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: P1046383

Luminaire Tested: **FFX-CLB-70-730-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:	P1046383
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11012.7 lumens
Efficiency:	N/A
Efficacy:	154.7 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):	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

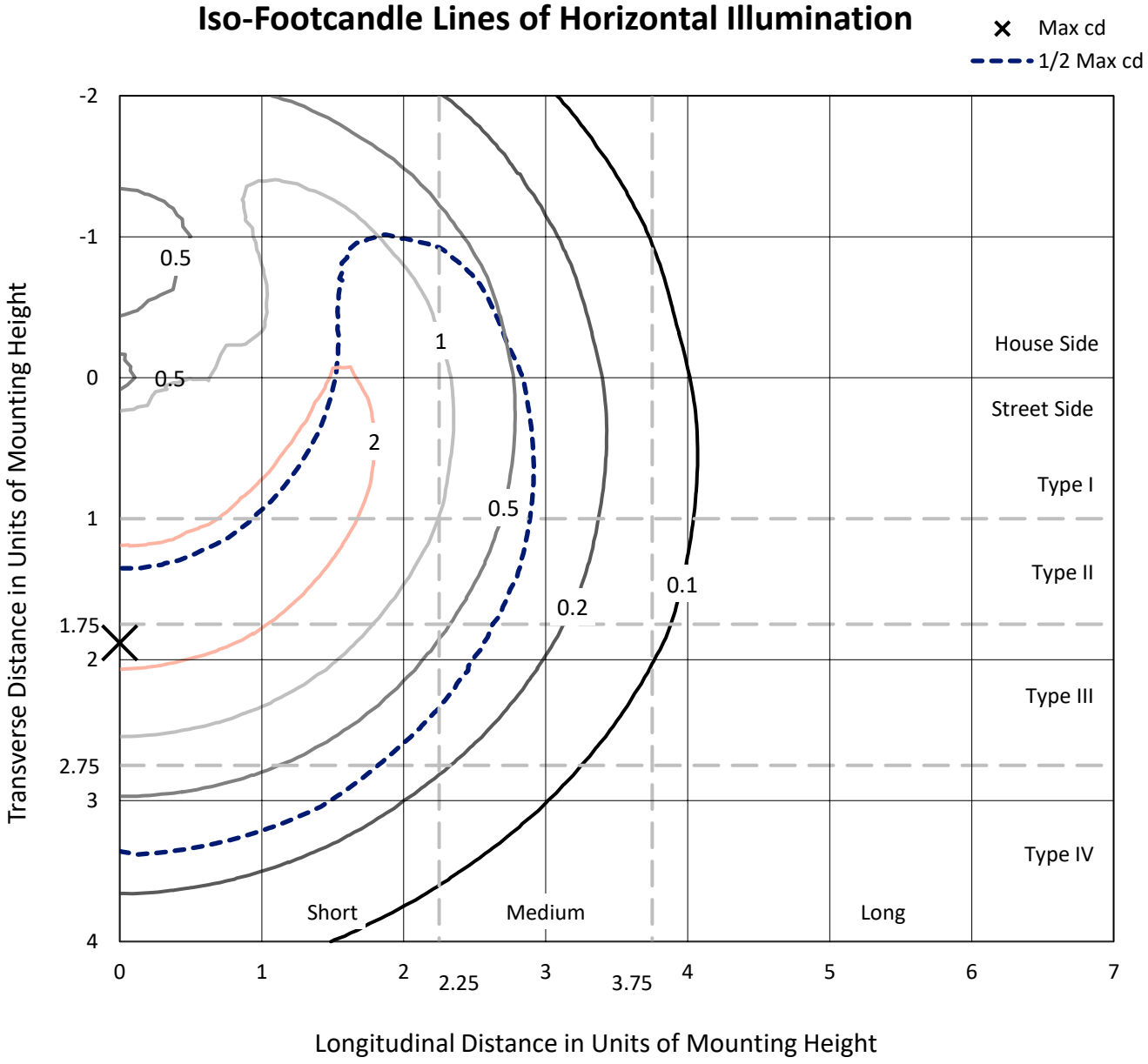


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Iso-Footcandle Lines of Horizontal Illumination



