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: P1046373

Luminaire Tested: **FFX-CLB-80-727-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:	P1046373
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11864.9 lumens
Efficiency:	N/A
Efficacy:	145.0 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):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

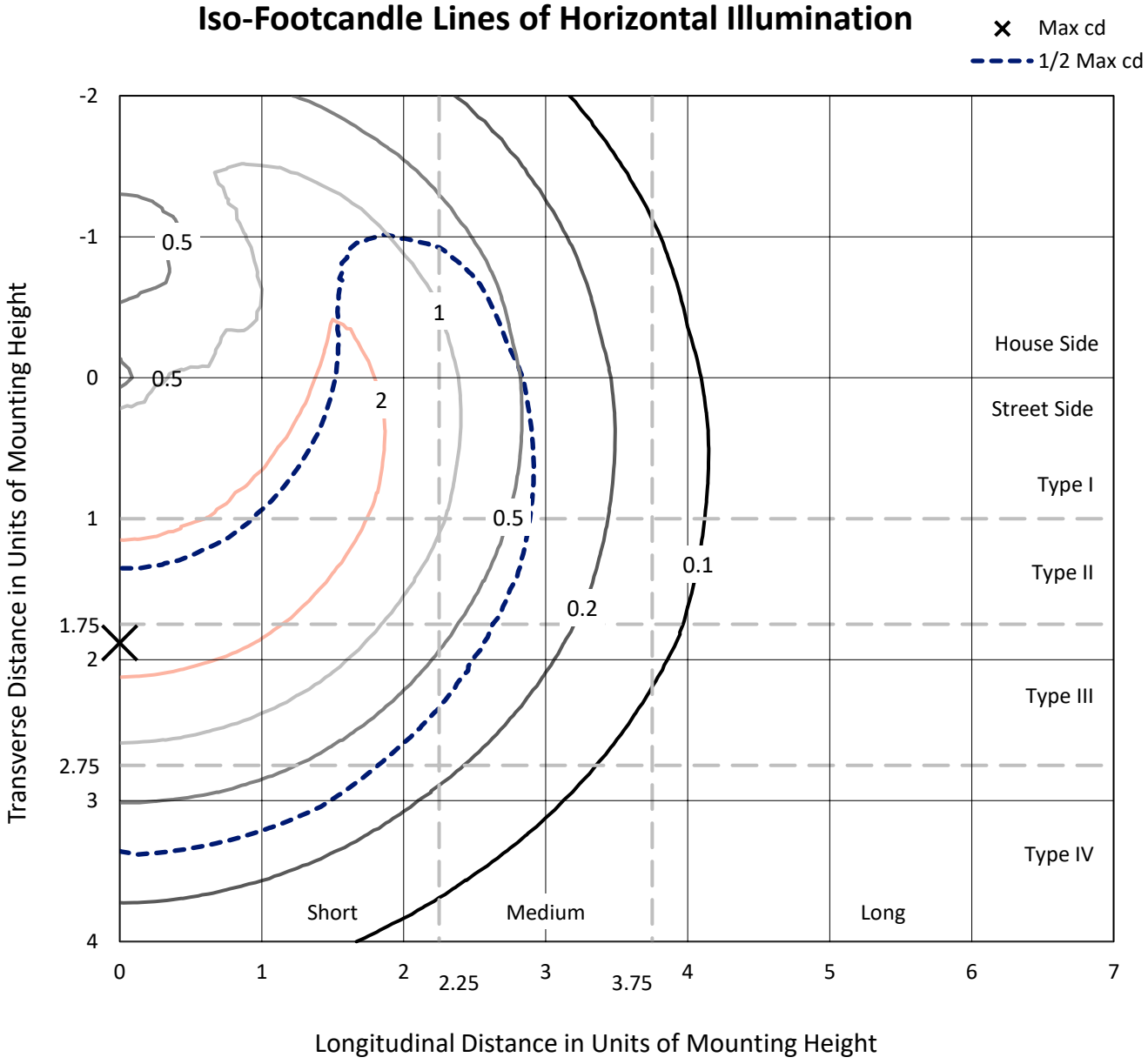


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Iso-Footcandle Lines of Horizontal Illumination



