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: P1223894

Luminaire Tested: **FFX-CLB-30-727-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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:	P1223894
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4437.8 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:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

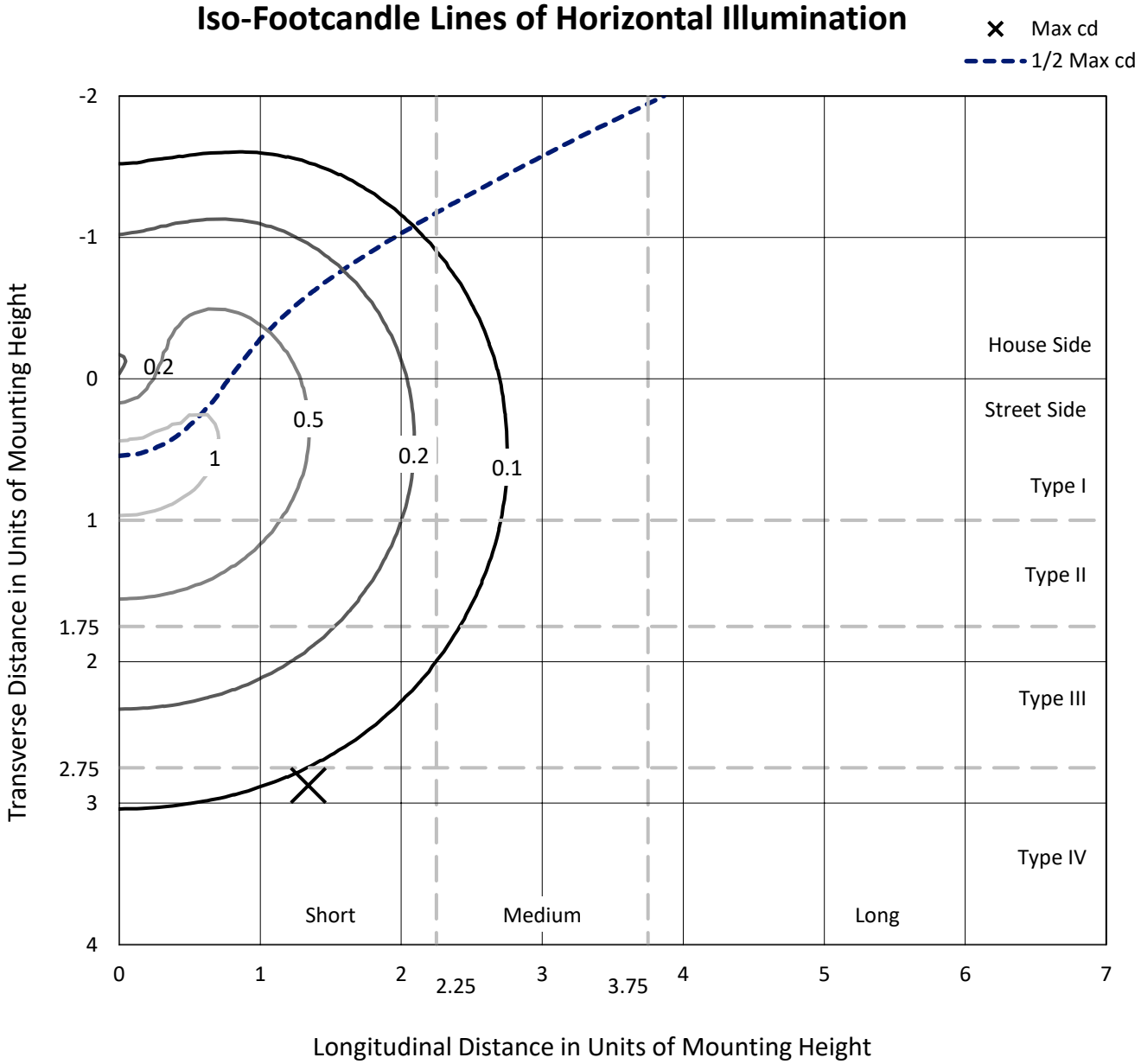


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Iso-Footcandle Lines of Horizontal Illumination



