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: P1046381

Luminaire Tested: **FFX-CLB-90-730-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:	P1046381
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-90-730-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:	14122.8 lumens
Efficiency:	N/A
Efficacy:	155.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G4

Input Watts (W):	90.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	5.42%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

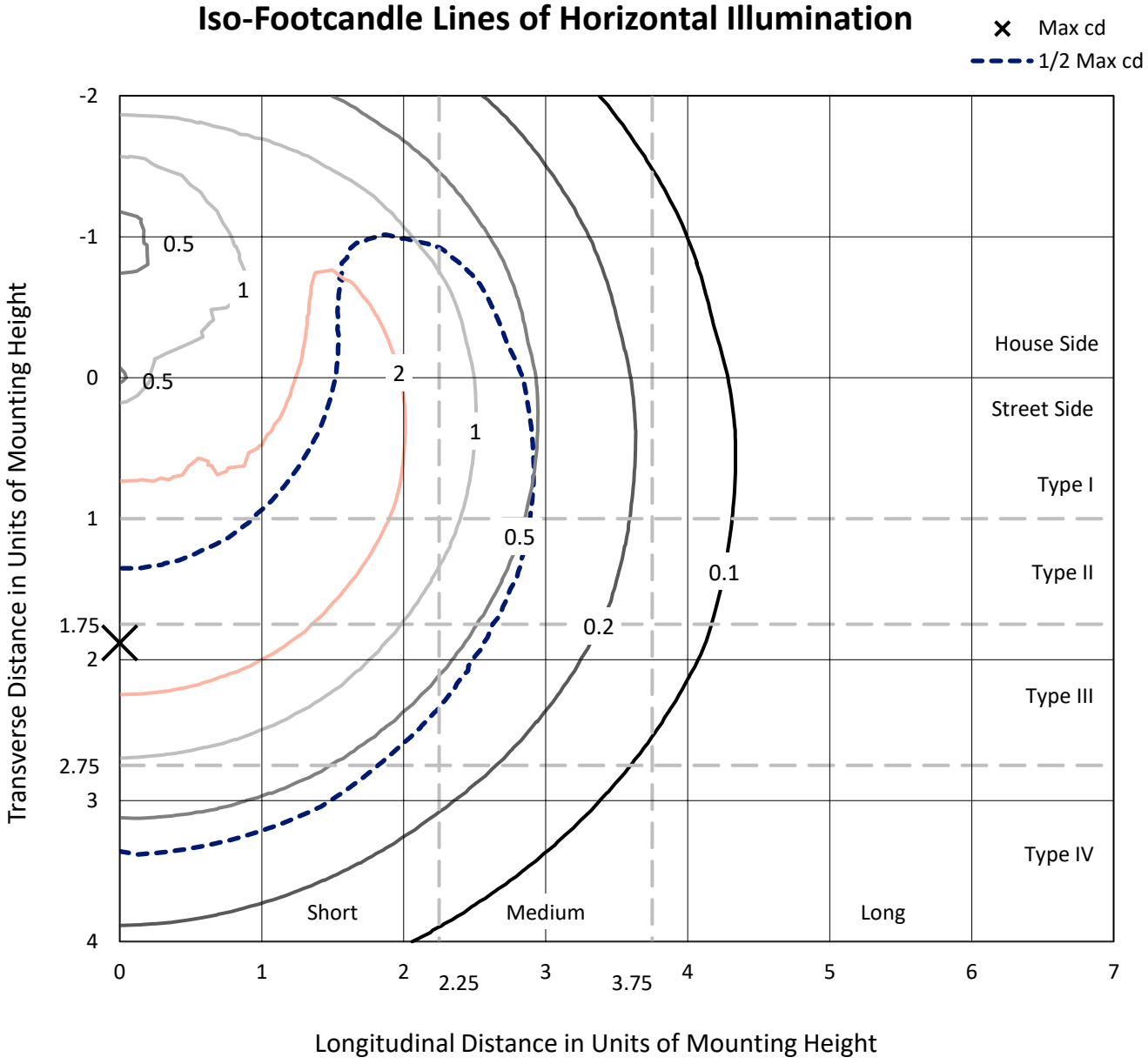


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Iso-Footcandle Lines of Horizontal Illumination