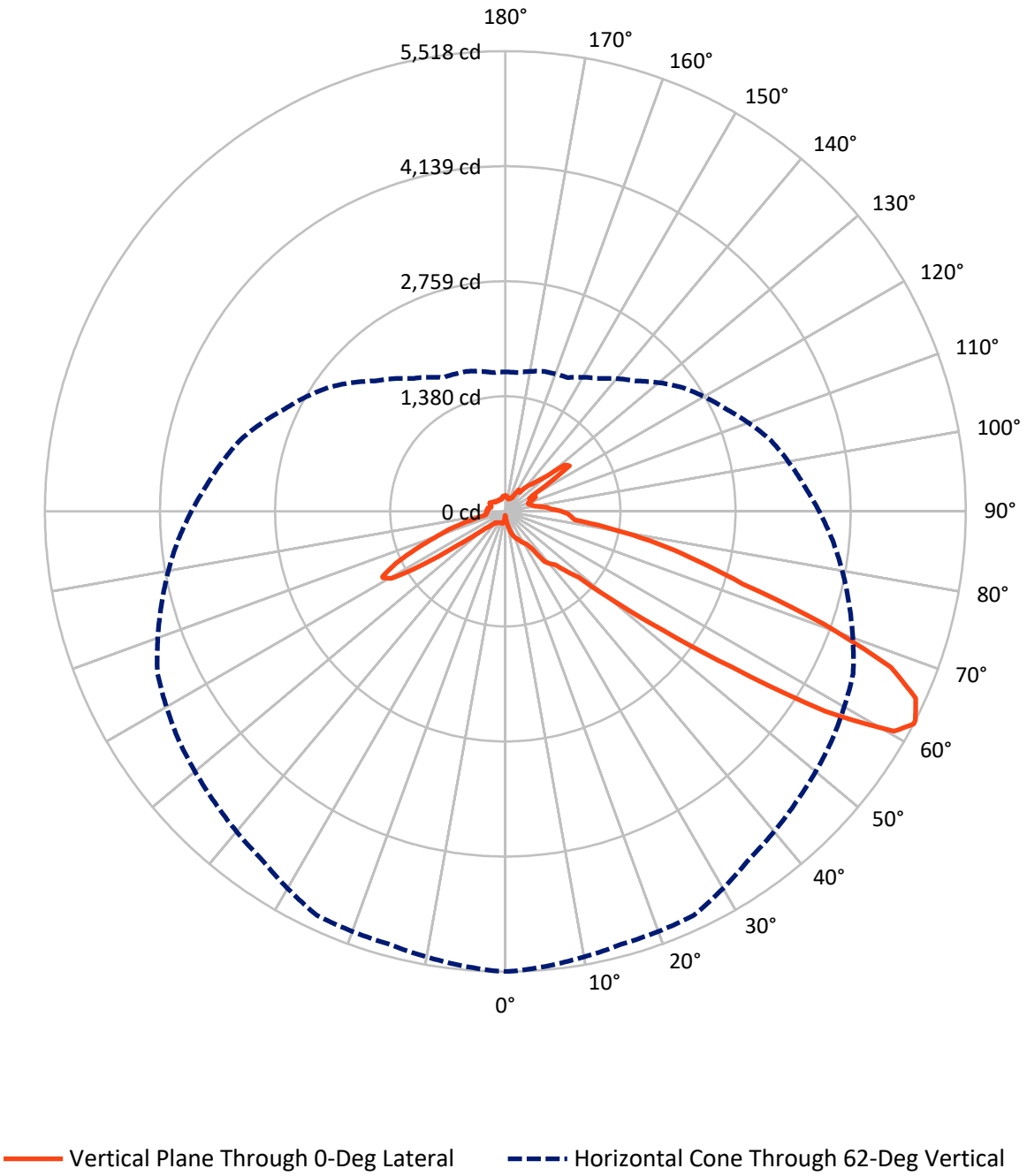
Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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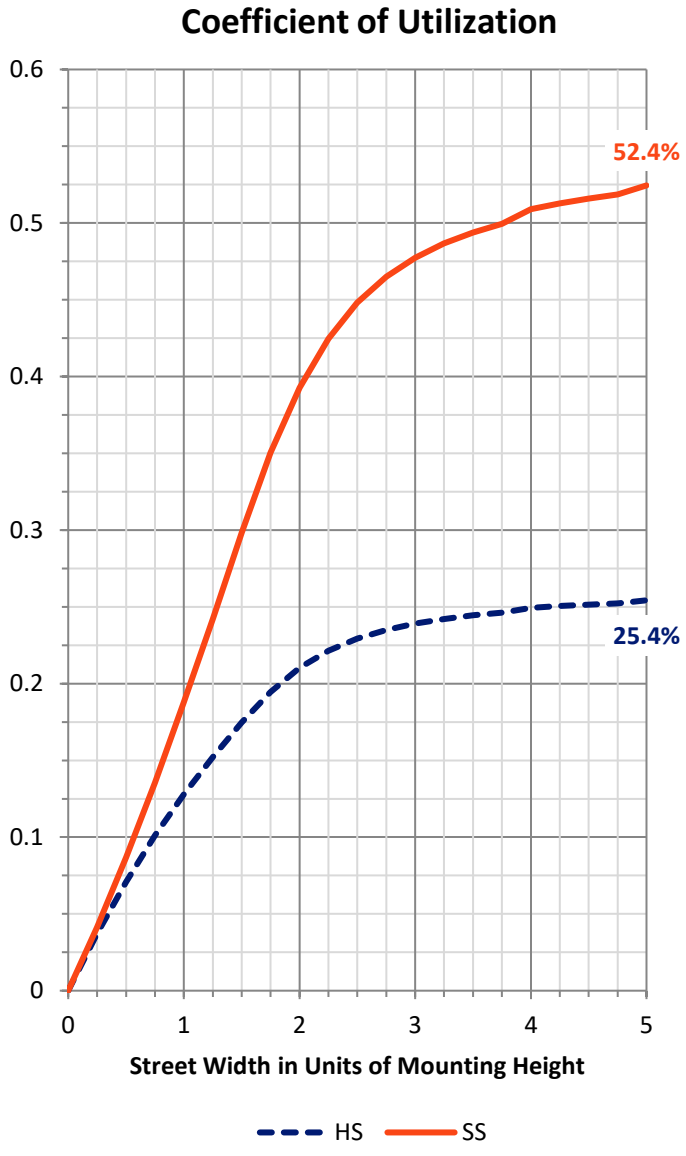
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2897.6	827.9	3725.5
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	6015.6	1271.6	7287.2
	% Fixture	54.6	11.5	66.2
Total	Lumens	8913.1	2099.5	11012.7
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.1
10°-20°	61.1	0.6
20°-30°	132.3	1.2
30°-40°	264.8	2.4
40°-50°	580.0	5.3
50°-60°	2030.9	18.4
60°-70°	3398.8	30.9
70°-80°	1764.1	16.0
80°-90°	670.0	6.1
90°-100°	427.3	3.9
100°-110°	283.2	2.6
110°-120°	295.8	2.7
120°-130°	494.2	4.5
130°-140°	297.4	2.7
140°-150°	157.3	1.4
150°-160°	82.7	0.8
160°-170°	44.9	0.4
170°-180°	16.8	0.2
0°-90°	8913.1	80.9
0°-180°	11012.7	100.0