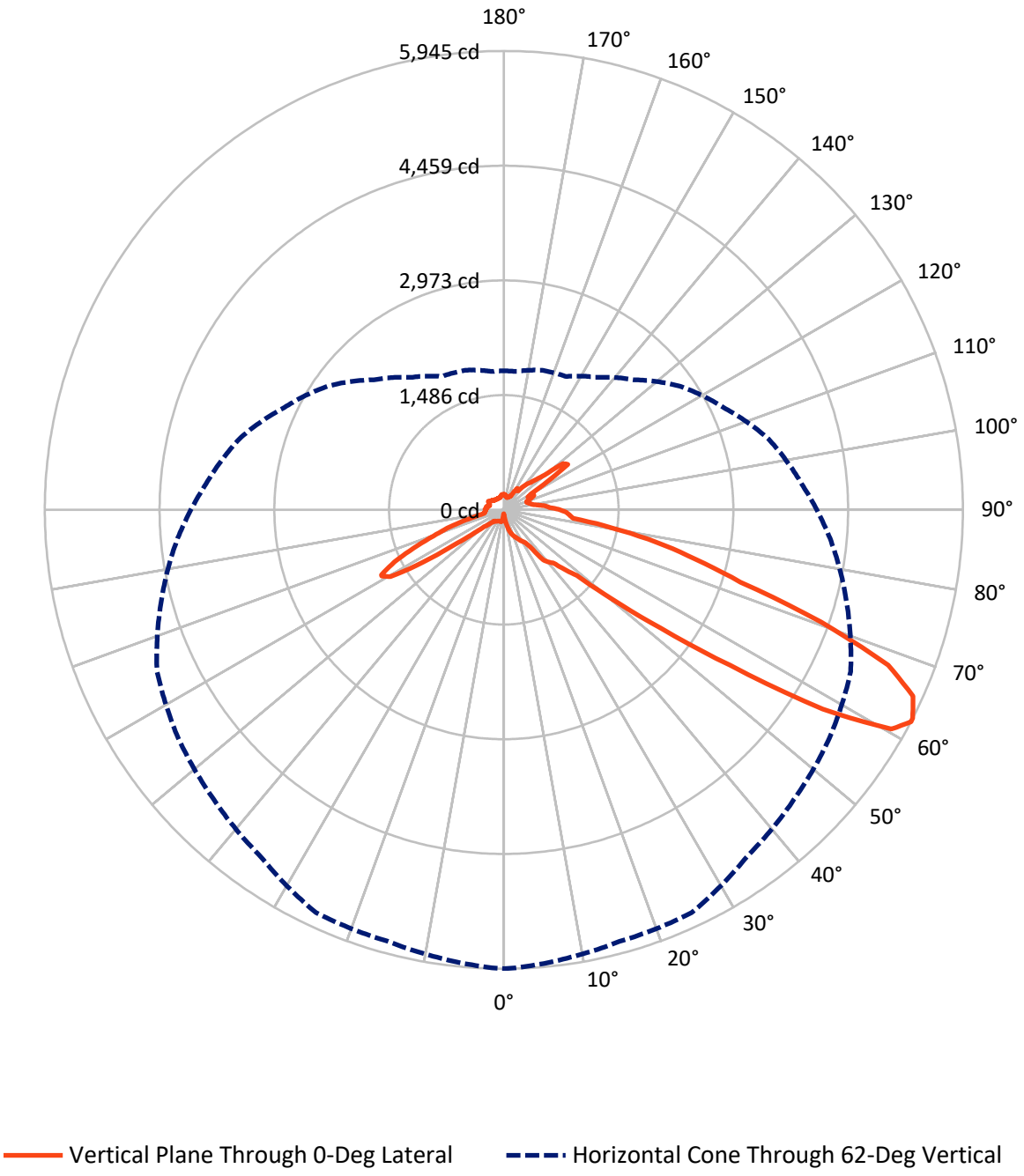
Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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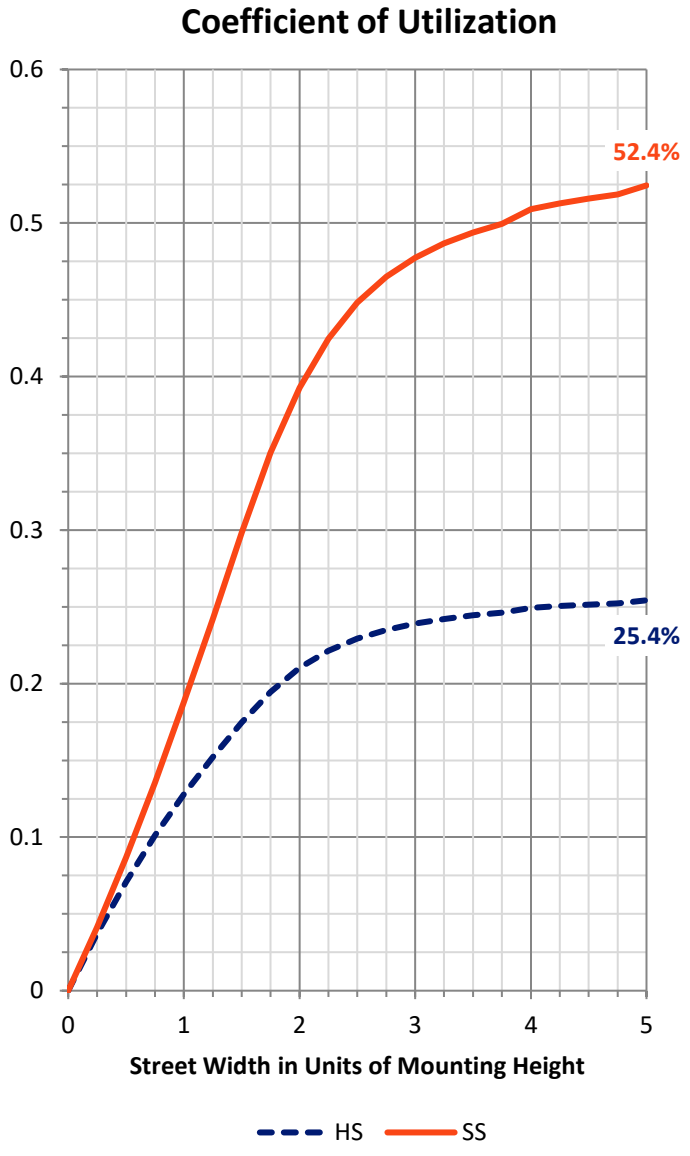
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3121.8	892.0	4013.8
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	6481.0	1370.0	7851.1
	% Fixture	54.6	11.5	66.2
Total	Lumens	9602.9	2262.0	11864.9
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	65.9	0.6
20°-30°	142.5	1.2
30°-40°	285.3	2.4
40°-50°	624.9	5.3
50°-60°	2188.0	18.4
60°-70°	3661.8	30.9
70°-80°	1900.6	16.0
80°-90°	721.8	6.1
90°-100°	460.3	3.9
100°-110°	305.1	2.6
110°-120°	318.7	2.7
120°-130°	532.5	4.5
130°-140°	320.5	2.7
140°-150°	169.5	1.4
150°-160°	89.1	0.8
160°-170°	48.3	0.4
170°-180°	18.1	0.2
0°-90°	9602.9	80.9
0°-180°	11864.9	100.0