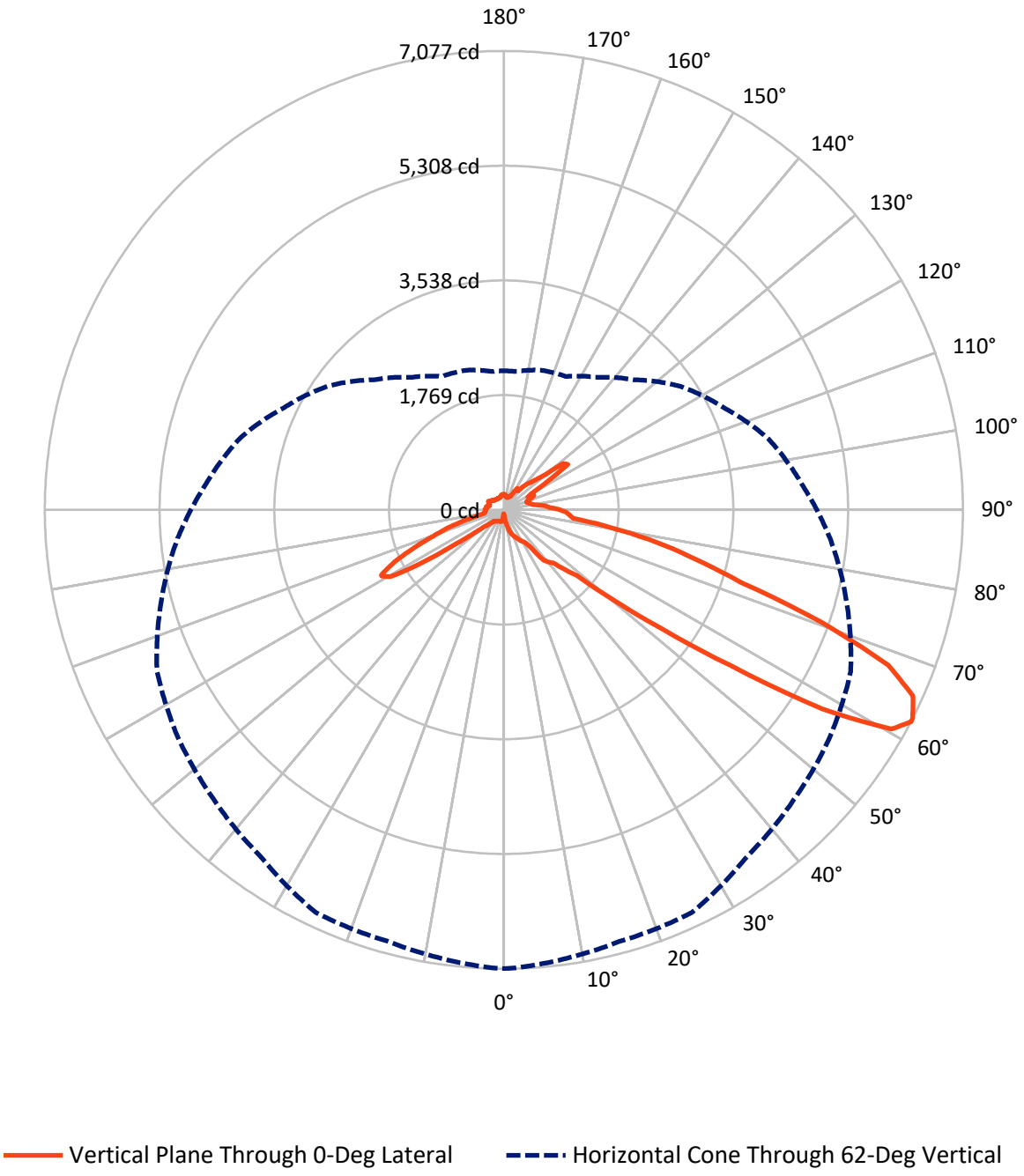
Based on 15 foot mounting height. Maximum calculated value = 4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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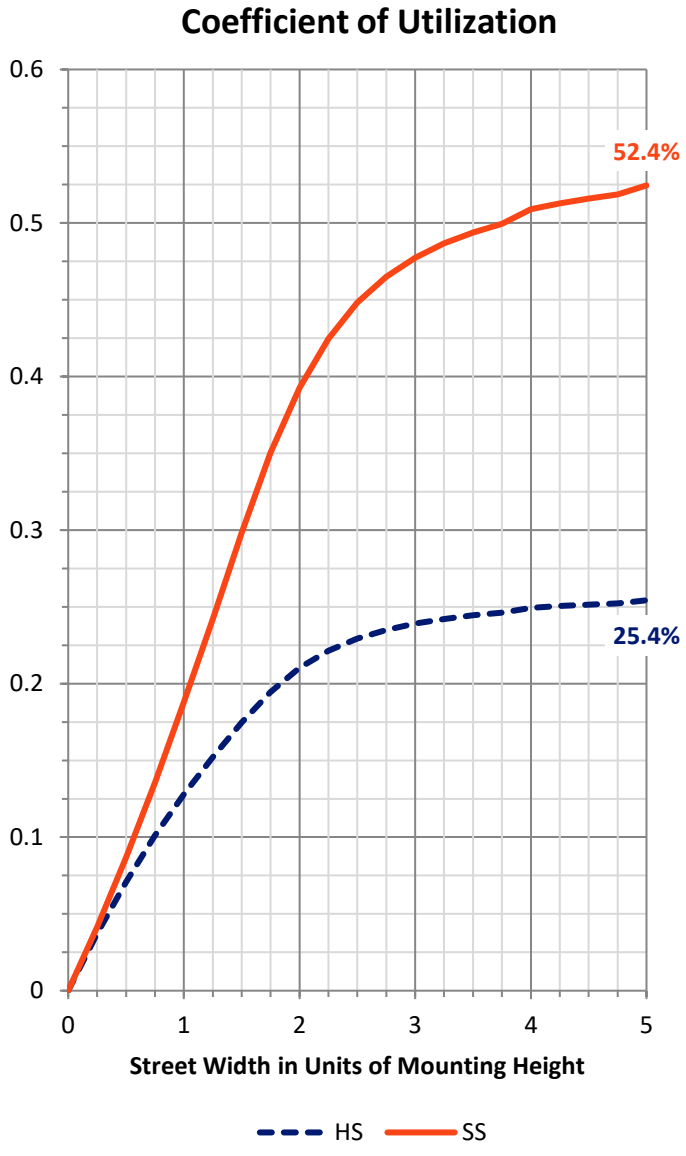
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3715.9	1061.7	4777.6
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	7714.4	1630.8	9345.2
	% Fixture	54.6	11.5	66.2
Total	Lumens	11430.3	2692.5	14122.8
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.1
10°-20°	78.4	0.6
20°-30°	169.6	1.2
30°-40°	339.6	2.4
40°-50°	743.8	5.3
50°-60°	2604.4	18.4
60°-70°	4358.6	30.9
70°-80°	2262.3	16.0
80°-90°	859.2	6.1
90°-100°	547.9	3.9
100°-110°	363.1	2.6
110°-120°	379.3	2.7
120°-130°	633.8	4.5
130°-140°	381.5	2.7
140°-150°	201.7	1.4
150°-160°	106.1	0.8
160°-170°	57.5	0.4
170°-180°	21.5	0.2
0°-90°	11430.3	80.9
0°-180°	14122.8	100.0



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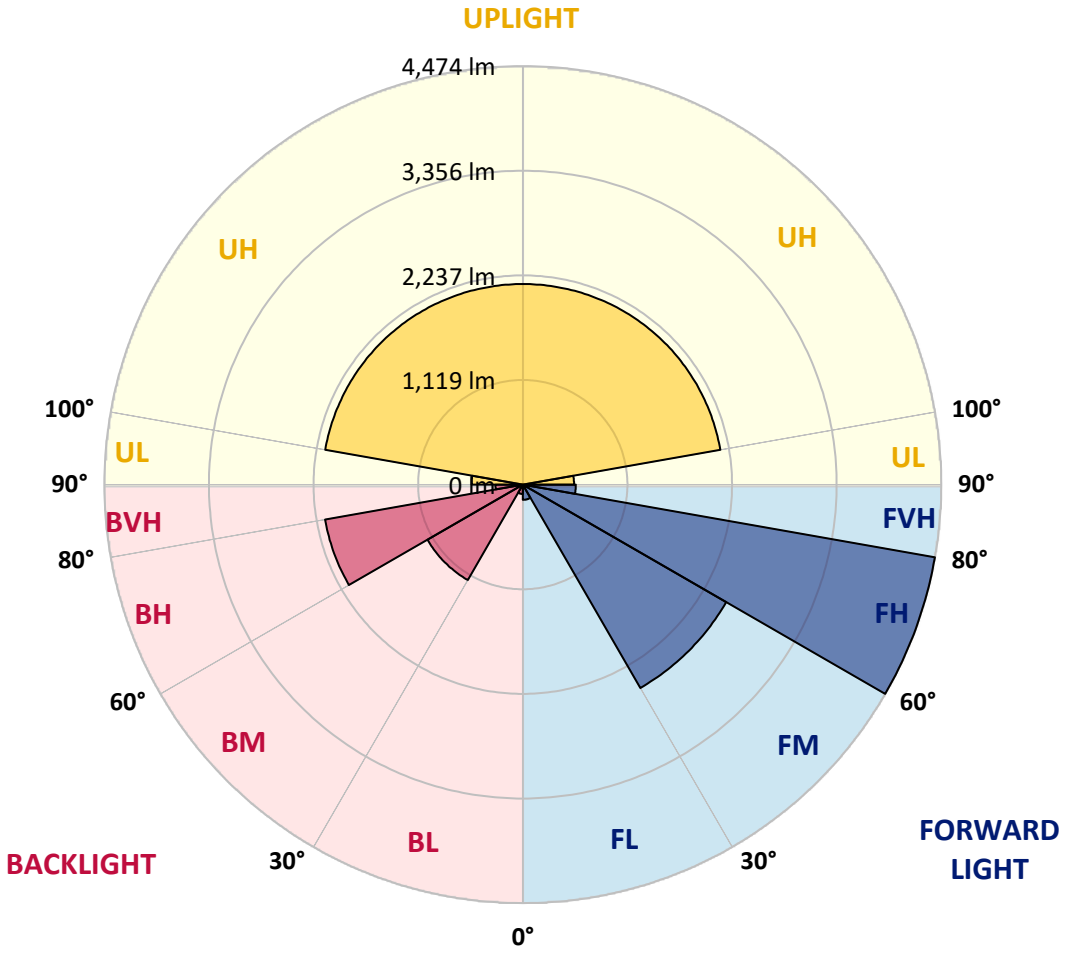
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	162.7	1.2			
FM	(30°-60°)	2510.9	17.8			
FH	(60°-80°)	4474.1	31.7			G2/5000
FVH	(80°-90°)	566.7	4.0			G4/750
BL	(0°-30°)	99.6	0.7	B0/110		
BM	(30°-60°)	1177.0	8.3	B2/2500		
BH	(60°-80°)	2146.9	15.2	B3/2500		G3/2500
BVH	(80°-90°)	292.5	2.1			G3/500
UL	(90°-100°)	547.9	3.9		U4/1000	
UH	(100°-180°)	2144.6	15.2		U5	

