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: P1224029

Luminaire Tested: **FFX-CLB-30-727-U-VM8-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:	P1224029
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-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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:	4083.1 lumens
Efficiency:	N/A
Efficacy:	133.4 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

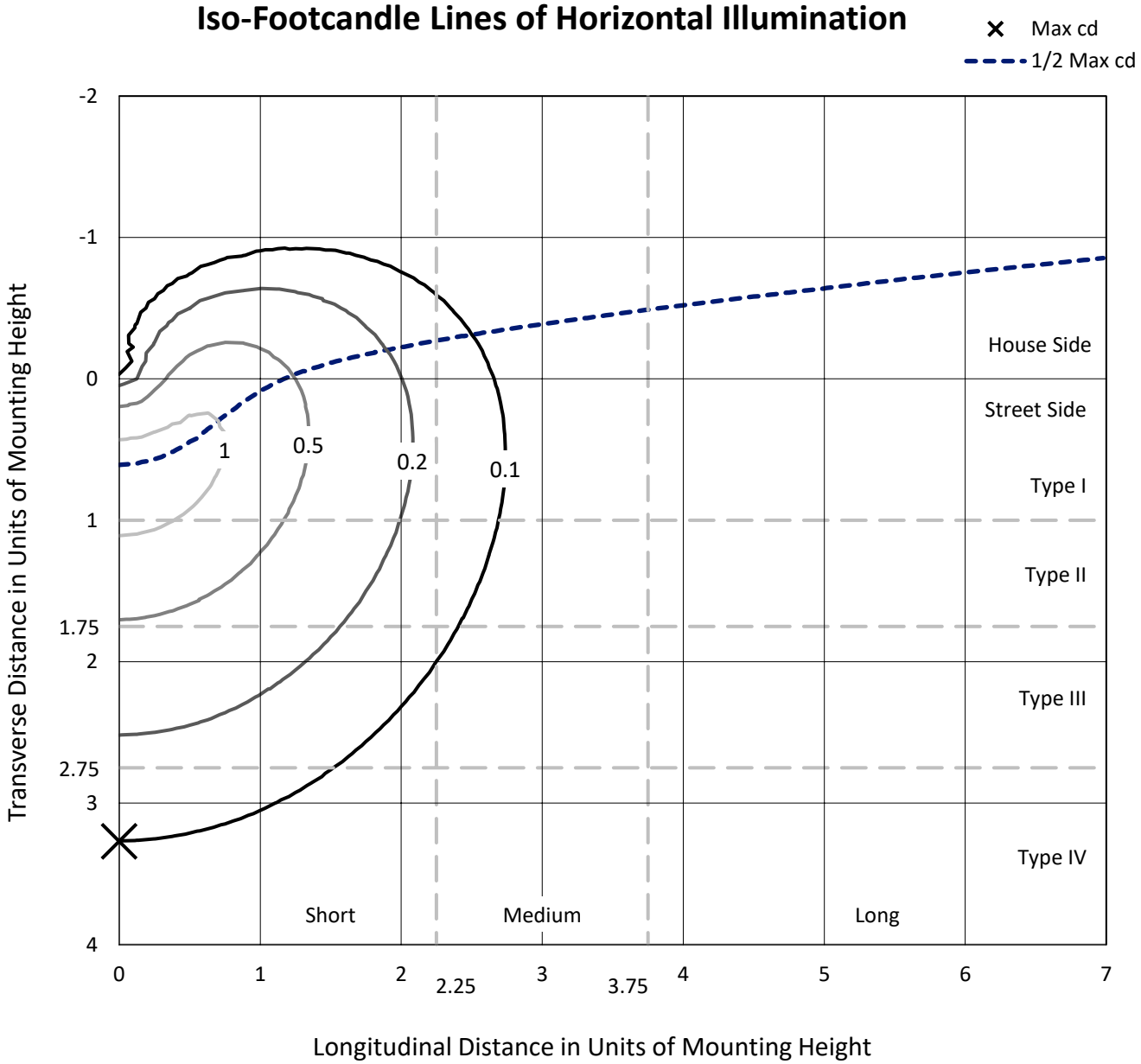


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Iso-Footcandle Lines of Horizontal Illumination



