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: P1223902

Luminaire Tested: **FFX-CLB-40-730-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:	P1223902
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6032.4 lumens
Efficiency:	N/A
Efficacy:	153.1 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

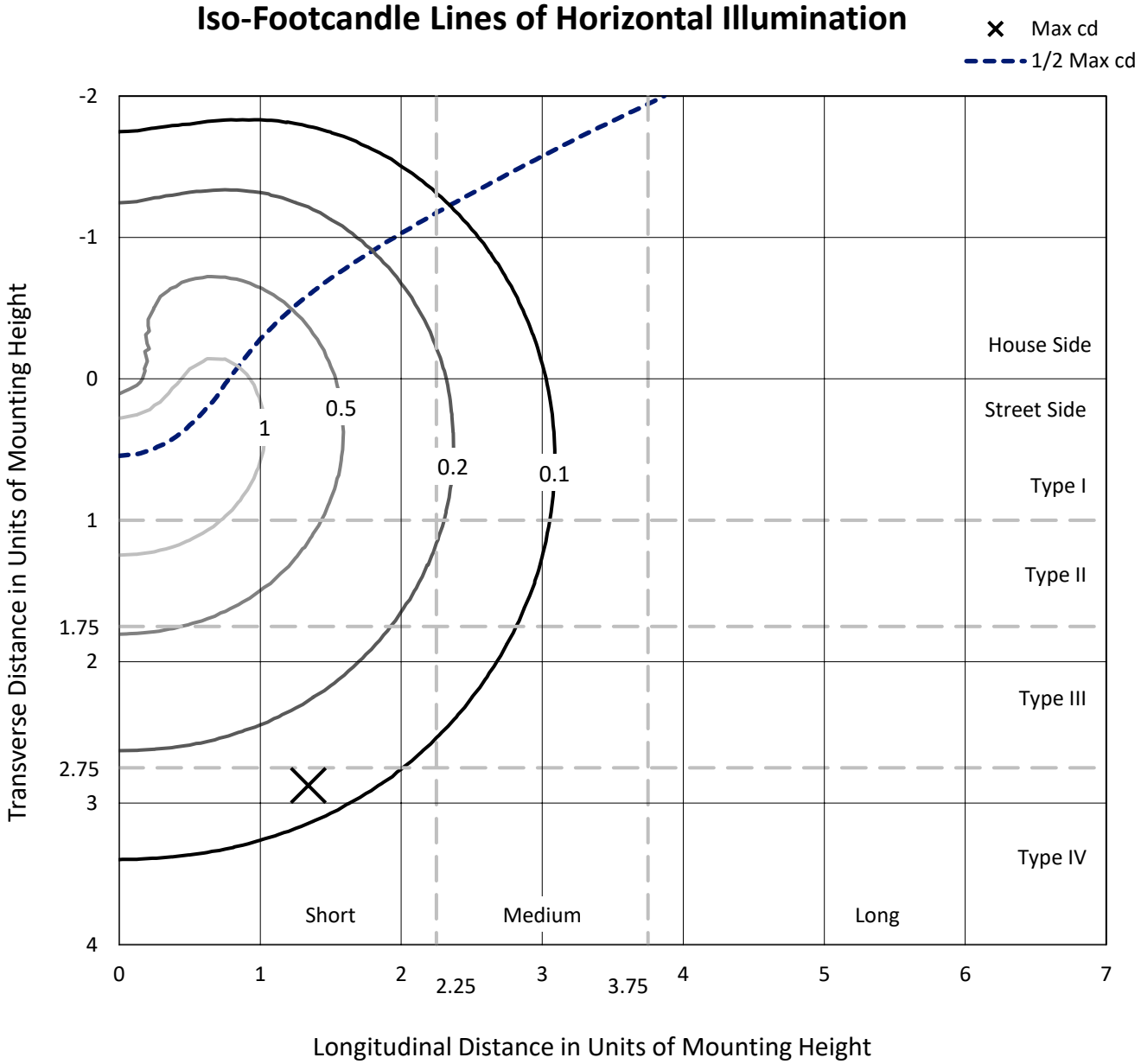


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Iso-Footcandle Lines of Horizontal Illumination