BUG Rating: B3-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*88.0*	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	*88.9*	87.1	87.1	90.7	95.2	95.2	96.1	93.4	93.4	92.5	93.4
5°	*129.4*	125.8	127.6	128.5	130.3	132.1	133.9	133.9	130.3	127.6	120.4
7.5°	*180.6*	179.7	181.5	180.6	178.8	183.3	186.0	192.3	194.1	182.4	168.0
10°	*232.7*	230.0	229.1	230.0	230.9	228.2	233.6	238.1	231.8	218.3	205.7
12.5°	*289.3*	289.3	289.3	288.4	288.4	287.5	285.7	284.8	278.5	263.2	243.5
15°	*352.2*	353.1	354.9	354.0	349.5	342.3	336.9	332.4	328.8	318.0	292.9
17.5°	*390.8*	389.0	390.8	389.9	388.1	383.6	373.7	364.8	353.1	337.8	318.9
20°	*426.7*	425.8	424.9	424.9	423.1	417.8	411.5	397.1	381.8	365.7	344.1
22.5°	*454.6*	452.8	454.6	453.7	452.8	451.0	440.2	427.6	410.6	392.6	370.1
25°	*490.5*	489.6	490.5	487.8	487.8	485.1	478.9	462.7	443.8	424.0	396.2
27.5°	*530.1*	527.4	530.1	529.2	525.6	518.4	513.0	495.0	471.7	452.8	427.6
30°	*563.3*	563.3	565.1	559.7	563.3	557.0	544.4	524.7	504.9	480.6	454.6
32.5°	*598.3*	598.3	596.5	595.6	600.1	592.1	577.7	554.3	538.1	513.0	490.5
35°	*696.3*	689.1	700.8	699.9	722.3	706.1	679.2	647.8	622.6	590.3	560.6
37.5°	*977.5*	973.9	968.5	934.3	894.8	901.1	905.6	870.6	839.1	780.7	711.5
40°	*1057.4*	1056.5	1055.6	1035.9	1046.6	1017.9	1003.5	985.6	980.2	903.8	811.3
42.5°	*1123.0*	1112.2	1123.0	1158.9	1215.5	1195.8	1123.0	1029.6	1012.5	939.7	902.0
45°	*1300.9*	1293.7	1311.7	1322.5	1304.5	1272.1	1292.8	1224.5	1177.8	1074.5	1005.3
47.5°	*1513.8*	1506.6	1523.7	1532.7	1569.5	1535.4	1519.2	1460.8	1382.6	1284.7	1194.9
50°	*2149.0*	2068.1	2133.7	2111.3	2120.2	2043.9	2074.4	1990.9	1920.8	1760.0	1597.4
52.5°	*3033.9*	3007.0	2962.0	2911.7	2950.4	2868.6	2893.8	2803.0	2676.4	2489.5	2249.6
55°	*4231.5*	4140.8	4169.5	4272.8	4251.3	4104.8	4079.7	3858.7	3631.4	3352.0	3099.5
57.5°	*5798.3*	5753.4	5701.3	5632.1	5564.7	5412.9	5338.3	5091.3	4738.2	4348.3	3997.0
60°	*6864.7*	6828.8	6805.4	6594.3	6470.3	6164.9	6095.7	5924.1	5609.7	5185.6	4701.4
62°	*7076.8*	*7071.4*	*7023.7*	*6892.6*	*6855.7*	*6532.3*	*6322.1*	*6130.7*	*5899.8*	*5469.5*	*5048.2*
62.5°	*7075.0*	7064.2	7036.3	6926.7	6889.0	6586.2	6358.0	6155.0	5925.0	5502.7	5088.6
65°	*6931.2*	6907.0	6894.4	6828.8	6811.7	6633.8	6331.1	6121.7	5928.6	5463.2	5118.2
67.5°	*6390.4*	6419.1	6420.9	6355.3	6298.7	6192.7	5903.4	5722.0	5589.0	5103.9	4778.6
70°	*5187.4*	5148.8	5109.2	5139.8	5114.6	5057.1	4827.1	4598.9	4432.7	4178.5	3870.3
72.5°	*3812.8*	3873.9	3873.0	3882.0	3886.5	3741.9	3639.4	3508.3	3418.4	3198.3	2978.2
75°	*3056.4*	3061.8	3044.7	2981.8	2914.4	2830.9	2848.9	2837.2	2794.0	2561.4	2343.0
77.5°	*2413.1*	2353.8	2378.1	2279.3	2192.1	2191.2	2226.3	2260.4	2279.3	2092.4	1923.5
80°	*1698.9*	1685.4	1663.9	1672.8	1601.0	1619.8	1636.9	1660.3	1623.4	1512.9	1434.8
82.5°	*1072.7*	1061.0	1043.9	1126.6	1195.8	1180.5	1125.7	1037.7	1017.0	1025.1	1007.1
85°	*1014.3*	1013.4	998.1	990.0	979.3	955.0	968.5	987.3	976.6	915.5	836.4
87.5°	*957.7*	955.0	943.3	938.8	918.2	915.5	928.1	935.2	939.7	884.9	818.4
90°	*839.1*	828.3	817.6	826.5	823.8	825.6	829.2	827.4	829.2	764.5	736.7
92.5°	*699.9*	697.2	689.1	693.6	699.9	725.0	714.2	697.2	694.5	668.4	641.5
95°	*638.8*	640.6	630.7	637.0	638.8	638.8	631.6	623.5	617.2	596.5	572.3
97.5°	*529.2*	521.1	517.5	522.0	523.8	517.5	513.0	499.5	498.6	478.0	466.3
100°	*450.1*	448.3	446.5	451.9	453.7	451.0	451.9	443.8	442.9	431.2	418.7
102.5°	*420.5*	419.6	418.7	423.1	424.9	423.1	420.5	412.4	414.2	401.6	392.6
105°	*397.1*	397.1	396.2	398.9	393.5	390.8	387.2	387.2	389.0	379.1	365.7
107.5°	*371.0*	370.1	371.0	370.1	363.9	361.2	360.3	357.6	363.9	358.5	344.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*375.5*	375.5	374.6	364.8	361.2	356.7	354.9	359.4	357.6	348.6	339.6
112.5°	*460.0*	454.6	458.2	444.7	438.4	442.0	443.8	447.4	454.6	440.2	426.7
115°	*513.9*	514.8	523.8	523.8	510.3	516.6	516.6	515.7	522.9	512.1	498.6
117.5°	*419.6*	424.9	453.7	435.7	440.2	443.8	421.4	413.3	411.5	414.2	442.9
120°	*483.3*	476.2	503.1	446.5	429.4	429.4	445.6	466.3	443.8	409.7	418.7
122.5°	*790.6*	791.5	792.4	816.7	814.0	821.1	808.6	792.4	745.7	746.6	704.4
125°	*1210.2*	1198.5	1198.5	1187.7	1185.9	1168.8	1190.4	1203.9	1167.9	1106.8	1040.4
127.5°	*1158.0*	1183.2	1174.2	1147.3	1121.2	1112.2	1137.4	1179.6	1158.9	1105.0	1043.9
130°	*822.0*	828.3	826.5	855.3	862.5	853.5	862.5	831.9	836.4	849.0	816.7
132.5°	*689.1*	685.5	698.1	737.6	752.9	734.9	709.7	687.3	688.2	715.1	713.3
135°	*593.8*	591.2	600.1	601.9	619.0	604.6	582.2	582.2	587.6	593.8	591.2
137.5°	*536.3*	532.8	535.5	514.8	494.1	493.2	511.2	521.1	515.7	509.4	502.2