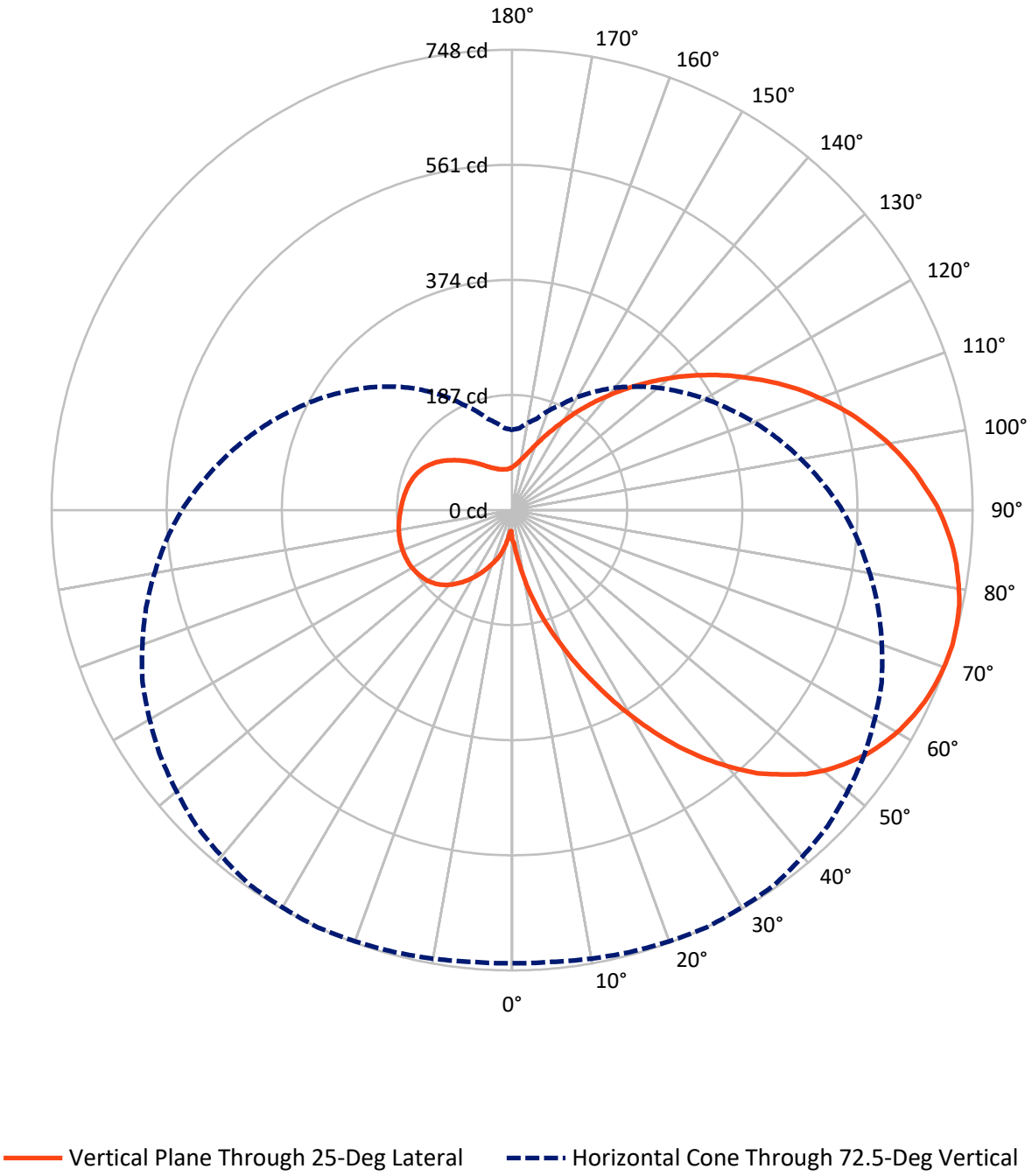
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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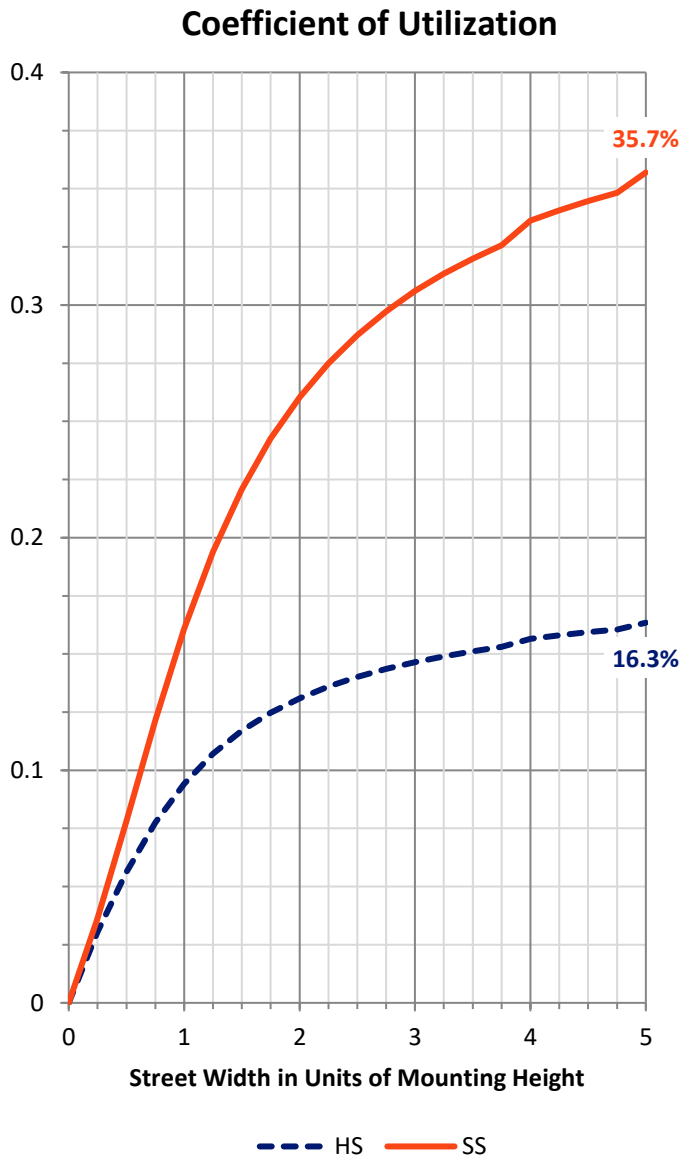
REPORT NUMBER: P1223894
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.6	611.9	1411.4
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	1808.4	1218.0	3026.3
	% Fixture	40.7	27.4	68.2
Total	Lumens	2607.9	1829.8	4437.8
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	37.7	0.8
20°-30°	102.6	2.3
30°-40°	203.4	4.6
40°-50°	317.5	7.2
50°-60°	416.1	9.4
60°-70°	485.6	10.9
70°-80°	521.1	11.7
80°-90°	517.6	11.7
90°-100°	480.2	10.8
100°-110°	418.2	9.4
110°-120°	338.4	7.6
120°-130°	249.1	5.6
130°-140°	164.7	3.7
140°-150°	97.4	2.2
150°-160°	51.2	1.2
160°-170°	23.7	0.5
170°-180°	6.8	0.2
0°-90°	2607.9	58.8
0°-180°	4437.8	100.0



