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: P1223938

Luminaire Tested: **FFX-CLB-40-727-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223938
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-727-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5258.1 lumens
Efficiency:	N/A
Efficacy:	133.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

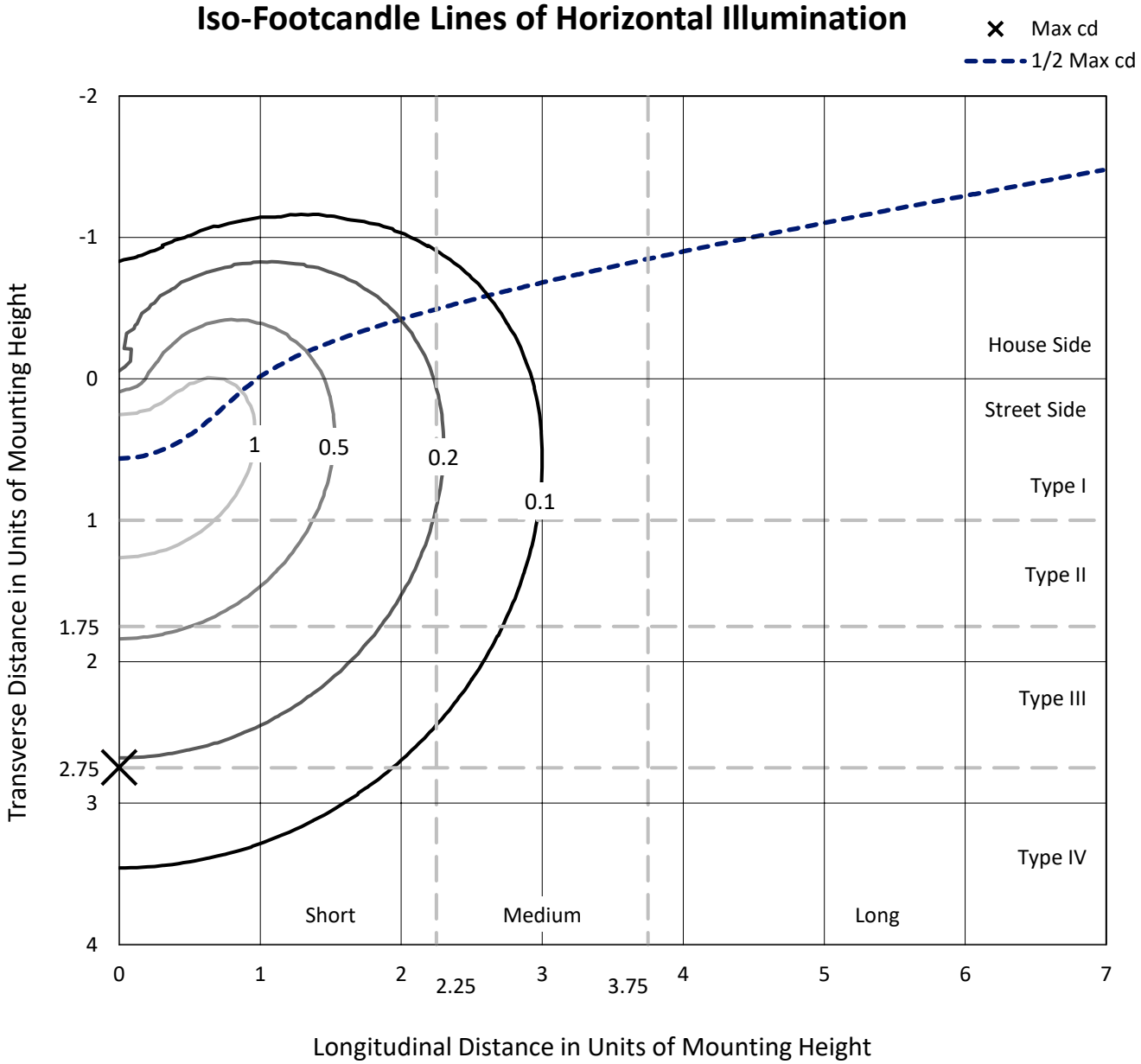


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Iso-Footcandle Lines of Horizontal Illumination