140°	*461.8*	463.6	459.1	442.0	433.0	434.8	446.5	461.8	457.3	443.8	433.0
142.5°	*367.4*	363.9	369.2	381.8	399.8	399.8	381.8	363.0	362.1	368.3	377.3
145°	*362.1*	360.3	361.2	358.5	362.1	358.5	353.1	347.7	341.4	336.9	333.3
147.5°	*392.6*	392.6	391.7	387.2	383.6	377.3	379.1	385.4	389.0	385.4	380.0
150°	*318.9*	321.6	321.6	320.7	317.1	319.8	323.4	325.2	328.8	328.8	323.4
152.5°	*245.3*	244.4	247.1	243.5	242.6	244.4	248.9	252.5	253.4	253.4	246.2
155°	*233.6*	231.8	233.6	231.8	230.0	231.8	235.4	237.2	239.0	236.3	229.1
157.5°	*218.3*	218.3	218.3	216.5	217.4	217.4	219.2	220.1	221.0	220.1	218.3
160°	*206.6*	206.6	207.5	206.6	206.6	208.4	207.5	206.6	206.6	205.7	204.8
162.5°	*199.4*	199.4	199.4	199.4	198.5	198.5	199.4	198.5	197.6	196.8	198.5
165°	*195.9*	195.0	195.0	195.0	195.9	195.0	195.0	195.0	194.1	196.8	200.3
167.5°	*203.0*	201.2	202.1	203.0	203.0	202.1	202.1	202.1	203.9	206.6	209.3
170°	*212.9*	212.0	212.0	212.9	212.9	212.0	212.0	212.0	212.9	213.8	214.7
172.5°	*221.0*	220.1	220.1	220.1	219.2	218.3	218.3	218.3	218.3	218.3	219.2
175°	*229.1*	229.1	229.1	229.1	228.2	227.3	227.3	227.3	227.3	227.3	227.3
177.5°	*238.1*	237.2	238.1	237.2	237.2	237.2	236.3	235.4	234.5	234.5	234.5
180°	*236.3*	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	91.6	90.7	85.3	80.9	77.3	73.7	68.3	63.8	60.2	59.3	59.3
5°	118.6	116.8	111.4	104.2	100.6	95.2	89.8	86.2	81.8	80.0	80.9
7.5°	163.5	164.4	166.2	169.8	168.0	152.7	135.7	132.1	135.7	141.0	143.7
10°	203.0	200.3	199.4	211.1	208.4	186.0	163.5	156.3	162.6	174.3	179.7
12.5°	235.4	230.0	229.1	230.9	220.1	195.9	177.0	168.9	172.5	181.5	180.6
15°	283.0	274.9	263.2	256.0	242.6	225.5	202.1	188.7	188.7	188.7	187.8
17.5°	310.8	301.9	279.4	258.7	241.7	229.1	213.8	201.2	187.8	186.0	185.1
20°	335.1	321.6	297.4	274.9	253.4	235.4	213.8	198.5	186.9	185.1	184.2
22.5°	355.8	343.2	317.1	290.2	263.2	242.6	219.2	203.0	191.4	187.8	186.9
25°	383.6	370.1	340.5	309.1	277.6	251.6	230.0	211.1	196.8	189.6	189.6
27.5°	411.5	396.2	363.0	330.6	296.5	264.1	239.9	221.0	203.0	193.2	192.3
30°	438.4	421.4	385.4	348.6	314.4	280.3	252.5	230.9	211.1	200.3	199.4
32.5°	476.2	456.4	414.2	368.3	334.2	297.4	265.9	240.8	220.1	209.3	207.5
35°	549.8	527.4	479.7	420.5	366.6	317.1	279.4	246.2	226.4	214.7	213.8
37.5°	686.4	660.3	593.8	521.1	447.4	372.8	303.7	253.4	230.9	220.1	218.3
40°	768.1	716.9	646.9	589.4	533.7	461.8	372.8	293.8	239.9	227.3	225.5
42.5°	874.2	821.1	719.6	610.0	539.0	482.4	419.6	368.3	291.1	246.2	238.1
45°	974.8	934.3	847.2	730.4	622.6	524.7	446.5	397.1	347.7	296.5	288.4
47.5°	1143.7	1084.4	969.4	849.9	740.3	630.7	538.1	442.0	378.2	347.7	345.9
50°	1576.7	1468.9	1302.7	1159.8	953.2	785.2	675.6	547.1	465.4	417.8	402.5
52.5°	2136.4	2024.1	1834.5	1627.9	1398.8	1182.3	967.6	783.4	650.4	566.9	569.6
55°	2970.1	2857.8	2579.3	2225.4	1910.9	1685.4	1455.4	1231.7	1017.9	894.8	879.5
57.5°	3849.7	3749.1	3511.0	3078.8	2578.4	2161.6	1888.5	1730.3	1620.7	1486.9	1486.9
60°	4494.7	4327.6	4058.1	3622.4	3178.6	2630.5	2280.2	2053.8	2034.0	2010.6	2028.6
62°	*4824.4*	*4608.8*	*4224.3*	*3734.7*	*3322.3*	*2834.5*	*2494.0*	*2269.4*	*2229.8*	*2141.8*	*2143.6*
62.5°	4880.1	4642.1	4252.2	3734.7	3334.9	2852.4	2517.3	2298.1	2243.3	2135.5	2137.3
65°	4935.9	4649.3	4272.8	3674.5	3263.9	2790.5	2532.6	2246.9	2103.2	1922.6	1869.6
67.5°	4616.0	4322.2	3999.7	3416.6	2989.9	2532.6	2246.9	1960.3	1725.8	1542.6	1513.8
70°	3749.1	3518.2	3269.3	2823.7	2450.9	2080.7	1838.1	1579.4	1345.8	1143.7	1156.3
72.5°	2845.3	2629.6	2401.4	2118.4	1886.7	1637.8	1423.1	1214.6	1020.6	894.8	918.2
75°	2203.8	2060.0	1898.3	1692.6	1516.5	1286.5	1042.2	857.1	725.9	649.5	654.0
77.5°	1812.1	1663.0	1530.9	1342.2	1175.1	939.7	704.4	546.2	469.9	435.7	426.7
80°	1393.4	1284.7	1167.9	999.0	814.9	633.4	473.5	399.8	349.5	324.3	314.4
82.5°	973.0	905.6	807.7	685.5	579.5	513.0	443.8	381.8	329.7	306.4	295.6
85°	801.4	765.4	711.5	642.4	579.5	505.8	428.5	365.7	320.7	302.8	292.9
87.5°	780.7	756.5	695.4	621.7	546.2	470.8	392.6	334.2	305.5	293.8	284.8
90°	716.0	688.2	645.1	572.3	504.9	424.0	360.3	325.2	303.7	290.2	280.3
92.5°	624.4	609.1	569.6	517.5	470.8	418.7	372.8	341.4	318.9	302.8	292.9
95°	555.2	537.2	514.8	472.6	433.9	391.7	349.5	319.8	296.5	279.4	271.3
97.5°	456.4	443.8	422.3	394.4	365.7	331.5	301.9	282.1	266.8	258.7	253.4
100°	414.2	406.1	393.5	373.7	350.4	326.1	304.6	293.8	287.5	282.1	279.4
102.5°	383.6	374.6	364.8	344.1	326.1	304.6	290.2	281.2	273.1	264.1	262.3
105°	356.7	349.5	336.0	318.9	301.0	280.3	263.2	257.8	250.7	242.6	241.7
107.5°	336.0	328.8	317.1	299.2	283.0	265.0	249.8	241.7	233.6	229.1	228.2