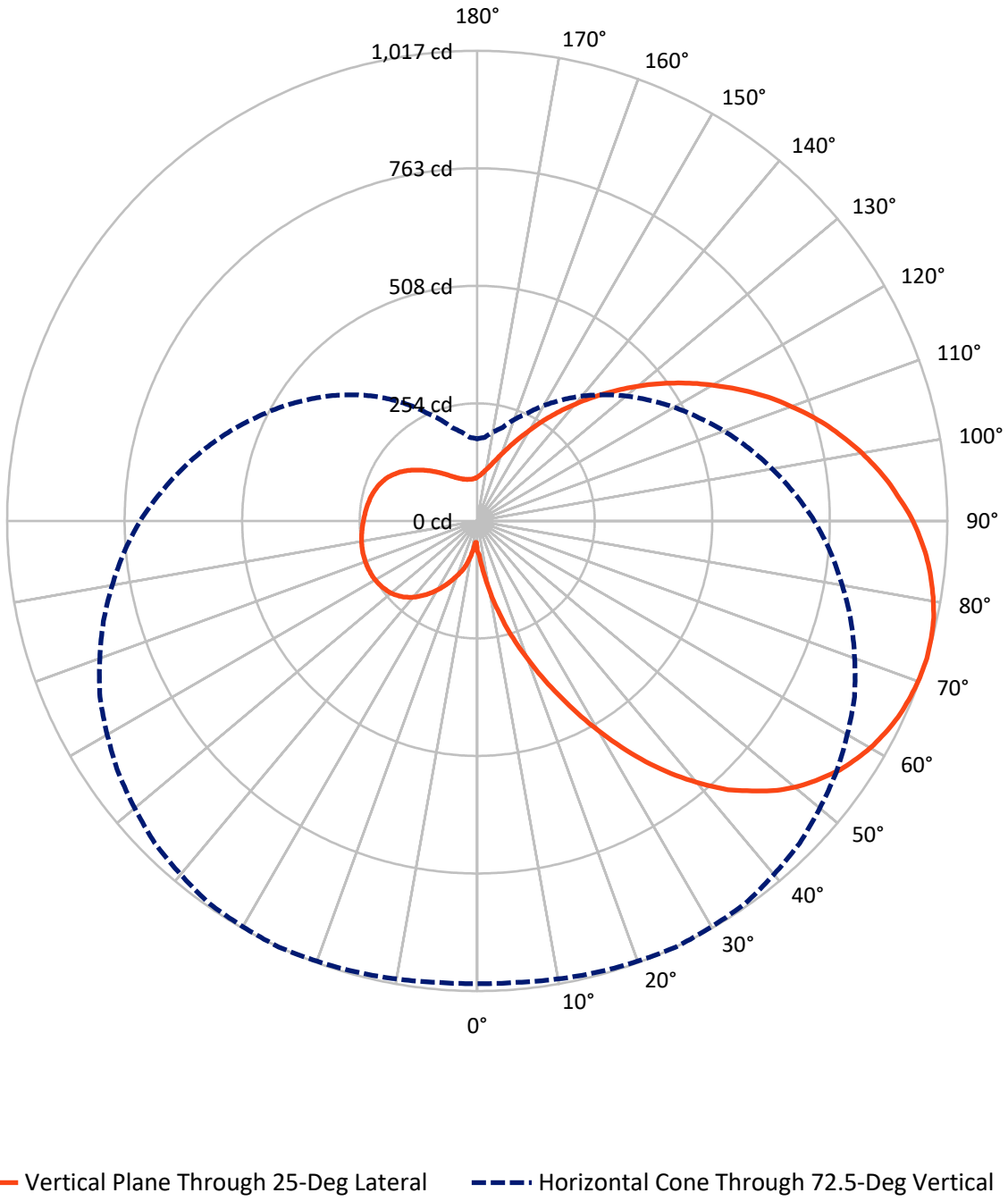
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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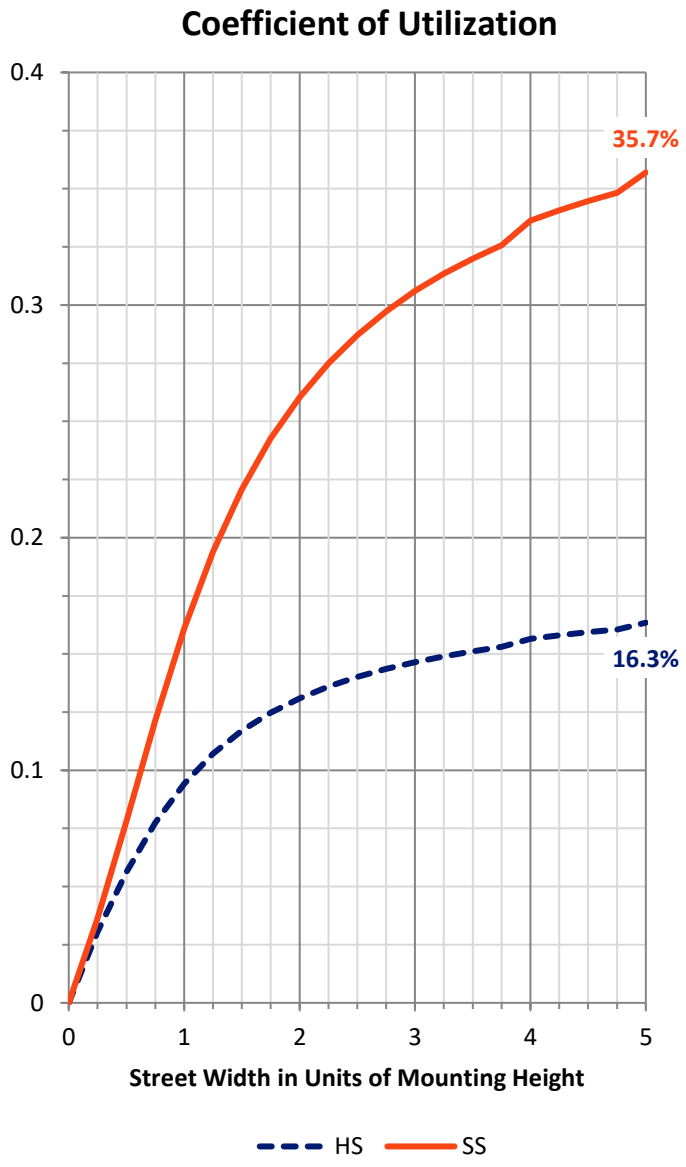
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.9	831.7	1918.6
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	2458.2	1655.7	4113.8
	% Fixture	40.7	27.4	68.2
Total	Lumens	3545.1	2487.4	6032.4
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	51.2	0.8
20°-30°	139.5	2.3
30°-40°	276.5	4.6
40°-50°	431.6	7.2
50°-60°	565.7	9.4
60°-70°	660.1	10.9
70°-80°	708.3	11.7
80°-90°	703.6	11.7
90°-100°	652.8	10.8
100°-110°	568.5	9.4
110°-120°	459.9	7.6
120°-130°	338.6	5.6
130°-140°	223.9	3.7
140°-150°	132.5	2.2
150°-160°	69.7	1.2
160°-170°	32.3	0.5
170°-180°	9.3	0.2
0°-90°	3545.1	58.8
0°-180°	6032.4	100.0