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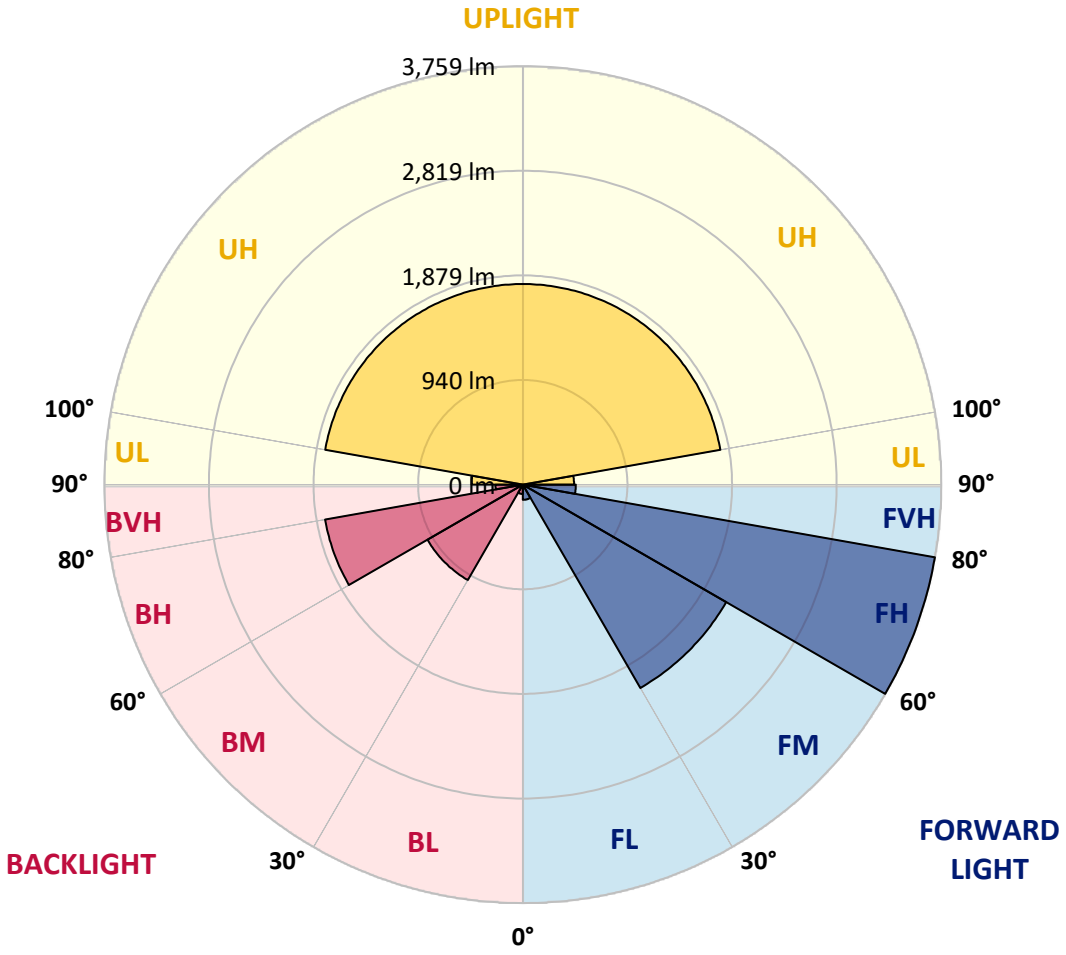
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	136.7	1.2			
FM	(30°-60°)	2109.4	17.8			
FH	(60°-80°)	3758.8	31.7			G2/5000
FVH	(80°-90°)	476.1	4.0			G3/500
BL	(0°-30°)	83.6	0.7	B0/110		
BM	(30°-60°)	988.8	8.3	B1/1000		
BH	(60°-80°)	1803.6	15.2	B3/2500		G3/2500
BVH	(80°-90°)	245.7	2.1			G3/500
UL	(90°-100°)	460.3	3.9		U3/500	
UH	(100°-180°)	1801.7	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°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2.5°	74.7	73.2	73.2	76.2	80.0	80.0	80.8	78.5	78.5	77.7	78.5
5°	108.7	105.7	107.2	107.9	109.4	111.0	112.5	112.5	109.4	107.2	101.1
7.5°	151.7	151.0	152.5	151.7	150.2	154.0	156.2	161.5	163.0	153.2	141.1
10°	195.5	193.2	192.5	193.2	194.0	191.7	196.2	200.0	194.7	183.4	172.8
12.5°	243.0	243.0	243.0	242.3	242.3	241.5	240.0	239.3	234.0	221.1	204.5
15°	295.9	296.6	298.1	297.4	293.6	287.6	283.0	279.3	276.2	267.2	246.1
17.5°	328.3	326.8	328.3	327.6	326.1	322.3	314.0	306.4	296.6	283.8	267.9
20°	358.5	357.8	357.0	357.0	355.5	351.0	345.7	333.6	320.8	307.2	289.1
22.5°	381.9	380.4	381.9	381.2	380.4	378.9	369.8	359.3	344.9	329.8	311.0
25°	412.1	411.3	412.1	409.8	409.8	407.6	402.3	388.7	372.9	356.3	332.9
27.5°	445.3	443.1	445.3	444.6	441.5	435.5	431.0	415.9	396.3	380.4	359.3
30°	473.2	473.2	474.8	470.2	473.2	468.0	457.4	440.8	424.2	403.8	381.9
32.5°	502.7	502.7	501.2	500.4	504.2	497.4	485.3	465.7	452.1	431.0	412.1
35°	584.9	578.9	588.7	588.0	606.8	593.2	570.6	544.2	523.1	495.9	471.0
37.5°	821.2	818.2	813.6	785.0	751.8	757.0	760.8	731.4	705.0	655.9	597.8
40°	888.4	887.6	886.9	870.3	879.3	855.2	843.1	828.0	823.5	759.3	681.6
42.5°	943.5	934.4	943.5	973.7	1021.2	1004.6	943.5	865.0	850.6	789.5	757.8
45°	1092.9	1086.9	1102.0	1111.0	1095.9	1068.8	1086.1	1028.8	989.5	902.7	844.6
47.5°	1271.8	1265.8	1280.1	1287.6	1318.6	1289.9	1276.3	1227.3	1161.6	1079.3	1003.8
50°	1805.4	1737.5	1792.6	1773.7	1781.3	1717.1	1742.8	1672.6	1613.7	1478.6	1342.0
52.5°	2548.9	2526.2	2488.5	2446.2	2478.7	2410.0	2431.1	2354.9	2248.5	2091.5	1889.9
55°	3555.0	3478.7	3502.9	3589.7	3571.6	3448.5	3427.4	3241.7	3050.8	2816.0	2604.0
57.5°	4871.3	4833.6	4789.8	4731.7	4675.0	4547.5	4484.8	4277.3	3980.7	3653.1	3358.0
60°	5767.2	5737.0	5717.4	5540.0	5435.9	5179.2	5121.1	4977.0	4712.8	4356.5	3949.7
62°	5945.3	5940.8	5900.8	5790.6	5759.7	5487.9	5311.3	5150.6	4956.6	4595.0	4241.1
62.5°	5943.8	5934.8	5911.4	5819.3	5787.6	5533.2	5341.5	5170.9	4977.7	4623.0	4275.0
65°	5823.1	5802.7	5792.1	5737.0	5722.7	5573.2	5318.9	5143.0	4980.7	4589.8	4299.9
67.5°	5368.7	5392.8	5394.3	5339.2	5291.7	5202.6	4959.6	4807.1	4695.4	4287.9	4014.6
70°	4358.0	4325.6	4292.4	4318.0	4296.9	4248.6	4055.4	3863.7	3724.0	3510.4	3251.6
72.5°	3203.2	3254.6	3253.8	3261.4	3265.1	3143.6	3057.6	2947.4	2871.9	2687.0	2502.1
75°	2567.7	2572.3	2557.9	2505.1	2448.5	2378.3	2393.4	2383.6	2347.3	2151.9	1968.4
77.5°	2027.3	1977.5	1997.9	1914.9	1841.6	1840.9	1870.3	1899.0	1914.9	1757.9	1616.0
80°	1427.3	1415.9	1397.8	1405.4	1345.0	1360.9	1375.2	1394.8	1363.9	1271.0	1205.4
82.5°	901.2	891.4	877.0	946.5	1004.6	991.8	945.7	871.8	854.4	861.2	846.1
85°	852.1	851.4	838.5	831.8	822.7	802.3	813.6	829.5	820.4	769.1	702.7
87.5°	804.6	802.3	792.5	788.7	771.4	769.1	779.7	785.7	789.5	743.4	687.6
90°	705.0	695.9	686.8	694.4	692.1	693.6	696.7	695.1	696.7	642.3	618.9
92.5°	588.0	585.7	578.9	582.7	588.0	609.1	600.0	585.7	583.4	561.5	538.9
95°	536.6	538.2	529.8	535.1	536.6	536.6	530.6	523.8	518.5	501.2	480.8
97.5°	444.6	437.8	434.7	438.5	440.0	434.7	431.0	419.7	418.9	401.5	391.7
100°	378.1	376.6	375.1	379.6	381.2	378.9	379.6	372.9	372.1	362.3	351.7
102.5°	353.2	352.5	351.7	355.5	357.0	355.5	353.2	346.4	347.9	337.4	329.8
105°	333.6	333.6	332.9	335.1	330.6	328.3	325.3	325.3	326.8	318.5	307.2
107.5°	311.7	311.0	311.7	311.0	305.7	303.4	302.7	300.4	305.7	301.2	289.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*315.5*	315.5	314.7	306.4	303.4	299.6	298.1	301.9	300.4	292.9	285.3
112.5°	*386.4*	381.9	384.9	373.6	368.3	371.3	372.9	375.9	381.9	369.8	358.5
115°	*431.7*	432.5	440.0	440.0	428.7	434.0	434.0	433.2	439.3	430.2	418.9
117.5°	*352.5*	357.0	381.2	366.1	369.8	372.9	354.0	347.2	345.7	347.9	372.1
120°	*406.1*	400.0	422.7	375.1	360.8	360.8	374.4	391.7	372.9	344.2	351.7
122.5°	*664.2*	665.0	665.7	686.1	683.8	689.9	679.3	665.7	626.5	627.2	591.7
125°	*1016.7*	1006.9	1006.9	997.8	996.3	982.0	1000.1	1011.4	981.2	929.9	874.0
127.5°	*972.9*	994.0	986.5	963.8	942.0	934.4	955.5	991.0	973.7	928.4	877.0
130°	*690.6*	695.9	694.4	718.5	724.6	717.0	724.6	698.9	702.7	713.3	686.1
132.5°	*578.9*	575.9	586.5	619.7	632.5	617.4	596.3	577.4	578.2	600.8	599.3