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

Scaled Data Report

REPORT NUMBER: P1046381
CATALOG NUMBER: FFX-CLB-90-730-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	334.2	328.8	316.2	301.0	288.4	270.4	253.4	250.7	241.7	230.9	230.0
112.5°	416.9	399.8	375.5	350.4	328.8	310.8	289.3	267.7	249.8	239.0	237.2
115°	483.3	466.3	436.6	399.8	365.7	327.0	290.2	263.2	253.4	250.7	254.2
117.5°	454.6	418.7	368.3	345.9	316.2	295.6	281.2	274.9	258.7	263.2	267.7
120°	436.6	412.4	368.3	364.8	351.3	327.9	294.7	287.5	278.5	271.3	270.4
122.5°	701.7	678.3	628.0	551.6	469.0	413.3	392.6	349.5	297.4	257.8	251.6
125°	994.5	956.8	858.0	773.5	663.9	546.2	440.2	349.5	278.5	240.8	236.3
127.5°	1014.3	972.1	885.8	771.7	632.5	488.7	379.1	313.5	265.9	240.8	236.3
130°	790.6	763.6	699.9	592.9	496.8	411.5	349.5	296.5	253.4	234.5	231.8
132.5°	699.0	674.7	584.0	495.0	431.2	365.7	313.5	263.2	226.4	213.8	212.0
135°	577.7	550.7	490.5	435.7	389.0	336.0	283.9	240.8	214.7	208.4	207.5
137.5°	493.2	480.6	435.7	397.1	354.9	309.1	265.9	232.7	216.5	211.1	210.2
140°	425.8	423.1	395.3	361.2	318.9	270.4	237.2	217.4	211.1	208.4	207.5
142.5°	376.4	372.8	342.3	302.8	265.0	239.9	227.3	221.0	215.6	208.4	206.6
145°	326.1	319.8	301.0	283.9	272.2	264.1	252.5	232.7	212.0	201.2	200.3
147.5°	371.0	360.3	339.6	315.3	290.2	264.1	239.9	219.2	202.1	195.9	195.0
150°	311.7	310.8	297.4	278.5	259.6	236.3	218.3	204.8	197.6	196.8	196.8
152.5°	241.7	241.7	241.7	237.2	228.2	215.6	202.1	194.1	194.1	197.6	198.5
155°	227.3	228.2	229.1	227.3	220.1	208.4	196.8	193.2	194.1	197.6	198.5
157.5°	216.5	216.5	217.4	215.6	212.0	203.9	195.9	192.3	193.2	195.0	195.9
160°	203.9	203.9	204.8	204.8	201.2	198.5	195.0	192.3	192.3	193.2	194.1
162.5°	199.4	199.4	199.4	199.4	198.5	198.5	198.5	198.5	197.6	197.6	197.6
165°	201.2	201.2	198.5	197.6	199.4	202.1	206.6	207.5	203.0	202.1	202.1
167.5°	210.2	210.2	207.5	205.7	208.4	211.1	217.4	219.2	215.6	212.0	212.0
170°	215.6	215.6	215.6	216.5	217.4	220.1	223.7	225.5	224.6	223.7	223.7
172.5°	219.2	219.2	221.0	222.8	225.5	227.3	229.1	230.9	232.7	232.7	233.6
175°	226.4	227.3	229.1	230.0	231.8	233.6	235.4	237.2	238.1	238.1	238.1
177.5°	233.6	233.6	233.6	234.5	235.4	236.3	237.2	238.1	238.1	239.0	239.9
180°	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3	236.3

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: SP1-2501-332-4

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

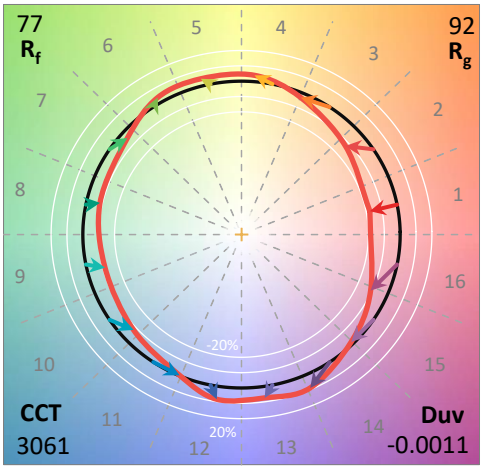
Test Information

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

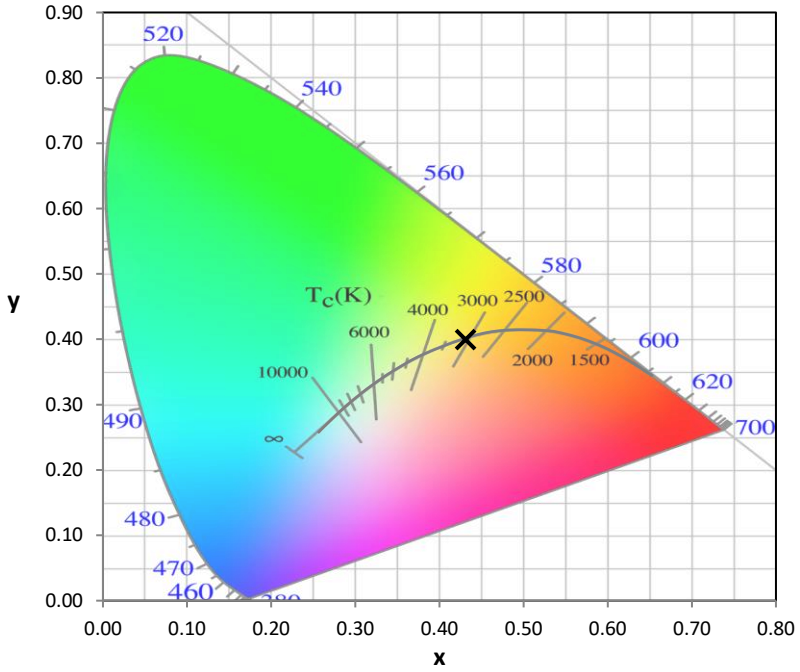
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

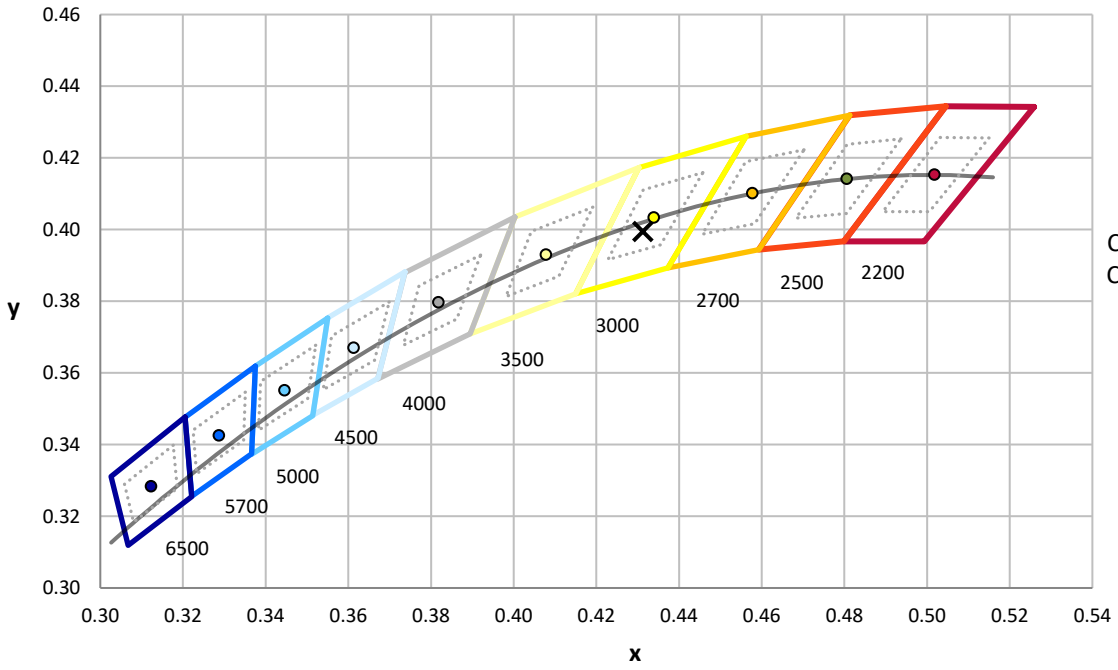
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

