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: P1046374

Luminaire Tested: **FFX-CLB-70-727-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:	P1046374
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-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:	10433.1 lumens
Efficiency:	N/A
Efficacy:	146.5 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

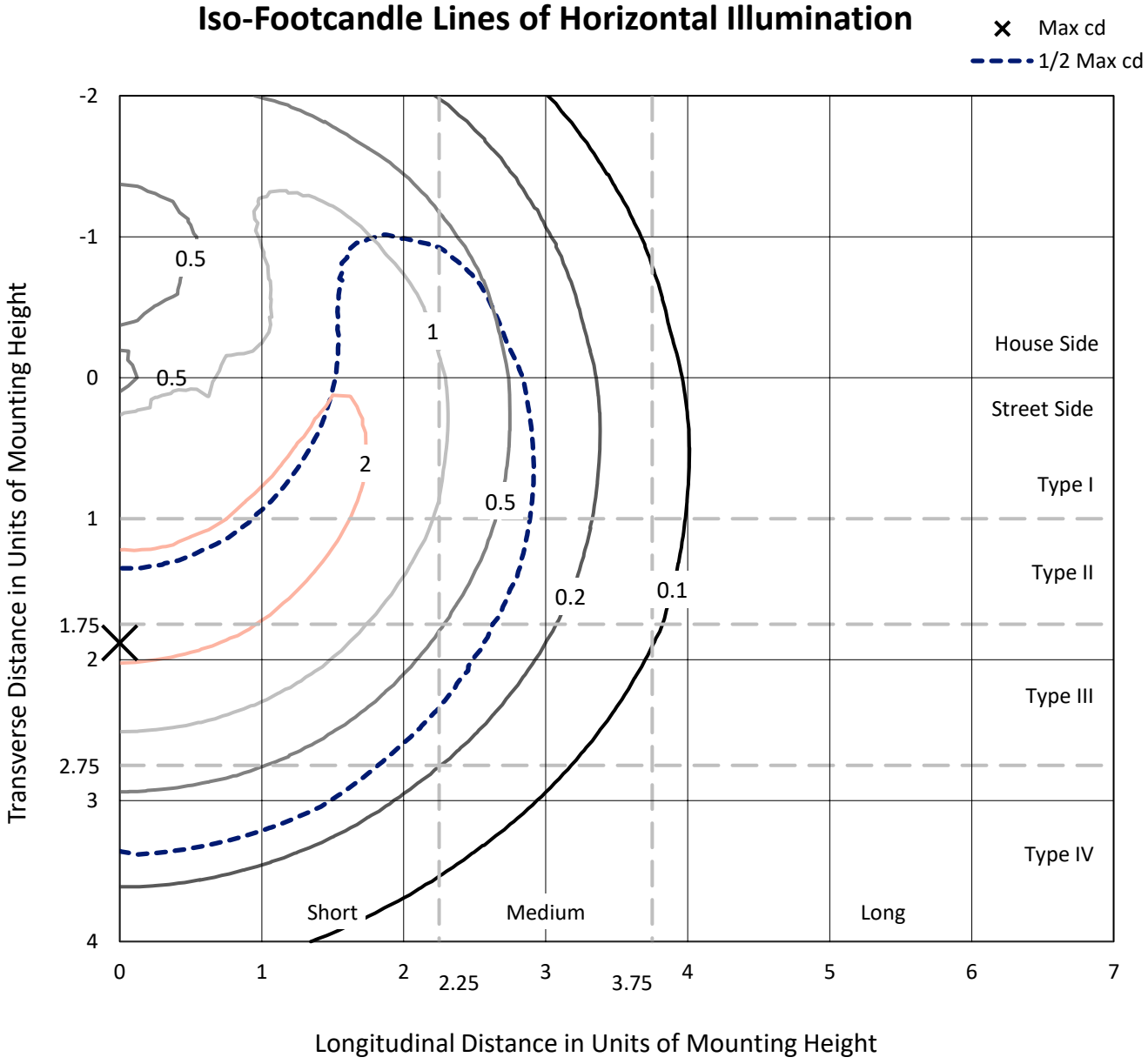


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CATALOG NUMBER: FFX-CLB-70-727-U-FR-T4