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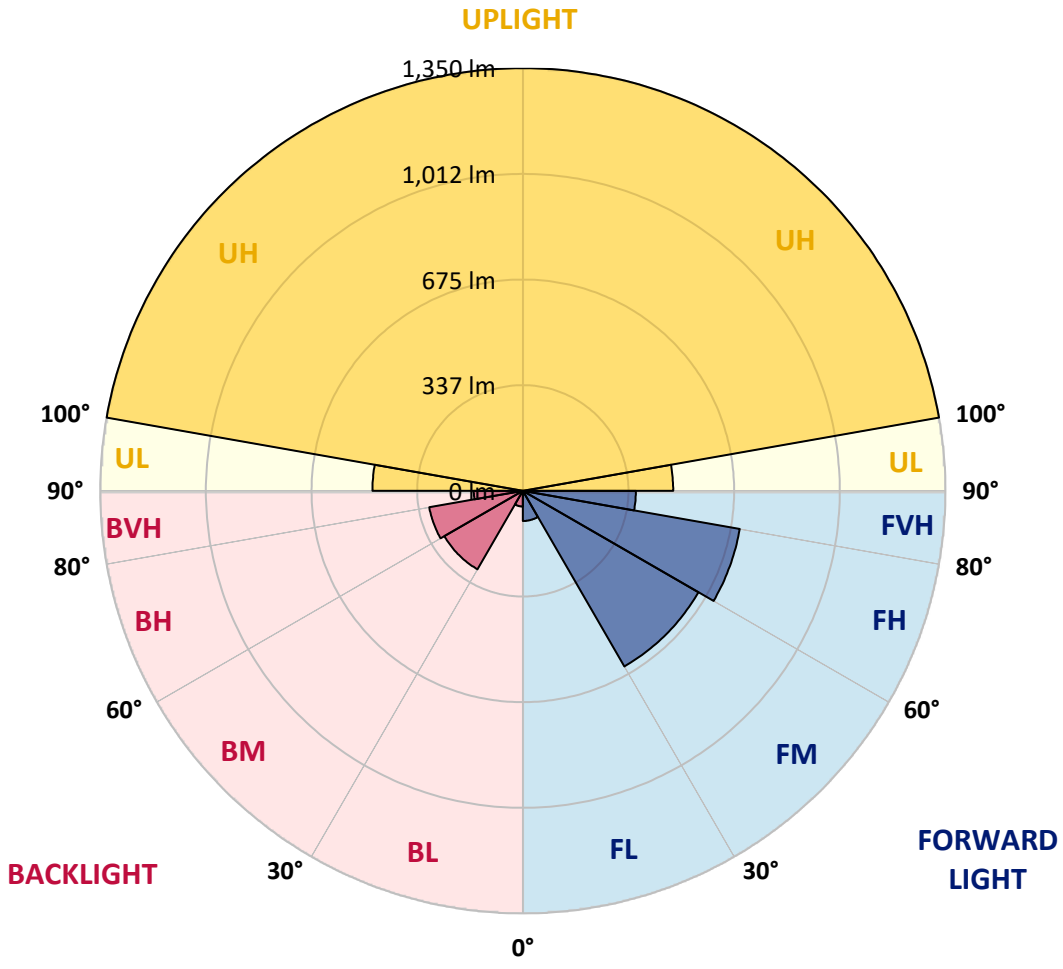
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	96.4	2.2			
FM	(30°-60°)	647.7	14.6			
FH	(60°-80°)	703.4	15.9			G1/1800
FVH	(80°-90°)	360.9	8.1			G3/500
BL	(0°-30°)	50.2	1.1	B0/110		
BM	(30°-60°)	289.3	6.5	B1/1000		
BH	(60°-80°)	303.3	6.8	B1/500		G1/500
BVH	(80°-90°)	156.8	3.5			G2/225
UL	(90°-100°)	480.2	10.8		U3/500	
UH	(100°-180°)	1349.6	30.4		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°	48.2	48.2	48.2	*48.2*	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	51.8	51.8	52.7	*53.0*	53.3	53.3	53.6	53.3	52.1	50.6	49.7
5°	70.7	70.1	69.8	*70.1*	70.1	68.9	67.1	63.8	61.4	57.5	56.0
7.5°	94.6	94.0	93.1	*92.2*	92.2	89.2	86.2	83.5	79.3	74.0	72.2
10°	122.5	121.3	120.1	*118.3*	116.2	113.5	109.6	105.1	99.4	93.7	90.1
12.5°	149.7	149.4	148.8	*146.1*	142.2	139.8	135.6	129.3	122.2	114.4	111.4
15°	181.1	179.7	178.8	*176.7*	174.3	169.5	162.6	156.6	148.2	137.4	133.8
17.5°	210.2	209.6	207.8	*207.2*	203.3	198.2	190.4	181.4	171.3	161.4	156.0
20°	241.9	243.4	241.3	*239.5*	232.6	227.6	220.4	211.7	199.4	185.3	179.7
22.5°	277.3	278.8	275.5	*275.5*	269.8	261.4	251.2	241.0	225.8	211.1	203.9
25°	318.3	318.9	313.8	*311.7*	307.5	299.1	286.8	274.9	257.2	238.6	230.3
27.5°	357.2	358.4	355.4	*352.7*	345.8	337.7	324.3	310.2	290.1	268.0	258.7
30°	401.2	398.8	397.6	*392.8*	385.7	377.3	362.3	346.7	323.7	297.6	286.2
32.5°	440.1	438.3	439.2	*435.4*	424.9	415.6	401.5	382.7	355.7	328.5	315.6
35°	480.3	481.2	480.0	*475.8*	469.5	457.2	438.0	416.8	389.8	357.8	344.0
37.5°	521.3	519.2	517.7	*514.1*	507.8	494.0	475.2	451.2	420.1	386.2	371.0
40°	556.6	558.1	556.3	*550.3*	544.6	529.4	508.7	481.5	449.4	413.2	395.5
42.5°	590.2	589.6	588.1	*584.8*	577.0	560.8	540.4	512.6	476.4	436.3	417.7
45°	617.1	617.7	617.7	*612.9*	605.7	591.1	567.7	539.3	500.6	458.4	438.9
47.5°	642.9	643.7	643.2	*641.1*	633.3	615.9	592.2	562.9	521.9	478.5	456.6
50°	665.6	665.6	665.3	*663.5*	656.0	639.3	615.0	583.6	541.0	495.2	473.7
52.5°	684.5	684.2	684.5	*682.4*	674.6	659.3	634.2	600.6	558.1	509.3	488.4
55°	699.4	698.5	700.6	*699.7*	692.9	675.8	649.1	616.5	572.5	522.8	500.6
57.5°	711.4	711.1	713.8	*712.9*	706.0	689.0	662.6	629.4	584.5	533.9	509.6
60°	721.3	720.7	724.3	*724.3*	717.4	700.3	674.3	639.3	594.0	542.5	518.0
62.5°	728.2	728.5	731.8	*733.0*	727.0	709.6	682.4	647.9	601.8	549.4	524.6
65°	733.0	733.6	737.5	*739.9*	733.9	716.8	688.7	654.2	608.1	555.1	529.7
67.5°	736.0	736.3	741.7	*744.1*	739.3	721.3	694.1	658.7	612.3	558.7	533.6
70°	737.2	737.5	743.5	*747.0*	742.3	724.0	696.4	661.1	615.0	561.1	535.7
72.5°	*736.3*	*736.9*	*743.2*	*747.9*	*743.2*	*725.2*	*697.3*	*662.3*	*615.6*	*563.8*	*536.3*
75°	733.3	733.9	741.1	*745.9*	742.3	723.7	695.8	661.1	614.7	561.4	535.4
77.5°	728.2	729.1	736.6	*742.6*	738.4	720.7	692.9	657.8	611.4	558.4	532.1
80°	720.7	721.0	729.4	*735.4*	732.4	714.7	686.9	652.1	606.0	553.3	527.6
82.5°	711.1	712.3	720.4	*727.0*	724.3	706.0	679.1	644.9	599.1	547.0	521.0
85°	700.9	702.1	709.6	*716.8*	713.5	696.4	669.5	635.7	589.9	538.4	513.5
87.5°	688.7	689.6	696.7	*704.2*	701.2	684.2	658.1	624.9	580.3	530.3	504.8
90°	675.2	676.1	683.0	*690.2*	686.3	670.1	644.6	612.0	568.6	519.5	494.9
92.5°	660.8	661.1	668.9	*672.8*	670.7	656.3	631.2	599.7	556.3	508.4	485.4
95°	644.6	644.6	652.1	*656.3*	652.7	639.3	615.6	584.2	541.9	497.0	473.4
97.5°	627.0	627.6	633.3	*637.5*	636.3	622.2	599.7	569.8	529.4	484.8	462.3
100°	608.7	608.7	613.8	*617.4*	614.7	603.3	582.1	554.5	513.5	471.6	449.7
102.5°	589.6	589.3	593.4	*596.1*	594.3	583.9	564.1	536.9	498.5	457.8	437.2
105°	568.3	567.4	571.6	*574.6*	572.8	563.5	546.7	520.4	483.3	444.3	424.6
107.5°	545.5	547.0	549.4	*551.2*	549.7	541.6	525.8	502.4	467.4	430.3	411.1
110°	524.0	524.9	525.2	*527.3*	527.0	520.4	506.9	483.6	450.3	415.3	396.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	502.1	501.8	502.1	*503.6*	503.6	497.0	484.2	463.8	433.6	399.4	382.4
115°	478.5	477.3	477.6	*477.9*	479.1	474.0	462.9	443.7	414.1	383.9	367.1
117.5°	453.9	453.6	453.0	*452.1*	452.1	450.0	440.4	423.4	395.2	365.3	351.2
120°	430.6	429.4	427.9	*427.0*	427.6	425.2	417.4	400.3	375.5	348.5	334.5
122.5°	403.6	404.5	403.6	*402.4*	402.7	400.3	393.7	379.4	354.5	328.8	316.2
125°	380.6	380.3	379.1	*377.3*	377.3	376.4	369.2	356.6	334.5	309.9	298.2
127.5°	354.8	355.1	353.9	*353.0*	353.6	351.8	347.0	332.7	313.2	291.3	280.0