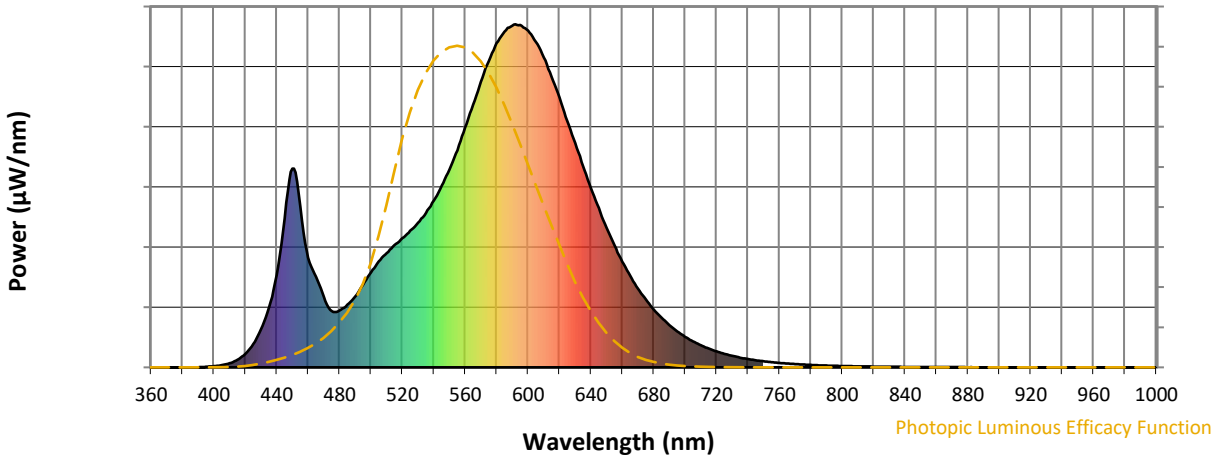


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

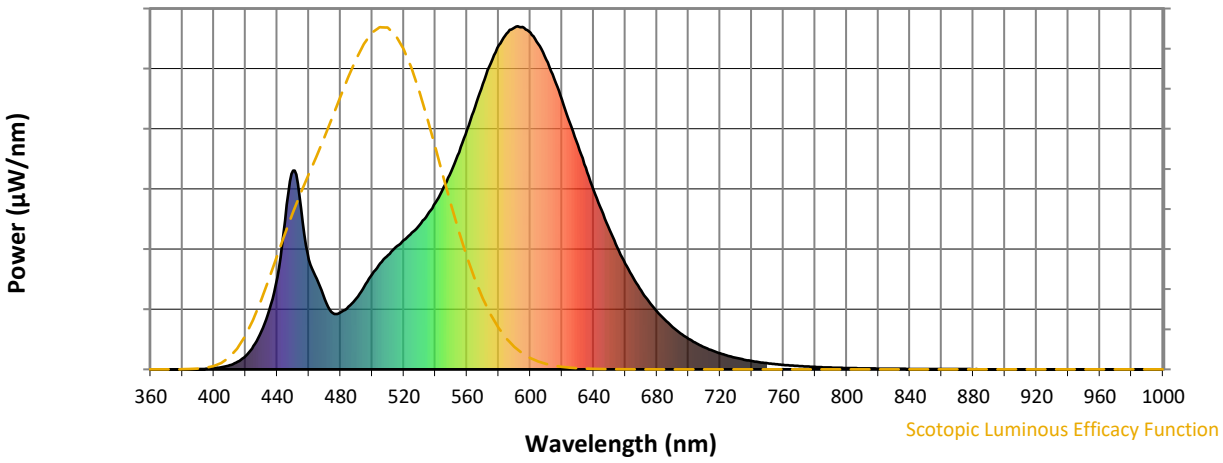


Photopic Lumens: NR

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

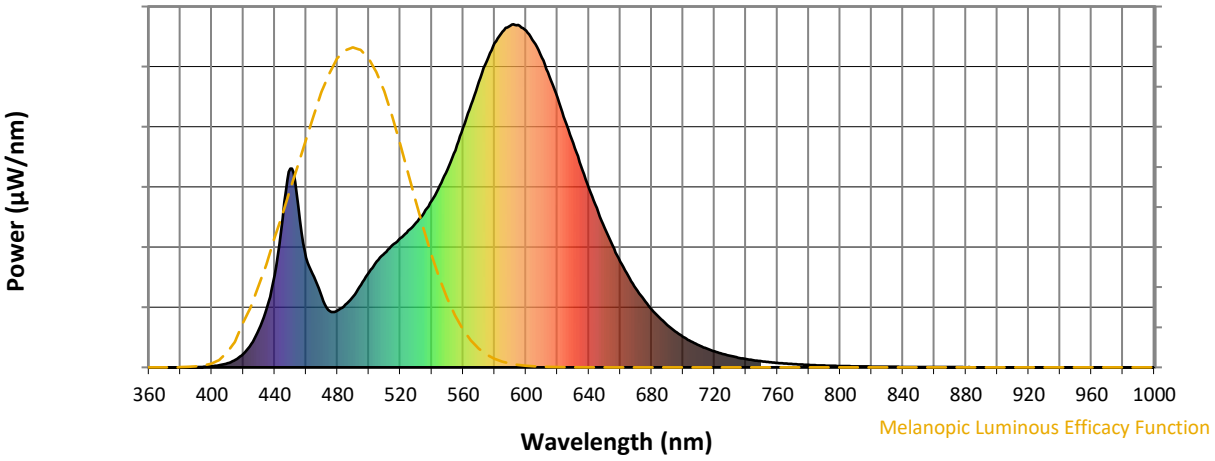


Scotopic Lumens: NR **S/P: 1.29**

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			

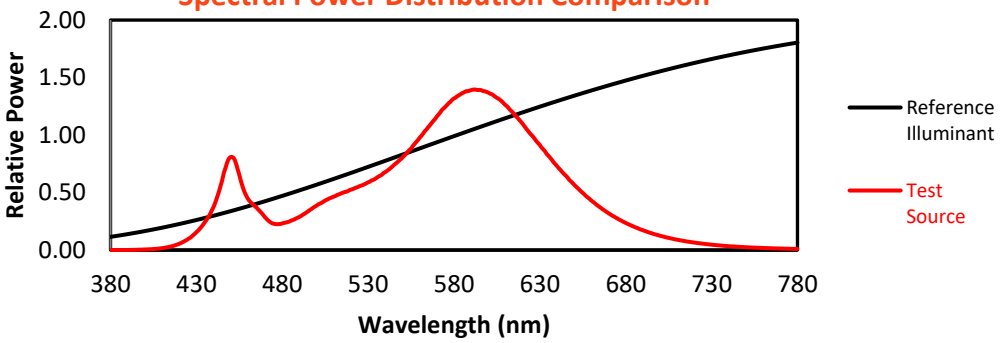
REPORT NUMBER: SP1-2501-332-4

TM-30-18

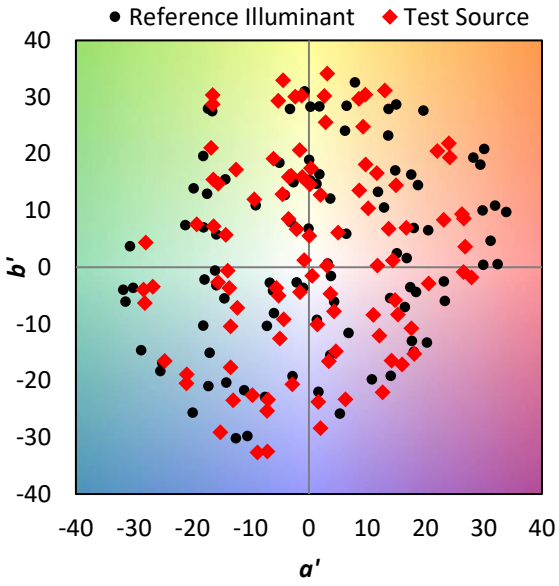
Summary

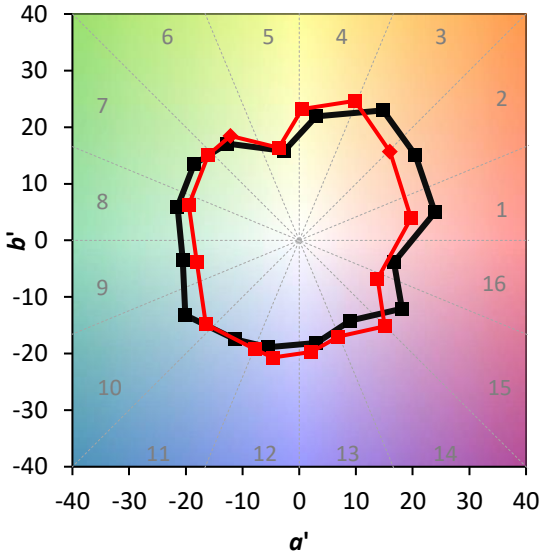
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