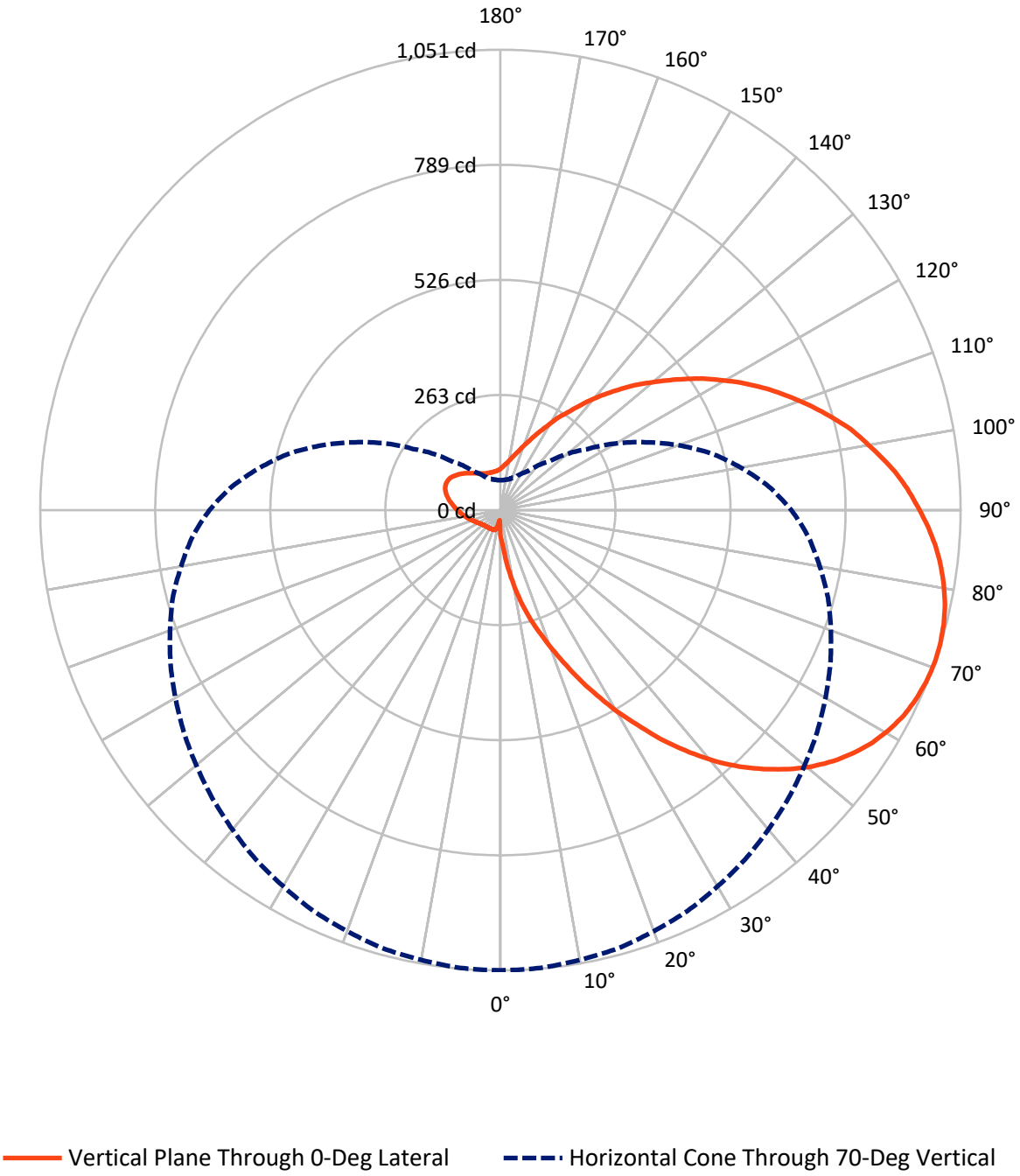
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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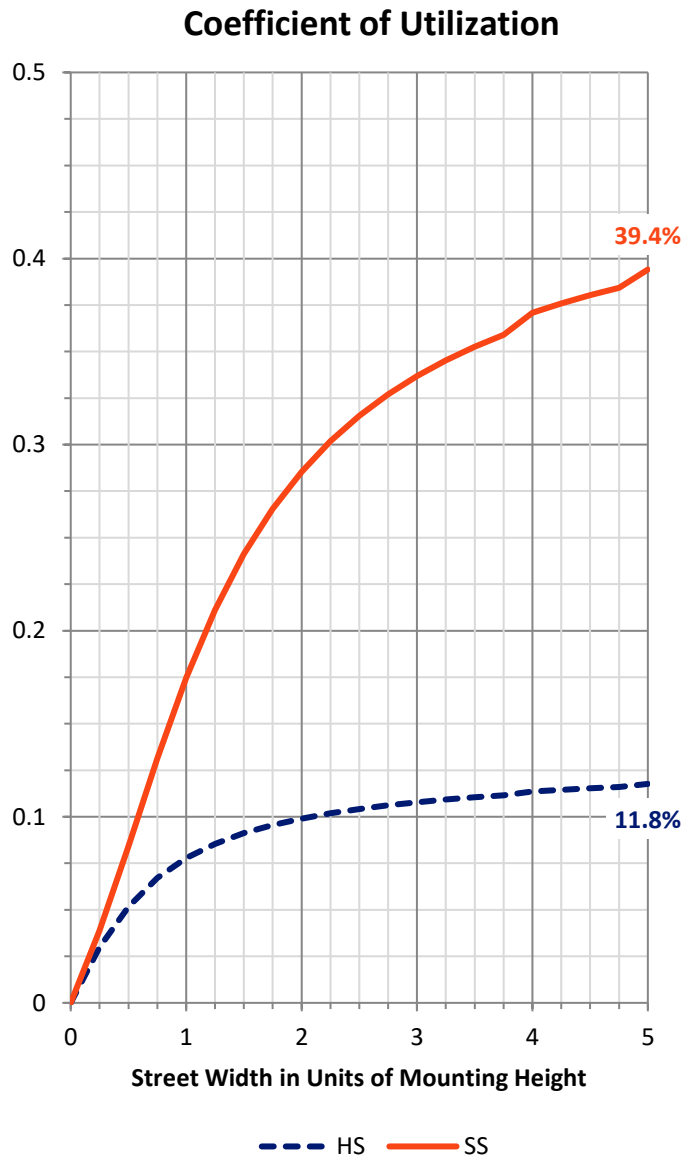
REPORT NUMBER: P1223938
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.2	650.5	1324.7
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	2368.3	1565.1	3933.3
	% Fixture	45.0	29.8	74.8
Total	Lumens	3042.5	2215.6	5258.1
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.2
10°-20°	46.0	0.9
20°-30°	120.9	2.3
30°-40°	234.9	4.5
40°-50°	366.1	7.0
50°-60°	482.9	9.2
60°-70°	567.1	10.8
70°-80°	610.1	11.6
80°-90°	606.6	11.5
90°-100°	564.0	10.7
100°-110°	495.2	9.4
110°-120°	407.3	7.7
120°-130°	306.6	5.8
130°-140°	207.8	4.0
140°-150°	125.8	2.4
150°-160°	67.7	1.3
160°-170°	31.9	0.6
170°-180°	9.3	0.2
0°-90°	3042.5	57.9
0°-180°	5258.1	100.0