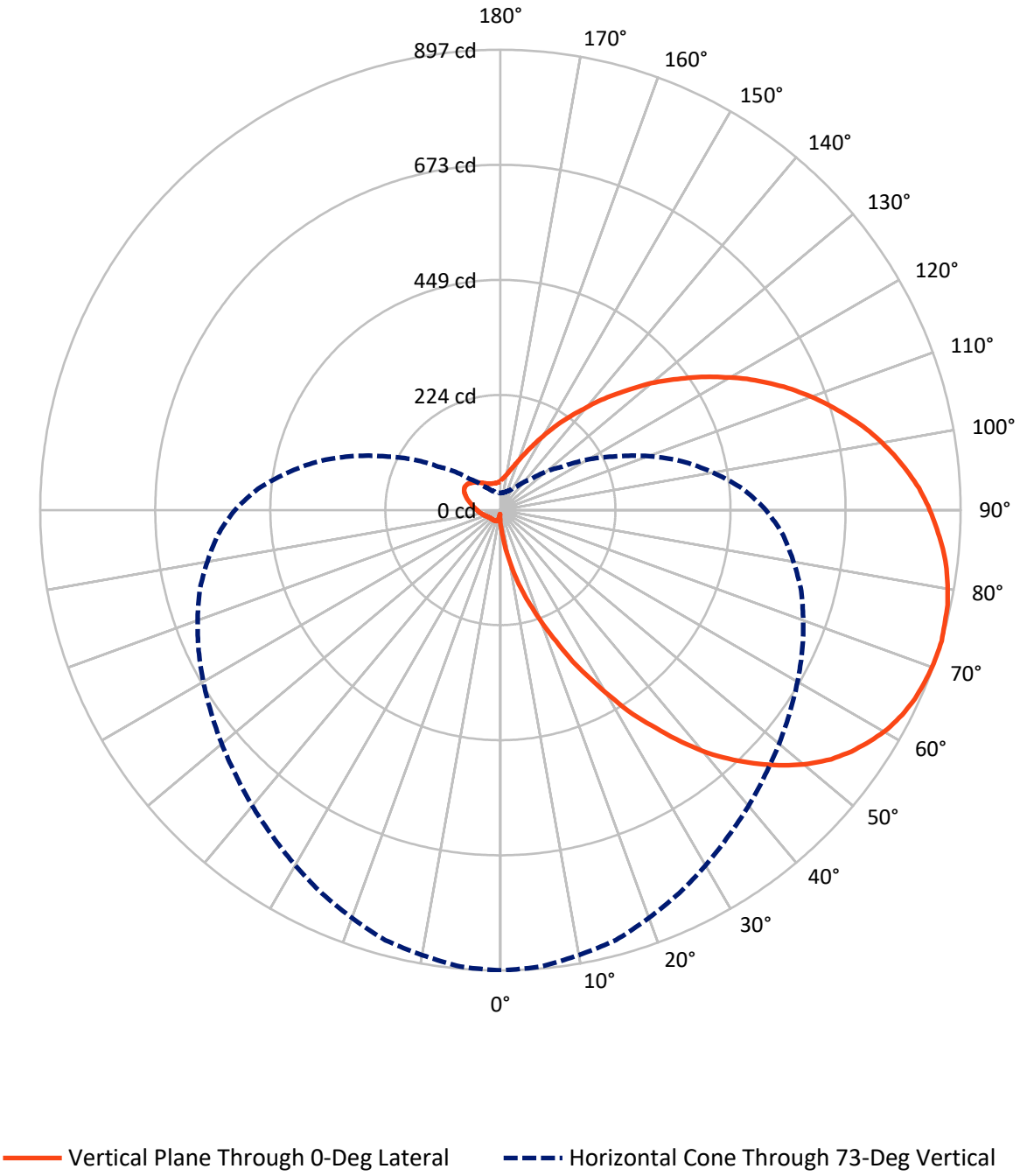
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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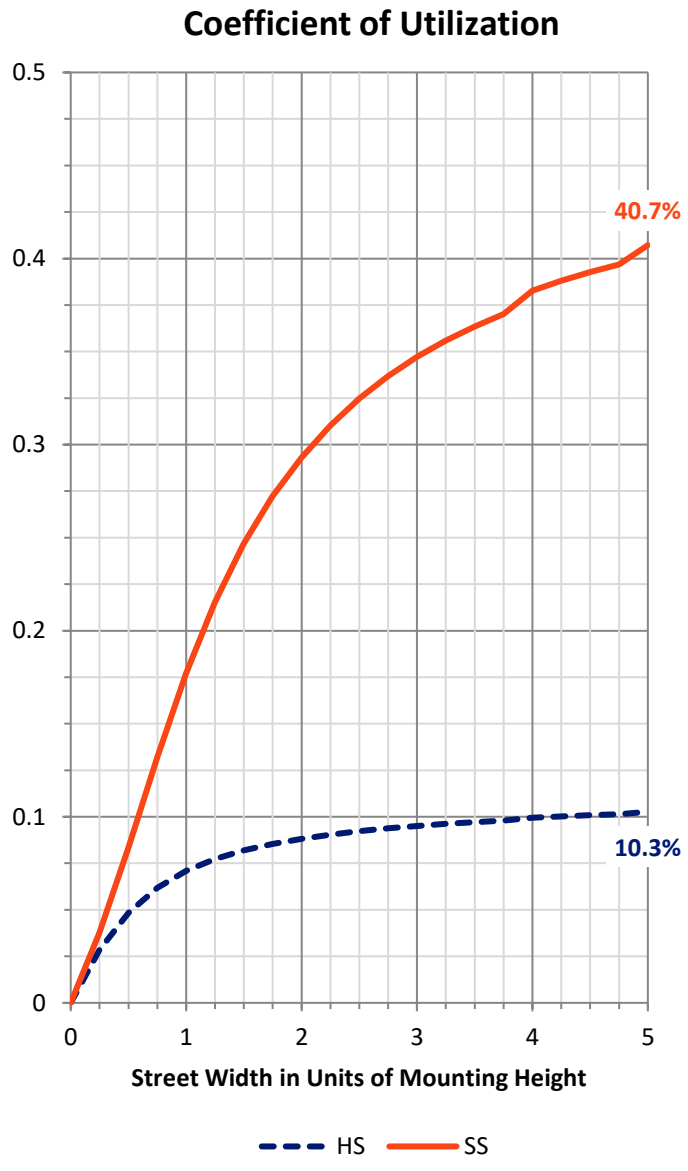
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.3	444.4	896.7
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	1906.8	1279.6	3186.4
	% Fixture	46.7	31.3	78.0
Total	Lumens	2359.1	1724.0	4083.1
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	28.9	0.7
20°-30°	87.4	2.1
30°-40°	182.1	4.5
40°-50°	288.6	7.1
50°-60°	379.1	9.3
60°-70°	441.7	10.8
70°-80°	473.4	11.6
80°-90°	473.8	11.6
90°-100°	444.3	10.9
100°-110°	390.8	9.6
110°-120°	322.7	7.9
120°-130°	242.9	5.9
130°-140°	160.3	3.9
140°-150°	91.9	2.3
150°-160°	45.6	1.1
160°-170°	19.9	0.5
170°-180°	5.6	0.1
0°-90°	2359.1	57.8
0°-180°	4083.1	100.0