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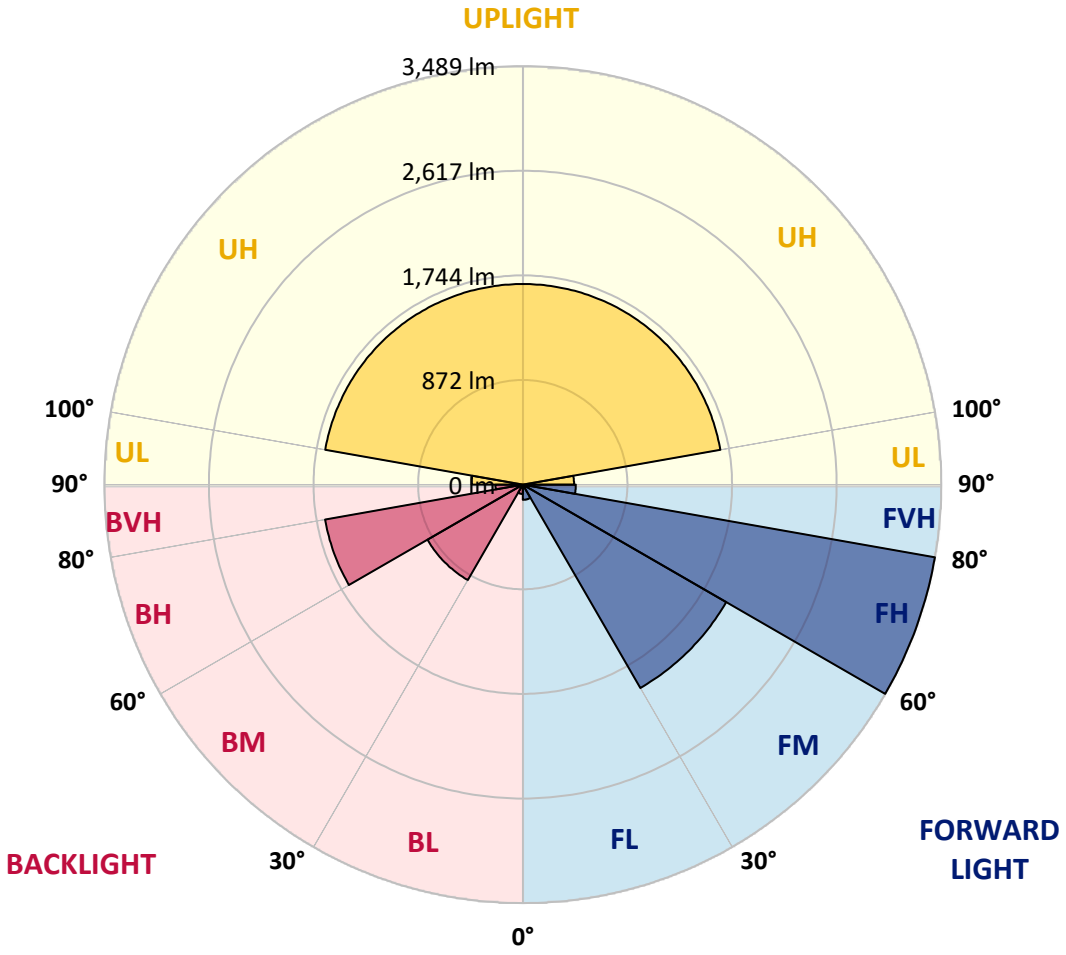
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	126.9	1.2			
FM	(30°-60°)	1957.9	17.8			
FH	(60°-80°)	3488.8	31.7			G2/5000
FVH	(80°-90°)	441.9	4.0			G3/500
BL	(0°-30°)	77.6	0.7	B0/110		
BM	(30°-60°)	917.8	8.3	B1/1000		
BH	(60°-80°)	1674.1	15.2	B3/2500		G3/2500
BVH	(80°-90°)	228.1	2.1			G3/500
UL	(90°-100°)	427.3	3.9		U3/500	
UH	(100°-180°)	1672.3	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°	*68.7*	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	*69.4*	68.0	68.0	70.8	74.3	74.3	75.0	72.9	72.9	72.2	72.9
5°	*100.9*	98.1	99.5	100.2	101.6	103.0	104.4	104.4	101.6	99.5	93.9
7.5°	*140.8*	140.1	141.5	140.8	139.4	142.9	145.0	149.9	151.3	142.2	131.0
10°	*181.4*	179.3	178.6	179.3	180.0	177.9	182.1	185.6	180.7	170.2	160.4
12.5°	*225.6*	225.6	225.6	224.9	224.9	224.2	222.8	222.1	217.2	205.3	189.9
15°	*274.6*	275.3	276.7	276.0	272.5	266.9	262.7	259.2	256.4	248.0	228.4
17.5°	*304.7*	303.3	304.7	304.0	302.6	299.1	291.4	284.4	275.3	263.4	248.7
20°	*332.8*	332.1	331.4	331.4	330.0	325.8	320.9	309.6	297.7	285.1	268.3
22.5°	*354.5*	353.1	354.5	353.8	353.1	351.7	343.3	333.5	320.2	306.1	288.6
25°	*382.5*	381.8	382.5	380.4	380.4	378.3	373.4	360.8	346.1	330.7	308.9
27.5°	*413.3*	411.2	413.3	412.6	409.8	404.2	400.0	386.0	367.8	353.1	333.5
30°	*439.3*	439.3	440.7	436.5	439.3	434.3	424.5	409.1	393.7	374.8	354.5
32.5°	*466.6*	466.6	465.2	464.5	468.0	461.7	450.5	432.2	419.6	400.0	382.5
35°	*542.9*	537.3	546.4	545.7	563.3	550.6	529.6	505.1	485.5	460.3	437.2
37.5°	*762.2*	759.4	755.2	728.6	697.8	702.7	706.2	678.8	654.3	608.8	554.8
40°	*824.6*	823.9	823.2	807.7	816.2	793.7	782.5	768.5	764.3	704.8	632.6
42.5°	*875.7*	867.3	875.7	903.7	947.9	932.4	875.7	802.8	789.5	732.8	703.4
45°	*1014.4*	1008.8	1022.8	1031.2	1017.2	992.0	1008.1	954.9	918.4	837.9	783.9
47.5°	*1180.4*	1174.8	1188.2	1195.2	1223.9	1197.3	1184.7	1139.1	1078.2	1001.8	931.7
50°	*1675.7*	1612.7	1663.8	1646.3	1653.3	1593.8	1617.6	1552.4	1497.8	1372.4	1245.6
52.5°	*2365.8*	2344.8	2309.8	2270.5	2300.6	2236.9	2256.5	2185.8	2087.0	1941.3	1754.2
55°	*3299.6*	3228.9	3251.3	3331.9	3315.1	3200.9	3181.3	3008.9	2831.7	2613.8	2416.9
57.5°	*4521.4*	4486.4	4445.8	4391.8	4339.3	4220.9	4162.7	3970.1	3694.8	3390.7	3116.8
60°	*5353.0*	5325.0	5306.8	5142.1	5045.4	4807.3	4753.3	4619.5	4374.3	4043.6	3666.0
62°	*5518.3*	*5514.1*	*5477.0*	*5374.7*	*5346.0*	*5093.8*	*4929.9*	*4780.6*	*4600.6*	*4265.0*	*3936.5*
62.5°	*5516.9*	5508.5	5486.8	5401.3	5371.9	5135.8	4957.9	4799.6	4620.2	4290.9	3968.0
65°	*5404.8*	5385.9	5376.1	5325.0	5311.7	5173.0	4936.9	4773.6	4623.0	4260.1	3991.1
67.5°	*4983.1*	5005.5	5006.9	4955.8	4911.6	4829.0	4603.4	4461.9	4358.2	3979.9	3726.3
70°	*4045.0*	4014.9	3984.1	4007.9	3988.3	3943.5	3764.1	3586.2	3456.6	3258.3	3018.0
72.5°	*2973.2*	3020.8	3020.1	3027.1	3030.6	2917.8	2838.0	2735.7	2665.6	2494.0	2322.4
75°	*2383.3*	2387.5	2374.2	2325.2	2272.6	2207.5	2221.5	2212.4	2178.7	1997.3	1827.1
77.5°	*1881.7*	1835.5	1854.4	1777.3	1709.4	1708.7	1736.0	1762.6	1777.3	1631.6	1499.9
80°	*1324.8*	1314.3	1297.4	1304.4	1248.4	1263.1	1276.4	1294.6	1265.9	1179.7	1118.8
82.5°	*836.5*	827.4	814.1	878.5	932.4	920.5	877.8	809.1	793.0	799.3	785.3
85°	*790.9*	790.2	778.3	772.0	763.6	744.7	755.2	769.9	761.5	713.9	652.2
87.5°	*746.8*	744.7	735.6	732.1	716.0	713.9	723.7	729.3	732.8	690.1	638.2
90°	*654.3*	645.9	637.5	644.5	642.4	643.8	646.6	645.2	646.6	596.2	574.5
92.5°	*545.7*	543.6	537.3	540.8	545.7	565.4	556.9	543.6	541.5	521.2	500.2
95°	*498.1*	499.5	491.8	496.7	498.1	498.1	492.5	486.2	481.3	465.2	446.3
97.5°	*412.6*	406.3	403.5	407.0	408.4	403.5	400.0	389.5	388.8	372.7	363.6
100°	*351.0*	349.6	348.2	352.4	353.8	351.7	352.4	346.1	345.4	336.3	326.5
102.5°	*327.9*	327.2	326.5	330.0	331.4	330.0	327.9	321.6	323.0	313.2	306.1
105°	*309.6*	309.6	308.9	311.0	306.8	304.7	301.9	301.9	303.3	295.6	285.1
107.5°	*289.3*	288.6	289.3	288.6	283.7	281.6	280.9	278.8	283.7	279.5	268.3