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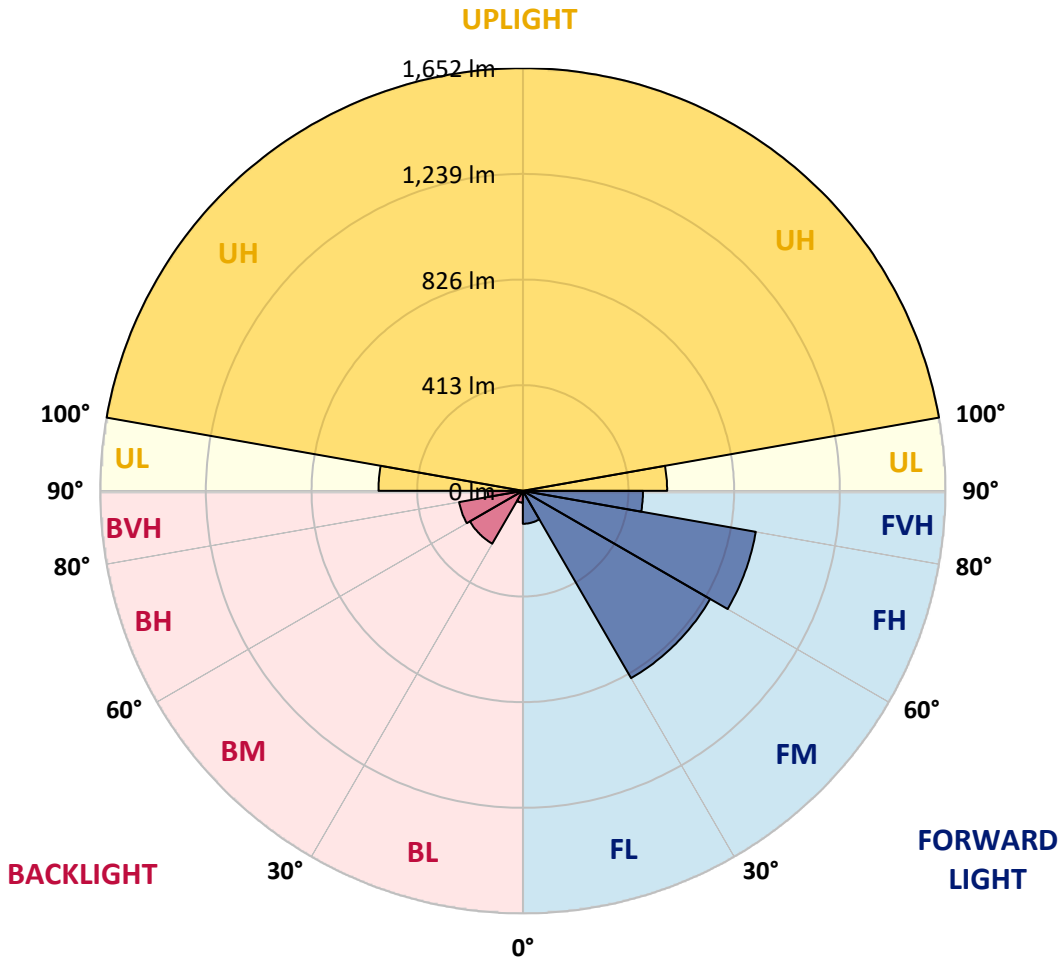
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	128.8	2.4			
FM	(30°-60°)	845.3	16.1			
FH	(60°-80°)	924.5	17.6			G1/1800
FVH	(80°-90°)	469.6	8.9			G3/500
BL	(0°-30°)	46.0	0.9	B0/110		
BM	(30°-60°)	238.6	4.5	B1/1000		
BH	(60°-80°)	252.7	4.8	B1/500		G1/500
BVH	(80°-90°)	137.0	2.6			G2/225
UL	(90°-100°)	564.0	10.7		U4/1000	
UH	(100°-180°)	1651.6	31.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	73.3	73.6	73.3	73.3	74.0	73.3	72.5	69.8	66.7	62.8	60.9
5°	102.6	102.6	104.5	104.5	102.6	98.3	93.3	86.4	80.2	73.6	69.0
7.5°	140.0	140.7	139.2	135.3	133.0	124.5	119.5	110.7	102.9	94.1	89.8
10°	178.9	179.3	177.4	173.9	166.6	158.1	150.8	140.3	130.3	118.7	112.6
12.5°	220.5	219.8	216.3	208.6	204.3	194.7	185.1	174.3	160.8	146.5	139.2
15°	260.2	258.7	257.2	249.1	243.3	233.6	222.5	207.8	192.0	176.2	165.4
17.5°	298.4	294.9	292.6	288.8	279.9	271.4	257.2	239.8	222.8	202.0	190.8
20°	339.3	340.1	336.2	330.8	321.2	308.8	294.9	276.4	255.2	230.6	217.1
22.5°	385.2	385.2	382.9	375.9	365.9	350.1	333.9	314.6	288.4	262.6	246.0
25°	436.1	433.4	430.3	421.4	412.9	396.0	376.7	355.9	328.5	297.3	278.8
27.5°	486.6	485.4	482.3	472.7	461.9	444.2	424.9	397.9	368.2	331.6	312.3
30°	540.2	539.0	535.9	526.7	510.9	493.5	470.4	441.5	409.1	367.8	346.6
32.5°	591.8	591.8	588.0	578.3	561.7	540.9	516.3	483.9	448.0	405.6	380.2
35°	649.3	648.9	641.9	630.4	610.3	592.2	564.4	530.5	490.0	441.5	414.5
37.5°	702.1	700.2	693.2	680.9	662.4	638.9	607.6	570.2	528.6	476.9	446.5
40°	754.1	751.8	745.7	731.8	709.4	682.8	650.8	610.7	563.7	510.1	478.5
42.5°	801.2	800.4	791.5	775.0	752.6	722.5	688.2	645.8	598.8	540.9	507.4
45°	844.0	844.0	835.1	817.0	791.5	761.1	723.3	679.7	629.6	569.1	533.6
47.5°	884.5	884.5	876.0	855.2	827.0	793.5	754.9	709.8	656.6	594.5	556.7
50°	921.1	919.5	909.9	886.8	858.2	823.2	782.7	735.2	681.7	617.3	579.1
52.5°	952.7	950.8	939.6	918.0	886.0	848.6	806.2	758.0	702.1	636.9	598.0
55°	979.3	978.1	967.3	942.7	909.1	871.7	826.6	776.5	721.4	653.5	614.2
57.5°	1002.4	1000.5	987.8	962.7	929.2	888.3	842.8	793.1	736.0	668.5	627.7
60°	1019.8	1017.9	1004.7	979.7	945.8	902.6	857.1	806.6	748.7	680.5	638.9
62.5°	1034.0	1031.7	1019.0	992.4	956.9	914.5	867.9	816.6	758.8	690.1	648.5
65°	1042.9	1041.0	1028.7	1002.0	965.4	922.6	876.0	824.3	766.9	697.5	655.8
67.5°	1048.7	1047.2	1034.4	1008.6	972.0	928.4	881.0	829.3	772.3	702.9	661.2
70°	1051.4	1049.9	1036.7	1010.5	974.3	930.7	883.3	831.6	775.0	706.7	664.7
71°	1051.4	1049.9	1037.1	1010.9	974.7	931.1	883.7	832.0	775.3	707.1	665.1
72.5°	1050.2	1049.1	1036.4	1009.8	973.5	930.3	882.5	831.6	775.3	707.5	665.8
75°	1046.0	1043.7	1031.3	1005.5	969.7	926.5	879.1	828.2	773.0	706.3	665.1
77.5°	1038.3	1036.4	1023.6	998.6	962.7	919.2	872.1	822.4	768.4	702.5	662.0
80°	1027.1	1025.2	1012.8	987.0	951.5	909.5	862.5	813.5	760.3	696.3	656.6
82.5°	1012.8	1011.3	999.3	973.5	938.4	896.8	849.8	801.9	751.4	687.8	648.9
85°	995.9	994.0	980.8	955.4	921.9	880.2	834.3	788.1	738.7	677.4	639.6
87.5°	975.4	974.3	961.2	936.9	903.3	862.1	818.1	773.0	724.5	665.8	629.2
90°	953.1	952.7	938.8	914.5	881.4	842.4	798.9	754.9	707.9	652.0	616.5
92.5°	930.7	930.7	916.8	891.8	859.0	820.5	779.2	736.8	692.1	638.1	604.2
95°	906.0	903.3	890.2	867.9	835.1	798.1	758.4	716.7	673.6	622.3	590.3
97.5°	877.1	876.4	863.6	839.7	809.7	774.2	735.6	697.1	655.4	606.1	575.6
100°	849.0	847.4	835.5	813.5	782.7	748.7	712.5	675.5	636.2	589.5	560.2
102.5°	821.2	817.4	805.0	782.7	755.7	722.5	688.6	654.7	616.1	571.8	544.4
105°	787.7	787.3	774.6	753.4	726.0	696.7	664.7	631.5	596.4	553.7	528.2
107.5°	754.9	754.9	743.0	722.1	696.3	668.2	639.6	608.4	576.0	534.8	511.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*721.4*	721.0	710.2	691.7	667.0	640.0	613.8	585.3	552.9	516.6	493.9
112.5°	*688.2*	687.4	677.0	658.1	635.4	613.4	587.2	561.0	531.3	497.7	476.2
115°	*654.7*	653.9	642.7	626.1	605.3	582.6	560.6	535.5	509.7	476.2	457.3
117.5°	*620.0*	619.2	609.9	593.7	574.1	556.0	534.0	512.4	486.2	455.7	436.8
120°	*584.5*	584.9	575.6	561.0	542.9	525.9	506.6	487.0	462.7	433.7	415.6
122.5°	*551.0*	548.3	542.1	529.0	512.8	497.0	480.8	460.7	438.0	410.6	394.8
125°	*515.1*	514.3	508.2	495.0	481.2	468.8	453.8	435.7	414.9	387.1	372.8
127.5°	*480.4*	481.6	474.6	465.0	451.5	441.1	425.6	409.8	389.8	364.7	351.2