Iso-Footcandle Lines of Horizontal Illumination



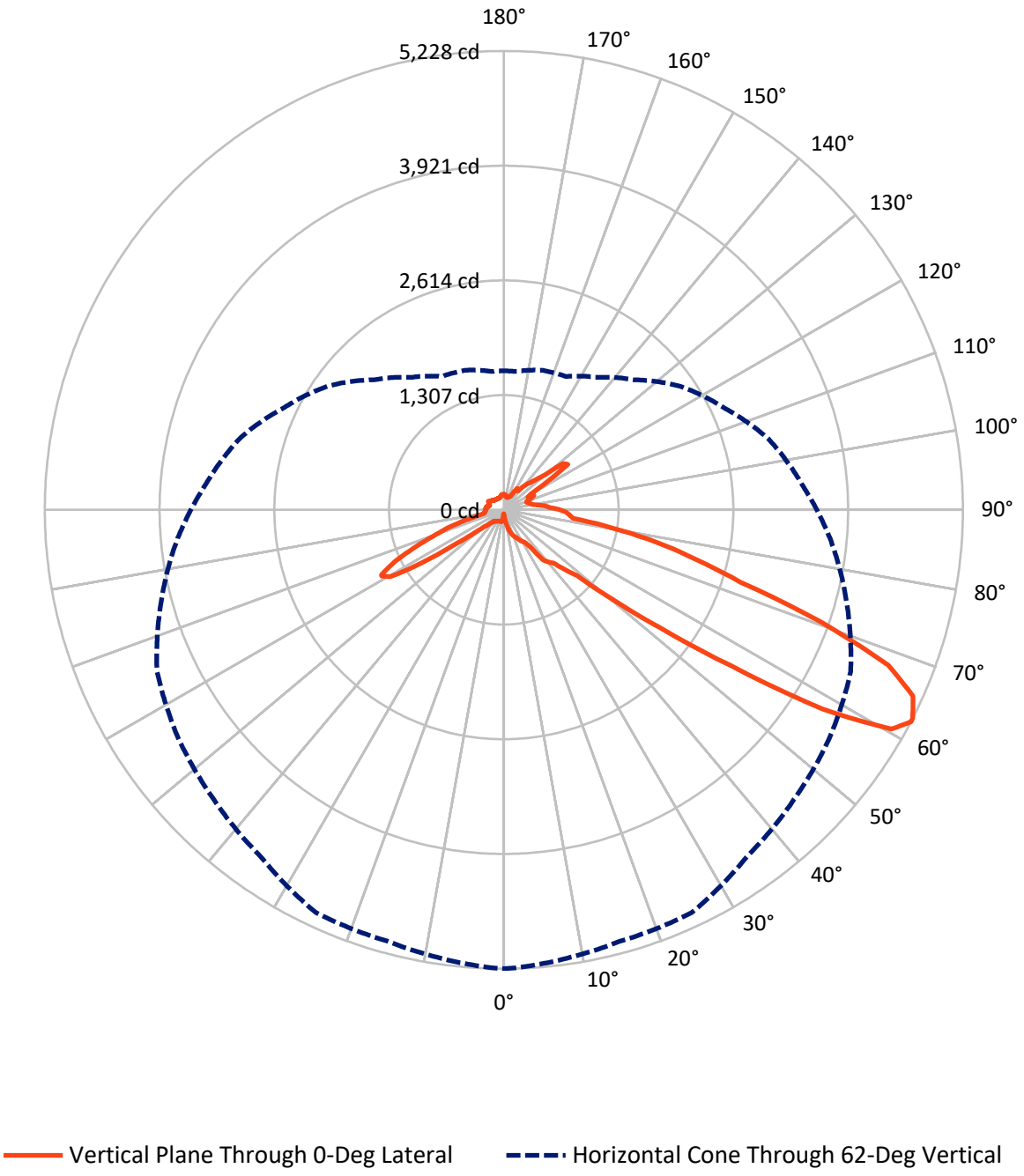
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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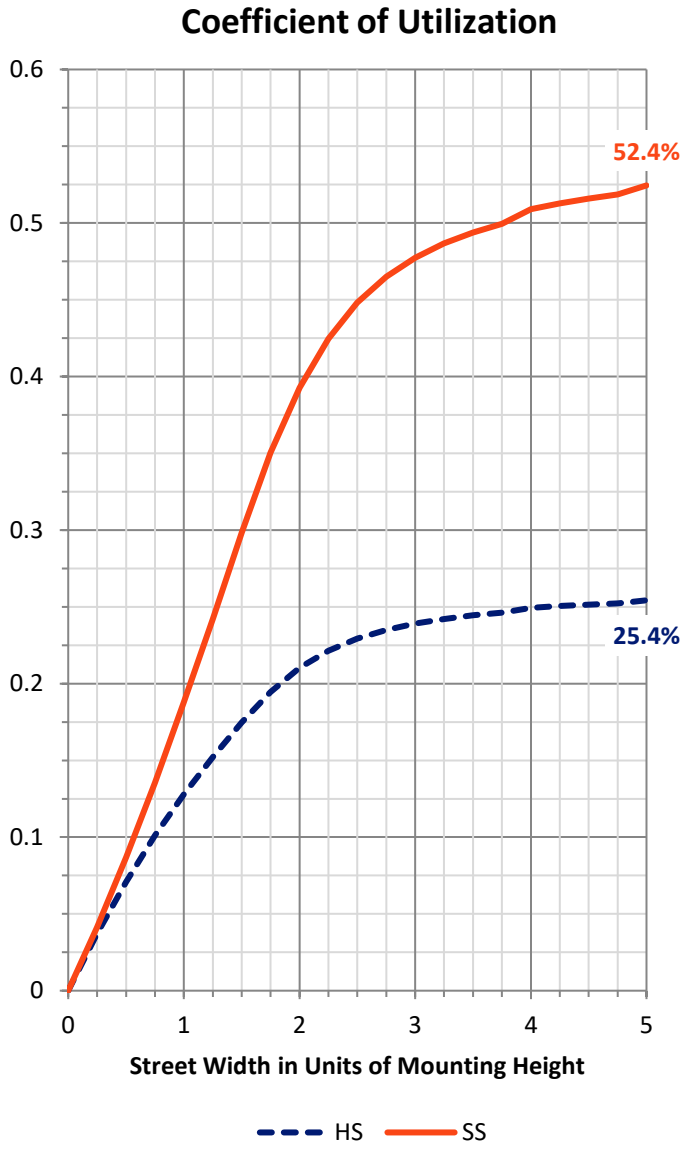
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.1	784.3	3529.4
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	5699.0	1204.7	6903.7
	% Fixture	54.6	11.5	66.2
Total	Lumens	8444.0	1989.1	10433.1
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	57.9	0.6
20°-30°	125.3	1.2
30°-40°	250.9	2.4
40°-50°	549.5	5.3
50°-60°	1924.0	18.4
60°-70°	3219.9	30.9
70°-80°	1671.3	16.0
80°-90°	634.7	6.1
90°-100°	404.8	3.9
100°-110°	268.3	2.6
110°-120°	280.2	2.7
120°-130°	468.2	4.5
130°-140°	281.8	2.7
140°-150°	149.0	1.4
150°-160°	78.4	0.8
160°-170°	42.5	0.4
170°-180°	15.9	0.2
0°-90°	8444.0	80.9
0°-180°	10433.1	100.0