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*292.8*	292.8	292.1	284.4	281.6	278.1	276.7	280.2	278.8	271.8	264.8
112.5°	*358.7*	354.5	357.3	346.8	341.9	344.7	346.1	348.9	354.5	343.3	332.8
115°	*400.7*	401.4	408.4	408.4	397.9	402.8	402.8	402.1	407.7	399.3	388.8
117.5°	*327.2*	331.4	353.8	339.8	343.3	346.1	328.6	322.3	320.9	323.0	345.4
120°	*376.9*	371.3	392.3	348.2	334.9	334.9	347.5	363.6	346.1	319.5	326.5
122.5°	*616.5*	617.2	617.9	636.8	634.7	640.3	630.5	617.9	581.5	582.2	549.2
125°	*943.7*	934.5	934.5	926.1	924.7	911.4	928.2	938.8	910.7	863.1	811.3
127.5°	*903.0*	922.6	915.6	894.6	874.3	867.3	886.9	919.8	903.7	861.7	814.1
130°	*641.0*	645.9	644.5	666.9	672.5	665.5	672.5	648.7	652.2	662.0	636.8
132.5°	*537.3*	534.5	544.3	575.2	587.1	573.1	553.4	535.9	536.6	557.6	556.2
135°	*463.1*	461.0	468.0	469.4	482.7	471.5	454.0	454.0	458.2	463.1	461.0
137.5°	*418.2*	415.4	417.5	401.4	385.3	384.6	398.6	406.3	402.1	397.2	391.6
140°	*360.1*	361.5	358.0	344.7	337.7	339.1	348.2	360.1	356.6	346.1	337.7
142.5°	*286.5*	283.7	287.9	297.7	311.8	311.8	297.7	283.0	282.3	287.2	294.2
145°	*282.3*	280.9	281.6	279.5	282.3	279.5	275.3	271.1	266.2	262.7	259.9
147.5°	*306.1*	306.1	305.4	301.9	299.1	294.2	295.6	300.5	303.3	300.5	296.3
150°	*248.7*	250.8	250.8	250.1	247.3	249.4	252.2	253.6	256.4	256.4	252.2
152.5°	*191.3*	190.6	192.7	189.9	189.2	190.6	194.1	196.9	197.6	197.6	192.0
155°	*182.1*	180.7	182.1	180.7	179.3	180.7	183.5	184.9	186.3	184.2	178.6
157.5°	*170.2*	170.2	170.2	168.8	169.5	169.5	170.9	171.6	172.3	171.6	170.2
160°	*161.1*	161.1	161.8	161.1	161.1	162.5	161.8	161.1	161.1	160.4	159.7
162.5°	*155.5*	155.5	155.5	155.5	154.8	154.8	155.5	154.8	154.1	153.4	154.8
165°	*152.7*	152.0	152.0	152.0	152.7	152.0	152.0	152.0	151.3	153.4	156.2
167.5°	*158.3*	156.9	157.6	158.3	158.3	157.6	157.6	157.6	159.0	161.1	163.2
170°	*166.0*	165.3	165.3	166.0	166.0	165.3	165.3	165.3	166.0	166.7	167.4
172.5°	*172.3*	171.6	171.6	171.6	170.9	170.2	170.2	170.2	170.2	170.2	170.9
175°	*178.6*	178.6	178.6	178.6	177.9	177.2	177.2	177.2	177.2	177.2	177.2
177.5°	*185.6*	184.9	185.6	184.9	184.9	184.9	184.2	183.5	182.8	182.8	182.8
180°	*184.2*	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	71.5	70.8	66.6	63.1	60.2	57.4	53.2	49.7	46.9	46.2	46.2
5°	92.5	91.1	86.9	81.3	78.5	74.3	70.1	67.3	63.8	62.4	63.1
7.5°	127.5	128.2	129.6	132.4	131.0	119.1	105.8	103.0	105.8	110.0	112.1
10°	158.3	156.2	155.5	164.6	162.5	145.0	127.5	121.9	126.8	135.9	140.1
12.5°	183.5	179.3	178.6	180.0	171.6	152.7	138.0	131.7	134.5	141.5	140.8
15°	220.7	214.4	205.3	199.7	189.2	175.8	157.6	147.1	147.1	147.1	146.4
17.5°	242.4	235.4	217.9	201.8	188.5	178.6	166.7	156.9	146.4	145.0	144.3
20°	261.3	250.8	231.9	214.4	197.6	183.5	166.7	154.8	145.7	144.3	143.6
22.5°	277.4	267.6	247.3	226.3	205.3	189.2	170.9	158.3	149.2	146.4	145.7
25°	299.1	288.6	265.5	241.0	216.5	196.2	179.3	164.6	153.4	147.8	147.8
27.5°	320.9	308.9	283.0	257.8	231.2	206.0	187.1	172.3	158.3	150.6	149.9
30°	341.9	328.6	300.5	271.8	245.2	218.6	196.9	180.0	164.6	156.2	155.5
32.5°	371.3	355.9	323.0	287.2	260.6	231.9	207.4	187.8	171.6	163.2	161.8
35°	428.7	411.2	374.1	327.9	285.8	247.3	217.9	192.0	176.5	167.4	166.7
37.5°	535.2	514.9	463.1	406.3	348.9	290.7	236.8	197.6	180.0	171.6	170.2
40°	599.0	559.0	504.4	459.6	416.1	360.1	290.7	229.1	187.1	177.2	175.8
42.5°	681.6	640.3	561.2	475.7	420.3	376.2	327.2	287.2	227.0	192.0	185.6
45°	760.1	728.6	660.6	569.6	485.5	409.1	348.2	309.6	271.1	231.2	224.9
47.5°	891.8	845.6	755.9	662.7	577.3	491.8	419.6	344.7	294.9	271.1	269.7
50°	1229.5	1145.4	1015.8	904.4	743.3	612.3	526.8	426.6	362.9	325.8	313.9
52.5°	1665.9	1578.4	1430.5	1269.4	1090.8	921.9	754.5	610.9	507.2	442.1	444.2
55°	2316.1	2228.5	2011.3	1735.3	1490.1	1314.3	1134.9	960.5	793.7	697.8	685.9
57.5°	3001.9	2923.4	2737.8	2400.8	2010.6	1685.6	1472.6	1349.3	1263.8	1159.4	1159.4
60°	3504.9	3374.6	3164.4	2824.7	2478.6	2051.2	1778.0	1601.5	1586.1	1567.9	1581.9
62°	*3762.0*	*3593.9*	*3294.0*	*2912.2*	*2590.7*	*2210.3*	*1944.8*	*1769.6*	*1738.8*	*1670.1*	*1671.5*
62.5°	3805.5	3619.8	3315.8	2912.2	2600.5	2224.3	1963.0	1792.0	1749.3	1665.2	1666.6
65°	3848.9	3625.4	3331.9	2865.3	2545.1	2175.9	1974.9	1752.1	1640.0	1499.2	1457.9
67.5°	3599.5	3370.4	3118.9	2664.2	2331.5	1974.9	1752.1	1528.6	1345.8	1202.9	1180.4
70°	2923.4	2743.4	2549.3	2201.9	1911.1	1622.5	1433.4	1231.6	1049.4	891.8	901.6
72.5°	2218.7	2050.5	1872.6	1651.9	1471.2	1277.1	1109.7	947.2	795.8	697.8	716.0
75°	1718.5	1606.4	1480.3	1319.9	1182.5	1003.2	812.7	668.3	566.1	506.5	510.0
77.5°	1413.0	1296.7	1193.8	1046.6	916.3	732.8	549.2	425.9	366.4	339.8	332.8
80°	1086.6	1001.8	910.7	779.0	635.4	493.9	369.2	311.8	272.5	252.9	245.2
82.5°	758.7	706.2	629.8	534.5	451.9	400.0	346.1	297.7	257.1	238.9	230.5
85°	624.9	596.9	554.8	500.9	451.9	394.4	334.2	285.1	250.1	236.1	228.4
87.5°	608.8	589.9	542.2	484.8	425.9	367.1	306.1	260.6	238.2	229.1	222.1
90°	558.3	536.6	503.0	446.3	393.7	330.7	280.9	253.6	236.8	226.3	218.6
92.5°	486.9	475.0	444.2	403.5	367.1	326.5	290.7	266.2	248.7	236.1	228.4
95°	432.9	418.9	401.4	368.5	338.4	305.4	272.5	249.4	231.2	217.9	211.6
97.5°	355.9	346.1	329.3	307.5	285.1	258.5	235.4	220.0	208.1	201.8	197.6
100°	323.0	316.7	306.8	291.4	273.2	254.3	237.5	229.1	224.2	220.0	217.9
102.5°	299.1	292.1	284.4	268.3	254.3	237.5	226.3	219.3	213.0	206.0	204.6
105°	278.1	272.5	262.0	248.7	234.7	218.6	205.3	201.1	195.5	189.2	188.5
107.5°	262.0	256.4	247.3	233.3	220.7	206.7	194.8	188.5	182.1	178.6	177.9