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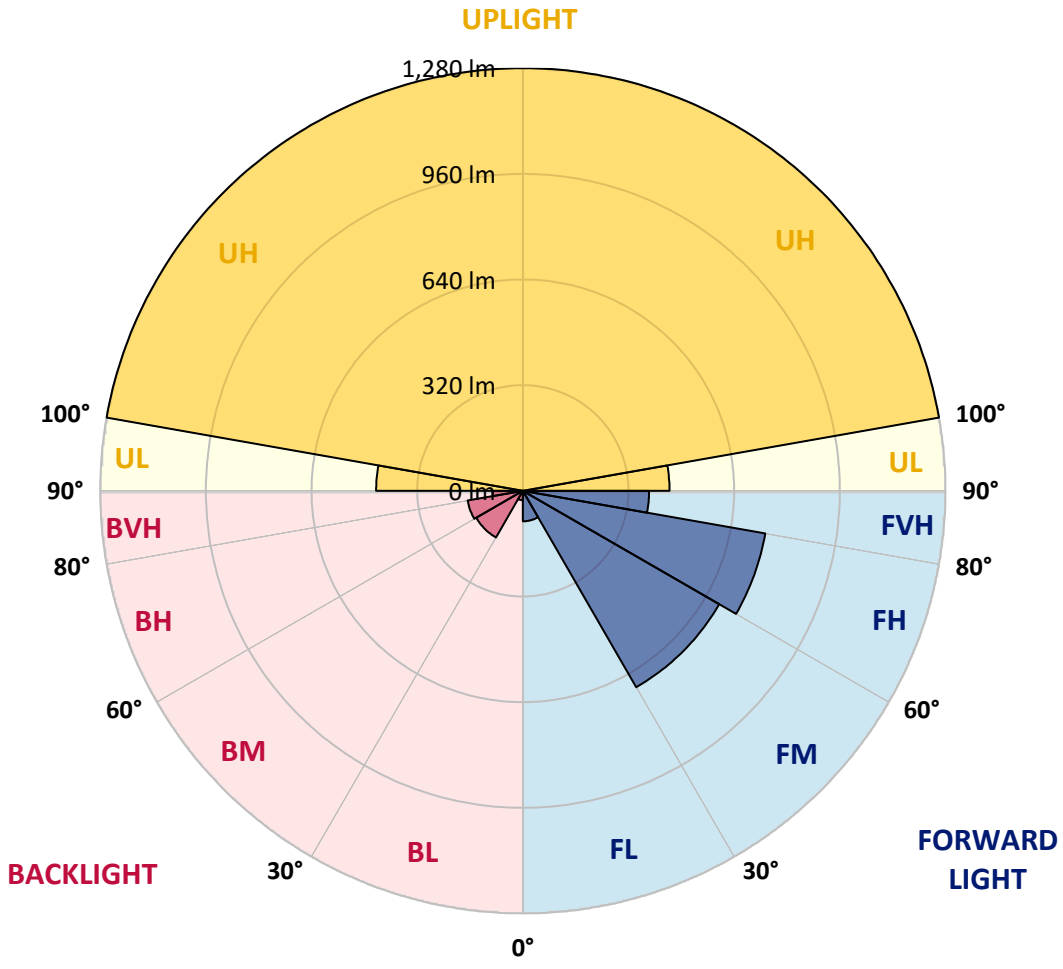
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	92.3	2.3			
FM	(30°-60°)	686.8	16.8			
FH	(60°-80°)	745.4	18.3			G1/1800
FVH	(80°-90°)	382.3	9.4			G3/500
BL	(0°-30°)	28.2	0.7	B0/110		
BM	(30°-60°)	163.0	4.0	B0/220		
BH	(60°-80°)	169.6	4.2	B1/500		G1/500
BVH	(80°-90°)	91.5	2.2			G1/100
UL	(90°-100°)	444.3	10.9		U3/500	
UH	(100°-180°)	1279.8	31.3		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°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
2.5°	36.8	37.1	36.8	37.4	36.0	36.0	34.9	33.8	32.4	30.7	29.6
5°	54.7	54.4	54.4	54.7	53.9	51.3	48.6	44.7	41.3	37.7	35.7
7.5°	78.7	77.6	76.5	76.2	73.4	69.8	65.9	61.4	56.7	51.6	48.0
10°	103.8	104.7	103.5	100.5	97.1	92.9	87.9	81.8	75.6	68.7	64.5
12.5°	136.2	134.0	131.2	128.1	124.7	120.8	112.7	105.8	97.1	88.5	82.9
15°	167.7	165.8	165.8	161.9	156.6	150.7	143.2	134.5	122.5	108.8	103.8
17.5°	200.1	200.4	197.6	193.1	188.4	180.8	172.7	160.5	148.2	134.0	125.3
20°	238.0	236.9	235.0	231.6	223.3	216.6	206.5	192.8	176.1	158.8	148.2
22.5°	277.4	278.0	278.0	272.6	264.8	255.6	244.2	228.6	208.7	186.4	173.6
25°	326.5	326.2	320.9	314.8	308.6	299.2	284.6	265.7	243.9	217.1	202.0
27.5°	371.2	370.9	369.8	364.2	355.0	342.7	325.7	305.0	280.2	248.1	230.2
30°	420.8	421.9	418.9	414.1	402.1	389.6	369.8	345.5	316.2	281.6	261.5
32.5°	474.7	472.5	469.9	463.8	450.7	433.1	410.8	385.7	353.6	314.0	291.9
35°	521.3	525.5	521.6	512.1	495.9	477.2	452.6	424.5	389.6	347.2	322.0
37.5°	573.8	572.9	567.1	557.9	542.2	518.5	492.6	459.9	420.8	376.7	348.8
40°	622.6	619.2	615.9	602.2	582.4	558.7	526.6	493.4	453.2	403.5	375.3
42.5°	665.9	665.6	656.6	643.0	618.1	591.9	558.7	521.6	479.7	428.4	396.6
45°	705.8	704.9	696.3	675.9	652.5	620.9	586.3	547.8	503.7	449.6	419.2
47.5°	743.4	741.2	729.2	708.6	679.0	645.8	610.0	569.6	524.1	468.6	436.7
50°	777.8	775.8	761.9	735.6	704.1	668.6	629.6	587.7	543.3	487.5	453.2
52.5°	807.1	803.7	787.5	759.3	723.3	685.9	645.2	603.3	558.4	500.9	467.7
55°	830.5	826.9	809.6	778.0	740.4	699.9	658.6	617.0	570.1	512.9	478.9
57.5°	850.0	847.2	828.3	793.7	753.5	711.9	670.0	627.6	581.0	524.1	488.6
60°	867.1	863.7	842.2	806.5	764.1	721.1	678.4	636.0	590.2	532.7	497.6
62.5°	879.1	876.5	853.9	815.7	771.6	728.1	684.0	643.0	597.2	540.6	504.3
65°	887.7	884.6	861.8	821.3	776.4	731.4	688.2	646.0	601.7	545.3	509.3
67.5°	892.7	890.5	866.5	825.2	778.3	733.1	690.1	649.1	605.3	549.2	513.2
70°	896.1	892.7	868.5	826.0	777.8	732.8	690.1	649.4	607.2	552.0	515.4
72.5°	896.9	893.3	868.2	824.6	776.1	730.0	688.7	649.7	607.8	553.4	517.7
73°	897.2	893.3	867.9	824.1	775.2	729.8	688.5	649.1	607.2	553.1	517.7
75°	894.1	891.6	865.7	820.7	772.5	727.0	686.5	647.7	607.2	553.4	517.4
77.5°	891.1	887.2	860.1	816.0	766.0	721.9	682.3	644.9	605.3	552.8	517.1
80°	883.8	879.9	852.8	807.1	757.9	714.7	676.5	640.5	601.7	549.8	514.9
82.5°	875.4	871.0	842.8	796.7	748.2	705.5	668.9	634.6	596.9	546.1	511.5
85°	863.2	859.8	831.1	784.2	737.0	696.0	660.3	627.6	590.8	540.6	506.5
87.5°	848.9	846.1	816.3	769.9	722.8	683.7	650.2	618.4	583.8	534.4	500.9
90°	834.1	830.8	800.9	753.8	708.8	670.3	638.5	608.6	575.2	526.9	493.7
92.5°	817.1	813.2	783.1	737.3	693.5	656.6	627.1	597.8	565.4	518.2	486.1
95°	796.5	792.8	763.0	717.2	674.2	640.7	612.0	584.9	553.9	507.9	476.9
97.5°	774.4	771.1	740.9	697.1	655.5	622.6	595.8	571.2	541.7	497.9	466.6
100°	750.7	746.2	716.4	674.2	633.2	603.3	579.3	557.3	528.3	485.3	455.4
102.5°	725.6	721.4	692.9	651.6	613.1	584.1	562.3	540.8	514.3	473.9	444.6
105°	697.1	694.9	666.1	626.2	590.2	563.4	543.1	524.4	499.3	459.9	433.1
107.5°	668.9	664.5	637.7	599.4	565.7	541.4	523.8	506.5	483.6	445.9	420.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*639.1*	634.6	610.6	574.0	542.8	519.6	503.4	488.1	467.4	432.3	408.3
112.5°	*608.9*	603.9	580.2	546.7	516.3	497.3	482.5	469.7	451.0	418.6	394.9
115°	*576.3*	574.3	551.2	519.1	492.3	474.4	461.6	449.9	432.3	403.8	382.0
117.5°	*544.2*	540.6	520.5	490.9	466.0	449.3	439.5	429.2	413.3	386.5	367.5
120°	*509.6*	508.7	489.5	461.9	438.7	425.6	416.1	407.4	393.5	369.2	351.3
122.5°	*476.9*	475.3	456.8	432.0	412.7	400.5	392.9	385.4	373.4	350.8	334.0