130°	330.6	330.3	330.0	*328.2*	329.7	326.4	322.2	310.2	291.6	273.1	262.6
132.5°	307.8	306.0	304.8	*304.5*	304.2	303.9	298.8	288.3	272.8	254.2	244.0
135°	285.0	283.5	282.1	*281.5*	282.1	280.6	276.1	267.4	253.0	235.0	227.3
137.5°	261.7	261.1	261.1	*259.6*	259.6	258.4	254.5	247.3	233.8	218.3	210.5
140°	240.7	239.5	238.9	*238.0*	238.9	237.7	233.5	226.7	215.3	201.8	194.3
142.5°	219.2	218.0	218.9	*218.0*	217.1	216.5	212.9	207.5	197.6	185.3	179.1
145°	199.1	199.1	198.5	*198.8*	198.2	197.6	194.0	188.9	180.5	169.2	164.7
147.5°	180.2	180.8	180.2	*180.8*	180.8	178.5	176.1	171.9	164.1	155.1	150.3
150°	162.6	163.5	162.9	*162.6*	162.9	161.7	158.4	156.0	149.1	141.3	136.5
152.5°	147.6	148.2	148.2	*147.6*	147.3	146.7	143.4	140.1	134.7	128.7	125.5
155°	133.5	133.5	133.8	*134.1*	133.2	131.4	130.2	127.6	122.8	117.4	114.1
157.5°	121.9	121.6	121.9	*121.6*	121.3	119.5	117.7	115.6	111.7	106.9	105.1
160°	110.8	110.8	111.1	*110.8*	109.6	108.7	107.2	105.4	102.1	98.8	96.4
162.5°	101.8	101.8	101.8	*101.5*	100.3	100.0	98.2	96.4	93.7	91.0	89.2
165°	94.0	94.0	93.7	*93.7*	93.1	92.2	90.7	89.2	86.8	84.7	83.5
167.5°	87.7	87.4	87.1	*86.8*	86.5	85.6	84.1	83.2	81.4	79.6	78.7
170°	82.3	82.3	82.0	*82.0*	81.4	80.5	79.6	78.4	77.2	75.5	74.9
172.5°	77.5	77.5	77.5	*77.5*	76.7	76.4	75.5	74.6	73.7	72.5	71.9
175°	74.0	74.0	74.0	*74.0*	73.4	72.8	72.5	71.6	71.0	70.1	69.8
177.5°	71.3	71.3	71.3	*71.3*	71.0	70.4	70.1	69.5	68.9	68.6	68.3
180°	68.9	68.9	68.9	*68.9*	68.9	68.9	68.9	68.9	68.9	68.9	68.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	48.8	47.0	44.6	41.9	39.8	37.1	34.4	32.9	32.0	31.4
5°	54.5	50.6	47.0	43.1	40.1	37.4	34.4	32.0	30.8	30.5
7.5°	69.5	64.1	58.7	53.9	49.7	45.5	42.5	40.1	38.6	38.6
10°	87.4	79.9	73.7	67.4	61.7	56.6	52.4	50.0	48.2	47.6
12.5°	107.8	98.8	90.1	82.9	74.6	68.9	63.8	60.5	58.4	58.1
15°	129.0	119.8	108.7	98.8	89.5	80.5	74.6	69.8	68.0	68.0
17.5°	149.4	137.4	125.2	113.2	101.8	91.3	82.9	77.5	74.9	74.3
20°	171.3	156.9	141.0	127.0	112.9	100.6	90.7	83.8	80.2	79.9
22.5°	193.7	177.0	159.9	141.3	125.2	110.5	98.8	90.7	86.2	85.6
25°	219.5	199.1	178.8	158.4	138.9	121.6	107.8	97.9	92.8	92.2
27.5°	247.9	222.5	198.2	174.9	152.1	132.9	116.5	105.1	98.8	98.5
30°	274.0	245.8	218.3	191.3	166.5	143.4	125.2	112.0	105.1	104.2
32.5°	300.0	268.9	237.7	208.1	179.4	154.5	133.8	118.6	110.5	109.9
35°	327.0	291.6	257.8	223.7	193.7	165.6	141.9	125.2	116.5	115.3
37.5°	352.1	314.1	277.0	240.7	206.3	175.8	149.7	131.4	121.6	120.1
40°	375.2	334.2	294.3	255.4	218.3	185.3	157.2	136.8	125.8	124.6
42.5°	396.4	353.0	310.2	268.3	229.4	193.7	163.5	141.3	129.0	127.9
45°	416.5	370.7	324.9	280.3	238.9	201.5	169.5	145.5	132.3	130.5
47.5°	433.6	385.7	336.5	290.4	247.6	208.1	174.0	148.5	134.7	132.9
50°	448.8	398.2	347.6	300.3	255.1	214.1	178.2	150.9	135.9	134.1
52.5°	461.1	409.9	357.2	308.1	262.0	218.9	181.1	153.0	137.1	135.3
55°	473.1	419.5	365.6	315.0	267.1	223.4	183.5	154.2	137.7	135.6
57.5°	483.0	427.6	372.5	320.4	272.2	226.4	185.6	154.8	137.7	135.3
60°	490.1	433.9	377.9	324.9	275.5	229.1	187.1	155.1	137.4	135.0
62.5°	496.4	438.9	381.8	328.8	278.8	231.2	188.6	155.4	136.8	134.4
65°	501.2	443.1	385.1	331.2	280.9	232.9	188.9	155.1	135.9	133.5
67.5°	505.1	445.8	387.1	333.3	282.4	233.8	189.5	154.8	135.3	132.6
70°	506.6	447.0	388.3	334.2	283.2	234.4	189.5	154.2	134.1	131.4
72.5°	*506.3*	*447.0*	*388.6*	*334.5*	*283.5*	*234.7*	*189.2*	*153.3*	*133.2*	*130.5*
75°	505.4	446.1	388.0	334.2	283.2	234.4	188.9	152.7	132.3	129.9
77.5°	503.0	443.7	386.0	333.0	282.7	233.5	188.0	152.1	131.7	128.7
80°	498.8	440.1	383.0	330.3	280.6	232.6	187.1	150.9	130.5	128.2
82.5°	492.8	435.7	379.4	327.9	278.8	230.9	185.9	150.3	129.9	127.6
85°	486.0	430.0	374.6	324.3	276.1	229.1	184.4	149.1	129.3	127.0
87.5°	477.6	422.5	369.8	320.1	272.8	226.7	182.9	148.2	129.0	126.7
90°	468.9	415.6	363.8	316.2	270.1	224.3	181.4	147.6	128.7	126.7
92.5°	459.3	408.1	358.1	311.1	266.5	221.9	180.0	147.0	128.7	126.7
95°	449.7	400.3	352.4	306.6	262.9	219.5	178.5	146.7	129.3	127.3
97.5°	438.3	391.3	345.5	301.8	258.7	216.8	177.3	146.4	129.6	127.9
100°	427.6	382.4	338.3	296.4	254.8	213.8	175.5	146.1	130.2	128.2
102.5°	415.9	373.7	331.2	290.7	250.6	210.5	174.0	145.8	130.8	129.0
105°	404.2	363.2	323.4	284.1	245.5	207.2	172.2	145.5	131.1	129.3
107.5°	391.3	353.3	314.7	277.9	240.4	203.6	169.8	144.9	131.4	129.6
110°	378.2	341.6	305.7	270.7	234.4	199.1	167.4	143.4	131.1	129.6