135°	*498.9*	496.6	504.2	505.7	520.0	508.0	489.1	489.1	493.6	498.9	496.6
137.5°	*450.6*	447.6	449.8	432.5	415.1	414.4	429.5	437.8	433.2	428.0	421.9
140°	*388.0*	389.5	385.7	371.3	363.8	365.3	375.1	388.0	384.2	372.9	363.8
142.5°	*308.7*	305.7	310.2	320.8	335.9	335.9	320.8	304.9	304.2	309.5	317.0
145°	*304.2*	302.7	303.4	301.2	304.2	301.2	296.6	292.1	286.8	283.0	280.0
147.5°	*329.8*	329.8	329.1	325.3	322.3	317.0	318.5	323.8	326.8	323.8	319.3
150°	*267.9*	270.2	270.2	269.5	266.4	268.7	271.7	273.2	276.2	276.2	271.7
152.5°	*206.1*	205.3	207.6	204.5	203.8	205.3	209.1	212.1	212.8	212.8	206.8
155°	*196.2*	194.7	196.2	194.7	193.2	194.7	197.7	199.3	200.8	198.5	192.5
157.5°	*183.4*	183.4	183.4	181.9	182.7	182.7	184.2	184.9	185.7	184.9	183.4
160°	*173.6*	173.6	174.4	173.6	173.6	175.1	174.4	173.6	173.6	172.8	172.1
162.5°	*167.6*	167.6	167.6	167.6	166.8	166.8	167.6	166.8	166.0	165.3	166.8
165°	*164.5*	163.8	163.8	163.8	164.5	163.8	163.8	163.8	163.0	165.3	168.3
167.5°	*170.6*	169.1	169.8	170.6	170.6	169.8	169.8	169.8	171.3	173.6	175.9
170°	*178.9*	178.1	178.1	178.9	178.9	178.1	178.1	178.1	178.9	179.6	180.4
172.5°	*185.7*	184.9	184.9	184.9	184.2	183.4	183.4	183.4	183.4	183.4	184.2
175°	*192.5*	192.5	192.5	192.5	191.7	191.0	191.0	191.0	191.0	191.0	191.0
177.5°	*200.0*	199.3	200.0	199.3	199.3	199.3	198.5	197.7	197.0	197.0	197.0
180°	*198.5*	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2.5°	77.0	76.2	71.7	67.9	64.9	61.9	57.4	53.6	50.6	49.8	49.8
5°	99.6	98.1	93.6	87.6	84.5	80.0	75.5	72.5	68.7	67.2	67.9
7.5°	137.4	138.1	139.6	142.7	141.1	128.3	114.0	111.0	114.0	118.5	120.8
10°	170.6	168.3	167.6	177.4	175.1	156.2	137.4	131.3	136.6	146.4	151.0
12.5°	197.7	193.2	192.5	194.0	184.9	164.5	148.7	141.9	144.9	152.5	151.7
15°	237.8	231.0	221.1	215.1	203.8	189.4	169.8	158.5	158.5	158.5	157.7
17.5°	261.2	253.6	234.7	217.4	203.0	192.5	179.6	169.1	157.7	156.2	155.5
20°	281.5	270.2	249.8	231.0	212.8	197.7	179.6	166.8	157.0	155.5	154.7
22.5°	298.9	288.3	266.4	243.8	221.1	203.8	184.2	170.6	160.8	157.7	157.0
25°	322.3	311.0	286.1	259.6	233.2	211.3	193.2	177.4	165.3	159.3	159.3
27.5°	345.7	332.9	304.9	277.8	249.1	221.9	201.5	185.7	170.6	162.3	161.5
30°	368.3	354.0	323.8	292.9	264.2	235.5	212.1	194.0	177.4	168.3	167.6
32.5°	400.0	383.4	347.9	309.5	280.8	249.8	223.4	202.3	184.9	175.9	174.4
35°	461.9	443.1	403.0	353.2	307.9	266.4	234.7	206.8	190.2	180.4	179.6
37.5°	576.6	554.8	498.9	437.8	375.9	313.2	255.1	212.8	194.0	184.9	183.4
40°	645.3	602.3	543.4	495.1	448.3	388.0	313.2	246.8	201.5	191.0	189.4
42.5°	734.4	689.9	604.6	512.5	452.9	405.3	352.5	309.5	244.5	206.8	200.0
45°	818.9	785.0	711.7	613.6	523.1	440.8	375.1	333.6	292.1	249.1	242.3
47.5°	960.8	911.0	814.4	714.0	621.9	529.8	452.1	371.3	317.8	292.1	290.6
50°	1324.6	1234.0	1094.4	974.4	800.8	659.7	567.6	459.7	391.0	351.0	338.1
52.5°	1794.8	1700.5	1541.2	1367.6	1175.2	993.3	812.9	658.2	546.5	476.3	478.5
55°	2495.3	2400.9	2166.9	1869.6	1605.4	1415.9	1222.7	1034.8	855.2	751.8	738.9
57.5°	3234.2	3149.7	2949.6	2586.6	2166.2	1816.0	1586.5	1453.7	1361.6	1249.1	1249.1
60°	3776.1	3635.7	3409.3	3043.2	2670.4	2210.0	1915.6	1725.4	1708.8	1689.2	1704.3
62°	*4053.1*	*3872.0*	*3548.9*	*3137.6*	*2791.1*	*2381.3*	*2095.2*	*1906.6*	*1873.3*	*1799.4*	*1800.9*
62.5°	4099.9	3899.9	3572.3	3137.6	2801.7	2396.4	2114.9	1930.7	1884.7	1794.1	1795.6
65°	4146.7	3905.9	3589.7	3087.0	2742.1	2344.3	2127.7	1887.7	1766.9	1615.2	1570.7
67.5°	3878.0	3631.2	3360.2	2870.4	2511.9	2127.7	1887.7	1646.9	1449.9	1295.9	1271.8
70°	3149.7	2955.7	2746.6	2372.2	2059.0	1748.0	1544.3	1326.9	1130.6	960.8	971.4
72.5°	2390.4	2209.2	2017.5	1779.7	1585.0	1375.9	1195.6	1020.4	857.4	751.8	771.4
75°	1851.5	1730.7	1594.8	1422.0	1274.1	1080.8	875.5	720.1	609.9	545.7	549.5
77.5°	1522.4	1397.1	1286.1	1127.6	987.2	789.5	591.7	458.9	394.7	366.1	358.5
80°	1170.6	1079.3	981.2	839.3	684.6	532.1	397.8	335.9	293.6	272.5	264.2
82.5°	817.4	760.8	678.5	575.9	486.8	431.0	372.9	320.8	277.0	257.4	248.3
85°	673.3	643.1	597.8	539.7	486.8	424.9	360.0	307.2	269.5	254.4	246.1
87.5°	655.9	635.5	584.2	522.3	458.9	395.5	329.8	280.8	256.6	246.8	239.3
90°	601.6	578.2	541.9	480.8	424.2	356.3	302.7	273.2	255.1	243.8	235.5
92.5°	524.6	511.7	478.5	434.7	395.5	351.7	313.2	286.8	267.9	254.4	246.1
95°	466.4	451.4	432.5	397.0	364.6	329.1	293.6	268.7	249.1	234.7	227.9
97.5°	383.4	372.9	354.7	331.3	307.2	278.5	253.6	237.0	224.2	217.4	212.8
100°	347.9	341.2	330.6	314.0	294.4	274.0	255.9	246.8	241.5	237.0	234.7
102.5°	322.3	314.7	306.4	289.1	274.0	255.9	243.8	236.2	229.5	221.9	220.4
105°	299.6	293.6	282.3	267.9	252.8	235.5	221.1	216.6	210.6	203.8	203.0
107.5°	282.3	276.2	266.4	251.3	237.8	222.7	209.8	203.0	196.2	192.5	191.7