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

Scaled Data Report

REPORT NUMBER: P1046383
CATALOG NUMBER: FFX-CLB-70-730-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	260.6	256.4	246.6	234.7	224.9	210.9	197.6	195.5	188.5	180.0	179.3
112.5°	325.1	311.8	292.8	273.2	256.4	242.4	225.6	208.8	194.8	186.3	184.9
115°	376.9	363.6	340.5	311.8	285.1	255.0	226.3	205.3	197.6	195.5	198.3
117.5°	354.5	326.5	287.2	269.7	246.6	230.5	219.3	214.4	201.8	205.3	208.8
120°	340.5	321.6	287.2	284.4	273.9	255.7	229.8	224.2	217.2	211.6	210.9
122.5°	547.1	528.9	489.7	430.1	365.7	322.3	306.1	272.5	231.9	201.1	196.2
125°	775.5	746.1	669.0	603.2	517.7	425.9	343.3	272.5	217.2	187.8	184.2
127.5°	790.9	758.0	690.8	601.8	493.2	381.1	295.6	244.5	207.4	187.8	184.2
130°	616.5	595.5	545.7	462.4	387.4	320.9	272.5	231.2	197.6	182.8	180.7
132.5°	545.0	526.1	455.4	386.0	336.3	285.1	244.5	205.3	176.5	166.7	165.3
135°	450.5	429.4	382.5	339.8	303.3	262.0	221.4	187.8	167.4	162.5	161.8
137.5°	384.6	374.8	339.8	309.6	276.7	241.0	207.4	181.4	168.8	164.6	163.9
140°	332.1	330.0	308.2	281.6	248.7	210.9	184.9	169.5	164.6	162.5	161.8
142.5°	293.5	290.7	266.9	236.1	206.7	187.1	177.2	172.3	168.1	162.5	161.1
145°	254.3	249.4	234.7	221.4	212.3	206.0	196.9	181.4	165.3	156.9	156.2
147.5°	289.3	280.9	264.8	245.9	226.3	206.0	187.1	170.9	157.6	152.7	152.0
150°	243.1	242.4	231.9	217.2	202.5	184.2	170.2	159.7	154.1	153.4	153.4
152.5°	188.5	188.5	188.5	184.9	177.9	168.1	157.6	151.3	151.3	154.1	154.8
155°	177.2	177.9	178.6	177.2	171.6	162.5	153.4	150.6	151.3	154.1	154.8
157.5°	168.8	168.8	169.5	168.1	165.3	159.0	152.7	149.9	150.6	152.0	152.7
160°	159.0	159.0	159.7	159.7	156.9	154.8	152.0	149.9	149.9	150.6	151.3
162.5°	155.5	155.5	155.5	155.5	154.8	154.8	154.8	154.8	154.1	154.1	154.1
165°	156.9	156.9	154.8	154.1	155.5	157.6	161.1	161.8	158.3	157.6	157.6
167.5°	163.9	163.9	161.8	160.4	162.5	164.6	169.5	170.9	168.1	165.3	165.3
170°	168.1	168.1	168.1	168.8	169.5	171.6	174.4	175.8	175.1	174.4	174.4
172.5°	170.9	170.9	172.3	173.7	175.8	177.2	178.6	180.0	181.4	181.4	182.1
175°	176.5	177.2	178.6	179.3	180.7	182.1	183.5	184.9	185.6	185.6	185.6
177.5°	182.1	182.1	182.1	182.8	183.5	184.2	184.9	185.6	185.6	186.3	187.1
180°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

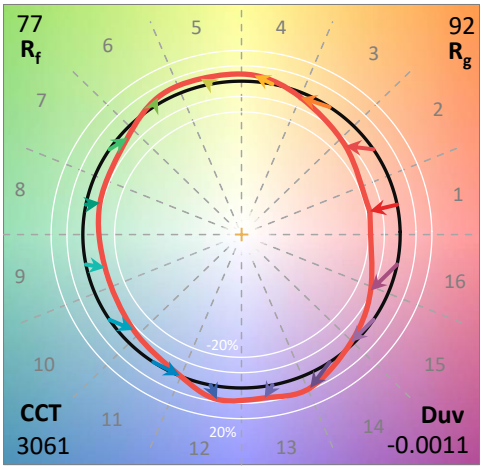
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

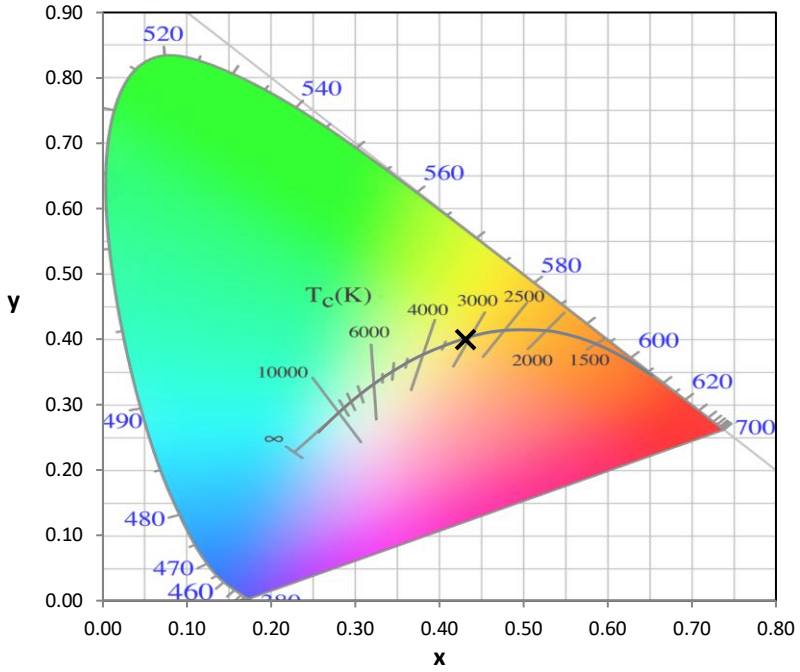
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

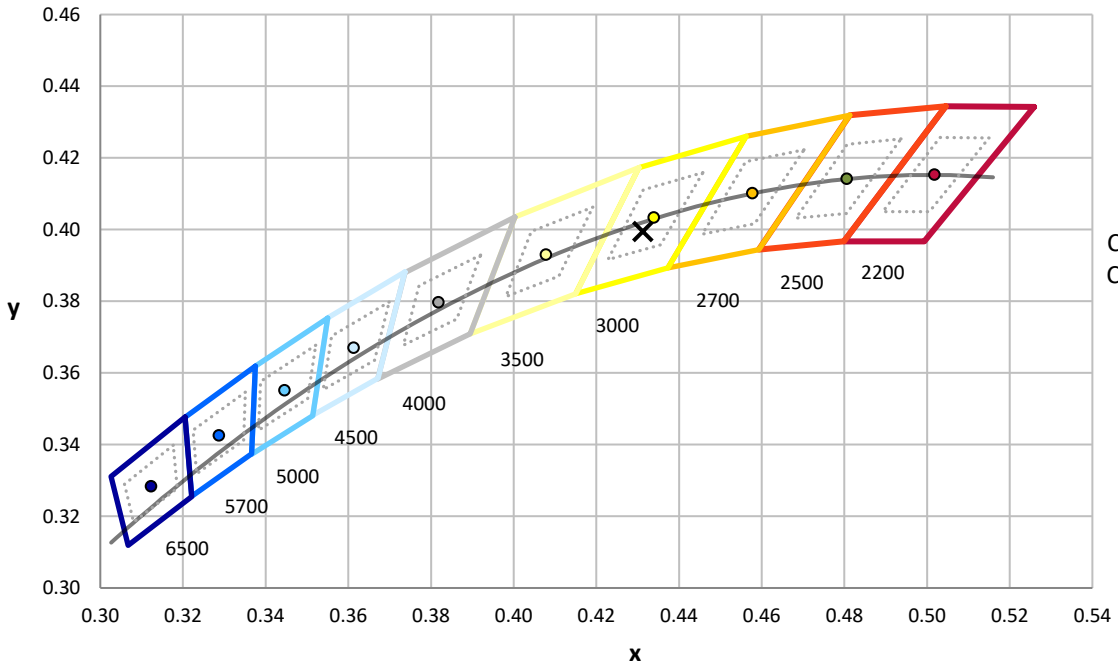
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