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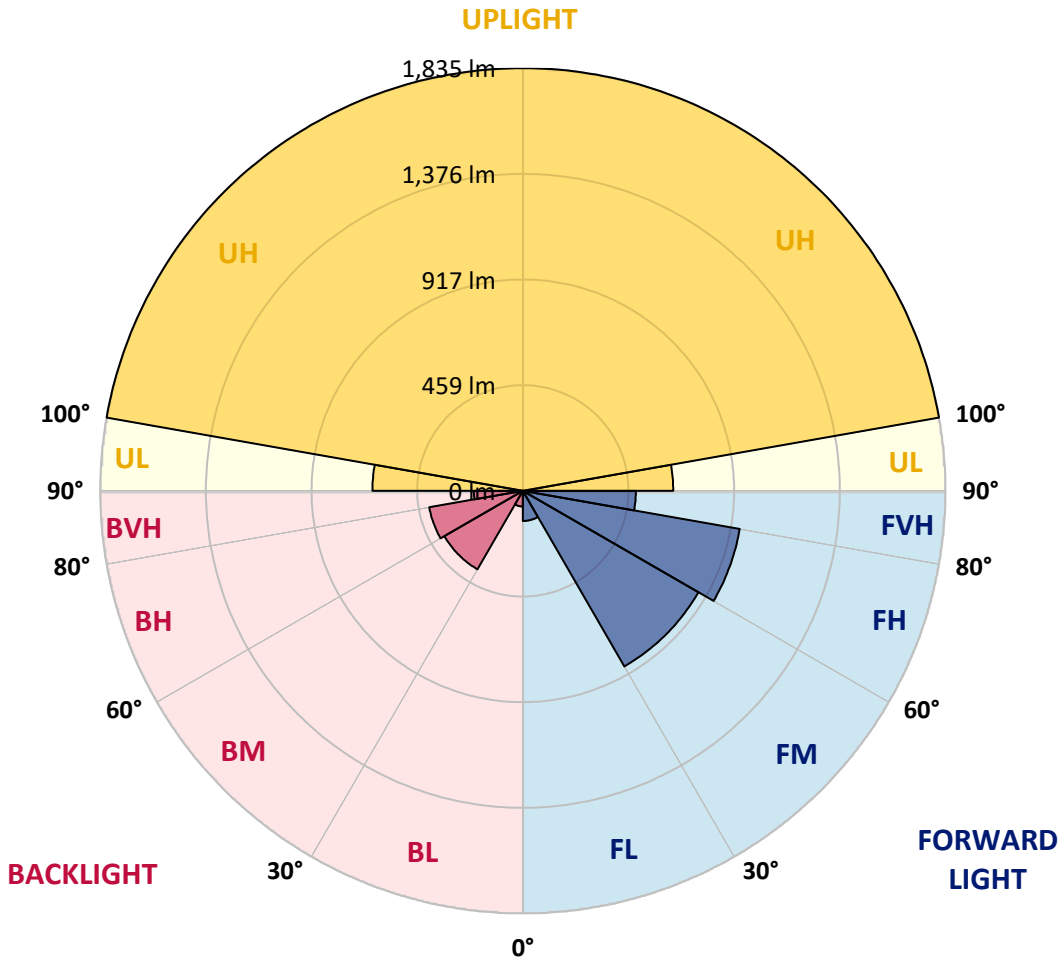
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	131.0	2.2			
FM	(30°-60°)	880.4	14.6			
FH	(60°-80°)	956.2	15.9			G1/1800
FVH	(80°-90°)	490.5	8.1			G3/500
BL	(0°-30°)	68.2	1.1	B0/110		
BM	(30°-60°)	393.3	6.5	B1/1000		
BH	(60°-80°)	412.2	6.8	B1/500		G1/500
BVH	(80°-90°)	213.1	3.5			G2/225
UL	(90°-100°)	652.8	10.8		U4/1000	
UH	(100°-180°)	1834.6	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°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	70.4	70.4	71.6	72.0	72.4	72.4	72.9	72.4	70.8	68.8	67.6
5°	96.1	95.2	94.8	95.2	95.2	93.6	91.2	86.7	83.4	78.1	76.1
7.5°	128.6	127.8	126.6	125.4	125.4	121.3	117.2	113.6	107.9	100.5	98.1
10°	166.5	164.8	163.2	160.8	157.9	154.3	149.0	142.9	135.1	127.4	122.5
12.5°	203.5	203.1	202.3	198.6	193.3	190.1	184.4	175.8	166.1	155.5	151.4
15°	246.2	244.2	243.0	240.1	236.9	230.4	221.0	212.9	201.5	186.8	181.9
17.5°	285.7	284.9	282.5	281.7	276.4	269.4	258.9	246.7	232.8	219.4	212.1
20°	328.9	330.9	328.1	325.6	316.3	309.3	299.6	287.8	271.1	251.9	244.2
22.5°	376.9	378.9	374.5	374.5	366.7	355.3	341.5	327.6	306.9	286.9	277.2
25°	432.7	433.5	426.6	423.7	418.0	406.6	389.9	373.6	349.6	324.4	313.0
27.5°	485.6	487.2	483.1	479.5	470.1	459.1	440.8	421.7	394.4	364.3	351.7
30°	545.4	542.1	540.5	534.0	524.2	512.8	492.5	471.3	440.0	404.6	389.1
32.5°	598.3	595.9	597.1	591.8	577.6	564.9	545.8	520.2	483.5	446.5	429.0
35°	652.9	654.1	652.4	646.7	638.2	621.5	595.5	566.6	529.9	486.4	467.7
37.5°	708.6	705.8	703.7	698.8	690.3	671.6	645.9	613.4	571.0	525.0	504.3
40°	756.6	758.7	756.2	748.1	740.4	719.6	691.5	654.5	610.9	561.7	537.7
42.5°	802.2	801.4	799.4	794.9	784.3	762.3	734.7	696.8	647.6	593.0	567.8
45°	838.9	839.7	839.7	833.2	823.4	803.4	771.7	733.0	680.5	623.1	596.7
47.5°	873.9	875.1	874.3	871.4	860.8	837.2	805.1	765.2	709.4	650.4	620.7
50°	904.8	904.8	904.4	901.9	891.8	869.0	836.0	793.3	735.5	673.2	643.9
52.5°	930.4	930.0	930.4	927.6	917.0	896.2	862.1	816.5	758.7	692.3	663.8
55°	950.8	949.6	952.4	951.2	941.8	918.6	882.4	838.0	778.2	710.6	680.5
57.5°	967.1	966.7	970.3	969.1	959.7	936.5	900.7	855.5	794.5	725.7	692.7
60°	980.5	979.7	984.6	984.6	975.2	952.0	916.6	869.0	807.5	737.5	704.1
62.5°	989.9	990.3	994.7	996.4	988.2	964.6	927.6	880.8	818.1	746.9	713.1
65°	996.4	997.2	1002.5	1005.7	997.6	974.4	936.1	889.3	826.6	754.6	720.0
67.5°	1000.4	1000.8	1008.2	1011.4	1004.9	980.5	943.5	895.4	832.3	759.5	725.3
70°	1002.1	1002.5	1010.6	1015.5	1009.0	984.2	946.7	898.7	836.0	762.7	728.1
72.5°	1000.8	1001.7	1010.2	1016.7	1010.2	985.8	947.9	900.3	836.8	766.4	729.0
75°	996.8	997.6	1007.4	1013.9	1009.0	983.8	945.9	898.7	835.6	763.2	727.7
77.5°	989.9	991.1	1001.3	1009.4	1003.7	979.7	941.8	894.2	831.1	759.1	723.3
80°	979.7	980.1	991.5	999.6	995.6	971.5	933.7	886.5	823.8	752.2	717.2
82.5°	966.7	968.3	979.3	988.2	984.6	959.7	923.1	876.7	814.4	743.6	708.2