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

Scaled Data Report

REPORT NUMBER: P1046373
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	280.8	276.2	265.7	252.8	242.3	227.2	212.8	210.6	203.0	194.0	193.2
112.5°	350.2	335.9	315.5	294.4	276.2	261.2	243.0	224.9	209.8	200.8	199.3
115°	406.1	391.7	366.8	335.9	307.2	274.7	243.8	221.1	212.8	210.6	213.6
117.5°	381.9	351.7	309.5	290.6	265.7	248.3	236.2	231.0	217.4	221.1	224.9
120°	366.8	346.4	309.5	306.4	295.1	275.5	247.6	241.5	234.0	227.9	227.2
122.5°	589.5	569.9	527.6	463.4	394.0	347.2	329.8	293.6	249.8	216.6	211.3
125°	835.5	803.8	720.8	649.9	557.8	458.9	369.8	293.6	234.0	202.3	198.5
127.5°	852.1	816.7	744.2	648.3	531.4	410.6	318.5	263.4	223.4	202.3	198.5
130°	664.2	641.6	588.0	498.1	417.4	345.7	293.6	249.1	212.8	197.0	194.7
132.5°	587.2	566.8	490.6	415.9	362.3	307.2	263.4	221.1	190.2	179.6	178.1
135°	485.3	462.7	412.1	366.1	326.8	282.3	238.5	202.3	180.4	175.1	174.4
137.5°	414.4	403.8	366.1	333.6	298.1	259.6	223.4	195.5	181.9	177.4	176.6
140°	357.8	355.5	332.1	303.4	267.9	227.2	199.3	182.7	177.4	175.1	174.4
142.5°	316.2	313.2	287.6	254.4	222.7	201.5	191.0	185.7	181.1	175.1	173.6
145°	274.0	268.7	252.8	238.5	228.7	221.9	212.1	195.5	178.1	169.1	168.3
147.5°	311.7	302.7	285.3	264.9	243.8	221.9	201.5	184.2	169.8	164.5	163.8
150°	261.9	261.2	249.8	234.0	218.1	198.5	183.4	172.1	166.0	165.3	165.3
152.5°	203.0	203.0	203.0	199.3	191.7	181.1	169.8	163.0	163.0	166.0	166.8
155°	191.0	191.7	192.5	191.0	184.9	175.1	165.3	162.3	163.0	166.0	166.8
157.5°	181.9	181.9	182.7	181.1	178.1	171.3	164.5	161.5	162.3	163.8	164.5
160°	171.3	171.3	172.1	172.1	169.1	166.8	163.8	161.5	161.5	162.3	163.0
162.5°	167.6	167.6	167.6	167.6	166.8	166.8	166.8	166.8	166.0	166.0	166.0
165°	169.1	169.1	166.8	166.0	167.6	169.8	173.6	174.4	170.6	169.8	169.8
167.5°	176.6	176.6	174.4	172.8	175.1	177.4	182.7	184.2	181.1	178.1	178.1
170°	181.1	181.1	181.1	181.9	182.7	184.9	187.9	189.4	188.7	187.9	187.9
172.5°	184.2	184.2	185.7	187.2	189.4	191.0	192.5	194.0	195.5	195.5	196.2
175°	190.2	191.0	192.5	193.2	194.7	196.2	197.7	199.3	200.0	200.0	200.0
177.5°	196.2	196.2	196.2	197.0	197.7	198.5	199.3	200.0	200.0	200.8	201.5
180°	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5

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

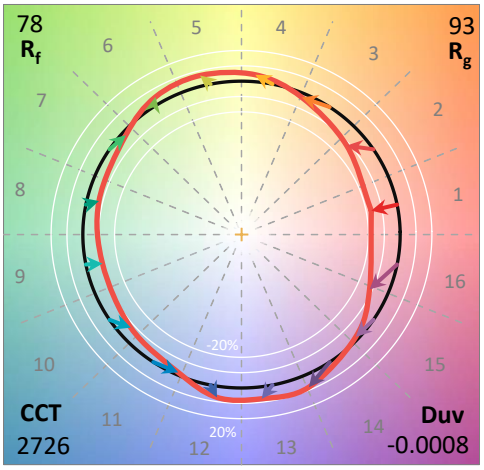
Test Information

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

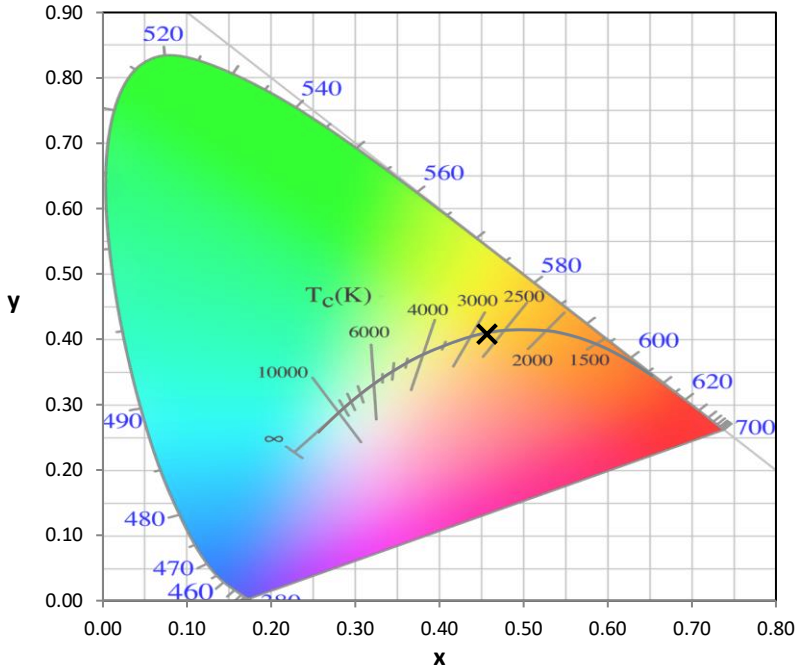
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

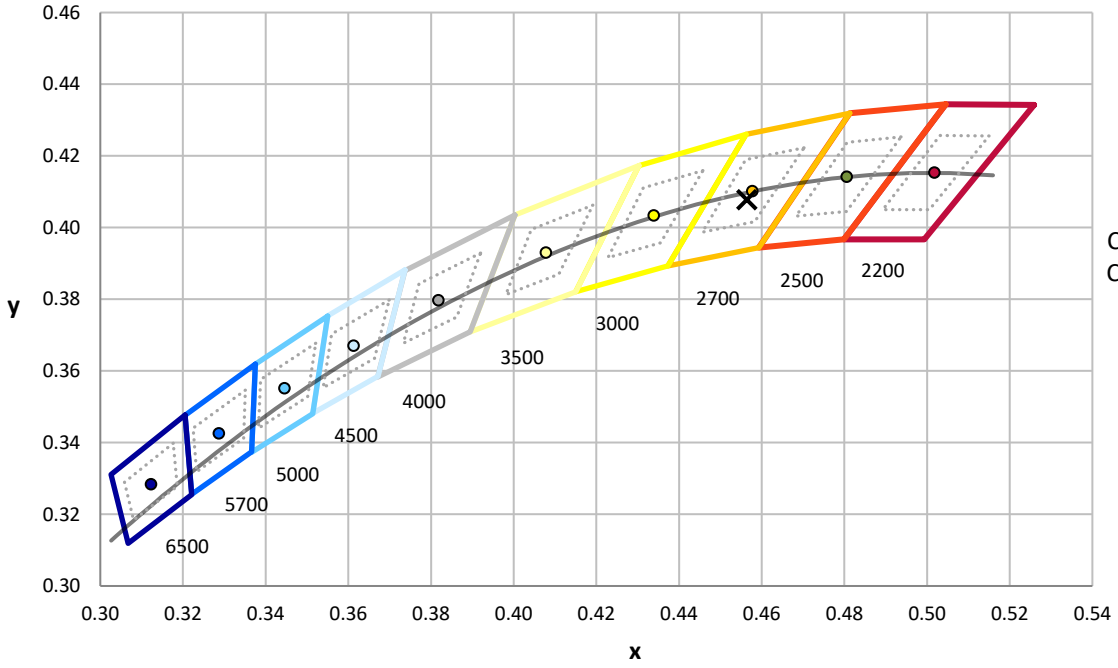
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