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

Scaled Data Report

REPORT NUMBER: P1223894
CATALOG NUMBER: FFX-CLB-30-727-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	365.6	330.6	295.8	262.6	228.2	194.6	164.1	141.9	130.2	129.0
115°	350.0	318.0	285.3	253.9	221.0	188.9	160.5	139.8	129.0	127.6
117.5°	335.6	304.8	274.3	244.6	213.5	183.2	156.3	137.1	127.0	125.8
120°	319.5	290.7	262.3	234.1	205.1	176.7	151.2	133.8	124.3	123.4
122.5°	303.6	277.0	250.0	223.4	196.1	169.2	146.1	129.6	121.3	120.4
125°	286.8	262.3	237.1	212.0	186.2	161.4	140.1	124.9	117.4	116.5
127.5°	269.8	247.0	223.4	200.0	176.7	153.6	133.8	120.1	112.9	112.6
130°	251.8	231.5	209.9	188.3	166.8	145.5	127.3	115.0	108.4	107.8
132.5°	235.6	216.8	196.7	176.4	156.0	137.4	121.0	109.6	103.9	103.3
135°	219.8	200.9	183.5	165.6	146.7	129.3	114.7	104.5	99.4	98.8
137.5°	203.6	187.1	171.0	154.2	137.1	121.6	108.7	99.7	95.2	94.6
140°	187.4	173.7	159.0	143.1	128.5	114.4	102.7	95.2	91.0	90.4
142.5°	172.8	159.6	146.4	132.6	119.5	107.5	97.3	90.1	86.5	86.2
145°	158.4	147.0	135.0	122.8	111.4	101.5	92.2	86.2	83.2	82.9
147.5°	145.5	135.3	124.6	114.1	104.2	94.9	87.4	82.3	79.3	79.0
150°	132.6	123.7	114.7	105.7	97.3	89.5	82.9	78.7	76.7	76.1
152.5°	121.3	114.1	106.0	98.5	91.0	84.4	79.3	75.5	73.7	73.4
155°	111.1	105.1	98.5	91.9	85.9	80.5	76.1	73.1	71.6	71.6
157.5°	102.4	97.3	91.9	86.5	81.7	77.2	73.7	71.3	70.1	69.8
160°	94.6	90.1	85.9	82.0	77.5	74.3	71.6	69.5	68.6	68.3
162.5°	87.4	84.4	81.1	77.8	74.6	71.9	69.8	68.3	67.7	67.7
165°	82.3	79.6	77.0	74.6	72.2	70.4	68.6	67.7	67.1	66.8
167.5°	77.8	75.8	74.0	72.2	70.4	68.9	67.7	67.1	66.5	66.5
170°	74.3	72.8	71.6	70.4	69.2	68.0	67.4	66.8	66.5	66.5
172.5°	71.3	70.4	69.5	68.9	68.0	67.4	66.8	66.5	66.5	66.5
175°	69.5	68.9	68.3	68.0	67.7	67.4	67.1	66.8	66.8	66.8
177.5°	68.3	68.0	68.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7
180°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9

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

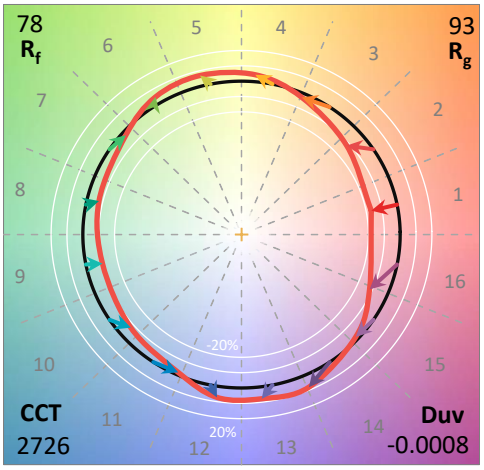
Test Information

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

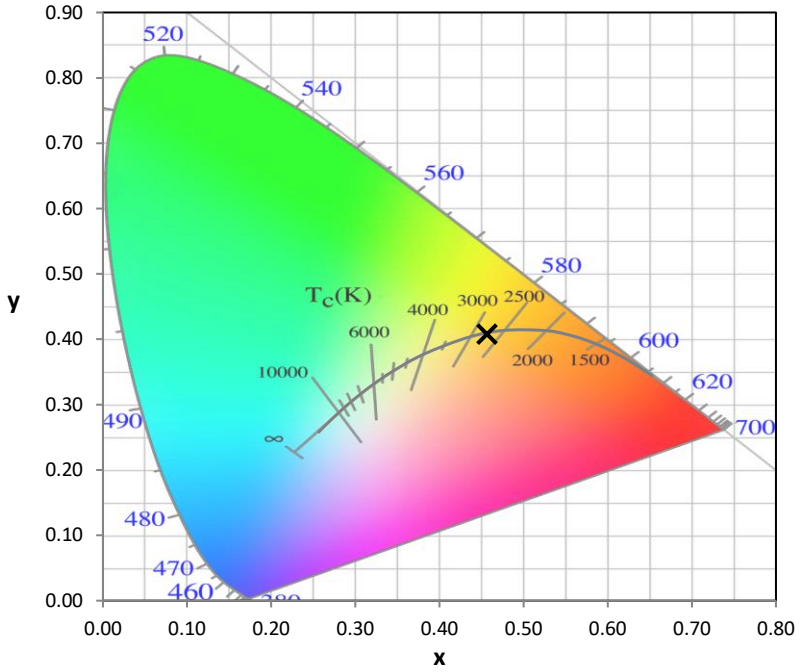
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

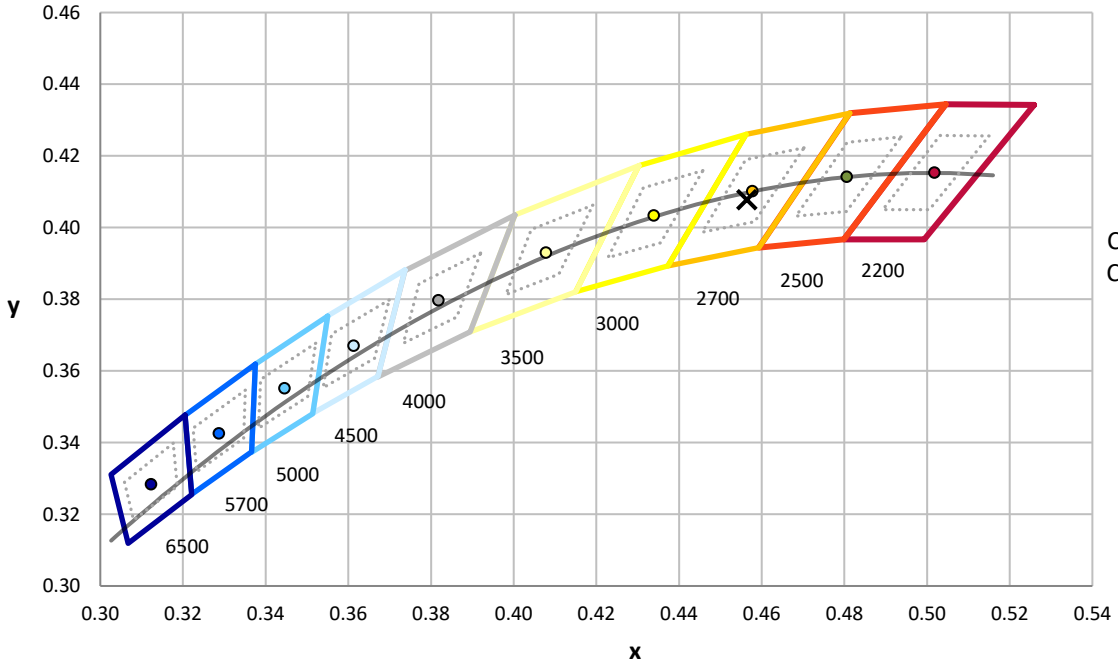
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