130°	*448.0*	447.2	443.4	433.4	422.2	411.4	399.8	385.6	366.7	341.6	329.3
132.5°	*417.9*	414.5	411.0	402.5	393.3	384.4	374.4	360.1	340.8	318.9	308.1
135°	*385.2*	385.2	379.8	372.4	365.9	357.4	347.4	334.3	317.7	298.4	286.1
137.5°	*355.1*	353.6	350.1	344.3	338.1	332.0	323.5	310.4	295.7	277.2	266.4
140°	*326.6*	325.4	322.3	317.3	312.3	306.5	298.8	287.6	274.1	256.4	247.1
142.5°	*296.9*	297.6	294.9	291.5	285.7	281.8	274.9	264.9	252.9	237.5	228.6
145°	*270.3*	270.7	269.5	266.0	261.8	257.9	250.6	243.3	231.7	217.8	211.3
147.5°	*248.3*	246.8	244.4	242.5	238.7	235.6	229.8	222.8	212.1	200.1	193.9
150°	*223.6*	224.8	222.5	220.1	217.8	213.6	209.4	203.6	193.5	183.9	177.4
152.5°	*202.8*	203.6	201.6	200.5	198.2	194.7	190.5	185.1	177.4	168.9	162.7
155°	*184.3*	184.3	184.3	182.8	180.1	177.7	173.5	168.5	161.9	154.2	150.0
157.5°	*167.3*	167.7	167.7	165.8	163.9	161.9	158.5	154.2	148.4	141.9	138.8
160°	*153.8*	153.1	152.7	151.1	149.6	148.1	145.0	141.5	136.5	131.1	128.4
162.5°	*140.3*	140.3	139.6	138.4	137.3	134.9	133.0	129.5	126.1	122.2	119.1
165°	*129.9*	129.5	129.5	128.0	126.8	124.9	123.0	120.7	117.6	114.1	111.8
167.5°	*121.1*	120.3	119.9	119.1	117.6	116.4	114.5	112.6	110.3	108.0	106.0
170°	*112.6*	113.0	112.2	111.4	110.7	109.5	108.0	106.4	104.5	102.2	101.4
172.5°	*106.8*	106.4	106.0	105.3	104.5	103.3	102.6	101.0	99.9	98.3	97.5
175°	*101.4*	101.4	101.0	100.2	99.5	98.7	97.9	97.2	96.4	95.2	94.8
177.5°	*97.2*	97.2	97.2	96.4	96.0	95.6	94.8	94.5	94.1	93.3	93.3
180°	*92.9*	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	59.0	54.0	49.7	45.9	42.8	40.1	38.6	35.9	33.9	32.8
5°	66.3	59.0	52.8	46.7	42.0	37.0	32.0	27.0	23.9	23.5
7.5°	84.1	76.0	66.7	58.6	49.4	41.6	35.1	30.1	28.1	27.8
10°	106.4	94.5	82.1	70.2	58.2	48.6	41.6	37.0	34.7	34.3
12.5°	131.1	114.9	99.1	83.7	69.4	58.6	50.1	44.7	42.0	42.0
15°	156.5	136.5	116.4	97.5	81.0	67.5	57.1	50.1	47.0	46.7
17.5°	178.9	156.1	132.2	109.9	89.8	72.9	60.5	52.0	48.2	47.8
20°	204.3	175.4	148.1	120.3	96.8	77.1	62.5	52.8	47.8	47.4
22.5°	231.3	198.6	164.6	132.2	104.1	81.4	64.4	53.6	48.2	47.4
25°	261.8	222.5	181.6	144.2	111.4	85.2	66.3	54.4	48.6	47.8
27.5°	290.7	247.1	199.7	155.4	118.0	88.7	67.9	55.1	49.0	48.2
30°	321.5	271.4	217.5	167.3	124.9	92.1	69.4	55.5	49.0	48.2
32.5°	352.8	294.9	236.0	178.1	130.7	94.5	70.2	55.9	49.4	48.6
35°	385.9	320.4	253.3	189.3	136.1	96.8	70.9	56.3	49.4	48.6
37.5°	416.4	344.7	270.3	198.9	140.7	98.7	71.7	56.3	49.7	49.0
40°	443.8	366.7	285.3	207.4	144.6	99.9	72.1	56.7	50.1	49.4
42.5°	470.8	388.3	298.8	214.4	147.7	100.6	72.5	57.1	50.5	49.7
45°	494.7	406.4	311.1	220.9	150.0	101.4	72.9	57.4	50.9	50.1
47.5°	515.9	423.3	322.7	226.3	151.5	101.8	73.3	57.8	51.7	50.9
50°	536.3	439.5	331.6	230.6	153.1	102.2	73.3	58.6	52.8	52.0
52.5°	553.7	452.6	339.7	234.0	153.8	102.6	74.0	59.4	53.6	53.2
55°	568.7	464.2	347.0	236.7	154.6	102.6	74.8	60.5	55.1	54.4
57.5°	581.0	473.5	352.0	238.3	154.6	102.9	75.2	62.1	56.7	55.9
60°	591.8	481.6	356.6	240.2	155.0	103.3	76.3	63.6	58.6	58.2
62.5°	600.7	487.7	360.1	241.4	155.4	104.5	77.9	65.5	60.5	60.1
65°	607.6	493.1	362.8	242.1	155.8	105.3	79.4	67.5	63.2	62.8
67.5°	612.3	497.0	364.7	242.5	156.1	106.4	81.4	70.2	65.9	65.2
70°	*615.7*	*499.3*	*365.9*	*242.9*	*156.9*	*107.6*	*83.7*	*72.5*	*68.6*	*68.2*
71°	616.5	499.7	366.3	242.9	157.3	108.3	84.4	73.6	69.8	69.4
72.5°	616.9	500.1	366.3	242.9	157.7	109.5	86.0	75.6	71.7	71.3
75°	616.5	499.7	365.9	242.9	158.5	111.4	88.7	78.3	74.8	74.4
77.5°	613.8	498.1	364.7	242.9	159.6	113.7	91.8	82.1	78.3	77.9
80°	609.2	495.0	362.8	242.5	160.8	116.4	94.8	85.6	81.7	81.4
82.5°	603.0	490.4	360.1	242.5	162.3	118.7	97.9	88.7	85.6	85.2
85°	594.9	485.0	357.4	242.1	164.2	121.8	101.8	92.9	89.8	89.1
87.5°	585.3	478.5	354.3	242.1	166.2	125.3	105.6	96.8	93.7	92.9
90°	574.5	471.1	351.2	242.1	168.5	128.8	109.9	101.0	97.5	97.2
92.5°	563.7	464.2	348.2	242.5	171.6	132.6	114.1	105.6	102.2	102.2
95°	551.3	455.7	344.7	243.3	174.7	136.9	119.1	110.3	106.8	106.4
97.5°	539.0	448.0	342.0	244.4	178.1	141.9	123.8	115.3	111.8	111.0
100°	525.1	439.9	339.3	246.0	182.4	146.5	128.8	120.3	116.8	116.4
102.5°	511.6	431.0	336.2	247.9	186.6	151.9	134.2	125.3	121.8	121.4
105°	497.0	421.8	332.7	249.5	190.8	156.9	139.2	129.9	126.1	126.1
107.5°	482.7	412.2	329.3	251.4	195.1	161.9	143.8	134.6	130.3	129.9