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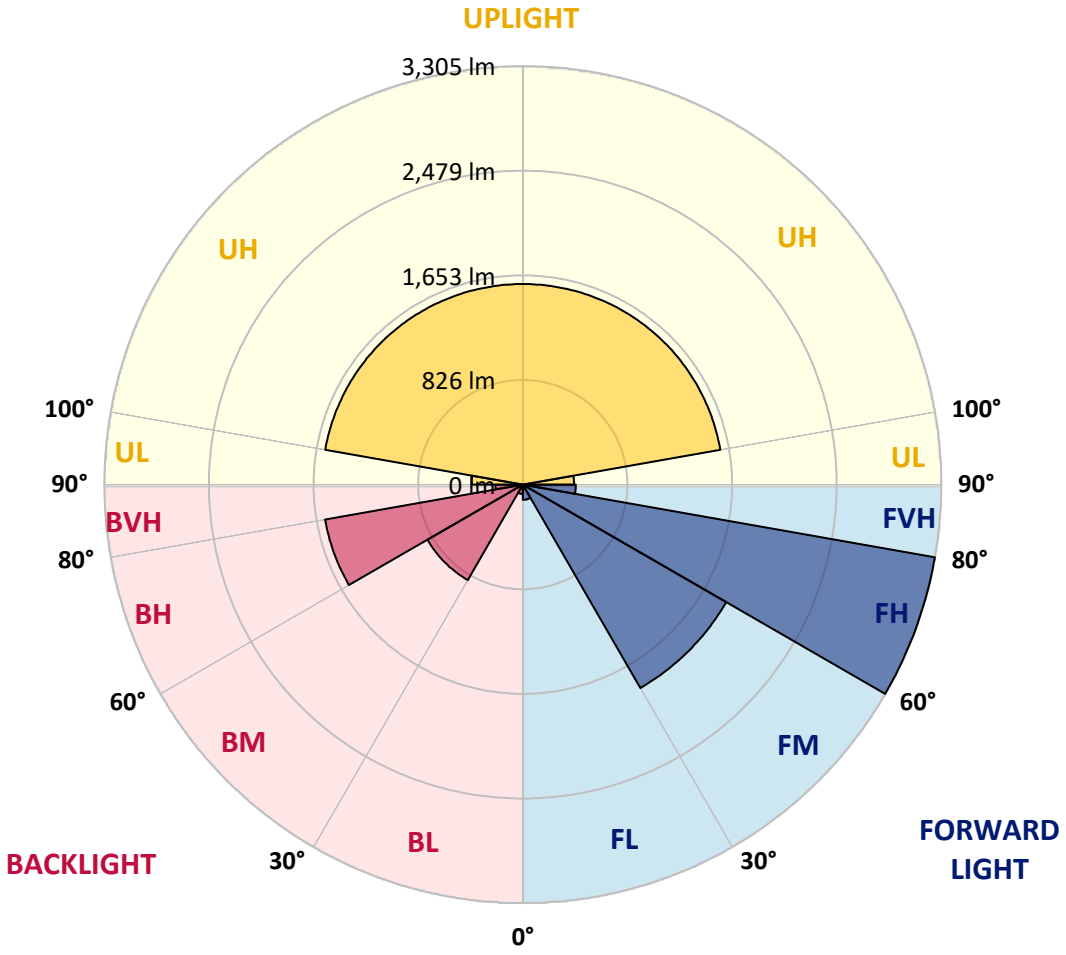
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	120.2	1.2			
FM	(30°-60°)	1854.9	17.8			
FH	(60°-80°)	3305.2	31.7			G2/5000
FVH	(80°-90°)	418.7	4.0			G3/500
BL	(0°-30°)	73.6	0.7	B0/110		
BM	(30°-60°)	869.5	8.3	B1/1000		
BH	(60°-80°)	1586.0	15.2	B3/2500		G3/2500
BVH	(80°-90°)	216.1	2.1			G2/225
UL	(90°-100°)	404.8	3.9		U3/500	
UH	(100°-180°)	1584.3	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°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2.5°	65.7	64.4	64.4	67.0	70.4	70.4	71.0	69.0	69.0	68.4	69.0
5°	95.6	92.9	94.2	94.9	96.2	97.6	98.9	98.9	96.2	94.2	88.9
7.5°	133.4	132.7	134.1	133.4	132.1	135.4	137.4	142.0	143.4	134.7	124.1
10°	171.9	169.9	169.2	169.9	170.6	168.6	172.6	175.9	171.2	161.3	152.0
12.5°	213.7	213.7	213.7	213.0	213.0	212.4	211.1	210.4	205.7	194.5	179.9
15°	260.2	260.8	262.2	261.5	258.2	252.9	248.9	245.6	242.9	234.9	216.4
17.5°	288.7	287.4	288.7	288.0	286.7	283.4	276.1	269.5	260.8	249.5	235.6
20°	315.3	314.6	313.9	313.9	312.6	308.6	304.0	293.4	282.1	270.1	254.2
22.5°	335.8	334.5	335.8	335.2	334.5	333.2	325.2	315.9	303.3	290.0	273.4
25°	362.4	361.7	362.4	360.4	360.4	358.4	353.7	341.8	327.9	313.3	292.7
27.5°	391.6	389.6	391.6	390.9	388.3	382.9	379.0	365.7	348.4	334.5	315.9
30°	416.1	416.1	417.5	413.5	416.1	411.5	402.2	387.6	373.0	355.1	335.8
32.5°	442.0	442.0	440.7	440.0	443.3	437.4	426.8	409.5	397.6	379.0	362.4
35°	514.4	509.1	517.7	517.0	533.6	521.7	501.7	478.5	459.9	436.0	414.1
37.5°	722.1	719.4	715.5	690.2	661.0	665.7	669.0	643.1	619.9	576.7	525.6
40°	781.2	780.5	779.8	765.2	773.2	752.0	741.3	728.1	724.1	667.7	599.3
42.5°	829.6	821.6	829.6	856.2	898.0	883.4	829.6	760.6	748.0	694.2	666.3
45°	961.0	955.7	969.0	977.0	963.7	939.8	955.1	904.6	870.1	793.8	742.7
47.5°	1118.3	1113.0	1125.6	1132.3	1159.5	1134.2	1122.3	1079.2	1021.4	949.1	882.7
50°	1587.5	1527.8	1576.3	1559.7	1566.3	1509.9	1532.5	1470.7	1419.0	1300.2	1180.0
52.5°	2241.3	2221.4	2188.2	2151.0	2179.6	2119.2	2137.7	2070.7	1977.1	1839.1	1661.9
55°	3126.0	3058.9	3080.2	3156.5	3140.6	3032.4	3013.8	2850.6	2682.6	2476.2	2289.7
57.5°	4283.5	4250.3	4211.8	4160.7	4110.9	3998.7	3943.6	3761.1	3500.3	3212.3	2952.8
60°	5071.3	5044.7	5027.5	4871.5	4779.9	4554.2	4503.1	4376.4	4144.1	3830.8	3473.1
62°	5227.9	5223.9	5188.7	5091.8	5064.6	4825.7	4670.4	4529.0	4358.5	4040.5	3729.3
62.5°	5226.6	5218.6	5198.0	5117.1	5089.2	4865.5	4696.9	4546.9	4377.0	4065.1	3759.1
65°	5120.4	5102.5	5093.2	5044.7	5032.1	4900.7	4677.0	4522.4	4379.7	4035.9	3781.0
67.5°	4720.8	4742.1	4743.4	4694.9	4653.1	4574.8	4361.1	4227.0	4128.8	3770.4	3530.2
70°	3832.1	3803.6	3774.4	3797.0	3778.4	3735.9	3566.0	3397.4	3274.6	3086.8	2859.2
72.5°	2816.7	2861.8	2861.2	2867.8	2871.1	2764.3	2688.6	2591.7	2525.3	2362.7	2200.1
75°	2257.9	2261.9	2249.2	2202.8	2153.0	2091.3	2104.6	2095.9	2064.1	1892.2	1730.9
77.5°	1782.7	1738.9	1756.8	1683.8	1619.4	1618.7	1644.6	1669.8	1683.8	1545.7	1421.0
80°	1255.0	1245.1	1229.2	1235.8	1182.7	1196.6	1209.2	1226.5	1199.3	1117.7	1059.9
82.5°	792.4	783.8	771.2	832.3	883.4	872.1	831.6	766.6	751.3	757.3	744.0
85°	749.3	748.6	737.4	731.4	723.4	705.5	715.5	729.4	721.4	676.3	617.9
87.5°	707.5	705.5	696.9	693.6	678.3	676.3	685.6	690.9	694.2	653.7	604.6
90°	619.9	611.9	604.0	610.6	608.6	609.9	612.6	611.3	612.6	564.8	544.2
92.5°	517.0	515.0	509.1	512.4	517.0	535.6	527.6	515.0	513.0	493.8	473.9
95°	471.9	473.2	465.9	470.6	471.9	471.9	466.6	460.6	456.0	440.7	422.8
97.5°	390.9	384.9	382.3	385.6	386.9	382.3	379.0	369.0	368.3	353.1	344.5
100°	332.5	331.2	329.9	333.8	335.2	333.2	333.8	327.9	327.2	318.6	309.3
102.5°	310.6	309.9	309.3	312.6	313.9	312.6	310.6	304.6	306.0	296.7	290.0
105°	293.4	293.4	292.7	294.7	290.7	288.7	286.1	286.1	287.4	280.1	270.1
107.5°	274.1	273.4	274.1	273.4	268.8	266.8	266.1	264.1	268.8	264.8	254.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*277.4*	277.4	276.8	269.5	266.8	263.5	262.2	265.5	264.1	257.5	250.9
112.5°	*339.8*	335.8	338.5	328.5	323.9	326.5	327.9	330.5	335.8	325.2	315.3
115°	*379.6*	380.3	386.9	386.9	377.0	381.6	381.6	381.0	386.3	378.3	368.3
117.5°	*309.9*	313.9	335.2	321.9	325.2	327.9	311.3	305.3	304.0	306.0	327.2
120°	*357.1*	351.8	371.7	329.9	317.2	317.2	329.2	344.5	327.9	302.6	309.3
122.5°	*584.0*	584.7	585.4	603.3	601.3	606.6	597.3	585.4	550.9	551.5	520.3
125°	*894.0*	885.4	885.4	877.4	876.1	863.5	879.4	889.3	862.8	817.7	768.6
127.5°	*855.5*	874.1	867.4	847.5	828.3	821.6	840.2	871.4	856.2	816.3	771.2
130°	*607.3*	611.9	610.6	631.8	637.1	630.5	637.1	614.6	617.9	627.2	603.3
132.5°	*509.1*	506.4	515.7	544.9	556.2	542.9	524.3	507.7	508.4	528.3	527.0