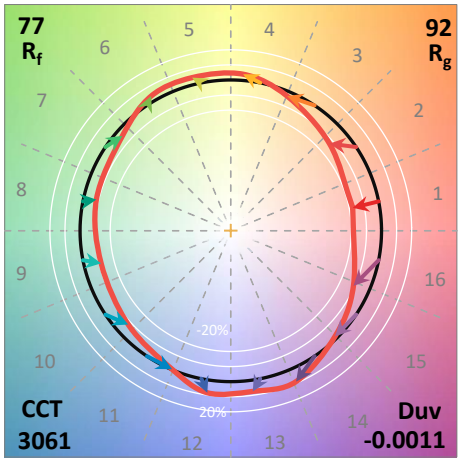
Spectral Power Distribution Comparison

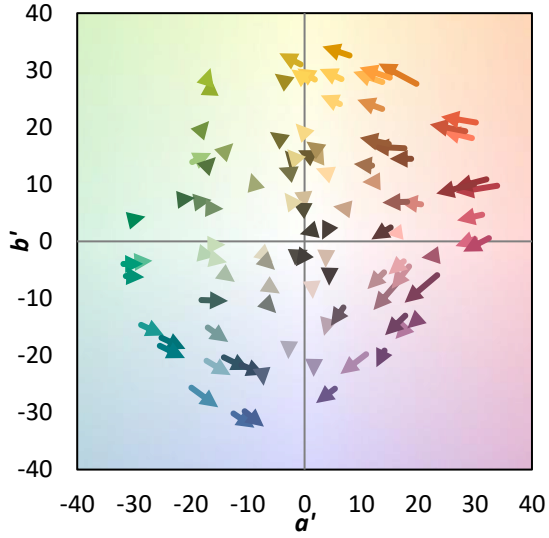


Color Vector Graphics







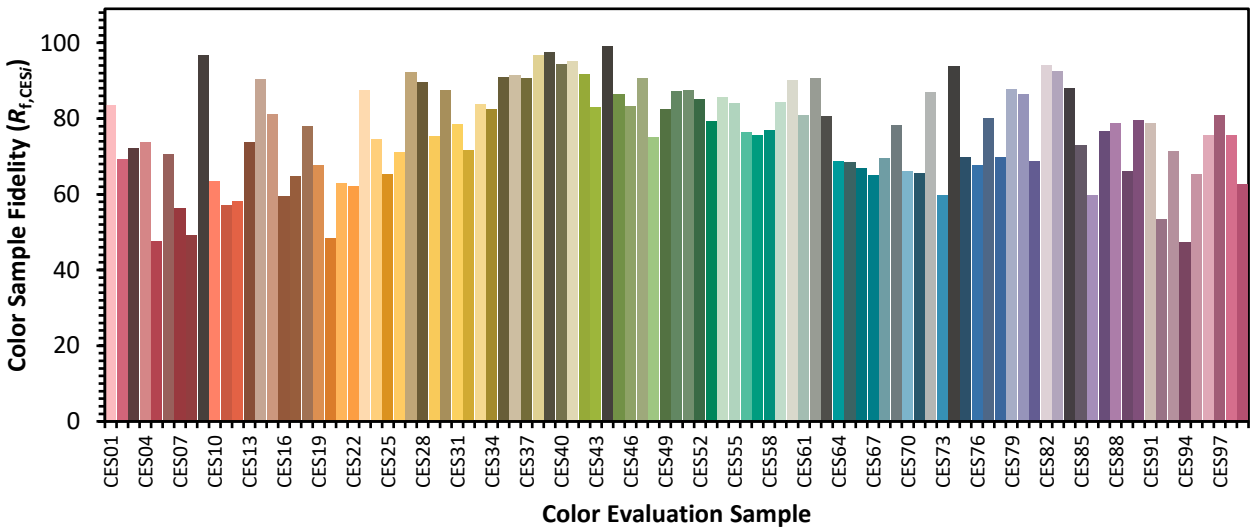


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

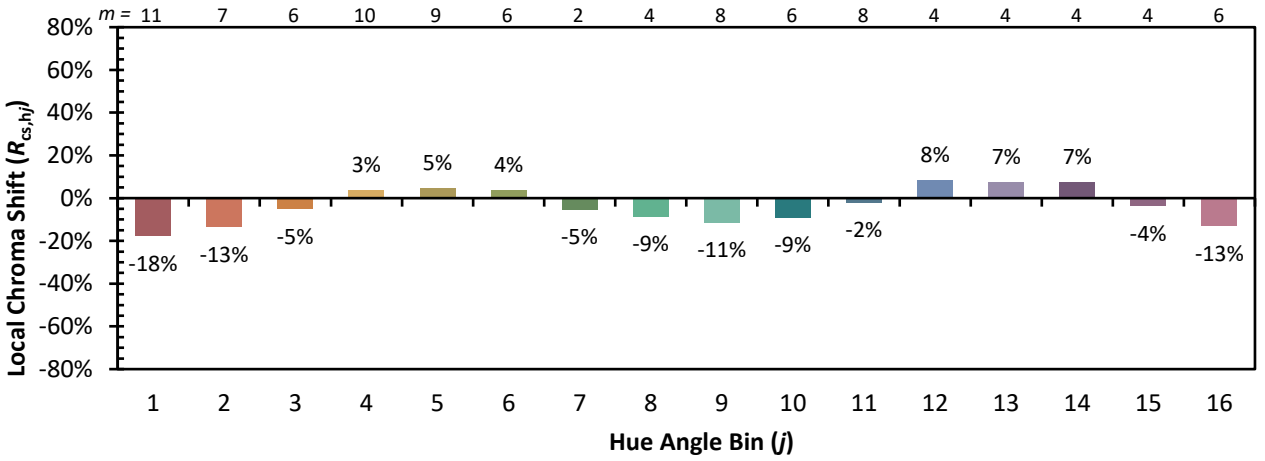
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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