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

Scaled Data Report

REPORT NUMBER: P1223938
CATALOG NUMBER: FFX-CLB-40-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	466.5	401.7	325.0	252.5	198.9	166.2	148.1	138.0	133.8	133.4
112.5°	451.9	390.6	320.4	252.9	202.4	170.0	151.5	141.1	136.9	136.1
115°	433.4	379.0	314.2	252.2	204.3	173.1	153.8	143.0	138.4	137.6
117.5°	415.6	365.9	307.7	250.2	205.5	174.7	155.4	144.2	139.2	138.4
120°	397.5	351.2	298.4	246.8	204.3	174.7	155.4	143.4	138.4	138.0
122.5°	377.1	335.8	288.8	241.7	202.4	173.1	153.8	142.3	136.9	136.5
125°	355.9	319.2	277.2	234.8	198.6	170.8	151.5	140.0	134.6	134.2
127.5°	335.4	302.3	265.3	226.7	193.2	166.9	148.4	136.5	131.1	130.3
130°	315.4	284.5	251.8	217.1	186.6	161.9	144.2	133.0	127.6	126.8
132.5°	294.6	267.6	238.3	207.8	179.7	156.5	139.6	128.8	123.8	123.0
135°	274.9	249.8	223.6	196.6	171.6	150.4	134.6	124.5	119.5	119.1
137.5°	256.0	233.3	210.1	185.8	163.5	144.2	129.5	120.3	115.7	114.9
140°	236.7	217.1	196.2	175.4	154.6	137.6	124.5	115.7	111.4	110.7
142.5°	220.1	201.6	183.1	163.9	146.1	130.7	119.1	111.0	107.6	107.2
145°	202.8	186.6	170.0	153.4	138.0	124.5	114.1	107.2	103.7	103.3
147.5°	187.4	172.0	157.7	143.4	129.9	118.0	109.1	103.3	100.6	100.2
150°	171.6	159.2	146.9	133.8	122.2	112.2	104.9	99.9	97.2	96.8
152.5°	157.7	147.3	136.1	126.1	115.3	107.2	101.0	96.4	94.5	94.1
155°	145.7	136.9	127.6	118.4	109.9	103.3	97.9	94.1	92.5	92.5
157.5°	135.3	127.6	119.9	112.2	105.3	99.5	95.2	92.5	91.0	90.6
160°	125.3	119.1	112.2	106.4	101.0	96.8	93.3	91.0	89.8	89.4
162.5°	117.2	111.8	107.2	102.2	97.9	94.5	91.8	89.8	89.1	89.1
165°	110.3	106.4	102.2	98.7	95.2	92.5	90.6	89.4	88.7	88.7
167.5°	104.9	101.4	98.7	95.6	93.3	91.4	89.8	89.1	88.7	88.3
170°	100.2	97.9	95.6	93.7	91.8	90.6	89.4	89.1	88.7	88.7
172.5°	96.8	95.2	93.7	92.1	91.0	89.8	89.4	89.1	89.1	89.1
175°	94.1	93.3	92.1	91.4	90.6	90.2	89.8	89.8	89.8	89.8
177.5°	92.9	92.1	91.8	91.4	91.0	91.0	91.0	91.4	91.4	91.4
180°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

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

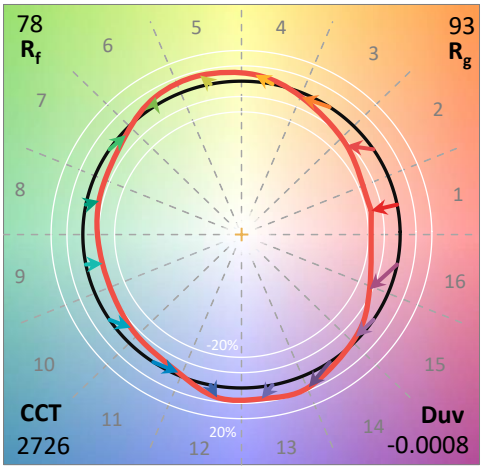
Test Information

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

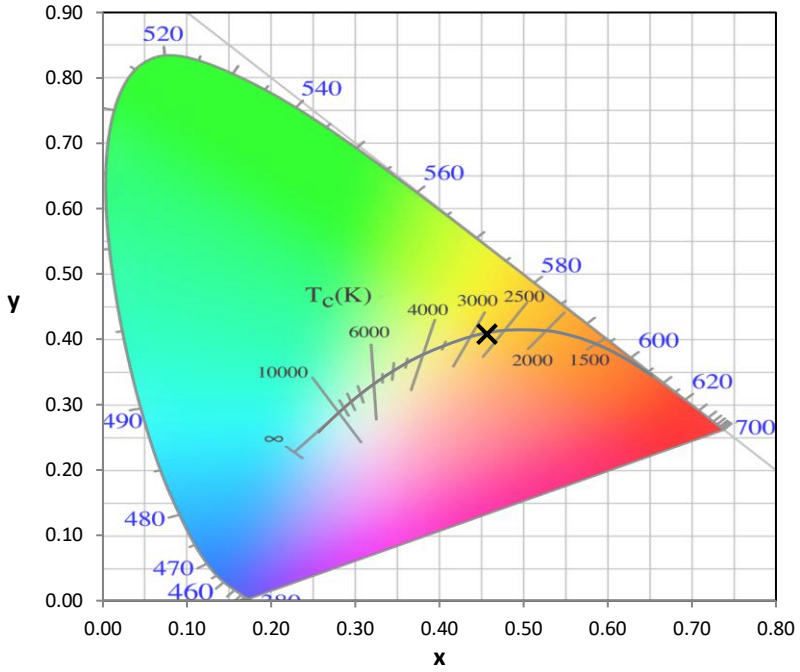
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

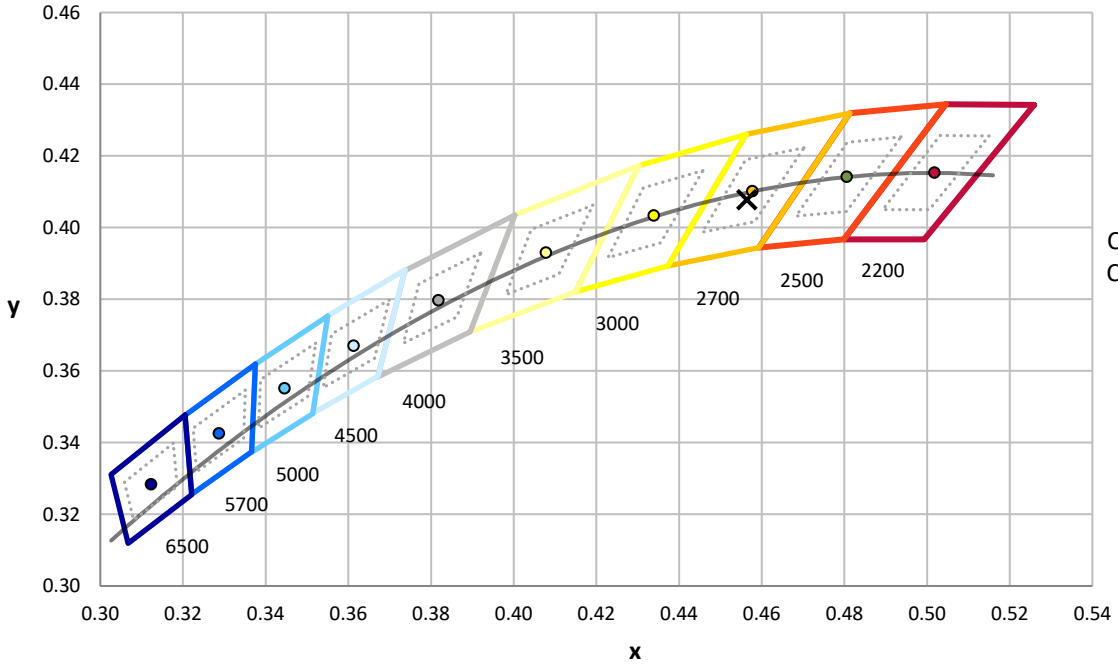
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