125°	*442.3*	440.4	425.9	405.5	387.1	375.3	368.1	362.2	351.3	331.0	315.3
127.5°	*410.2*	408.3	395.2	375.6	361.1	350.5	343.8	338.5	327.6	310.0	296.4
130°	*378.4*	375.1	363.6	348.0	333.5	326.2	319.5	315.6	304.5	288.0	276.0
132.5°	*344.4*	342.7	334.6	320.1	308.4	300.8	295.0	290.0	281.3	266.2	255.3
135°	*314.2*	312.6	305.0	292.7	284.6	277.7	272.4	267.1	258.1	243.6	234.4
137.5°	*285.5*	284.1	277.4	269.0	258.7	254.5	250.9	244.5	236.6	223.5	215.2
140°	*255.3*	255.9	250.6	243.1	236.6	231.6	228.0	222.7	214.9	203.7	195.3
142.5°	*230.5*	231.3	224.9	219.6	213.8	209.9	206.2	201.8	194.2	184.2	177.8
145°	*207.1*	205.1	202.6	197.6	192.0	189.5	185.9	182.0	176.1	166.0	160.7
147.5°	*183.3*	182.8	180.3	176.9	172.5	168.6	165.8	163.5	157.7	149.3	144.6
150°	*161.9*	161.3	159.9	157.4	153.5	151.0	148.7	145.7	140.1	133.7	129.5
152.5°	*142.9*	142.9	142.0	138.7	137.0	134.2	131.4	129.8	124.2	118.9	115.3
155°	*126.4*	126.4	125.3	123.6	120.6	118.9	117.2	114.7	110.8	106.6	103.3
157.5°	*112.2*	112.5	111.1	109.7	107.4	106.0	104.4	101.9	99.3	95.4	92.9
160°	*99.6*	99.9	99.3	98.2	96.0	94.6	93.2	91.3	89.0	86.0	83.7
162.5°	*89.6*	89.3	88.7	87.6	86.2	85.4	83.7	82.3	80.4	78.1	76.2
165°	*81.8*	80.9	80.7	79.8	78.4	77.6	76.2	75.1	73.7	71.4	70.6
167.5°	*74.8*	74.8	74.2	73.7	72.6	71.4	70.3	69.5	68.4	67.0	65.9
170°	*69.2*	69.2	68.7	68.1	67.0	66.4	65.6	64.7	63.9	62.8	62.2
172.5°	*64.7*	64.7	64.5	63.6	63.1	62.2	62.0	61.1	60.3	59.7	59.2
175°	*61.4*	61.4	60.8	60.3	59.7	59.2	58.6	58.3	58.0	57.5	57.2
177.5°	*58.9*	58.6	58.3	57.8	57.2	56.9	56.7	56.4	56.4	56.1	55.8
180°	*55.5*	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
2.5°	28.5	26.0	23.2	20.7	19.3	17.3	16.2	15.6	16.2	15.3
5°	33.8	29.3	24.8	21.5	17.9	15.1	12.6	10.0	8.4	8.1
7.5°	44.9	39.9	33.8	28.2	23.2	18.7	14.8	11.7	9.5	9.2
10°	59.4	51.9	44.1	36.3	29.0	23.2	18.4	15.1	14.0	13.7
12.5°	77.6	66.7	55.8	45.5	36.6	28.7	23.4	19.8	18.1	17.9
15°	96.6	82.9	68.9	55.5	43.5	34.0	27.3	23.4	21.5	21.2
17.5°	116.9	99.1	80.1	64.5	50.2	38.8	30.4	25.1	22.9	22.3
20°	137.6	115.3	93.5	73.1	55.8	41.9	32.1	26.0	23.2	22.6
22.5°	160.7	134.0	106.9	81.5	60.8	44.9	33.5	26.5	23.4	22.9
25°	187.0	152.9	120.8	91.3	66.4	47.7	34.9	27.3	23.7	23.2
27.5°	213.8	174.1	135.1	99.9	71.2	49.7	36.0	27.6	24.0	23.4
30°	240.8	195.3	149.6	108.3	75.3	51.9	36.6	27.9	24.0	23.7
32.5°	269.0	215.2	163.5	116.1	79.0	53.3	37.1	28.2	24.3	23.7
35°	294.4	236.1	176.6	123.6	82.3	54.4	37.4	28.2	24.3	23.7
37.5°	318.7	254.0	188.6	129.8	84.8	55.3	37.7	28.2	24.3	23.7
40°	344.1	272.9	199.5	135.3	86.8	55.8	37.7	28.2	24.3	24.0
42.5°	364.7	288.8	208.7	139.3	88.2	55.8	37.7	28.2	24.6	24.0
45°	383.4	302.0	217.7	142.9	89.0	55.8	37.4	28.5	24.6	24.3
47.5°	399.6	315.1	224.4	145.4	89.3	55.8	37.4	28.5	24.8	24.6
50°	414.7	325.7	230.2	147.3	89.6	55.5	37.4	28.7	25.1	24.6
52.5°	427.5	334.3	235.0	148.5	89.0	55.0	37.4	29.0	25.7	25.1
55°	438.4	342.4	238.3	149.0	88.5	54.7	37.4	29.3	26.0	25.7
57.5°	447.3	348.8	241.4	149.3	87.9	54.4	37.7	29.9	26.8	26.5
60°	455.4	354.1	243.6	149.3	87.3	54.1	38.0	30.4	27.3	27.1
62.5°	461.9	358.3	245.3	149.0	87.1	54.1	38.5	31.3	28.2	27.9
65°	466.3	361.4	246.1	148.5	86.5	54.4	39.1	32.1	29.3	29.0
67.5°	470.5	364.2	246.7	148.2	86.2	54.7	39.9	33.2	30.4	30.1
70°	473.0	365.9	247.0	147.9	86.0	55.3	40.7	34.3	31.8	31.5
72.5°	474.1	367.0	247.3	147.3	86.2	55.8	41.9	35.4	33.2	32.9
73°	*474.4*	*367.0*	*247.0*	*147.3*	*86.2*	*56.1*	*42.1*	*36.0*	*33.5*	*33.2*
75°	475.0	367.0	246.7	147.1	86.5	56.7	43.0	37.1	34.6	34.6
77.5°	474.1	366.4	246.1	146.8	86.8	57.8	44.4	38.5	36.3	36.0
80°	472.5	365.0	245.3	146.8	87.3	58.9	46.0	40.2	38.0	37.7
82.5°	468.8	362.5	244.2	146.5	88.2	60.3	47.7	41.9	39.9	39.6
85°	465.2	359.4	242.5	146.5	89.3	62.0	49.4	43.8	41.9	41.6
87.5°	459.6	355.8	240.8	146.2	90.4	63.3	51.1	45.8	43.5	43.5
90°	453.2	351.9	239.2	146.5	91.5	65.3	53.3	48.0	45.8	45.5
92.5°	446.8	347.4	237.2	147.1	93.5	67.3	55.5	50.2	48.0	47.4
95°	438.1	341.3	235.0	147.3	95.2	69.5	57.8	52.5	50.2	50.2
97.5°	429.2	335.7	232.5	148.2	97.4	72.3	60.8	55.3	53.0	53.0
100°	419.7	329.9	230.8	149.0	99.6	75.3	63.6	58.0	55.8	55.8
102.5°	409.7	323.4	229.1	150.7	103.0	78.4	67.0	61.4	58.9	58.9
105°	399.3	317.3	227.4	152.6	106.3	82.3	70.6	65.0	62.5	62.5
107.5°	389.3	311.4	226.0	155.2	110.0	86.2	74.2	68.7	66.1	65.6