85°	952.8	954.4	964.6	974.4	969.9	946.7	910.1	864.1	801.8	731.8	698.0
87.5°	936.1	937.4	947.1	957.3	953.2	930.0	894.6	849.4	788.8	720.8	686.2
90°	917.8	919.0	928.4	938.2	932.9	910.9	876.3	831.9	772.9	706.2	672.8
92.5°	898.3	898.7	909.3	914.6	911.7	892.2	858.0	815.3	756.2	691.1	659.8
95°	876.3	876.3	886.5	892.2	887.3	869.0	836.8	794.1	736.7	675.6	643.5
97.5°	852.3	853.1	860.8	866.5	864.9	845.8	815.3	774.5	719.6	659.0	628.4
100°	827.5	827.5	834.4	839.3	835.6	820.1	791.2	753.8	698.0	641.0	611.3
102.5°	801.4	801.0	806.7	810.4	807.9	793.7	766.8	729.8	677.7	622.3	594.2
105°	772.5	771.3	777.0	781.1	778.6	766.0	743.2	707.4	656.9	604.0	577.1
107.5°	741.6	743.6	746.9	749.3	747.3	736.3	714.7	683.0	635.3	584.9	558.8
110°	712.3	713.5	713.9	716.8	716.3	707.4	689.1	657.3	612.1	564.5	539.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	682.6	682.2	682.6	*684.6*	684.6	675.6	658.1	630.5	589.4	543.0	519.8
115°	650.4	648.8	649.2	*649.6*	651.2	644.3	629.2	603.2	562.9	521.8	499.0
117.5°	617.0	616.6	615.8	*614.6*	614.6	611.7	598.7	575.5	537.3	496.6	477.4
120°	585.3	583.7	581.6	*580.4*	581.2	578.0	567.4	544.2	510.4	473.8	454.6
122.5°	548.7	549.9	548.7	*547.0*	547.4	544.2	535.2	515.7	481.9	446.9	429.8
125°	517.3	516.9	515.3	*512.8*	512.8	511.6	501.8	484.8	454.6	421.3	405.4
127.5°	482.3	482.7	481.1	*479.9*	480.7	478.2	471.7	452.2	425.7	396.0	380.6
130°	449.3	448.9	448.5	*446.1*	448.1	443.6	437.9	421.7	396.4	371.2	357.0
132.5°	418.4	416.0	414.3	*413.9*	413.5	413.1	406.2	392.0	370.8	345.6	331.7
135°	387.5	385.4	383.4	*382.6*	383.4	381.4	375.3	363.5	343.9	319.5	308.9
137.5°	355.7	354.9	354.9	*352.9*	352.9	351.3	346.0	336.2	317.9	296.7	286.1
140°	327.2	325.6	324.8	*323.6*	324.8	323.2	317.5	308.1	292.6	274.3	264.2
142.5°	297.9	296.3	297.5	*296.3*	295.1	294.3	289.4	282.1	268.6	251.9	243.4
145°	270.7	270.7	269.9	*270.3*	269.4	268.6	263.7	256.8	245.4	230.0	223.9
147.5°	245.0	245.8	245.0	*245.8*	245.8	242.6	239.3	233.6	223.0	210.8	204.3
150°	221.0	222.2	221.4	*221.0*	221.4	219.8	215.3	212.1	202.7	192.1	185.6
152.5°	200.7	201.5	201.5	*200.7*	200.3	199.4	195.0	190.5	183.2	175.0	170.5
155°	181.5	181.5	181.9	*182.3*	181.1	178.7	177.1	173.4	166.9	159.5	155.1
157.5°	165.7	165.2	165.7	*165.2*	164.8	162.4	160.0	157.1	151.8	145.3	142.9
160°	150.6	150.6	151.0	*150.6*	149.0	147.7	145.7	143.3	138.8	134.3	131.1
162.5°	138.4	138.4	138.4	*138.0*	136.3	135.9	133.5	131.1	127.4	123.7	121.3
165°	127.8	127.8	127.4	*127.4*	126.6	125.4	123.3	121.3	118.0	115.2	113.6
167.5°	119.3	118.8	118.4	*118.0*	117.6	116.4	114.4	113.2	110.7	108.3	107.0
170°	111.9	111.9	111.5	*111.5*	110.7	109.5	108.3	106.6	105.0	102.6	101.8
172.5°	105.4	105.4	105.4	*105.4*	104.2	103.8	102.6	101.3	100.1	98.5	97.7
175°	100.5	100.5	100.5	*100.5*	99.7	98.9	98.5	97.3	96.5	95.2	94.8
177.5°	96.9	96.9	96.9	*96.9*	96.5	95.6	95.2	94.4	93.6	93.2	92.8