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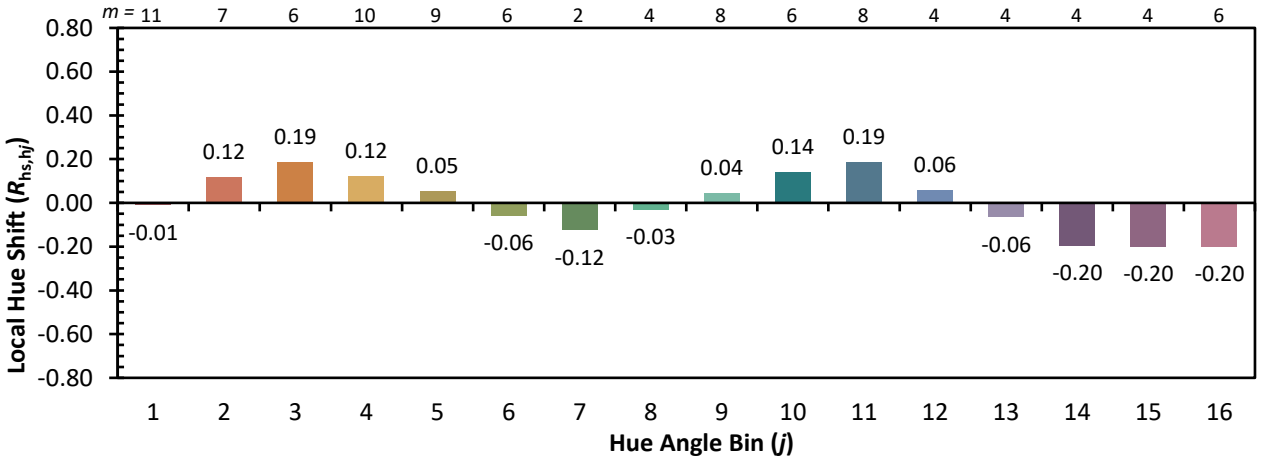


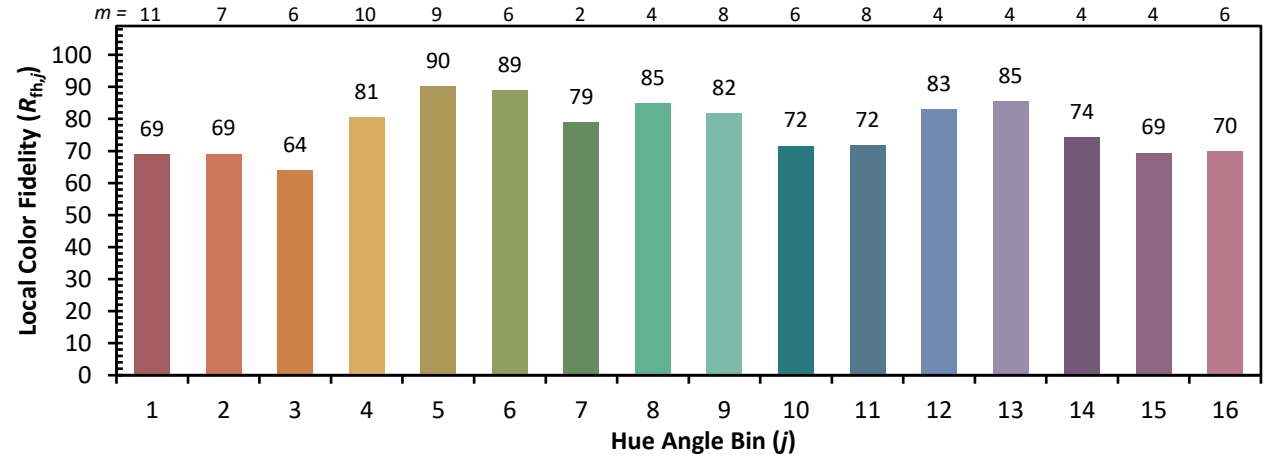
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Color Rendition by Hue-Angle Bin



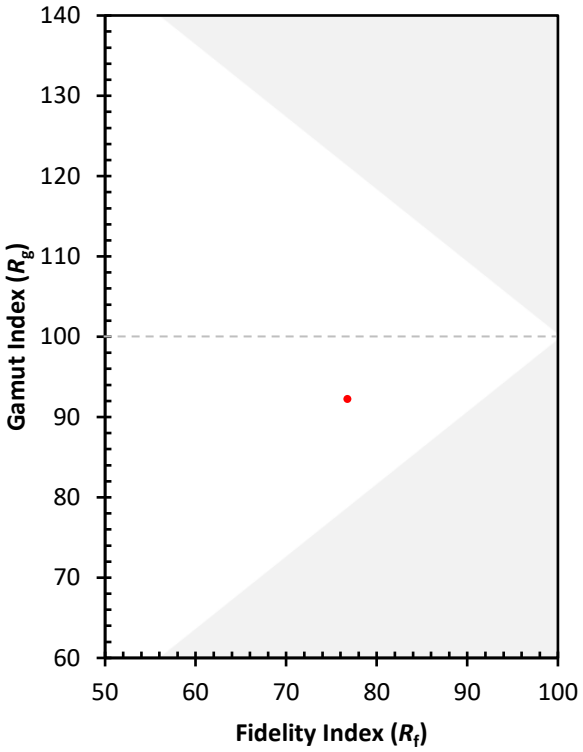


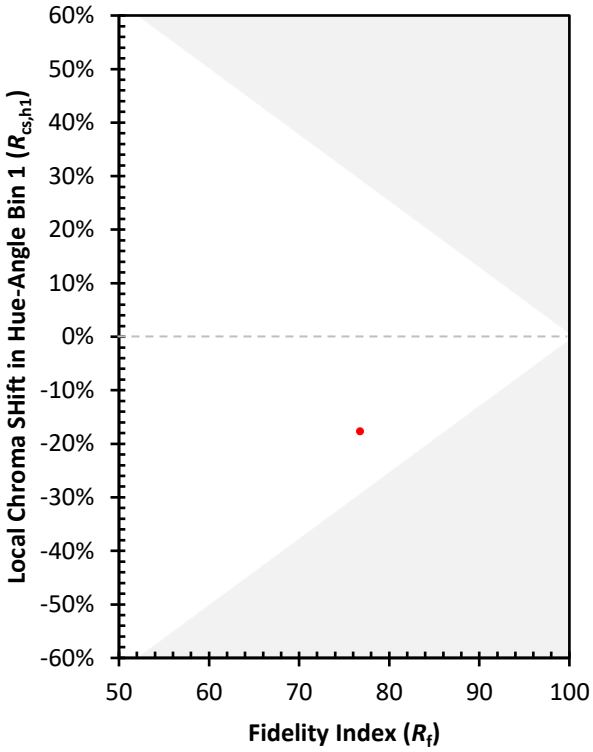


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Measure Comparisons





(END OF REPORT)