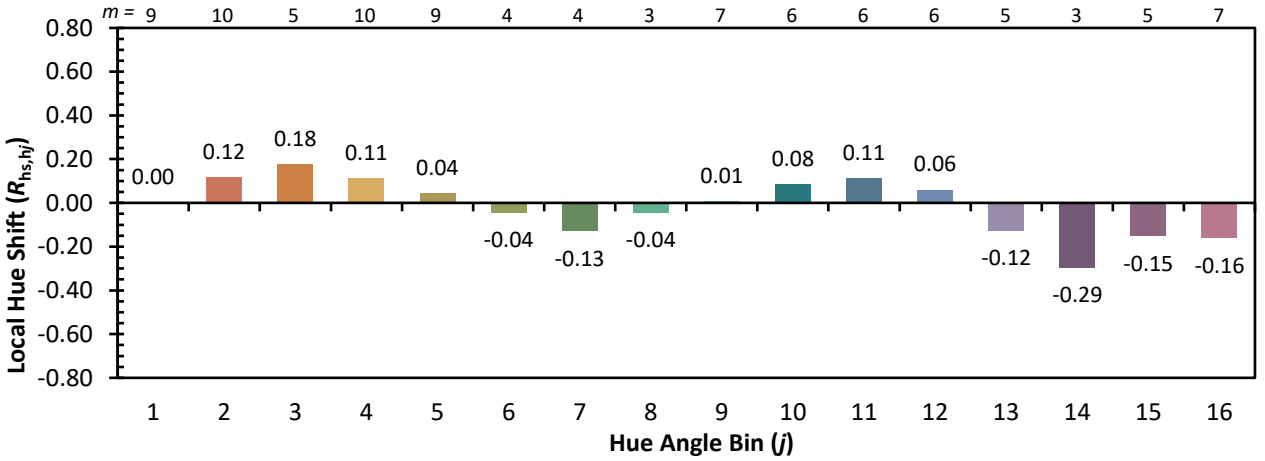


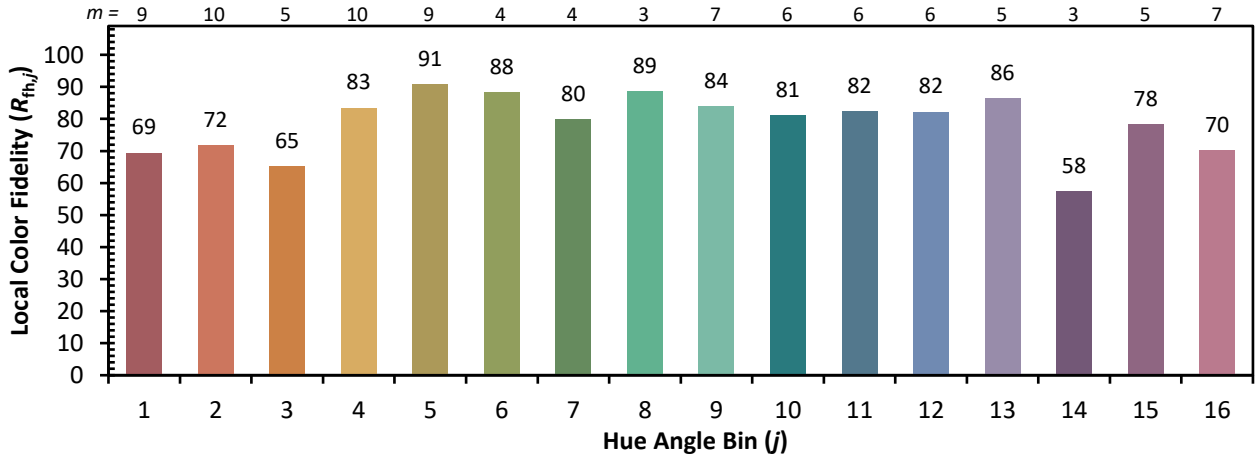
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Color Rendition by Hue-Angle Bin



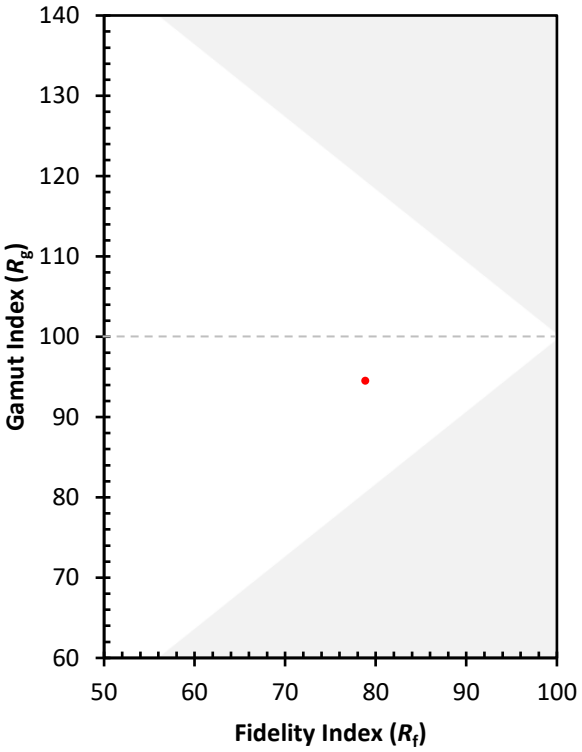


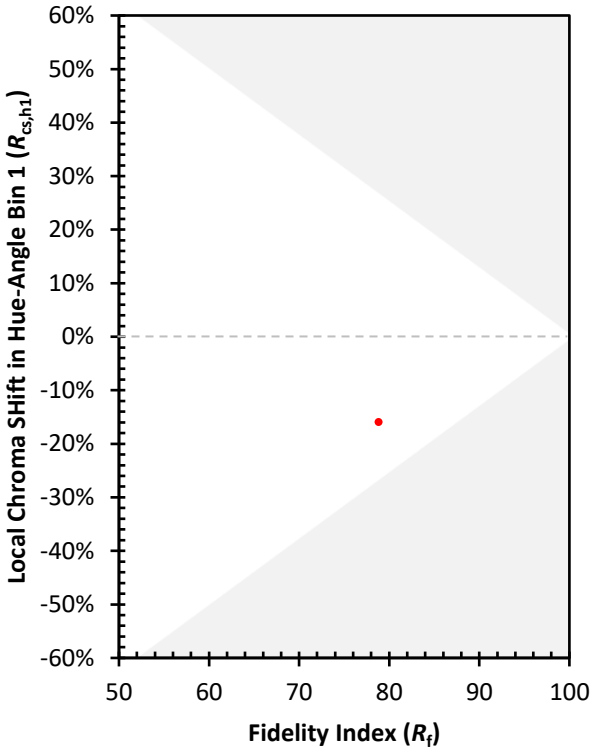


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Measure Comparisons





(END OF REPORT)