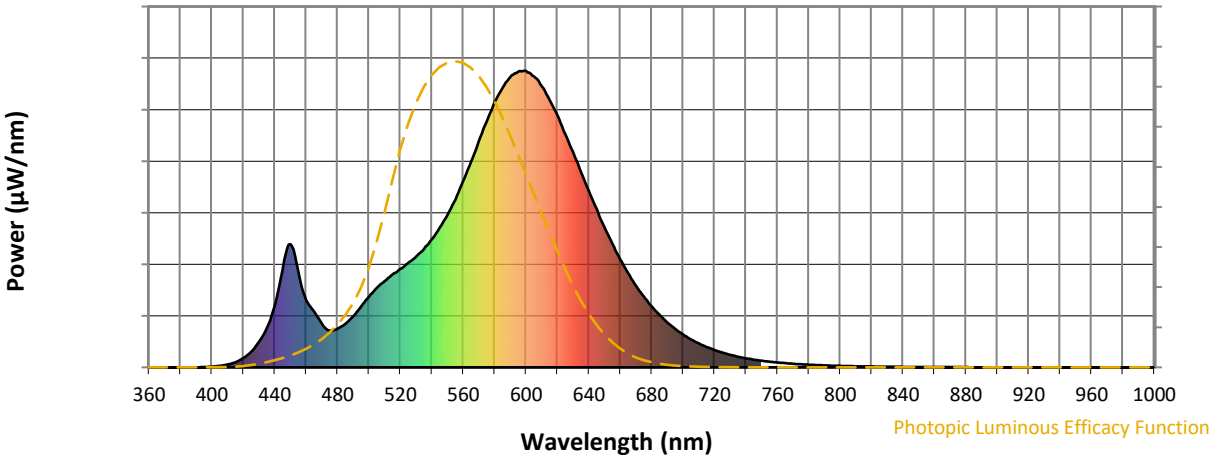


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

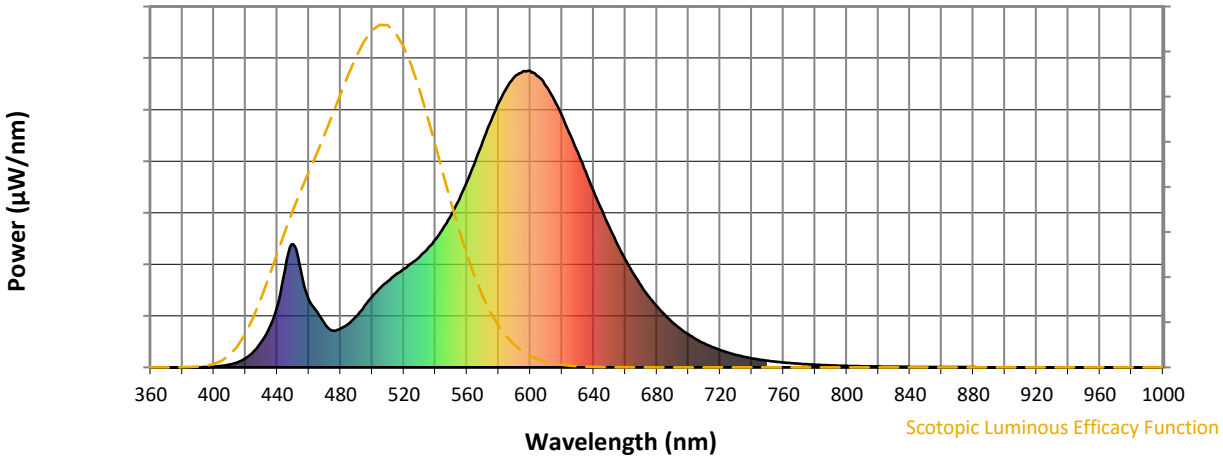


Photopic Lumens: NR

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

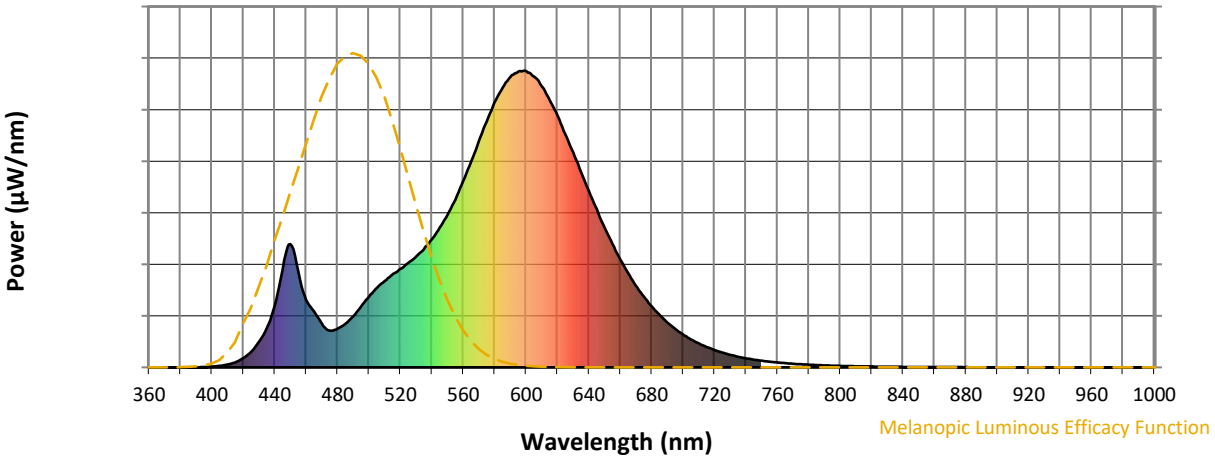


Scotopic Lumens: NR **S/P: 1.16**

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			

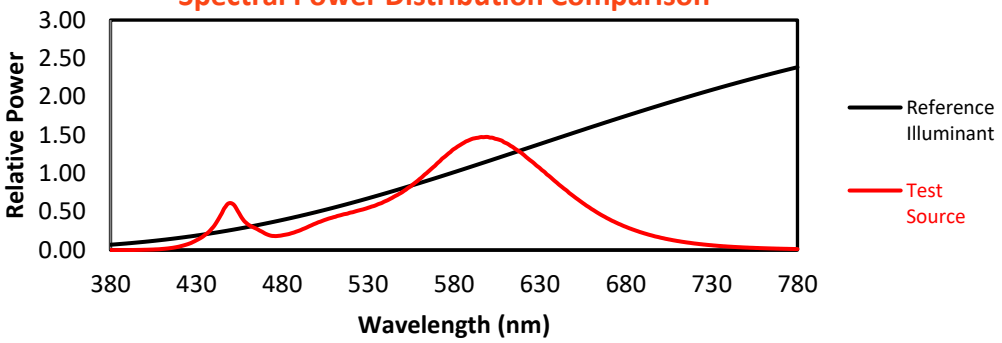
REPORT NUMBER: SP1-2501-332-3

TM-30-18

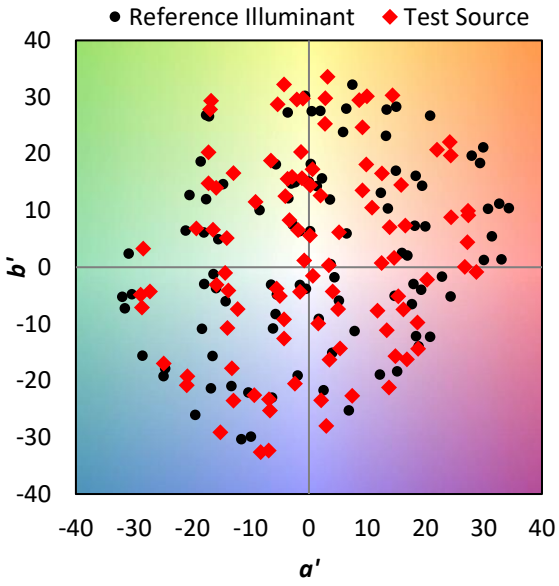