135°	*438.7*	436.7	443.3	444.7	457.3	446.7	430.1	430.1	434.1	438.7	436.7
137.5°	*396.2*	393.6	395.6	380.3	365.0	364.4	377.6	384.9	381.0	376.3	371.0
140°	*341.1*	342.5	339.1	326.5	319.9	321.2	329.9	341.1	337.8	327.9	319.9
142.5°	*271.4*	268.8	272.8	282.1	295.3	295.3	282.1	268.1	267.5	272.1	278.7
145°	*267.5*	266.1	266.8	264.8	267.5	264.8	260.8	256.8	252.2	248.9	246.2
147.5°	*290.0*	290.0	289.4	286.1	283.4	278.7	280.1	284.7	287.4	284.7	280.7
150°	*235.6*	237.6	237.6	236.9	234.3	236.3	238.9	240.3	242.9	242.9	238.9
152.5°	*181.2*	180.5	182.5	179.9	179.2	180.5	183.8	186.5	187.2	187.2	181.9
155°	*172.6*	171.2	172.6	171.2	169.9	171.2	173.9	175.2	176.5	174.6	169.2
157.5°	*161.3*	161.3	161.3	159.9	160.6	160.6	161.9	162.6	163.3	162.6	161.3
160°	*152.6*	152.6	153.3	152.6	152.6	154.0	153.3	152.6	152.6	152.0	151.3
162.5°	*147.3*	147.3	147.3	147.3	146.7	146.7	147.3	146.7	146.0	145.3	146.7
165°	*144.7*	144.0	144.0	144.0	144.7	144.0	144.0	144.0	143.4	145.3	148.0
167.5°	*150.0*	148.7	149.3	150.0	150.0	149.3	149.3	149.3	150.7	152.6	154.6
170°	*157.3*	156.6	156.6	157.3	157.3	156.6	156.6	156.6	157.3	158.0	158.6
172.5°	*163.3*	162.6	162.6	162.6	161.9	161.3	161.3	161.3	161.3	161.3	161.9
175°	*169.2*	169.2	169.2	169.2	168.6	167.9	167.9	167.9	167.9	167.9	167.9
177.5°	*175.9*	175.2	175.9	175.2	175.2	175.2	174.6	173.9	173.2	173.2	173.2
180°	*174.6*	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2.5°	67.7	67.0	63.1	59.7	57.1	54.4	50.4	47.1	44.5	43.8	43.8
5°	87.6	86.3	82.3	77.0	74.3	70.4	66.4	63.7	60.4	59.1	59.7
7.5°	120.8	121.5	122.8	125.4	124.1	112.8	100.2	97.6	100.2	104.2	106.2
10°	150.0	148.0	147.3	156.0	154.0	137.4	120.8	115.5	120.1	128.8	132.7
12.5°	173.9	169.9	169.2	170.6	162.6	144.7	130.7	124.8	127.4	134.1	133.4
15°	209.1	203.1	194.5	189.2	179.2	166.6	149.3	139.4	139.4	139.4	138.7
17.5°	229.6	223.0	206.4	191.1	178.5	169.2	158.0	148.7	138.7	137.4	136.7
20°	247.6	237.6	219.7	203.1	187.2	173.9	158.0	146.7	138.0	136.7	136.1
22.5°	262.8	253.5	234.3	214.4	194.5	179.2	161.9	150.0	141.4	138.7	138.0
25°	283.4	273.4	251.5	228.3	205.1	185.8	169.9	156.0	145.3	140.0	140.0
27.5°	304.0	292.7	268.1	244.2	219.0	195.1	177.2	163.3	150.0	142.7	142.0
30°	323.9	311.3	284.7	257.5	232.3	207.1	186.5	170.6	156.0	148.0	147.3
32.5°	351.8	337.2	306.0	272.1	246.9	219.7	196.5	177.9	162.6	154.6	153.3
35°	406.2	389.6	354.4	310.6	270.8	234.3	206.4	181.9	167.2	158.6	158.0
37.5°	507.1	487.8	438.7	384.9	330.5	275.4	224.3	187.2	170.6	162.6	161.3
40°	567.5	529.6	477.9	435.4	394.2	341.1	275.4	217.0	177.2	167.9	166.6
42.5°	645.8	606.6	531.6	450.6	398.2	356.4	309.9	272.1	215.0	181.9	175.9
45°	720.1	690.2	625.9	539.6	459.9	387.6	329.9	293.4	256.8	219.0	213.0
47.5°	844.9	801.1	716.1	627.9	546.9	465.9	397.6	326.5	279.4	256.8	255.5
50°	1164.8	1085.1	962.4	856.8	704.2	580.1	499.1	404.2	343.8	308.6	297.3
52.5°	1578.3	1495.3	1355.3	1202.6	1033.4	873.4	714.8	578.7	480.5	418.8	420.8
55°	2194.2	2111.2	1905.5	1644.0	1411.7	1245.1	1075.2	909.9	752.0	661.0	649.8
57.5°	2843.9	2769.6	2593.7	2274.5	1904.8	1596.8	1395.1	1278.3	1197.3	1098.4	1098.4
60°	3320.4	3197.0	2997.9	2676.0	2348.1	1943.3	1684.4	1517.2	1502.6	1485.3	1498.6
62°	*3564.0*	*3404.7*	*3120.7*	*2759.0*	*2454.3*	*2093.9*	*1842.4*	*1676.5*	*1647.3*	*1582.2*	*1583.6*
62.5°	3605.2	3429.3	3141.2	2759.0	2463.6	2107.2	1859.7	1697.7	1657.2	1577.6	1578.9
65°	3646.3	3434.6	3156.5	2714.5	2411.2	2061.4	1870.9	1659.9	1553.7	1420.3	1381.1
67.5°	3410.0	3193.0	2954.7	2524.0	2208.8	1870.9	1659.9	1448.2	1274.9	1139.6	1118.3
70°	2769.6	2599.0	2415.2	2086.0	1810.5	1537.1	1357.9	1166.8	994.2	844.9	854.2
72.5°	2101.9	1942.6	1774.0	1565.0	1393.7	1209.9	1051.3	897.3	754.0	661.0	678.3
75°	1628.0	1521.8	1402.4	1250.4	1120.3	950.4	769.9	633.2	536.3	479.8	483.2
77.5°	1338.7	1228.5	1130.9	991.6	868.1	694.2	520.3	403.5	347.1	321.9	315.3
80°	1029.4	949.1	862.8	738.0	602.0	467.9	349.8	295.3	258.2	239.6	232.3
82.5°	718.8	669.0	596.7	506.4	428.1	379.0	327.9	282.1	243.6	226.3	218.4
85°	592.0	565.5	525.6	474.5	428.1	373.7	316.6	270.1	236.9	223.7	216.4
87.5°	576.7	558.8	513.7	459.3	403.5	347.8	290.0	246.9	225.7	217.0	210.4
90°	529.0	508.4	476.5	422.8	373.0	313.3	266.1	240.3	224.3	214.4	207.1
92.5°	461.3	450.0	420.8	382.3	347.8	309.3	275.4	252.2	235.6	223.7	216.4
95°	410.2	396.9	380.3	349.1	320.6	289.4	258.2	236.3	219.0	206.4	200.4
97.5°	337.2	327.9	311.9	291.4	270.1	244.9	223.0	208.4	197.1	191.1	187.2
100°	306.0	300.0	290.7	276.1	258.8	240.9	225.0	217.0	212.4	208.4	206.4
102.5°	283.4	276.8	269.5	254.2	240.9	225.0	214.4	207.7	201.8	195.1	193.8
105°	263.5	258.2	248.2	235.6	222.3	207.1	194.5	190.5	185.2	179.2	178.5
107.5°	248.2	242.9	234.3	221.0	209.1	195.8	184.5	178.5	172.6	169.2	168.6