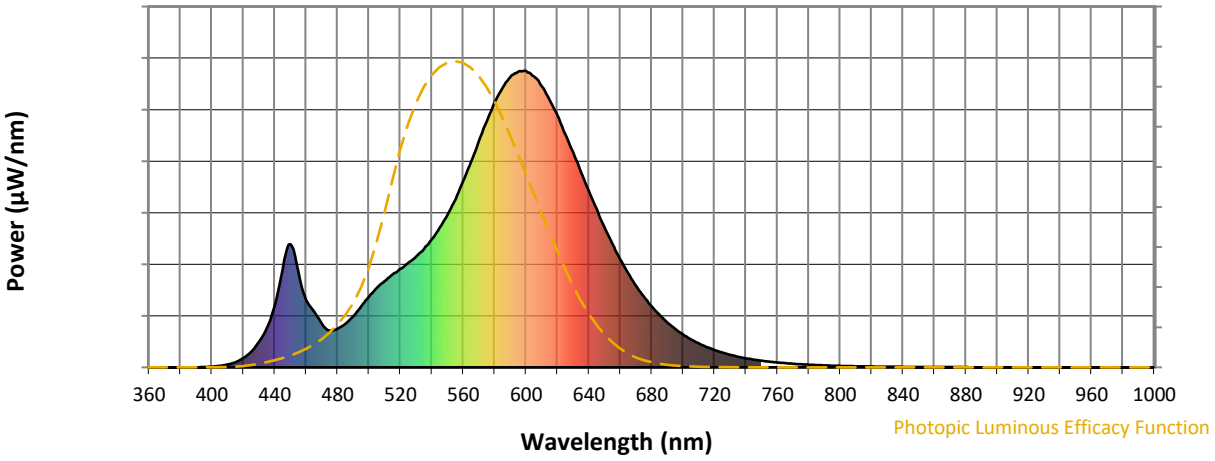


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

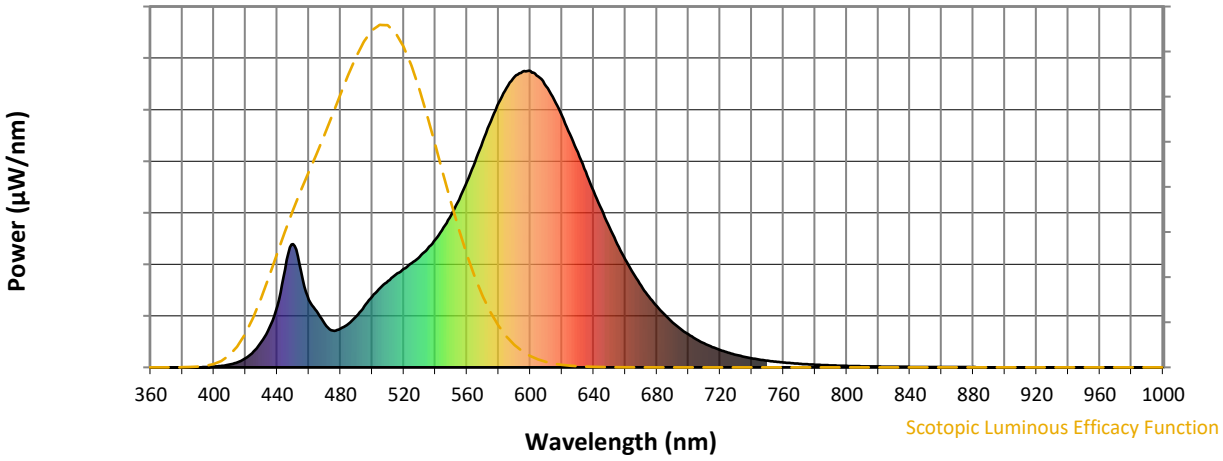


Photopic Lumens: NR

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

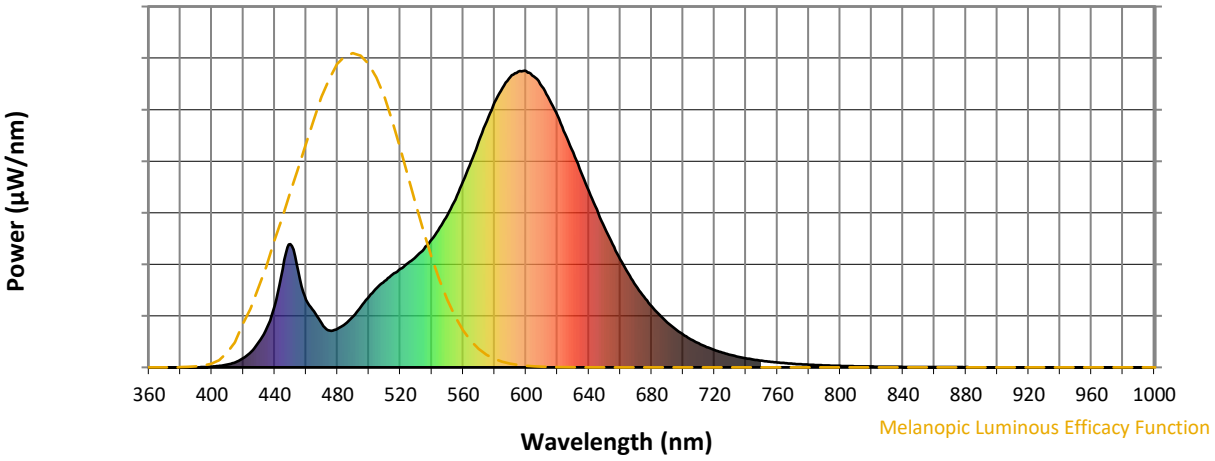


Scotopic Lumens: NR **S/P: 1.16**

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			

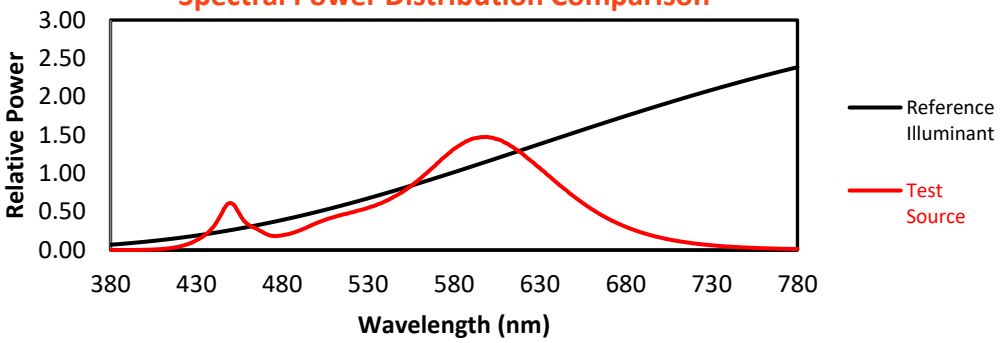
REPORT NUMBER: SP1-2501-332-3

TM-30-18

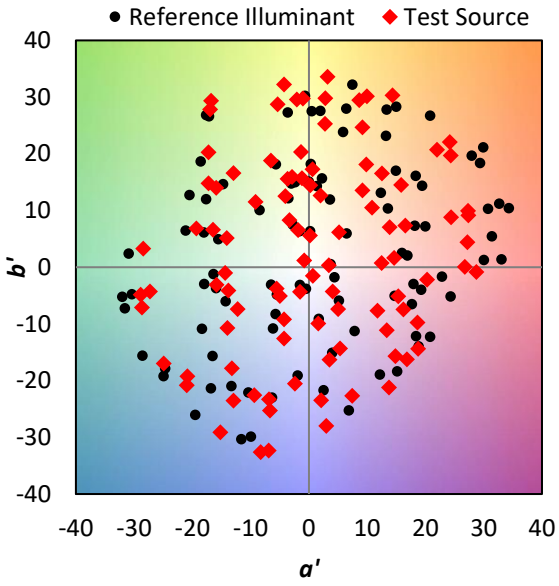
Summary

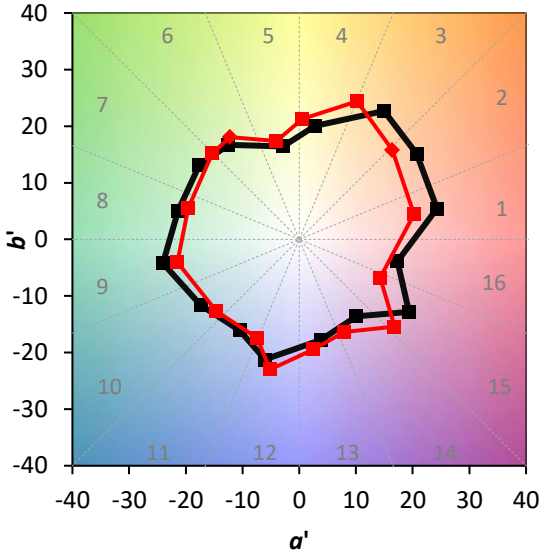