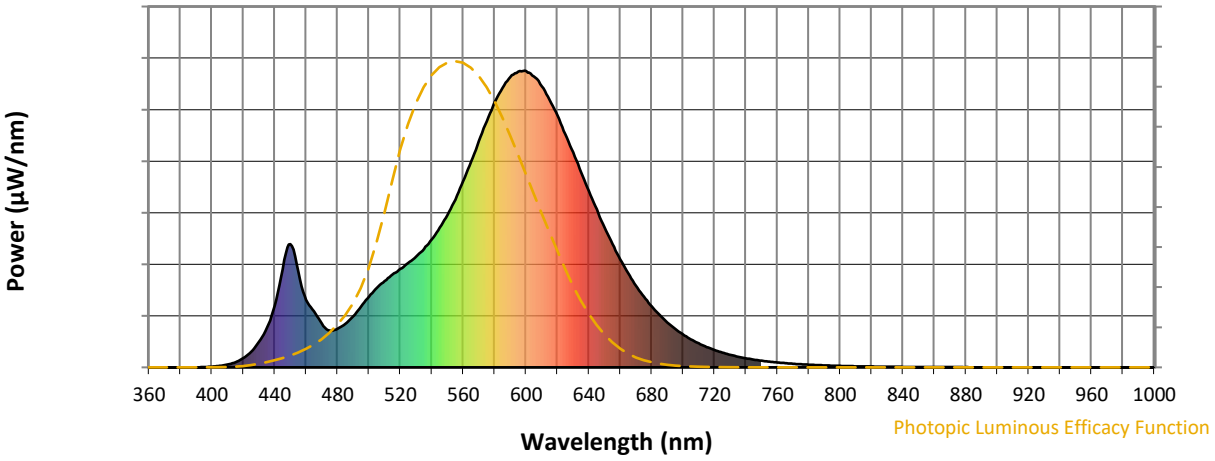


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

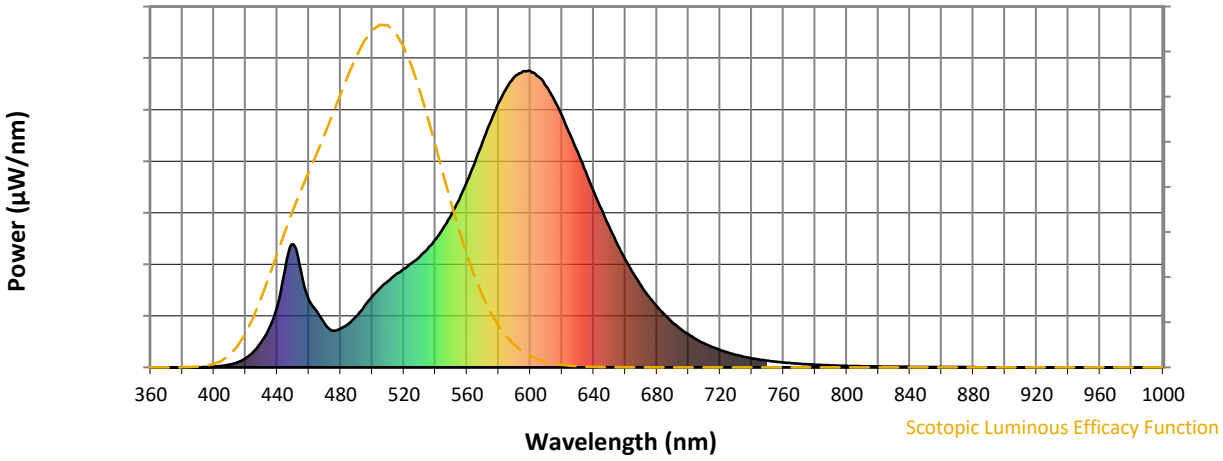


Photopic Lumens: NR

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

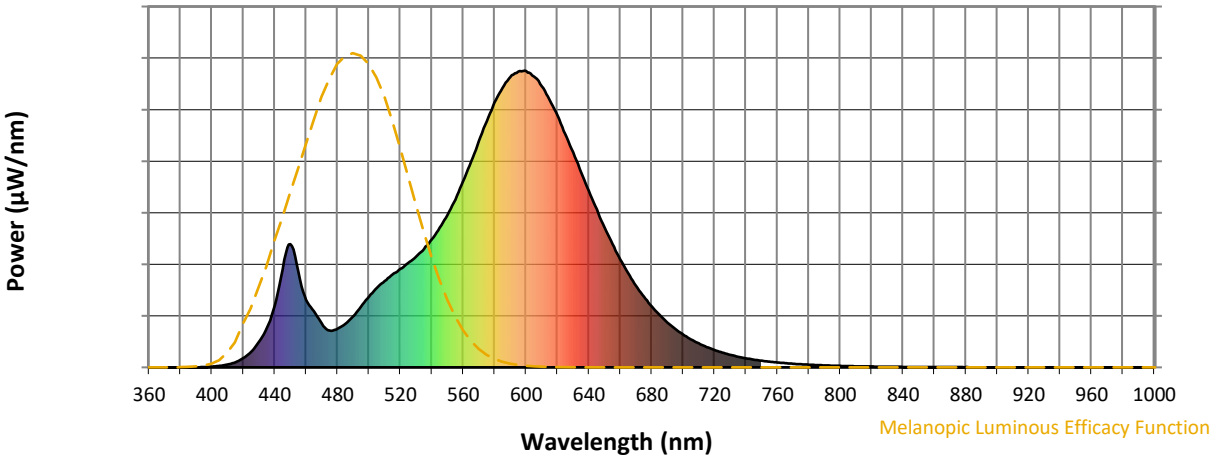


Scotopic Lumens: NR **S/P: 1.16**

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			

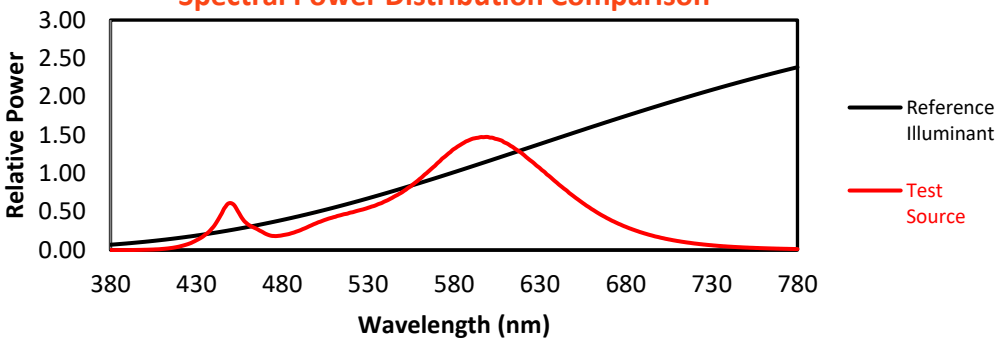
REPORT NUMBER: SP1-2501-332-3

TM-30-18

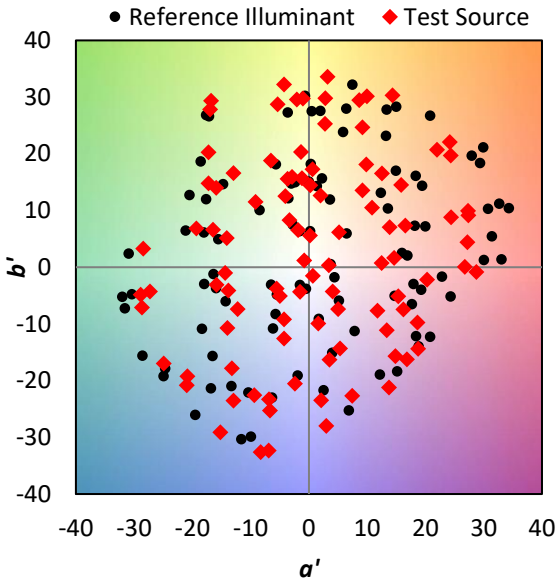