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

Scaled Data Report

REPORT NUMBER: P1046374
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	246.9	242.9	233.6	222.3	213.0	199.8	187.2	185.2	178.5	170.6	169.9
112.5°	308.0	295.3	277.4	258.8	242.9	229.6	213.7	197.8	184.5	176.5	175.2
115°	357.1	344.5	322.6	295.3	270.1	241.6	214.4	194.5	187.2	185.2	187.8
117.5°	335.8	309.3	272.1	255.5	233.6	218.4	207.7	203.1	191.1	194.5	197.8
120°	322.6	304.6	272.1	269.5	259.5	242.2	217.7	212.4	205.7	200.4	199.8
122.5°	518.3	501.1	463.9	407.5	346.4	305.3	290.0	258.2	219.7	190.5	185.8
125°	734.7	706.8	633.8	571.4	490.5	403.5	325.2	258.2	205.7	177.9	174.6
127.5°	749.3	718.1	654.4	570.1	467.2	361.0	280.1	231.6	196.5	177.9	174.6
130°	584.0	564.1	517.0	438.0	367.0	304.0	258.2	219.0	187.2	173.2	171.2
132.5°	516.4	498.4	431.4	365.7	318.6	270.1	231.6	194.5	167.2	158.0	156.6
135°	426.8	406.8	362.4	321.9	287.4	248.2	209.7	177.9	158.6	154.0	153.3
137.5°	364.4	355.1	321.9	293.4	262.2	228.3	196.5	171.9	159.9	156.0	155.3
140°	314.6	312.6	292.0	266.8	235.6	199.8	175.2	160.6	156.0	154.0	153.3
142.5°	278.1	275.4	252.9	223.7	195.8	177.2	167.9	163.3	159.3	154.0	152.6
145°	240.9	236.3	222.3	209.7	201.1	195.1	186.5	171.9	156.6	148.7	148.0
147.5°	274.1	266.1	250.9	233.0	214.4	195.1	177.2	161.9	149.3	144.7	144.0
150°	230.3	229.6	219.7	205.7	191.8	174.6	161.3	151.3	146.0	145.3	145.3
152.5°	178.5	178.5	178.5	175.2	168.6	159.3	149.3	143.4	143.4	146.0	146.7
155°	167.9	168.6	169.2	167.9	162.6	154.0	145.3	142.7	143.4	146.0	146.7
157.5°	159.9	159.9	160.6	159.3	156.6	150.7	144.7	142.0	142.7	144.0	144.7
160°	150.7	150.7	151.3	151.3	148.7	146.7	144.0	142.0	142.0	142.7	143.4
162.5°	147.3	147.3	147.3	147.3	146.7	146.7	146.7	146.7	146.0	146.0	146.0
165°	148.7	148.7	146.7	146.0	147.3	149.3	152.6	153.3	150.0	149.3	149.3
167.5°	155.3	155.3	153.3	152.0	154.0	156.0	160.6	161.9	159.3	156.6	156.6
170°	159.3	159.3	159.3	159.9	160.6	162.6	165.3	166.6	165.9	165.3	165.3
172.5°	161.9	161.9	163.3	164.6	166.6	167.9	169.2	170.6	171.9	171.9	172.6
175°	167.2	167.9	169.2	169.9	171.2	172.6	173.9	175.2	175.9	175.9	175.9
177.5°	172.6	172.6	172.6	173.2	173.9	174.6	175.2	175.9	175.9	176.5	177.2
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

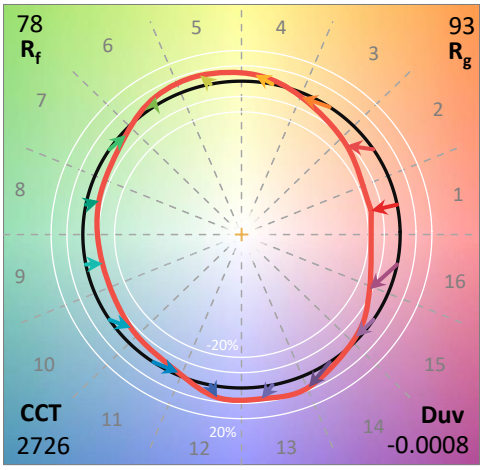
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

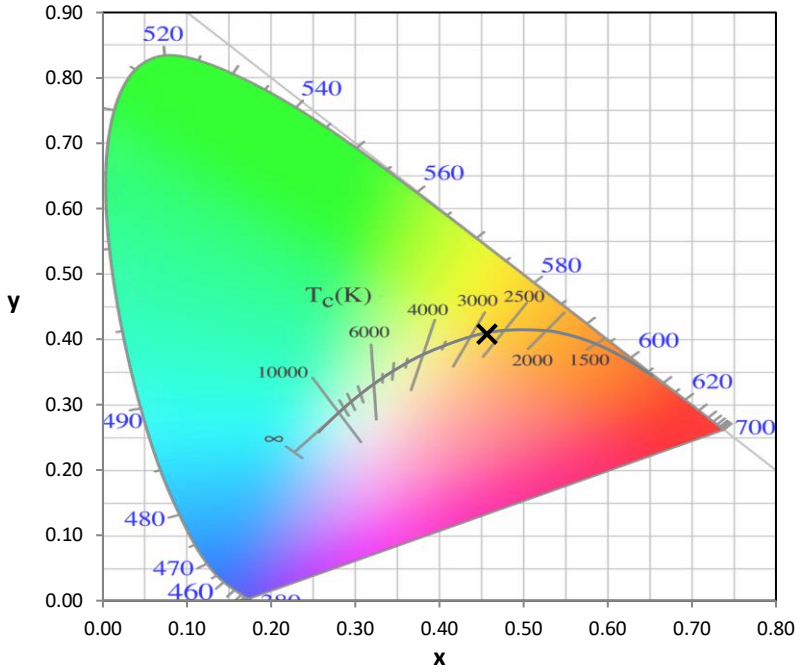
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

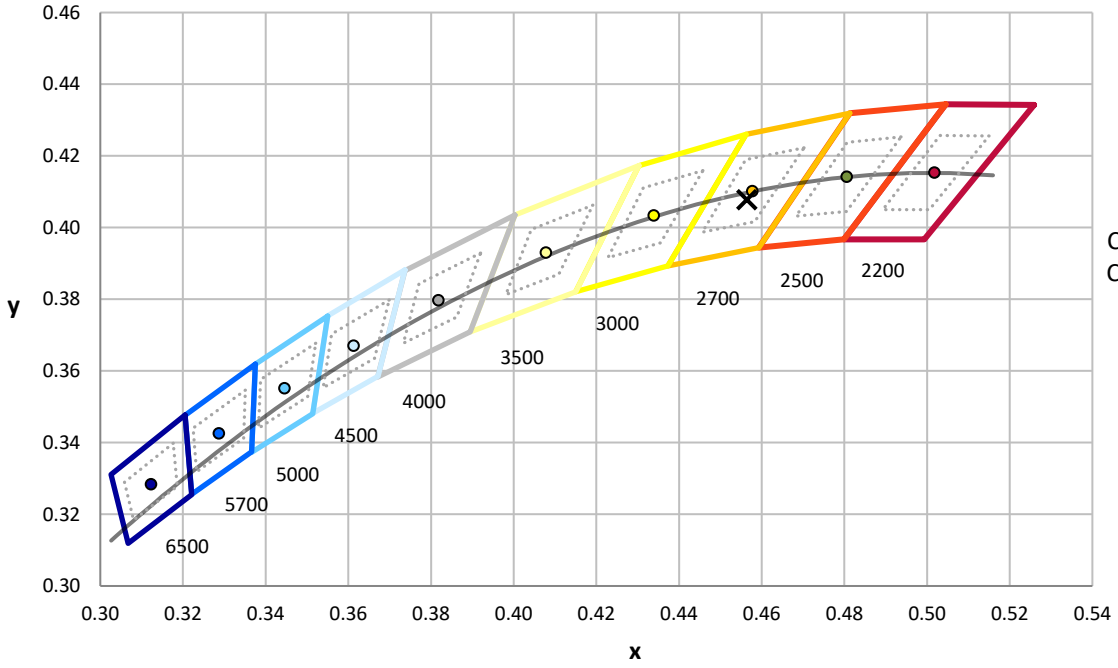
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