180°	93.6	93.6	93.6	*93.6*	93.6	93.6	93.6	93.6	93.6	93.6	93.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	66.3	63.9	60.6	57.0	54.1	50.5	46.8	44.8	43.6	42.7
5°	74.1	68.8	63.9	58.6	54.5	50.9	46.8	43.6	41.9	41.5
7.5°	94.4	87.1	79.8	73.3	67.6	61.9	57.8	54.5	52.5	52.5
10°	118.8	108.7	100.1	91.6	83.8	76.9	71.2	68.0	65.5	64.7
12.5°	146.5	134.3	122.5	112.7	101.3	93.6	86.7	82.2	79.4	79.0
15°	175.4	162.8	147.7	134.3	121.7	109.5	101.3	94.8	92.4	92.4
17.5°	203.1	186.8	170.1	153.9	138.4	124.1	112.7	105.4	101.8	100.9
20°	232.8	213.3	191.7	172.6	153.4	136.8	123.3	114.0	109.1	108.7
22.5°	263.3	240.5	217.3	192.1	170.1	150.2	134.3	123.3	117.2	116.4
25°	298.3	270.7	243.0	215.3	188.9	165.2	146.5	133.1	126.2	125.4
27.5°	337.0	302.4	269.4	237.7	206.8	180.7	158.3	142.9	134.3	133.9
30°	372.4	334.2	296.7	260.1	226.3	195.0	170.1	152.2	142.9	141.6
32.5°	407.8	365.5	323.2	282.9	243.8	210.0	181.9	161.2	150.2	149.4
35°	444.5	396.4	350.4	304.0	263.3	225.1	192.9	170.1	158.3	156.7
37.5°	478.6	427.0	376.5	327.2	280.4	238.9	203.5	178.7	165.2	163.2
40°	510.0	454.2	400.1	347.2	296.7	251.9	213.7	186.0	170.9	169.3
42.5°	538.9	479.9	421.7	364.7	311.8	263.3	222.2	192.1	175.4	173.8
45°	566.2	503.9	441.6	381.0	324.8	273.9	230.4	197.8	179.9	177.5
47.5°	589.4	524.2	457.5	394.8	336.6	282.9	236.5	201.9	183.2	180.7
50°	610.1	541.3	472.5	408.2	346.8	291.0	242.2	205.1	184.8	182.3
52.5°	626.8	557.2	485.6	418.8	356.1	297.5	246.2	208.0	186.4	184.0
55°	643.1	570.2	497.0	428.2	363.1	303.6	249.5	209.6	187.2	184.4
57.5°	656.5	581.2	506.3	435.5	370.0	307.7	252.3	210.4	187.2	184.0
60°	666.3	589.8	513.7	441.6	374.5	311.4	254.4	210.8	186.8	183.6
62.5°	674.8	596.7	518.9	446.9	378.9	314.2	256.4	211.2	186.0	182.7
65°	681.3	602.4	523.4	450.2	381.8	316.7	256.8	210.8	184.8	181.5
67.5°	686.6	606.0	526.3	453.0	383.8	317.9	257.6	210.4	184.0	180.3
70°	688.7	607.7	527.9	454.2	385.0	318.7	257.6	209.6	182.3	178.7
72.5°	*688.3*	*607.7*	*528.3*	*454.6*	*385.4*	*319.1*	*257.2*	*208.4*	*181.1*	*177.5*
75°	687.0	606.5	527.5	454.2	385.0	318.7	256.8	207.6	179.9	176.6
77.5°	683.8	603.2	524.6	452.6	384.2	317.5	255.6	206.8	179.1	175.0
80°	678.1	598.3	520.6	448.9	381.4	316.3	254.4	205.1	177.5	174.2
82.5°	669.9	592.2	515.7	445.7	378.9	313.8	252.8	204.3	176.6	173.4
85°	660.6	584.5	509.2	440.8	375.3	311.4	250.7	202.7	175.8	172.6
87.5°	649.2	574.3	502.7	435.1	370.8	308.1	248.7	201.5	175.4	172.2
90°	637.4	564.9	494.5	429.8	367.1	304.9	246.7	200.7	175.0	172.2
92.5°	624.4	554.8	486.8	422.9	362.2	301.6	244.6	199.8	175.0	172.2
95°	611.3	544.2	479.1	416.8	357.4	298.3	242.6	199.4	175.8	173.0
97.5°	595.9	532.0	469.7	410.3	351.7	294.7	241.0	199.0	176.2	173.8
100°	581.2	519.8	459.9	402.9	346.4	290.6	238.5	198.6	177.1	174.2
102.5°	565.3	508.0	450.2	395.2	340.7	286.1	236.5	198.2	177.9	175.4
105°	549.5	493.7	439.6	386.3	333.8	281.7	234.0	197.8	178.3	175.8
107.5°	532.0	480.3	427.8	377.7	326.8	276.8	230.8	197.0	178.7	176.2
110°	514.1	464.4	415.6	367.9	318.7	270.7	227.5	195.0	178.3	176.2