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

Scaled Data Report

REPORT NUMBER: P1224029
CATALOG NUMBER: FFX-CLB-30-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	378.7	305.3	224.9	157.7	114.1	90.7	78.7	72.3	69.5	69.5
112.5°	367.3	298.9	224.1	160.2	118.6	95.2	82.6	76.2	73.4	72.8
115°	355.3	292.5	222.4	163.0	122.5	99.6	86.8	79.5	76.5	76.2
117.5°	343.5	284.9	220.5	164.9	126.1	103.3	90.1	82.9	79.5	79.3
120°	329.9	276.6	217.1	165.5	128.9	106.0	92.9	85.1	81.8	81.2
122.5°	314.8	265.7	212.4	164.9	130.3	108.0	94.6	86.8	82.9	82.6
125°	297.8	253.7	206.2	163.0	130.6	108.8	95.2	87.1	83.4	82.9
127.5°	279.9	241.7	198.1	159.1	128.9	108.3	94.6	86.5	82.6	82.3
130°	261.5	227.4	188.6	154.0	126.1	106.3	93.2	85.1	81.2	80.9
132.5°	243.1	212.4	178.3	147.3	122.2	103.3	90.7	82.9	79.3	78.7
135°	223.3	197.6	167.7	140.4	116.9	99.9	87.6	80.1	76.5	76.2
137.5°	205.1	182.2	156.8	132.6	111.9	95.4	84.3	77.3	74.2	73.7
140°	187.3	167.4	145.1	124.2	105.5	91.0	80.4	74.2	71.2	70.9
142.5°	170.8	153.8	134.8	116.1	99.6	86.5	77.0	71.2	68.7	68.1
145°	153.8	139.5	123.9	107.7	93.2	81.8	73.4	68.1	65.9	65.3
147.5°	139.0	126.4	113.0	99.3	87.3	77.0	69.8	65.3	63.3	63.1
150°	125.0	114.4	102.7	91.5	80.9	72.6	66.4	62.5	60.8	60.6
152.5°	112.5	103.3	93.8	84.3	75.3	68.7	63.3	60.0	58.6	58.6
155°	100.7	93.2	85.7	77.9	70.9	65.3	61.1	58.3	57.2	56.9
157.5°	90.7	84.8	78.7	72.3	67.0	62.2	58.9	56.9	55.8	55.8
160°	82.0	77.6	72.6	67.8	63.6	59.7	57.2	55.5	54.7	54.7
162.5°	75.1	71.4	67.5	63.9	60.3	57.8	55.8	54.7	54.1	54.1
165°	69.2	66.7	63.9	60.8	58.3	56.4	55.0	54.1	53.9	53.9
167.5°	65.0	62.8	60.6	58.6	56.9	55.3	54.4	53.9	53.9	53.6
170°	61.4	60.0	58.0	56.7	55.3	54.4	53.9	53.6	53.6	53.3
172.5°	58.6	57.5	56.4	55.3	54.4	53.9	53.6	53.6	53.6	53.6
175°	56.9	56.1	55.3	54.7	54.1	53.6	53.6	53.9	53.9	53.9
177.5°	55.5	55.3	54.7	54.4	54.1	54.1	54.1	54.4	54.7	54.7
180°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

Test Date: 03/21/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

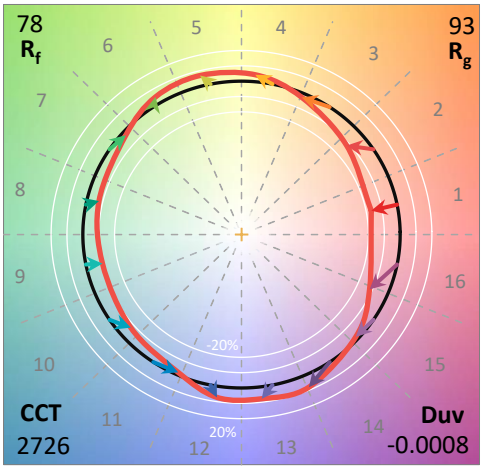
Test Information

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

Spectral Parameters

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

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



Test Conditions

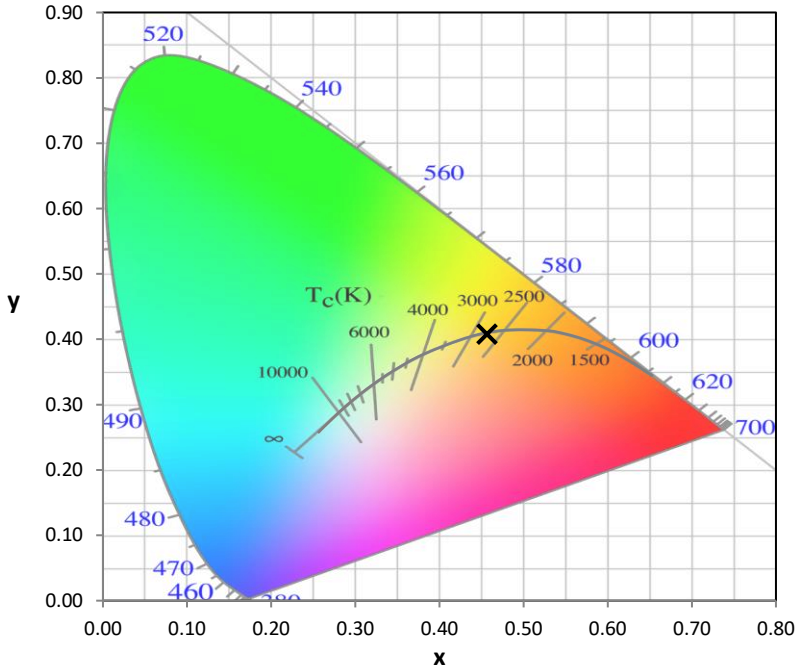
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

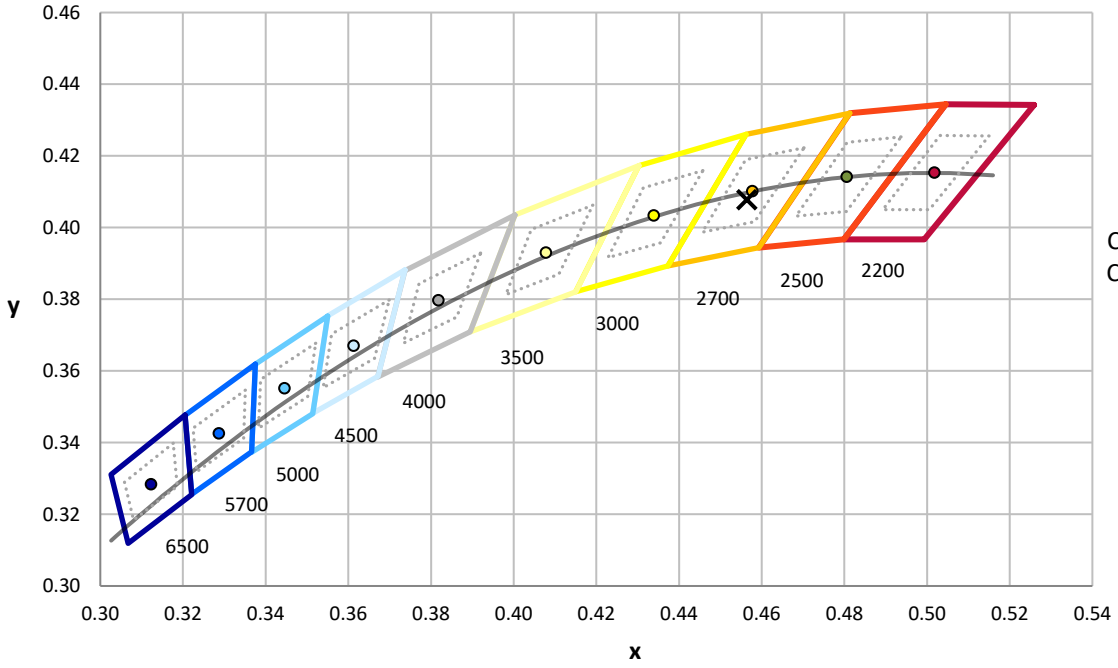
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