Summary

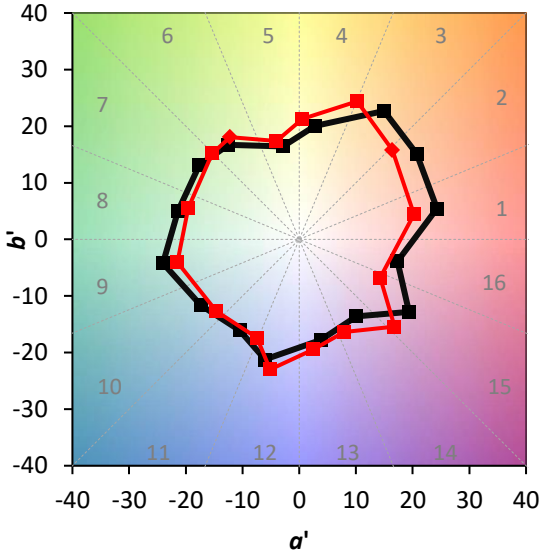
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

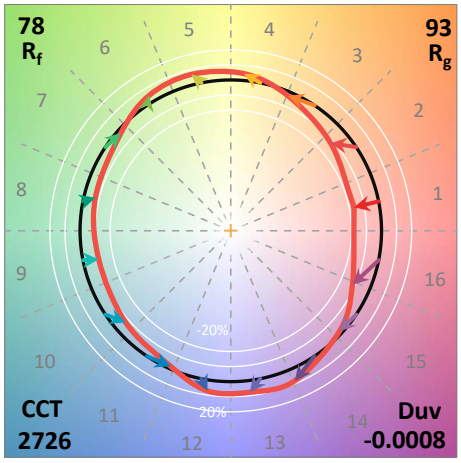
Spectral Power Distribution Comparison

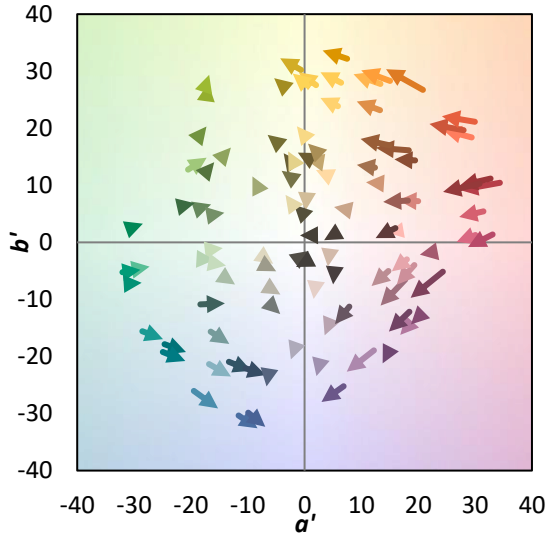


Color Vector Graphics







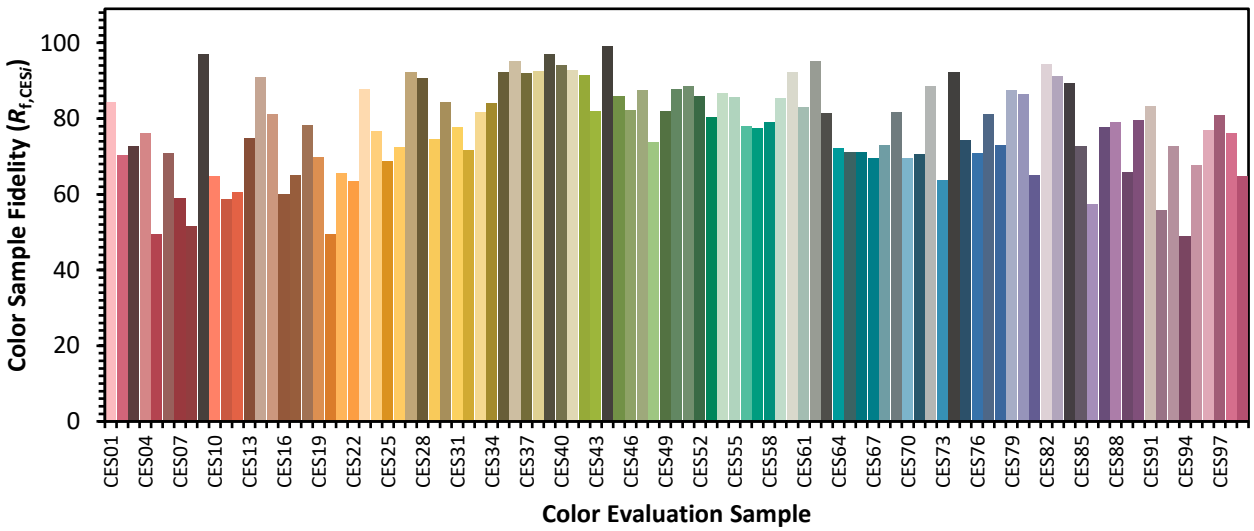


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

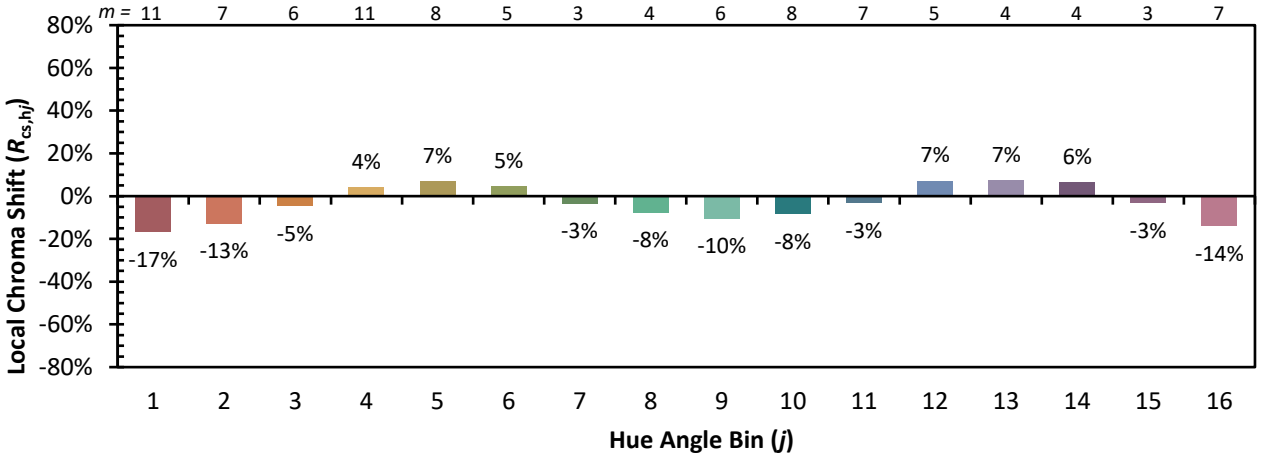
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