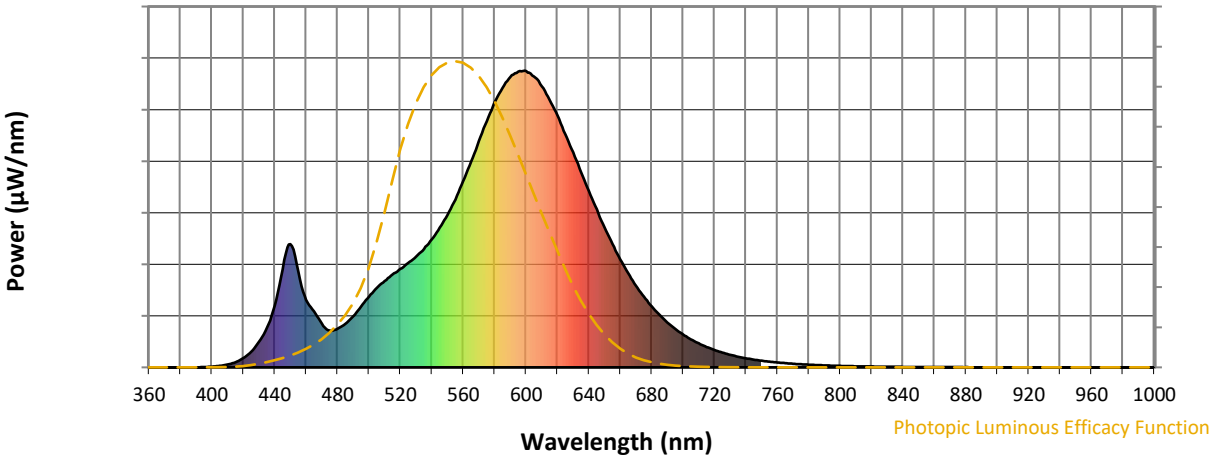


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

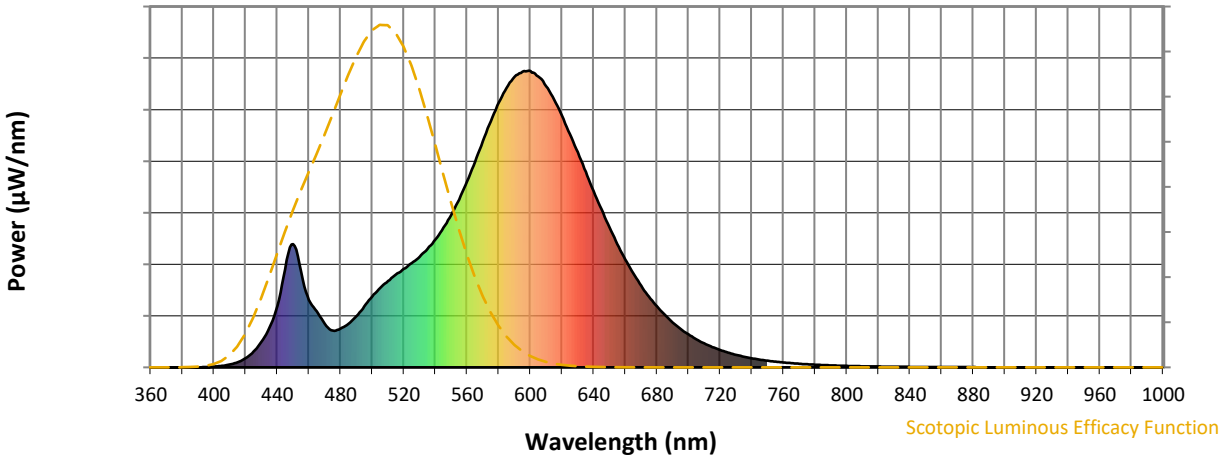


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

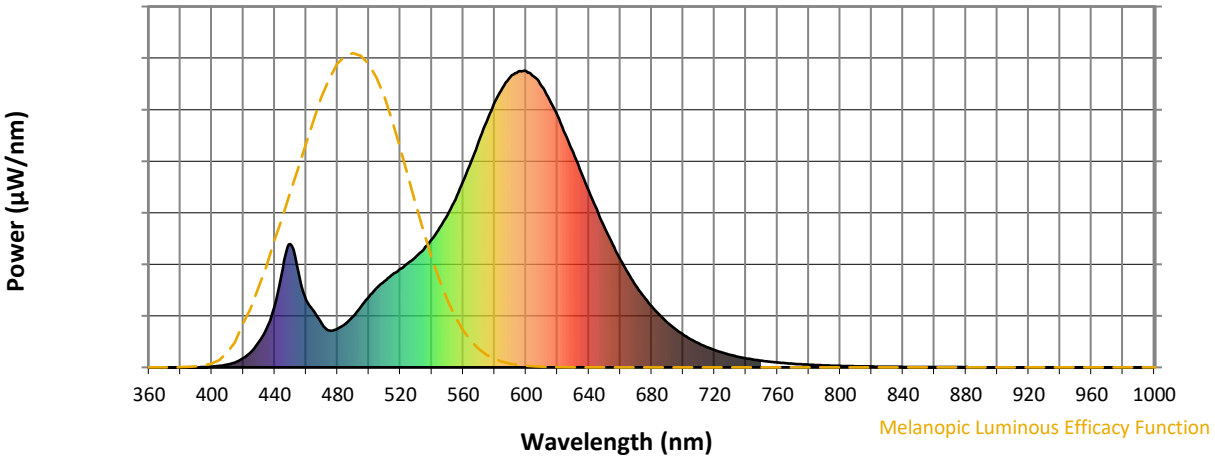


Scotopic Lumens: NR **S/P: 1.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