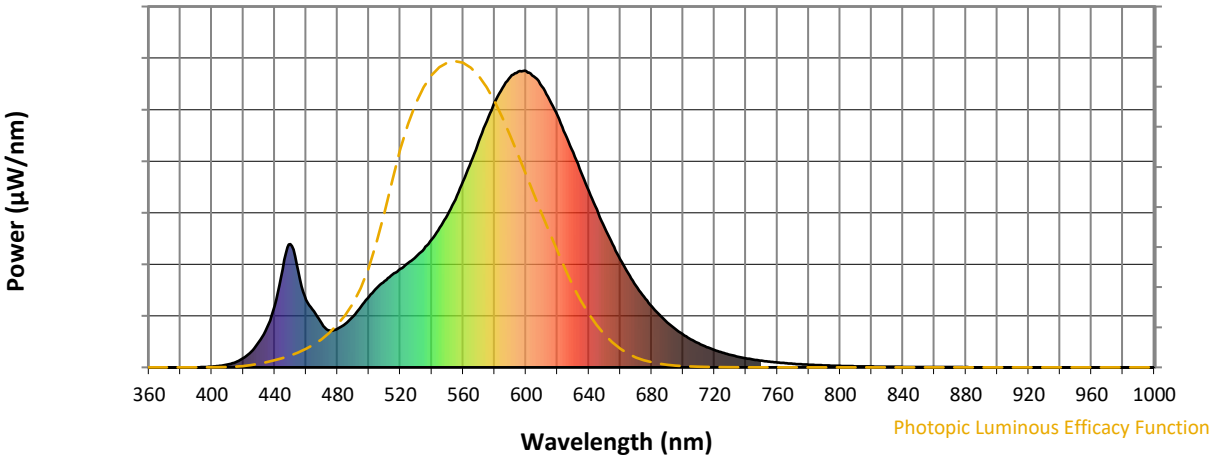


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

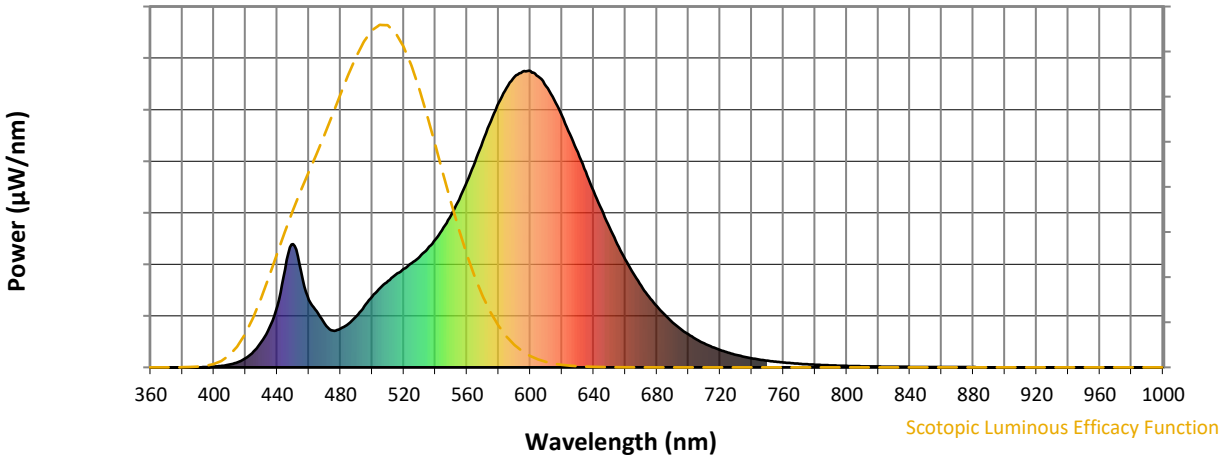


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

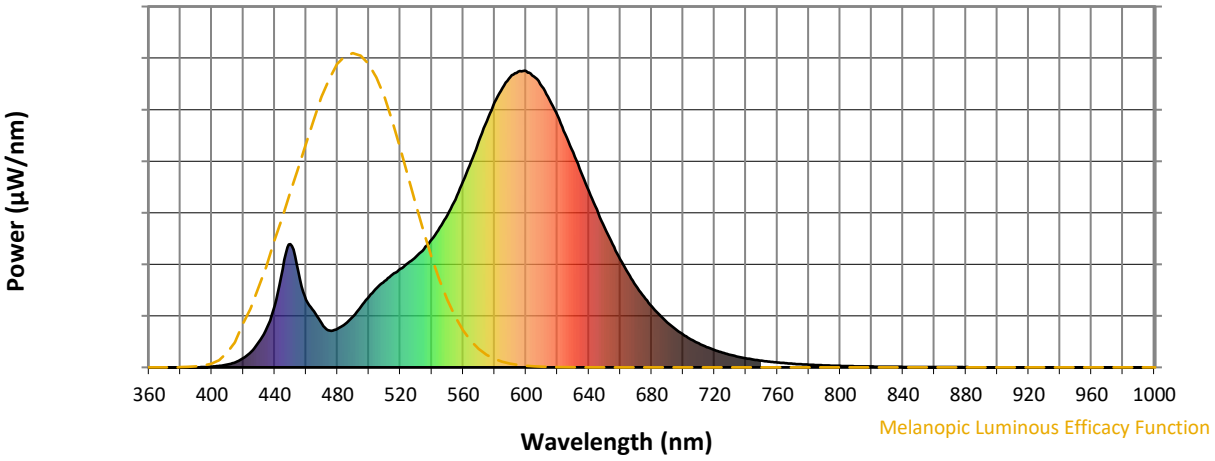


Scotopic Lumens: NR **S/P: 1.16**

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

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



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

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

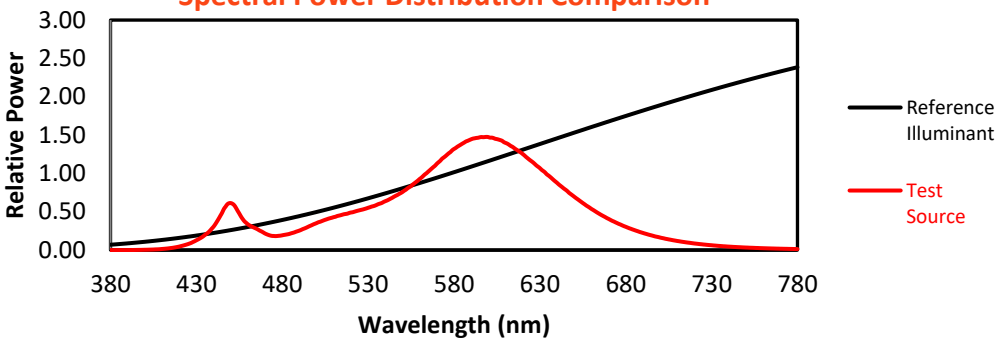
REPORT NUMBER: SP1-2501-332-3