Summary

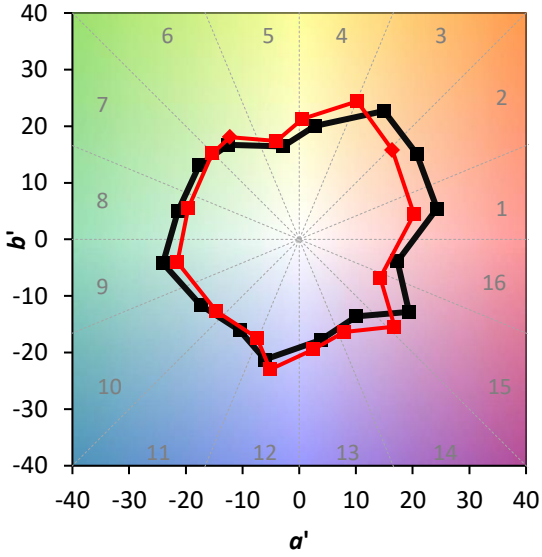
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

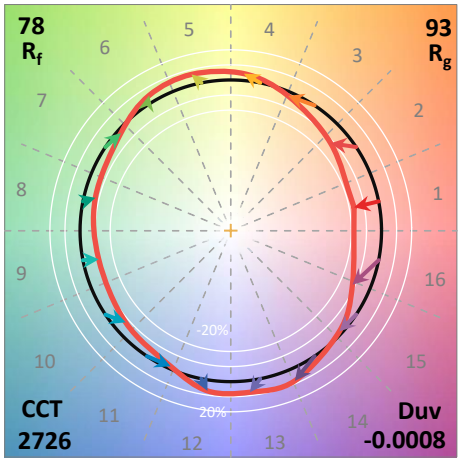
Spectral Power Distribution Comparison

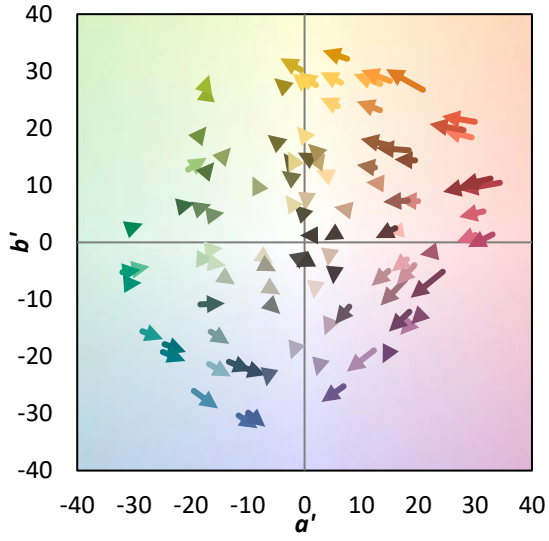


Color Vector Graphics







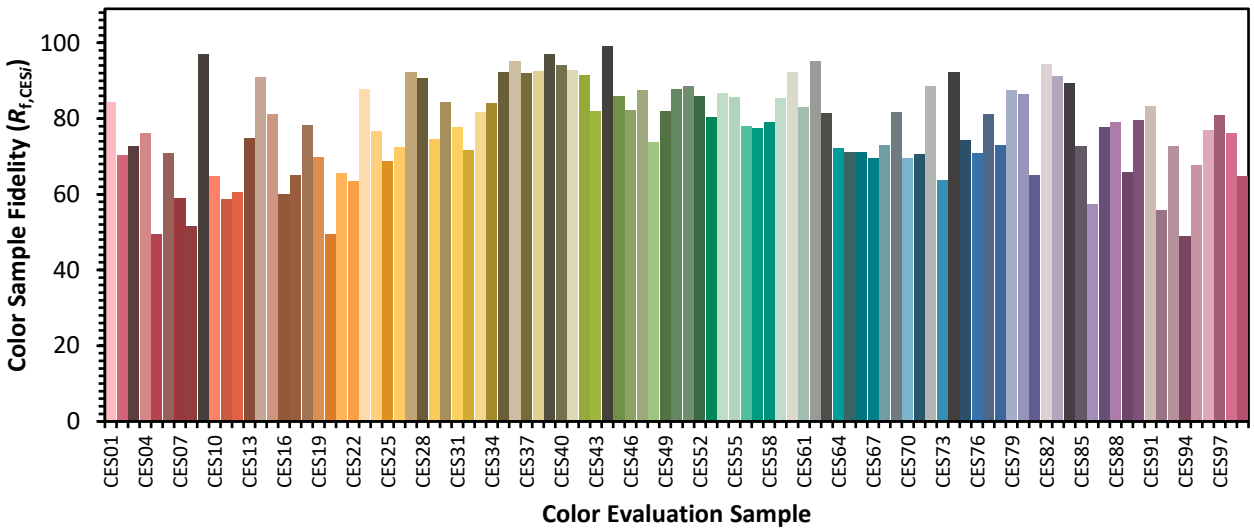


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

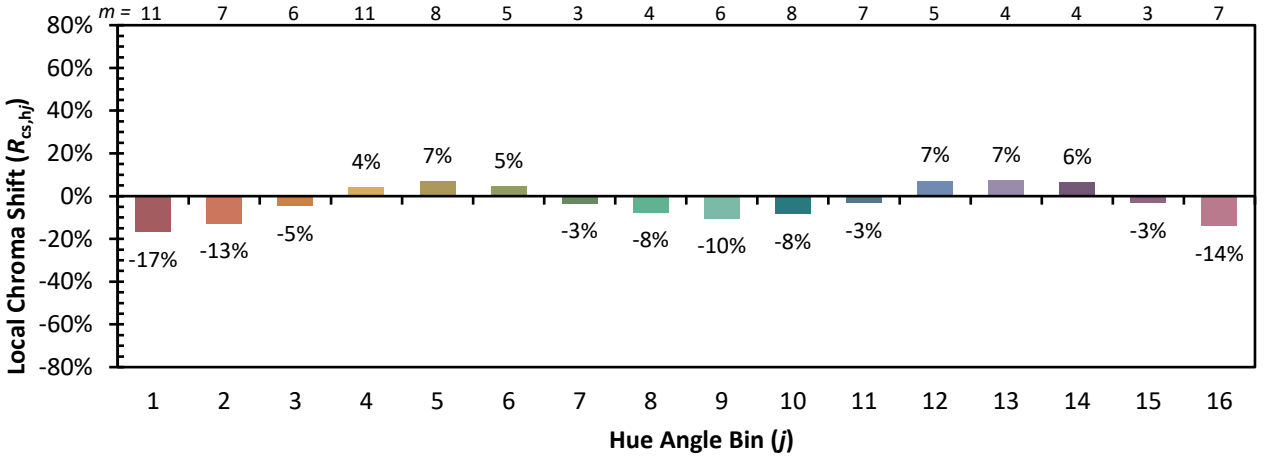
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 88	CES75 = 74	