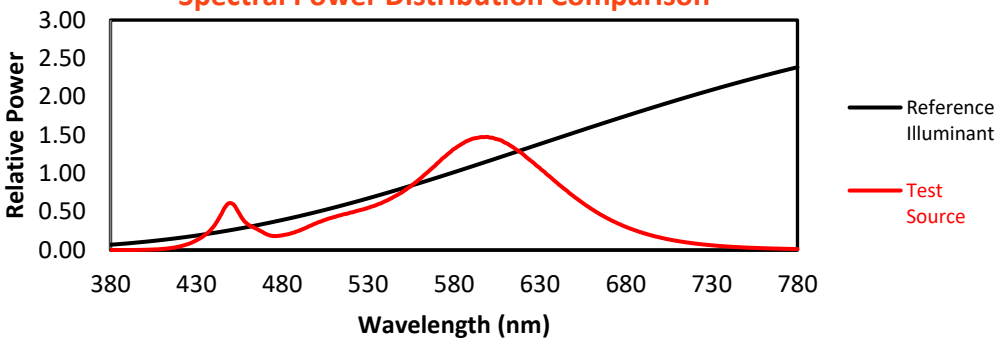
REPORT NUMBER: SP1-2501-332-3

TM-30-18

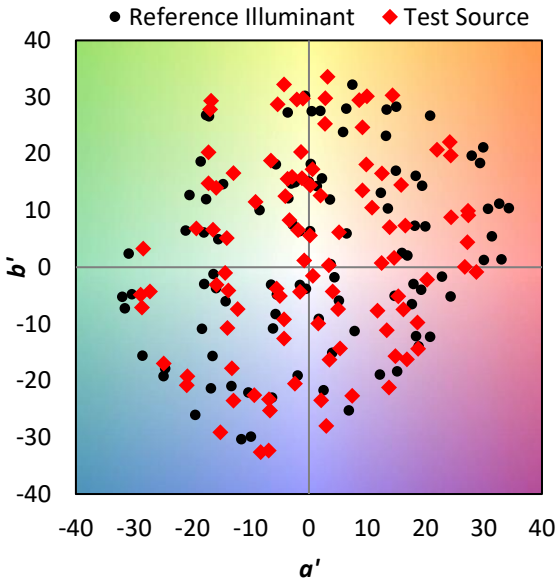
Summary

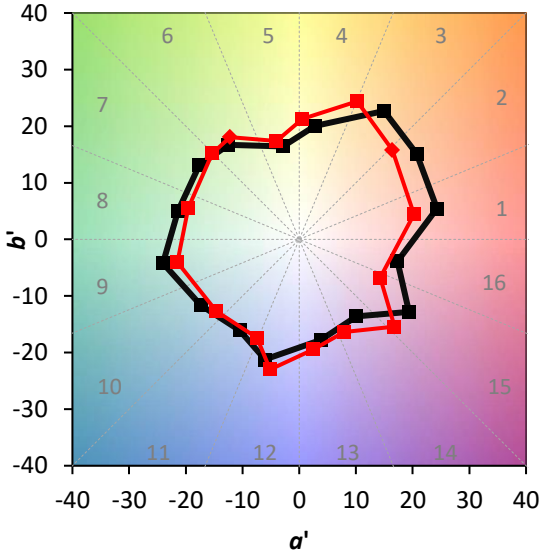
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