TM-30-18

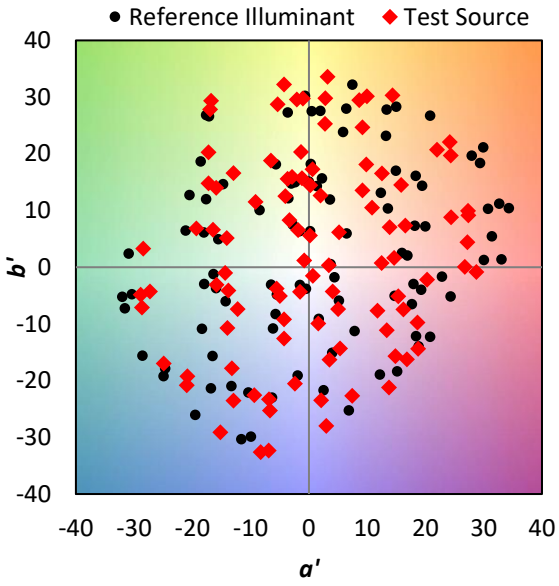
Summary

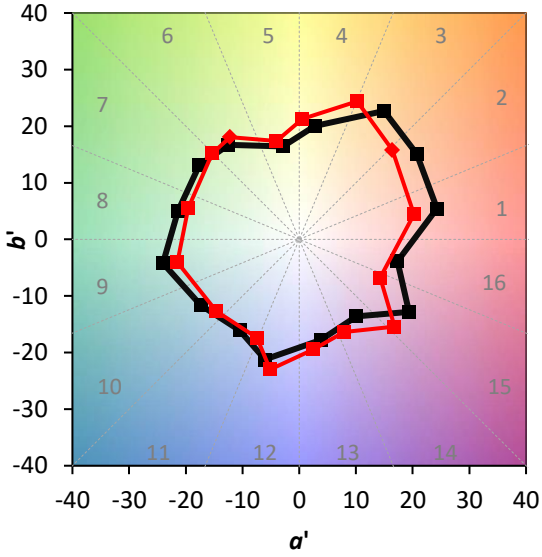
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

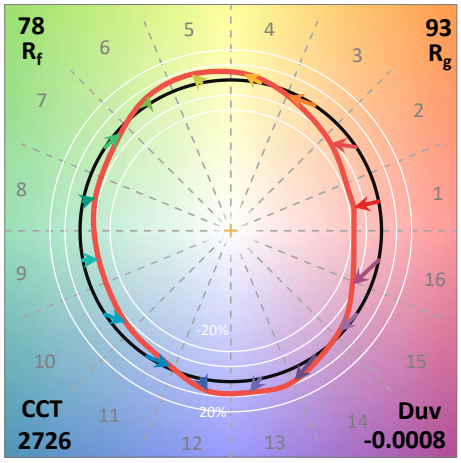
Spectral Power Distribution Comparison

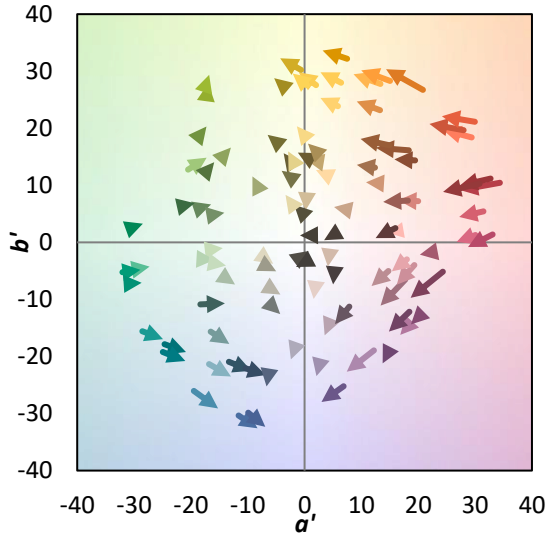


Color Vector Graphics







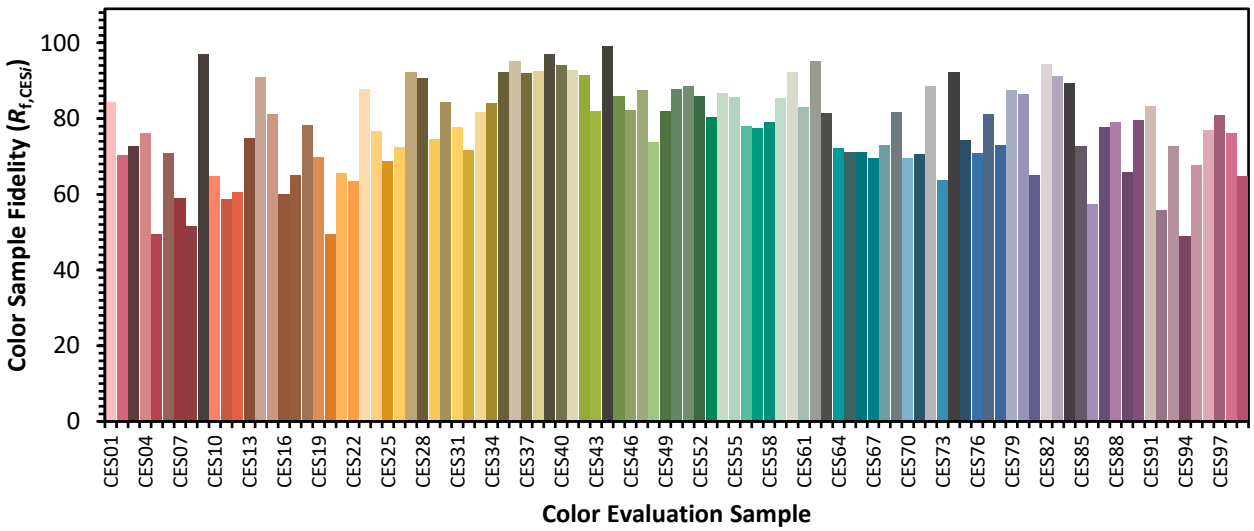


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

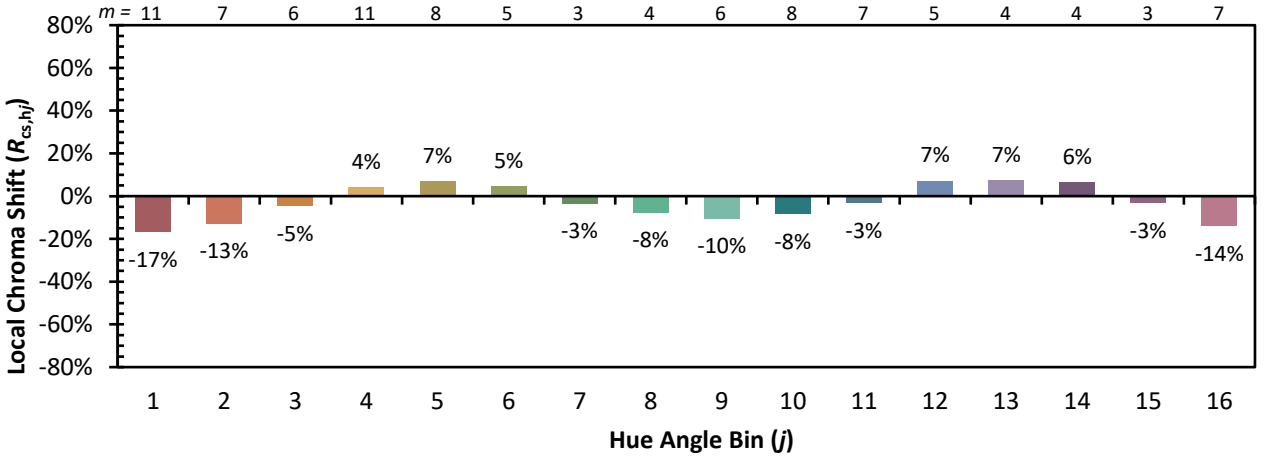
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 71
CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