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

Scaled Data Report

REPORT NUMBER: P1223902
CATALOG NUMBER: FFX-CLB-40-730-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	497.0	449.3	402.1	357.0	310.1	264.6	223.0	192.9	177.1	175.4
115°	475.8	432.2	387.9	345.1	300.4	256.8	218.2	190.1	175.4	173.4
117.5°	456.3	414.3	372.8	332.5	290.2	249.1	212.5	186.4	172.6	170.9
120°	434.3	395.2	356.5	318.3	278.8	240.1	205.5	181.9	168.9	167.7
122.5°	412.7	376.5	339.9	303.6	266.6	230.0	198.6	176.2	164.8	163.6
125°	389.9	356.5	322.4	288.2	253.2	219.4	190.5	169.7	159.5	158.3
127.5°	366.7	335.8	303.6	271.9	240.1	208.8	181.9	163.2	153.4	153.0
130°	342.3	314.6	285.3	256.0	226.7	197.8	173.0	156.3	147.3	146.5
132.5°	320.3	294.7	267.4	239.7	212.1	186.8	164.4	149.0	141.2	140.4
135°	298.7	273.1	249.5	225.1	199.4	175.8	155.9	142.0	135.1	134.3
137.5°	276.8	254.4	232.4	209.6	186.4	165.2	147.7	135.5	129.4	128.6
140°	254.8	236.1	216.1	194.6	174.6	155.5	139.6	129.4	123.7	122.9
142.5°	234.8	216.9	199.0	180.3	162.4	146.1	132.3	122.5	117.6	117.2
145°	215.3	199.8	183.6	166.9	151.4	138.0	125.4	117.2	113.2	112.7
147.5°	197.8	184.0	169.3	155.1	141.6	129.0	118.8	111.9	107.9	107.5
150°	180.3	168.1	155.9	143.7	132.3	121.7	112.7	107.0	104.2	103.4
152.5°	164.8	155.1	144.1	133.9	123.7	114.8	107.9	102.6	100.1	99.7
155°	151.0	142.9	133.9	125.0	116.8	109.5	103.4	99.3	97.3	97.3
157.5°	139.2	132.3	125.0	117.6	111.1	105.0	100.1	96.9	95.2	94.8
160°	128.6	122.5	116.8	111.5	105.4	100.9	97.3	94.4	93.2	92.8
162.5°	118.8	114.8	110.3	105.8	101.3	97.7	94.8	92.8	92.0	92.0
165°	111.9	108.3	104.6	101.3	98.1	95.6	93.2	92.0	91.2	90.8
167.5°	105.8	103.0	100.5	98.1	95.6	93.6	92.0	91.2	90.4	90.4
170°	100.9	98.9	97.3	95.6	94.0	92.4	91.6	90.8	90.4	90.4
172.5°	96.9	95.6	94.4	93.6	92.4	91.6	90.8	90.4	90.4	90.4
175°	94.4	93.6	92.8	92.4	92.0	91.6	91.2	90.8	90.8	90.8
177.5°	92.8	92.4	92.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0
180°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