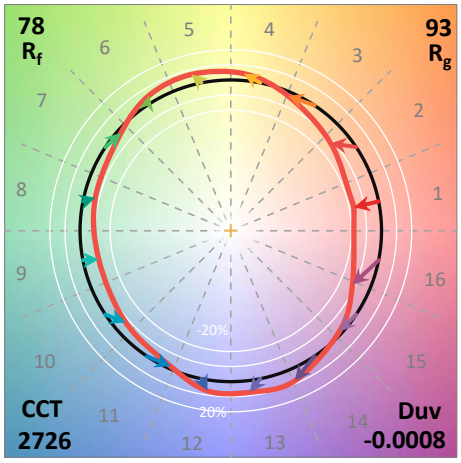
Spectral Power Distribution Comparison

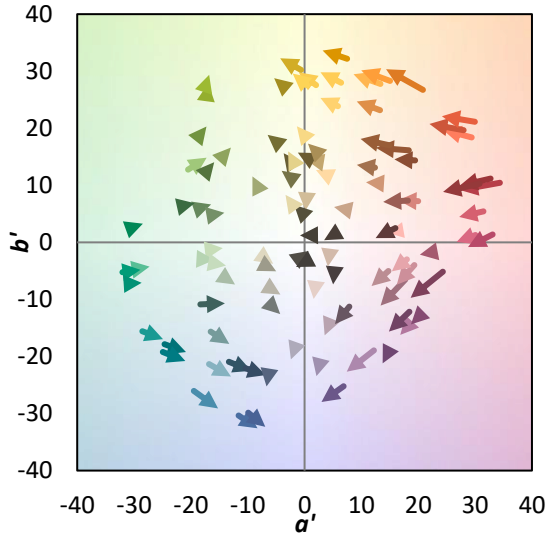


Color Vector Graphics







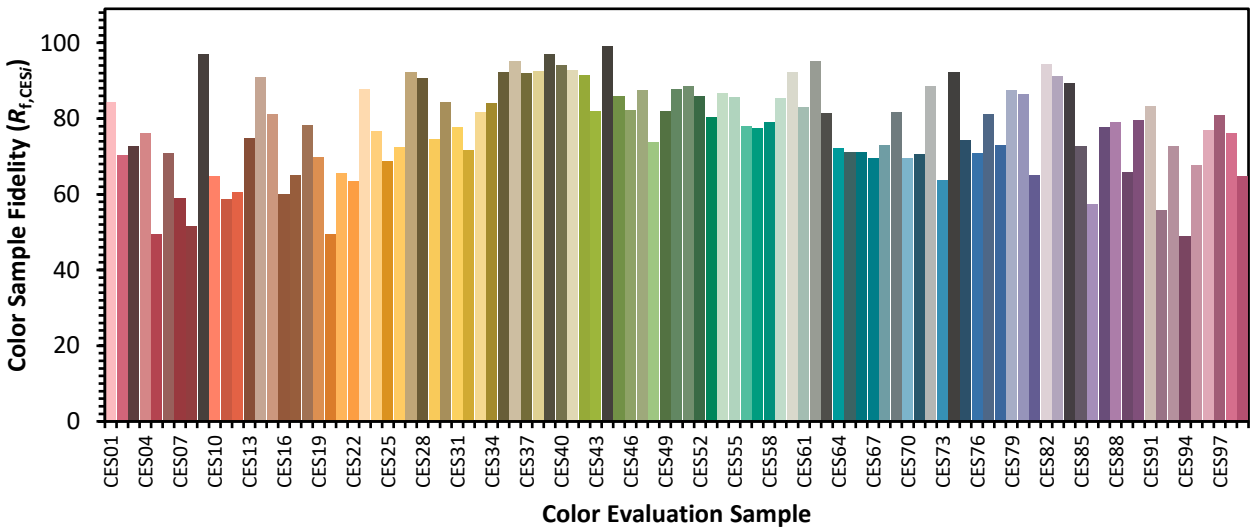


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

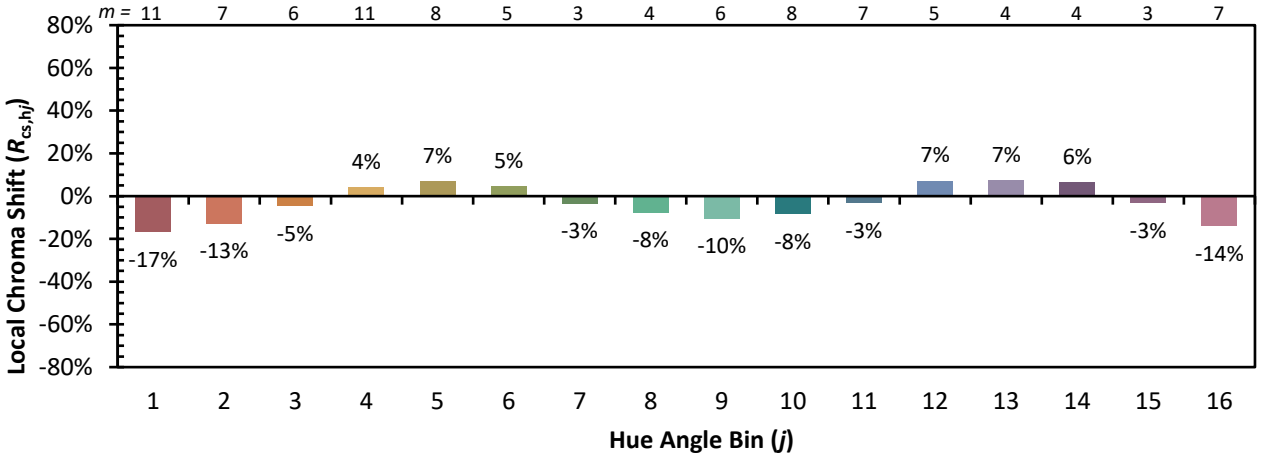
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
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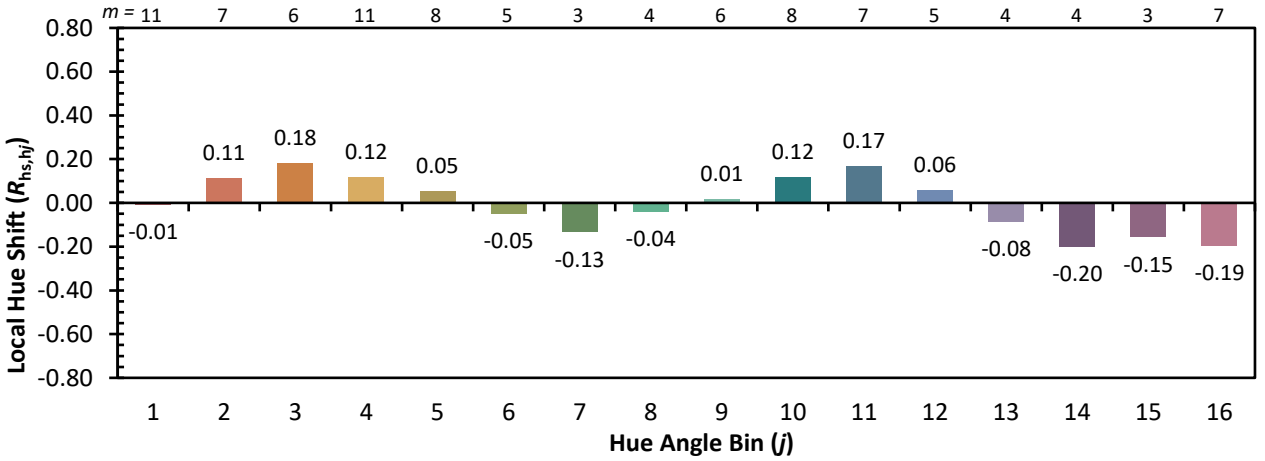


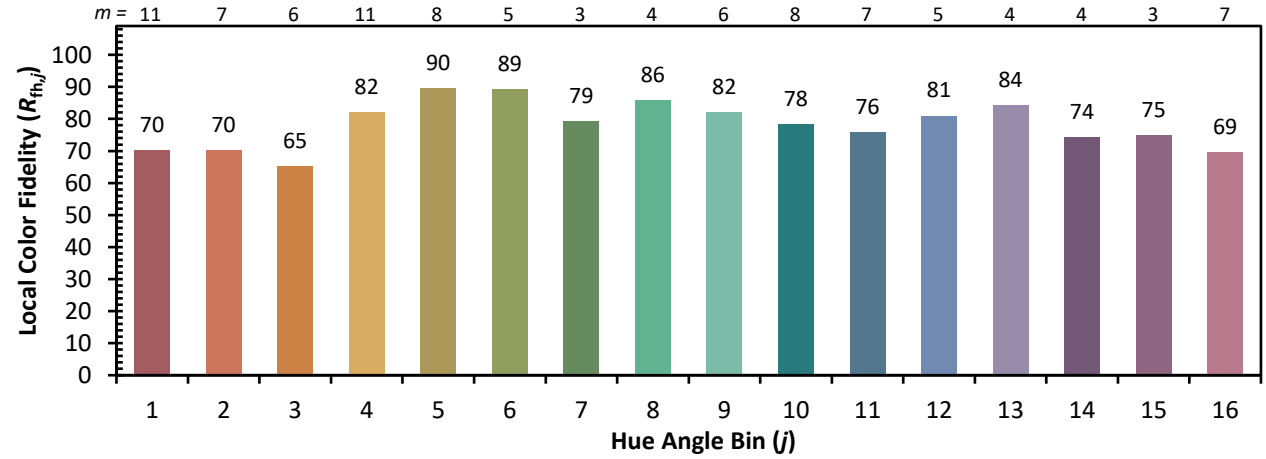
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



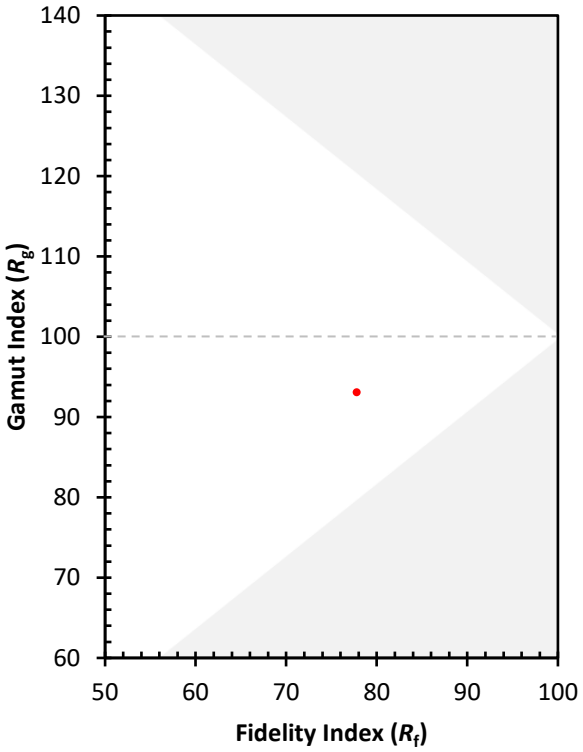


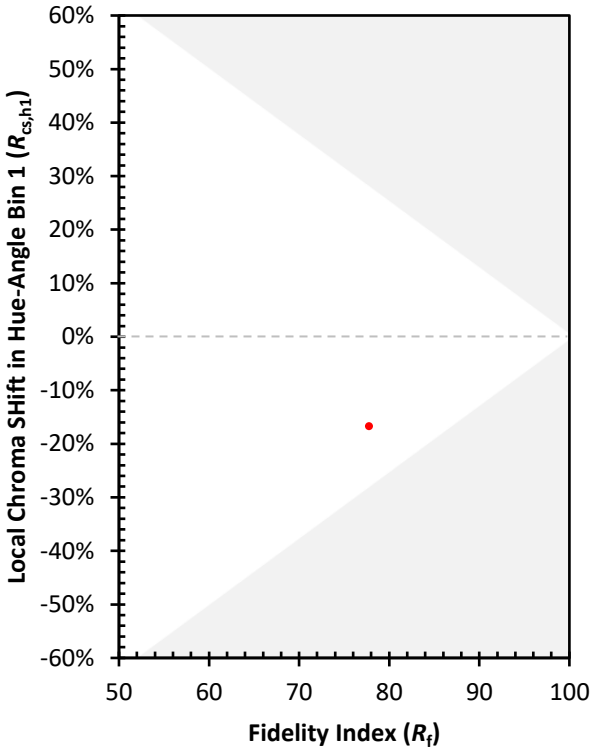


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)