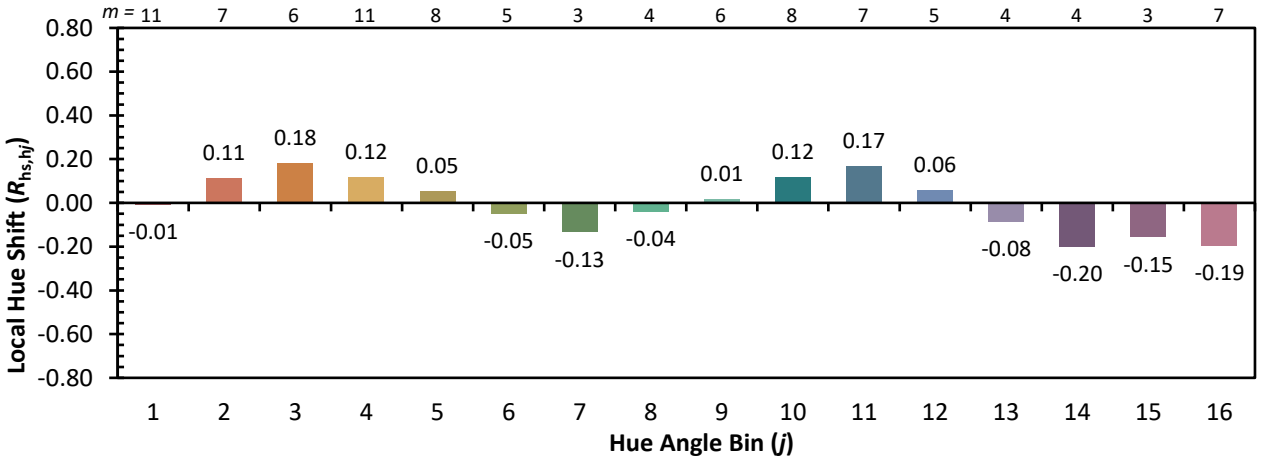


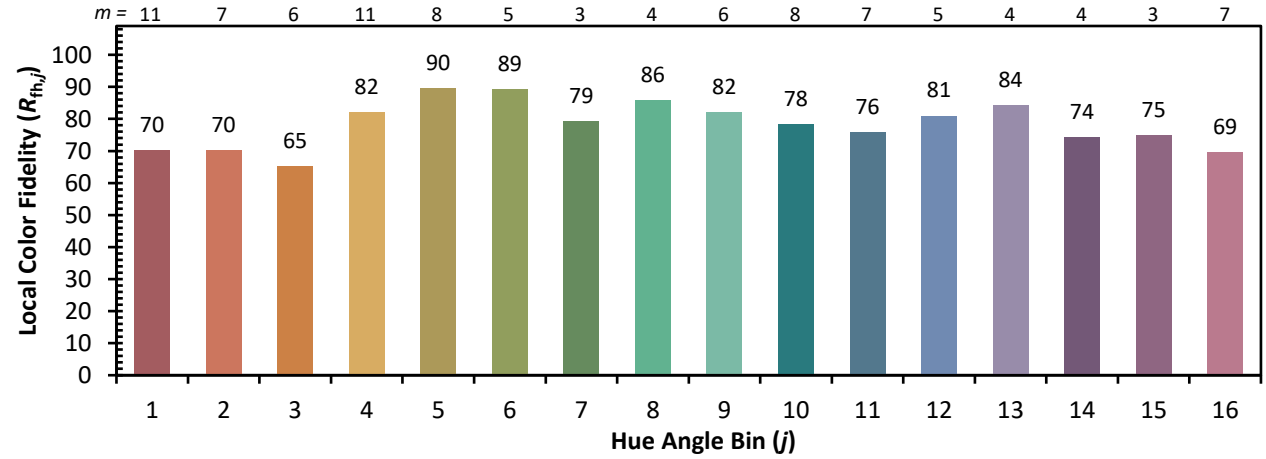
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



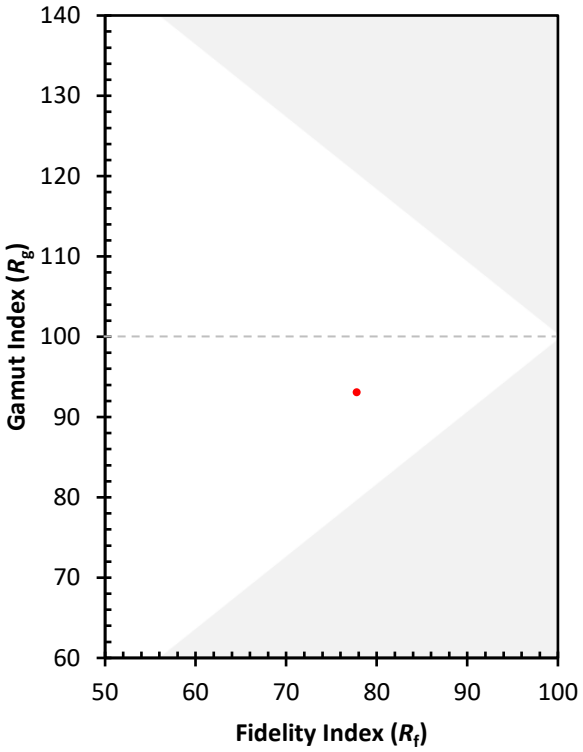


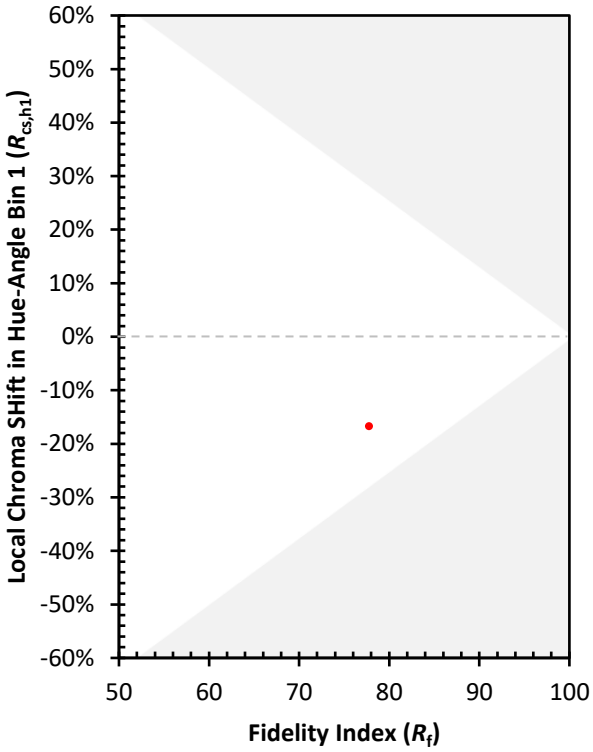


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Measure Comparisons





(END OF REPORT)