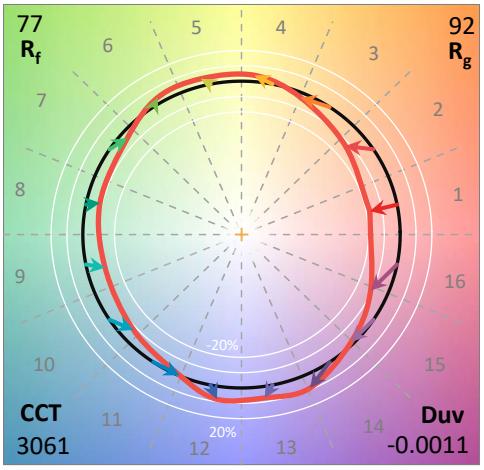
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

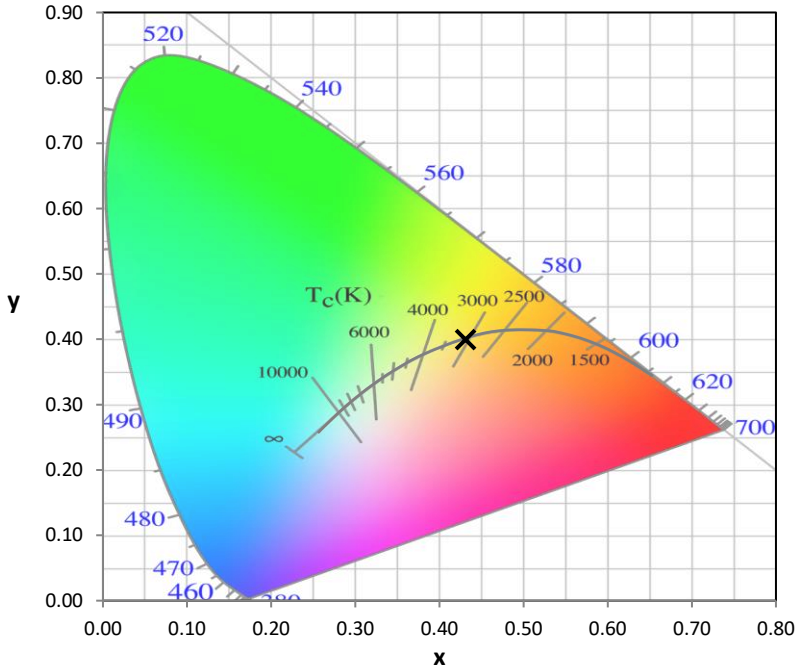
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

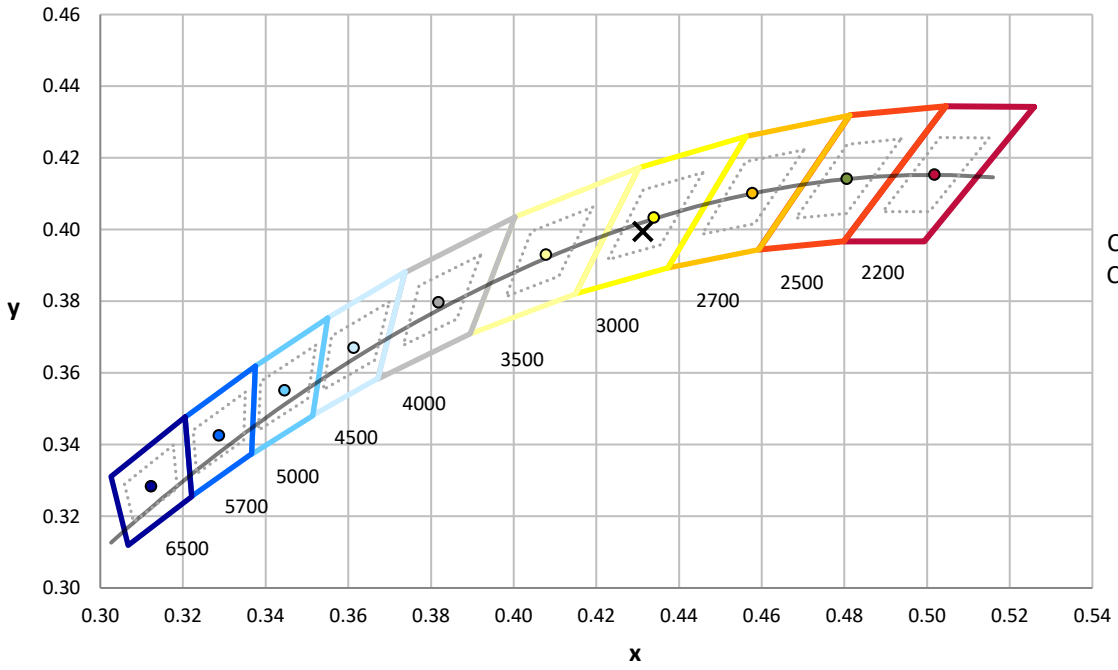
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