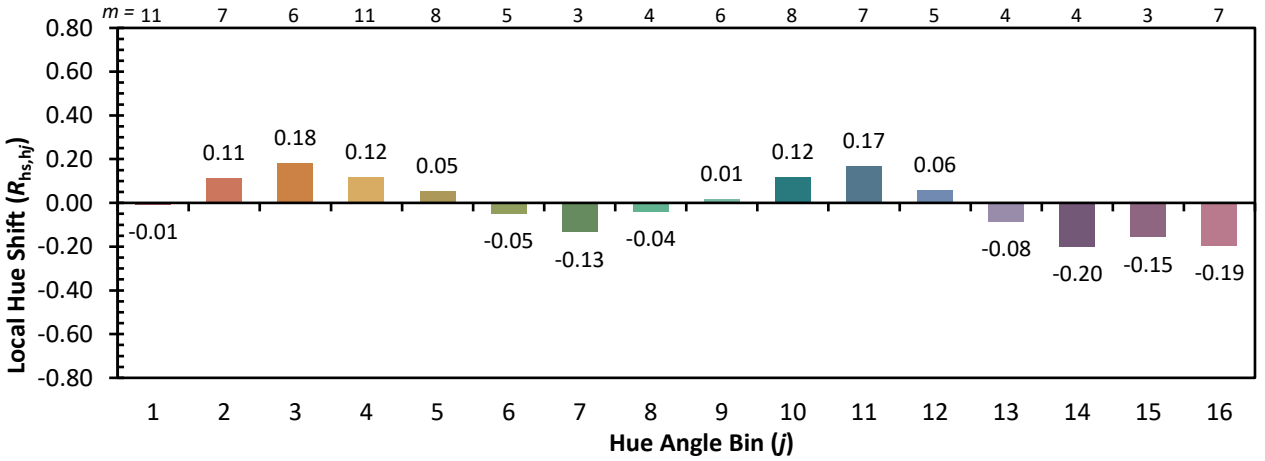


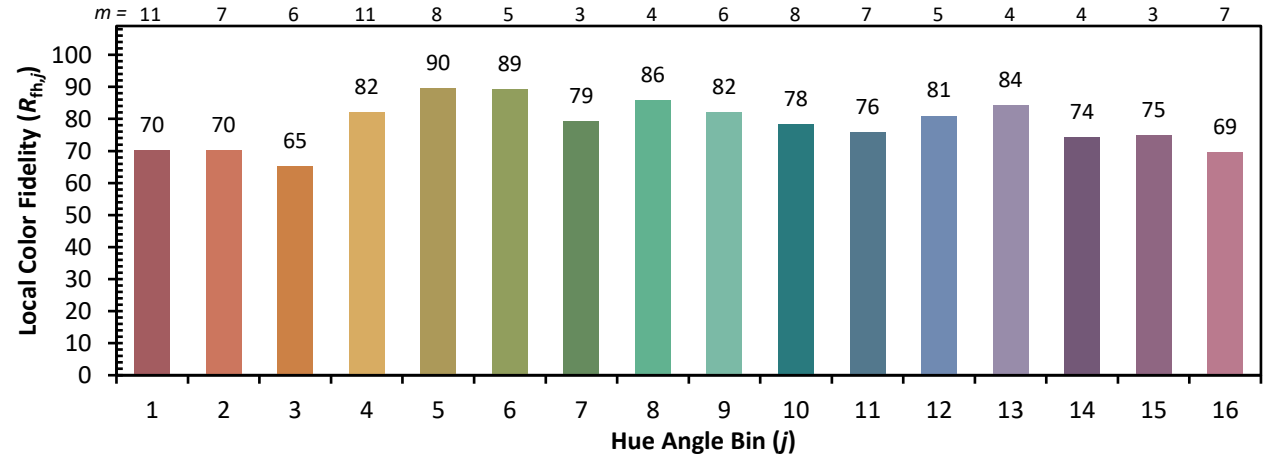
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



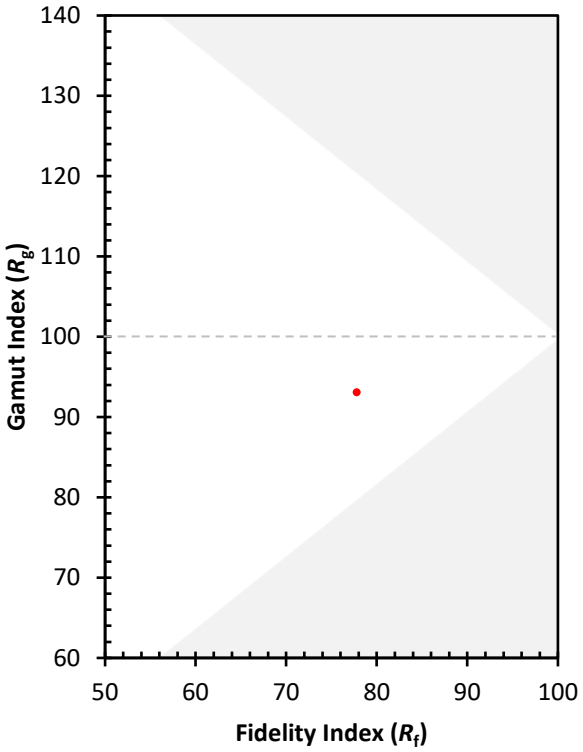


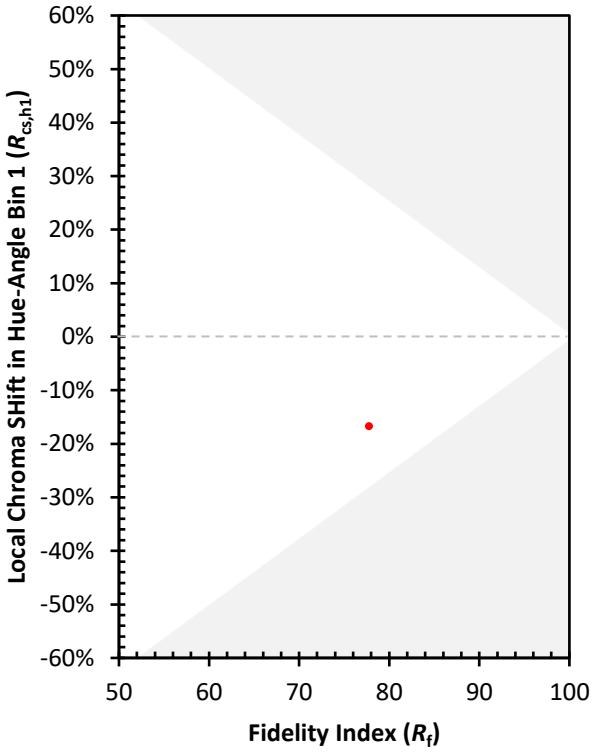


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Measure Comparisons





(END OF REPORT)