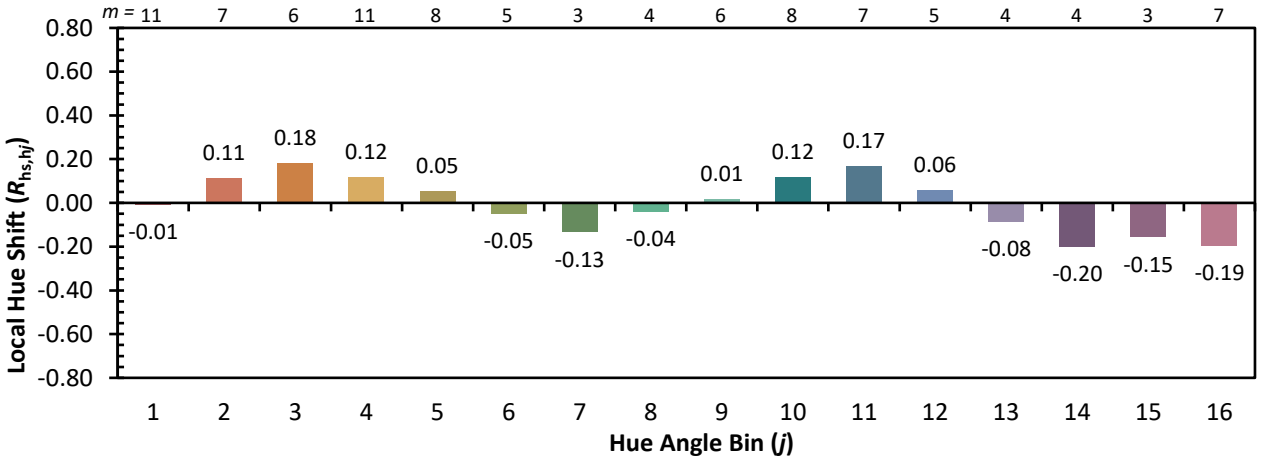


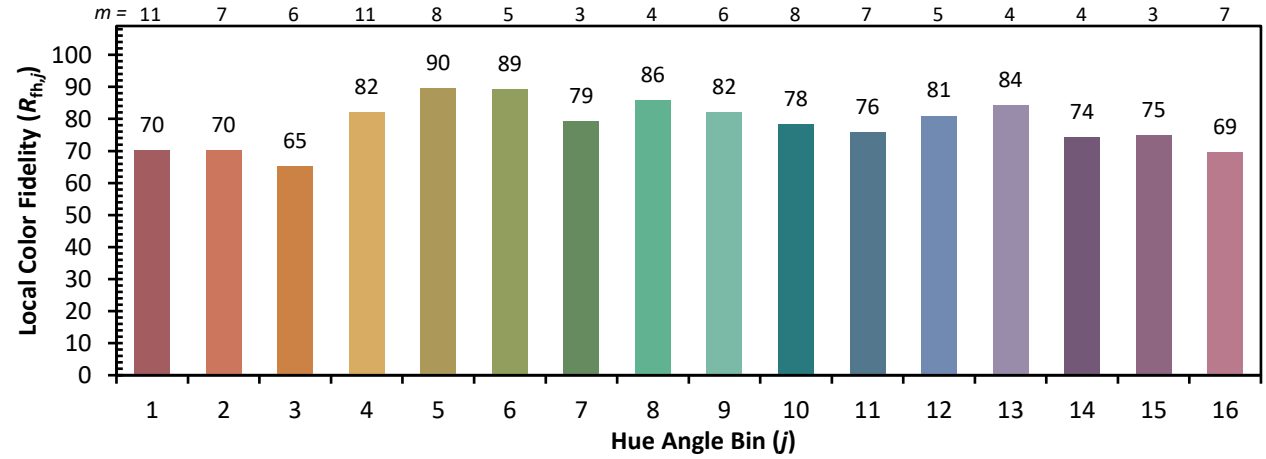
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



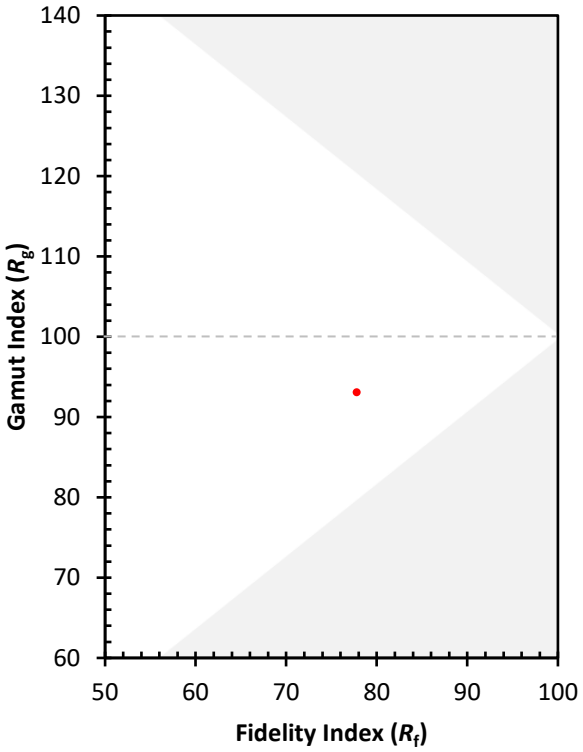


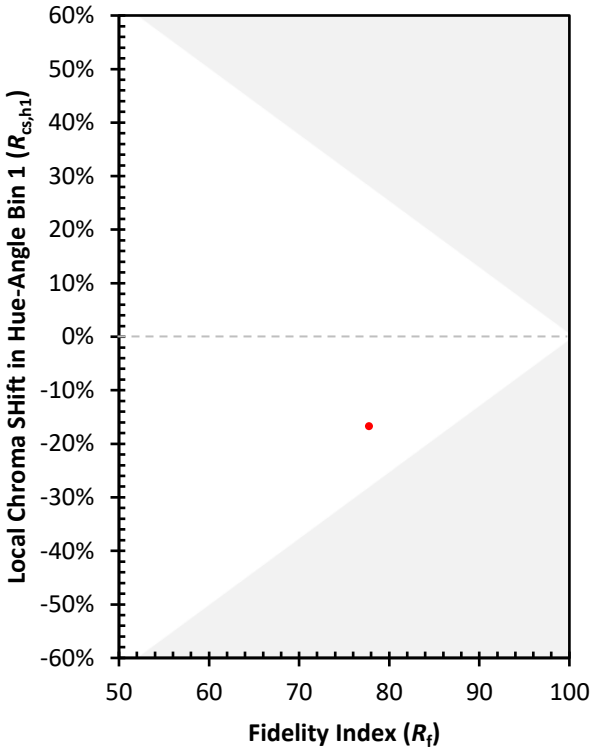


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Measure Comparisons





(END OF REPORT)