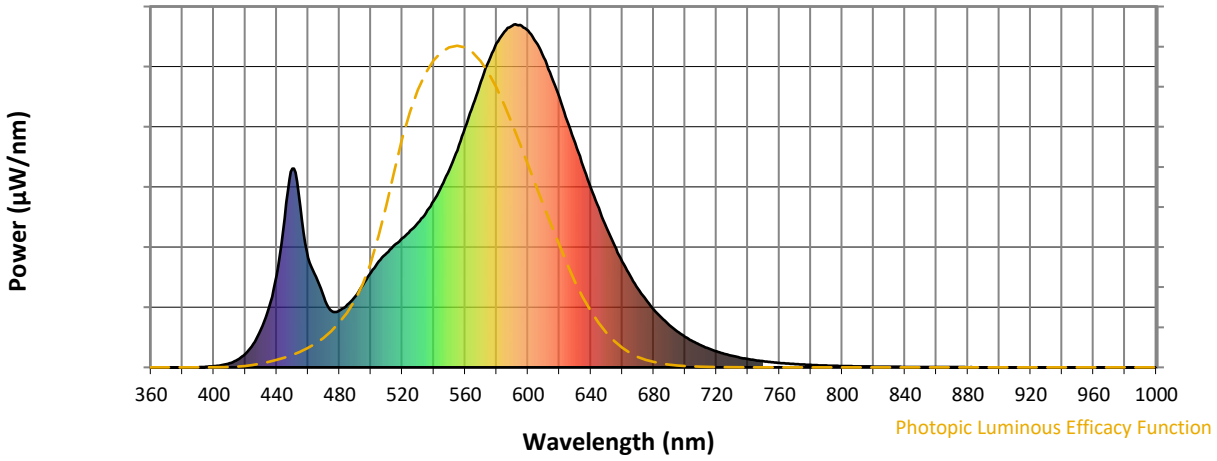


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

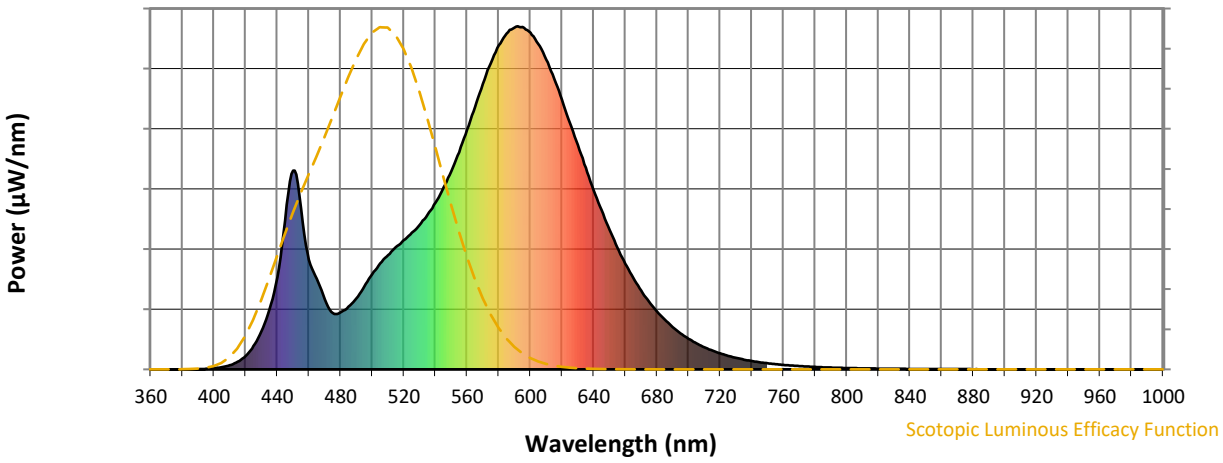


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

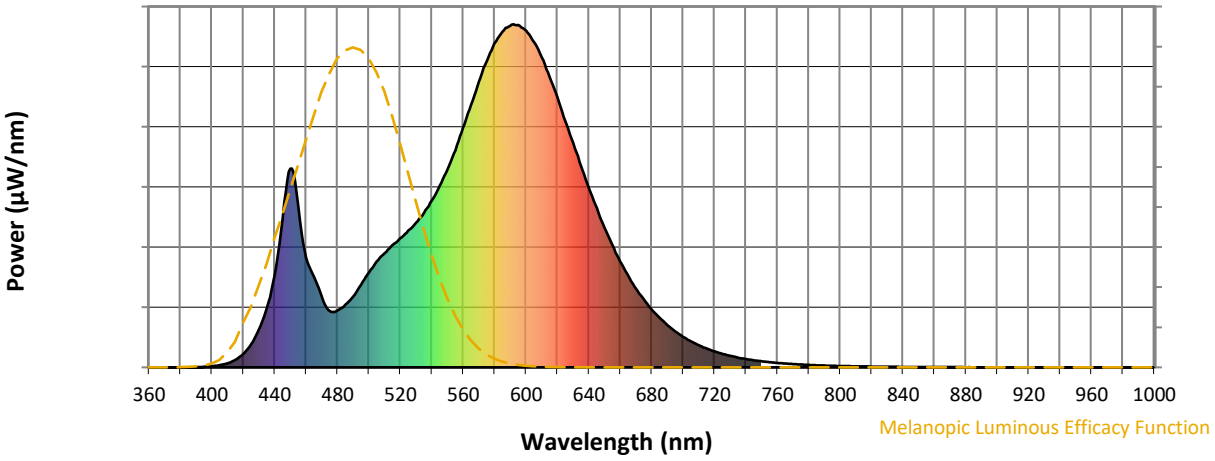


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

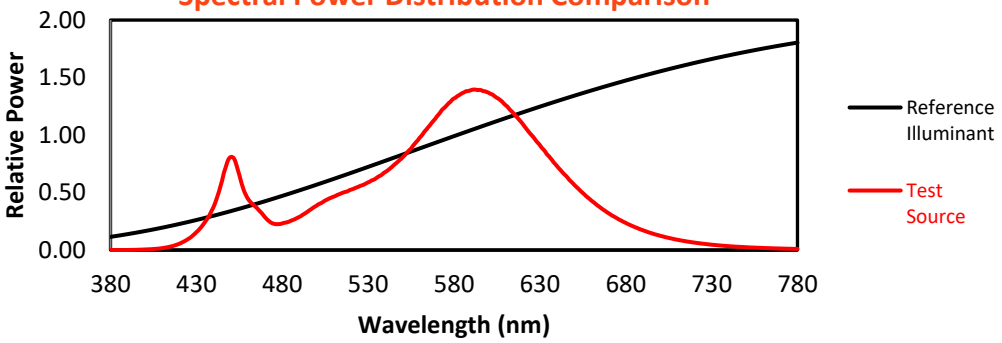
REPORT NUMBER: SP1-2501-332-4

TM-30-18

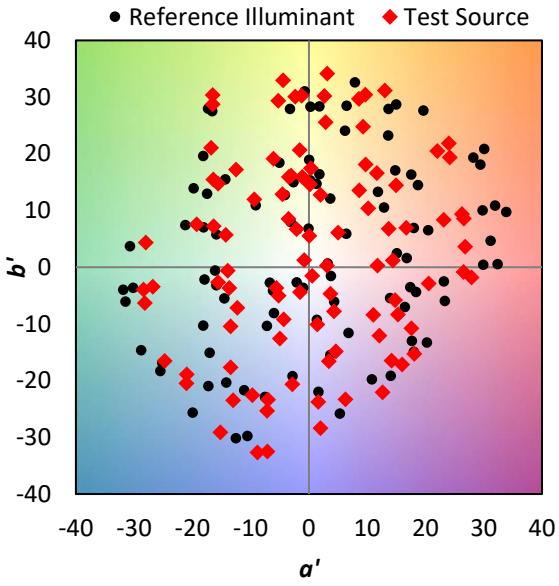
Summary