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

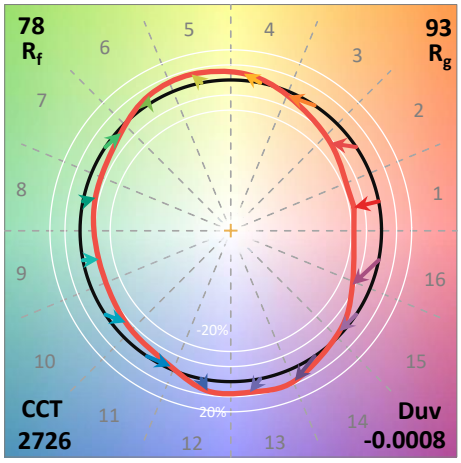
Spectral Power Distribution Comparison

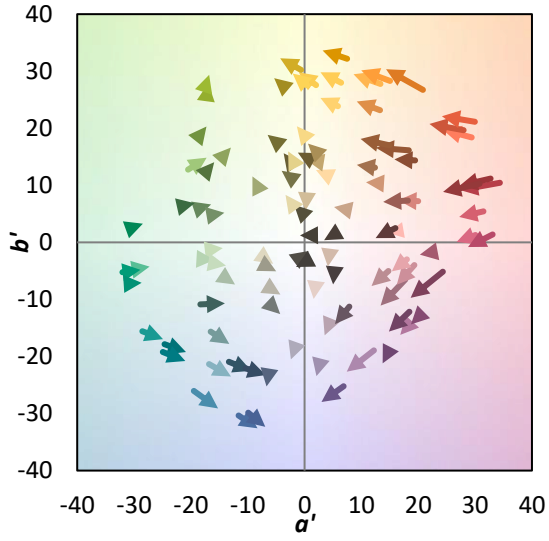


Color Vector Graphics







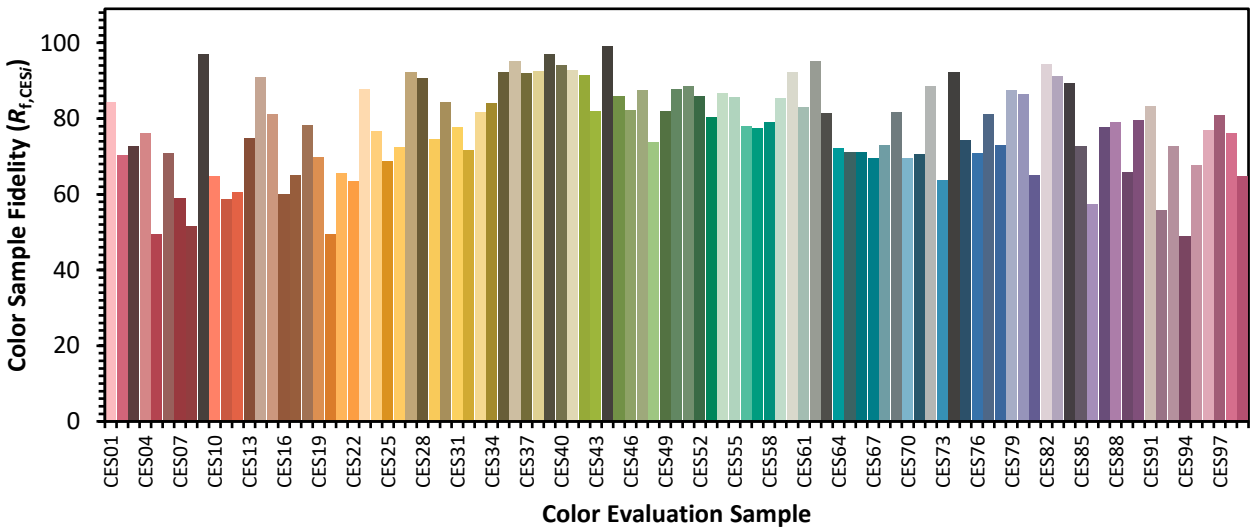


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

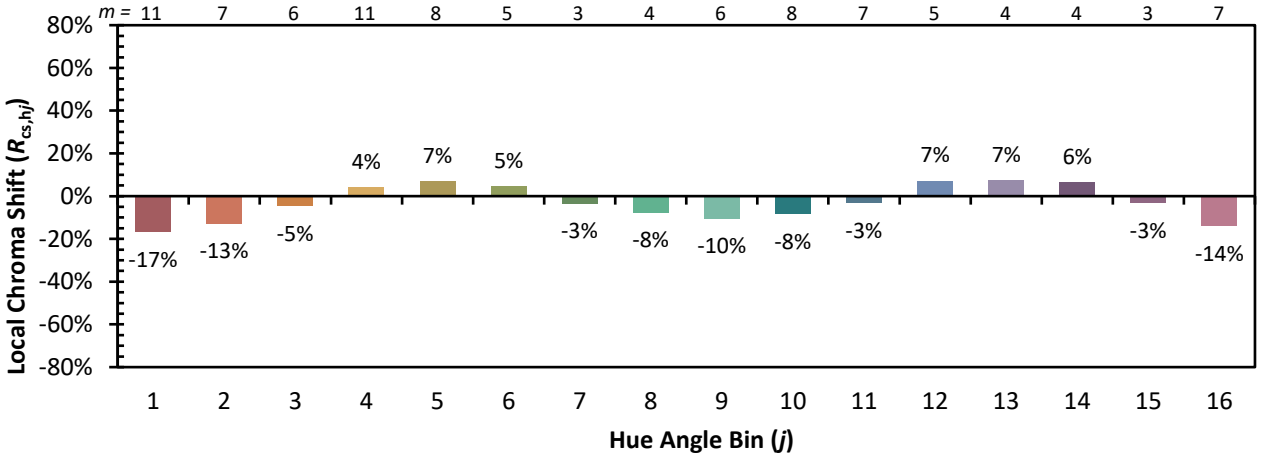
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 71
CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 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	