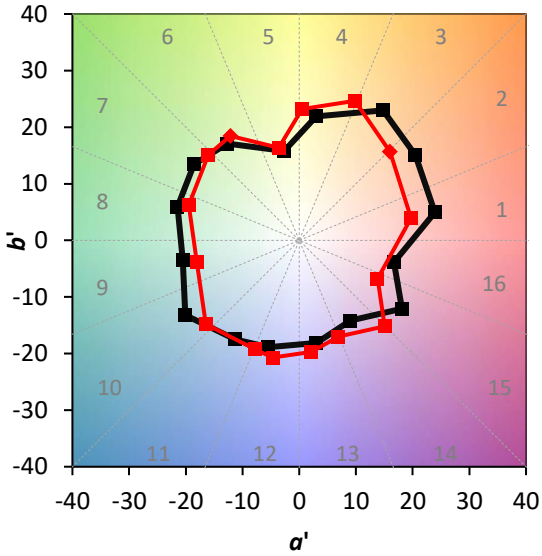
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

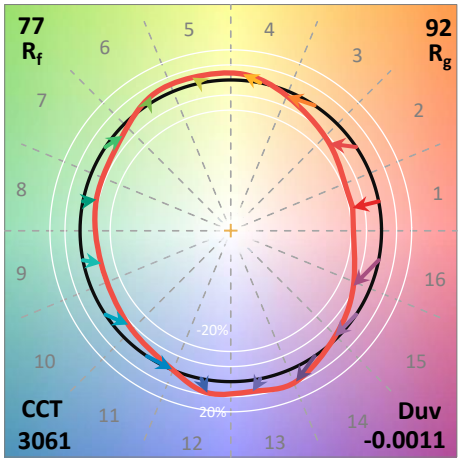
Spectral Power Distribution Comparison

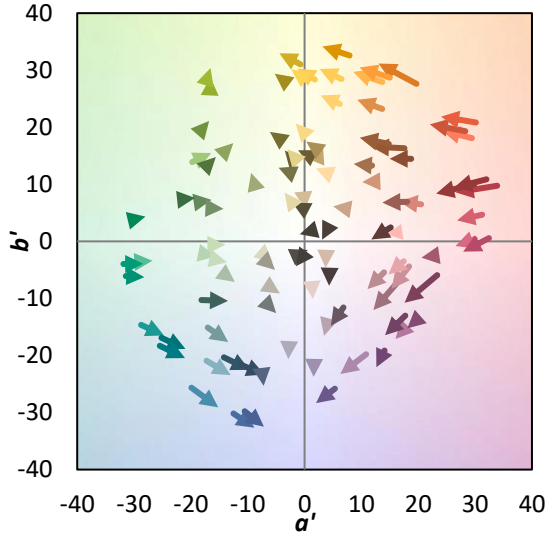


Color Vector Graphics







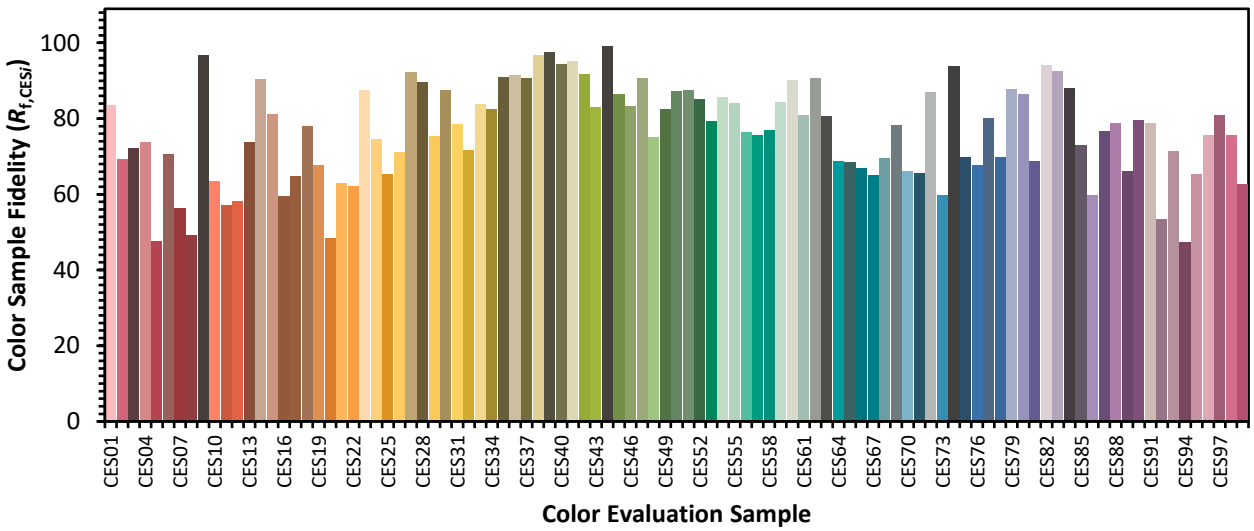


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

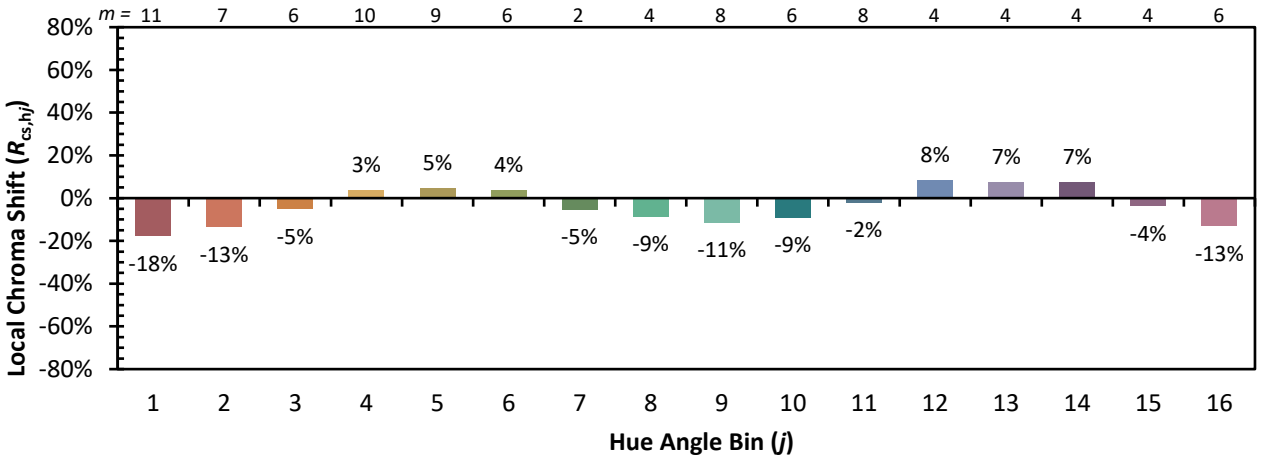
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

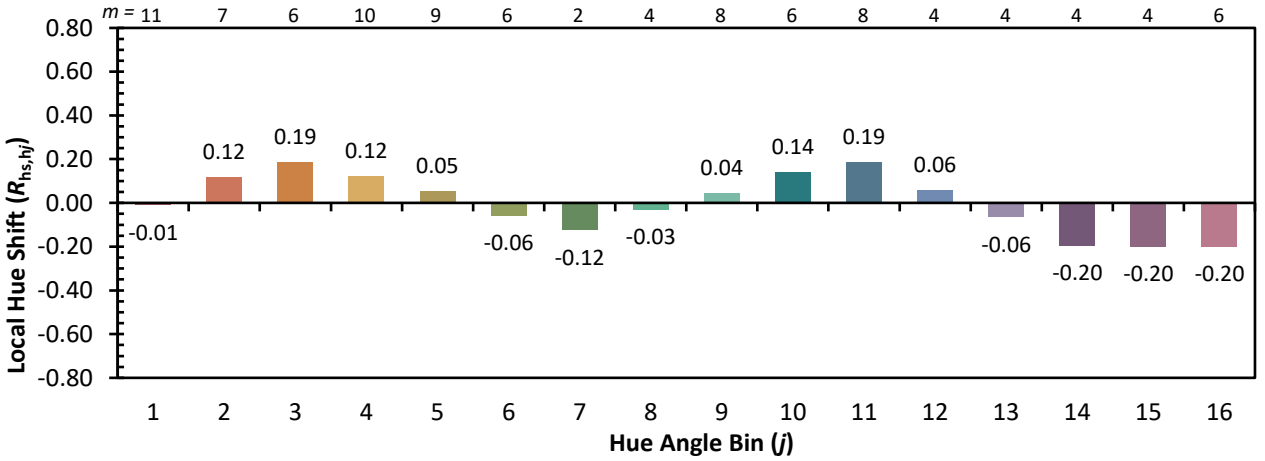


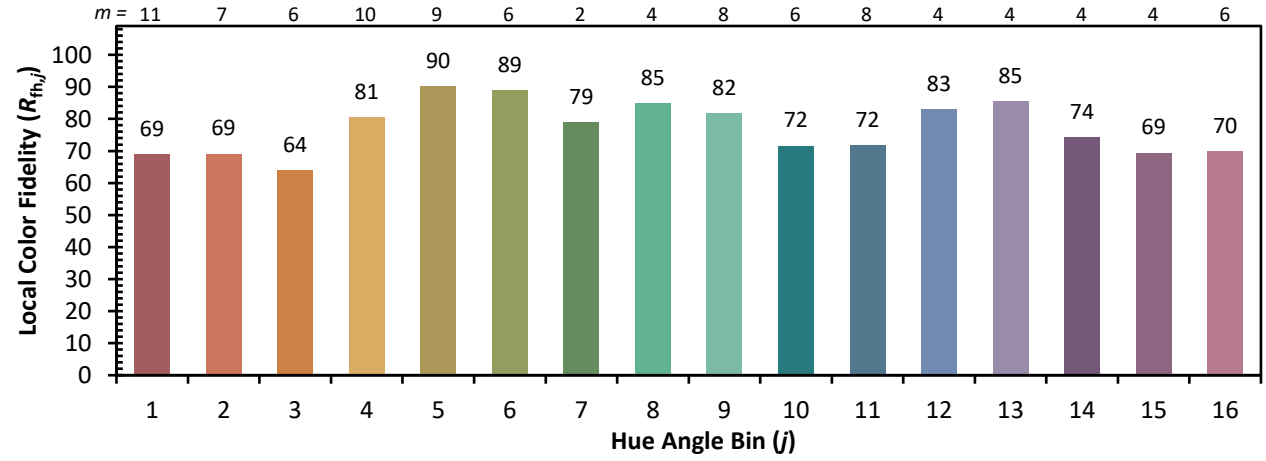
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Color Rendition by Hue-Angle Bin



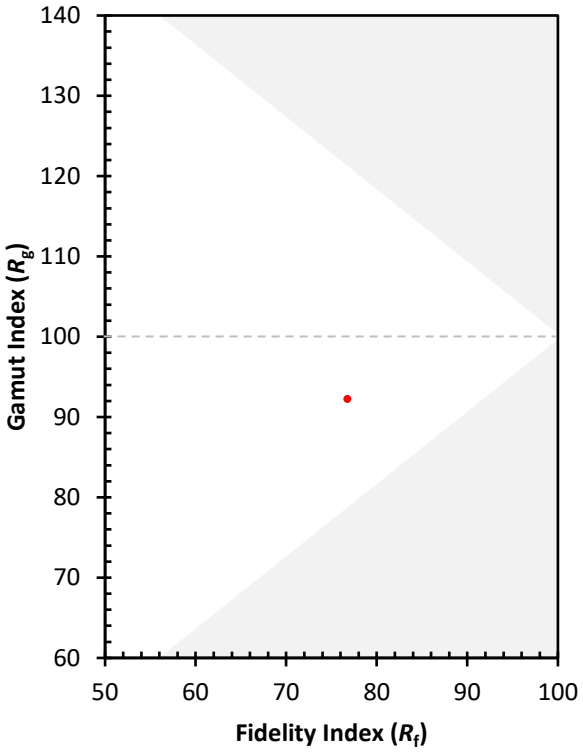


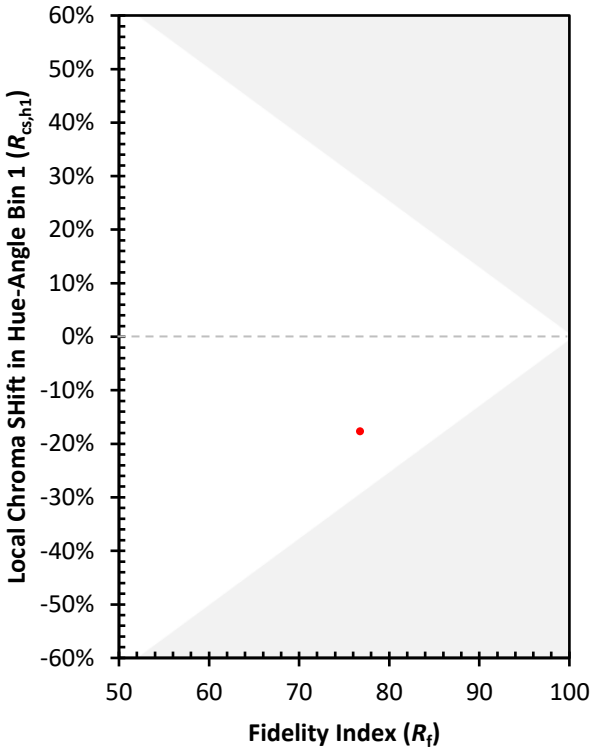


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Measure Comparisons





(END OF REPORT)