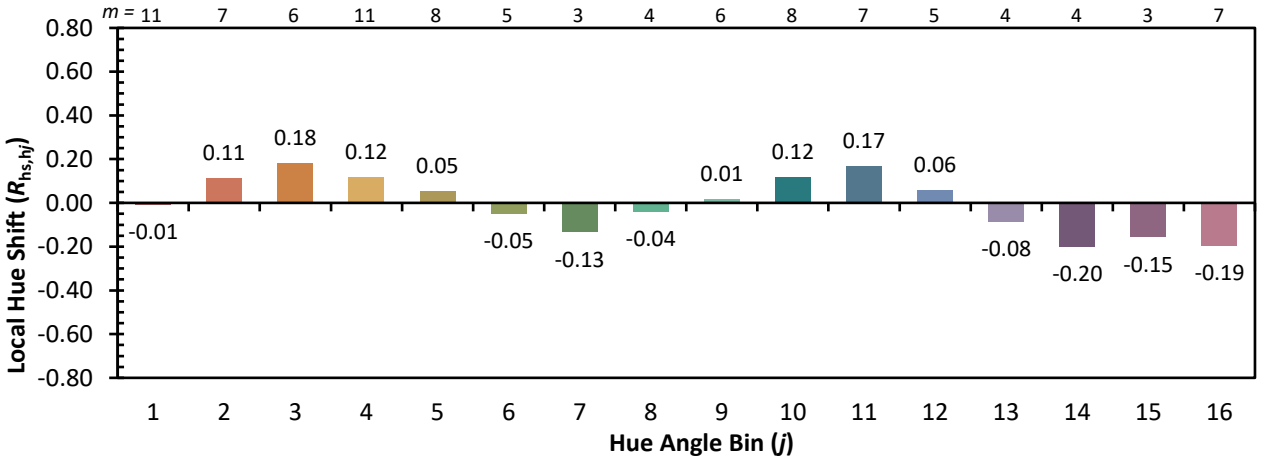


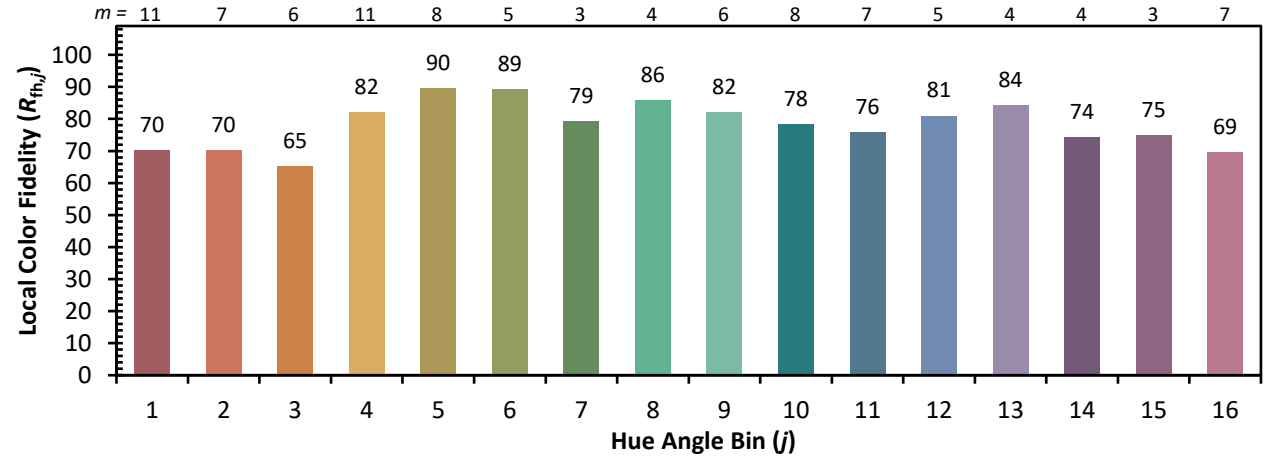
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Color Rendition by Hue-Angle Bin



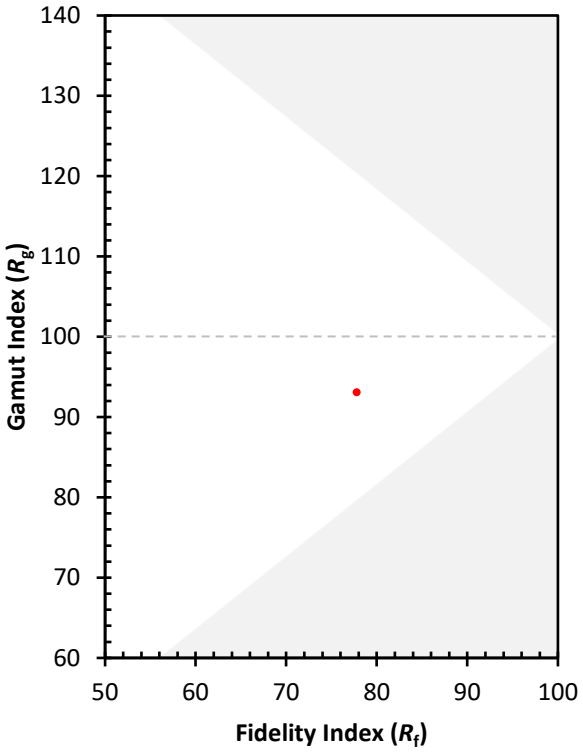


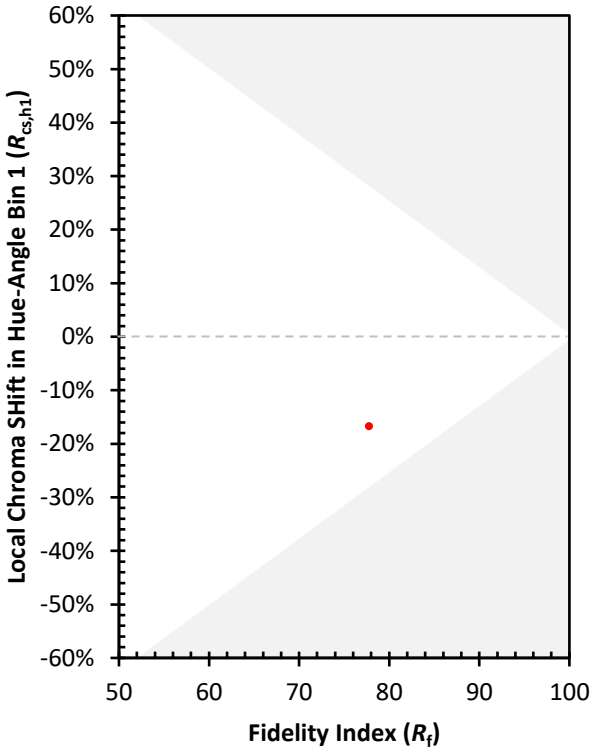


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Measure Comparisons





(END OF REPORT)