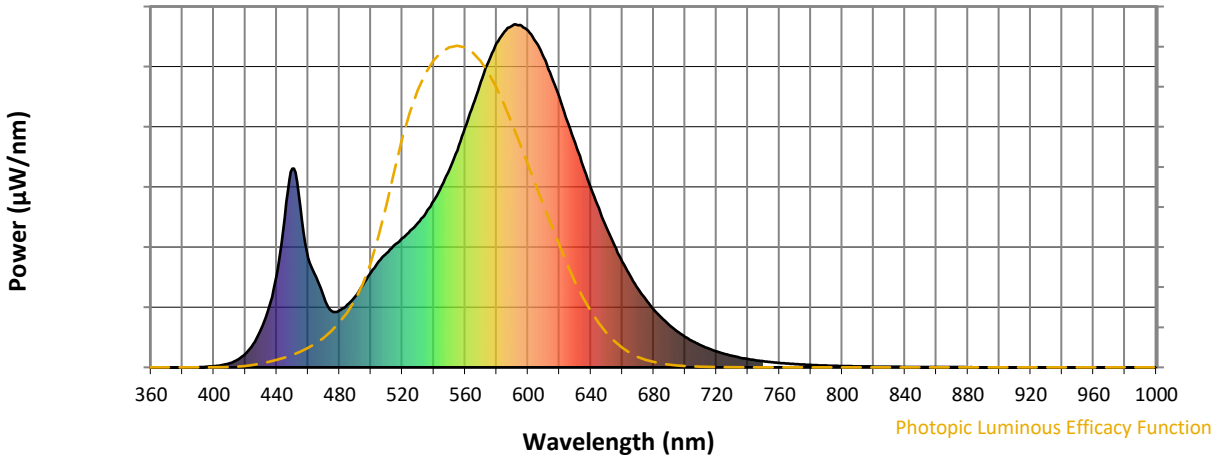


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

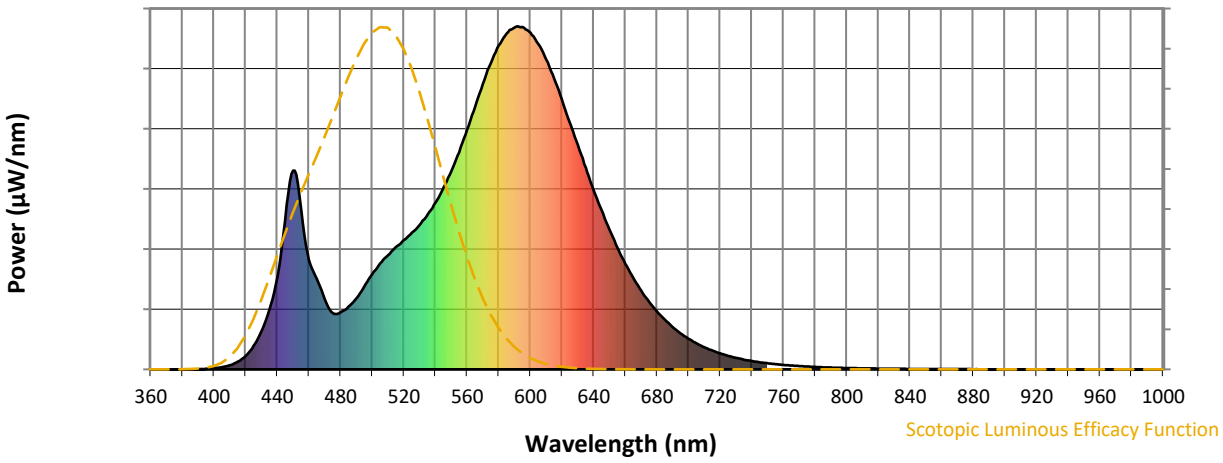


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

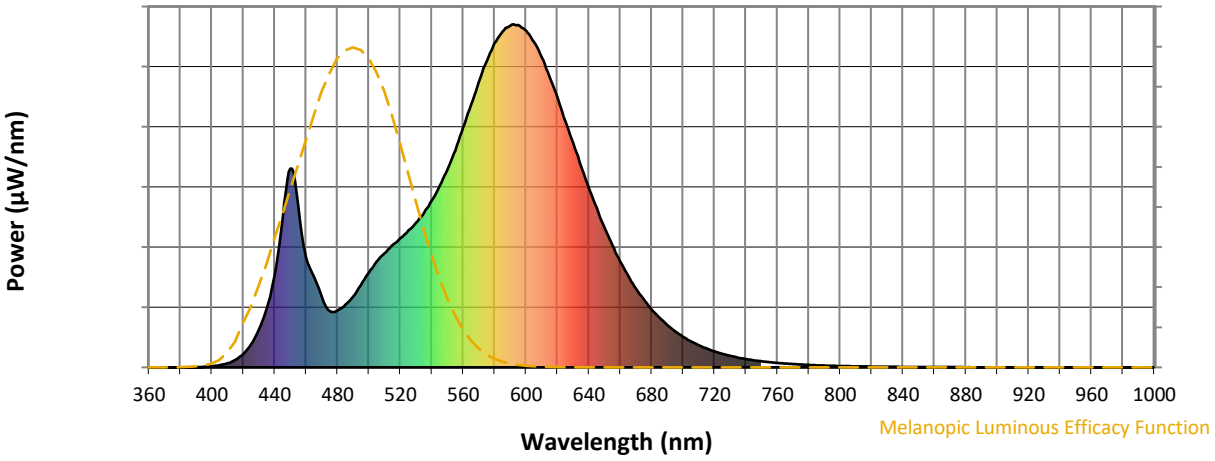


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

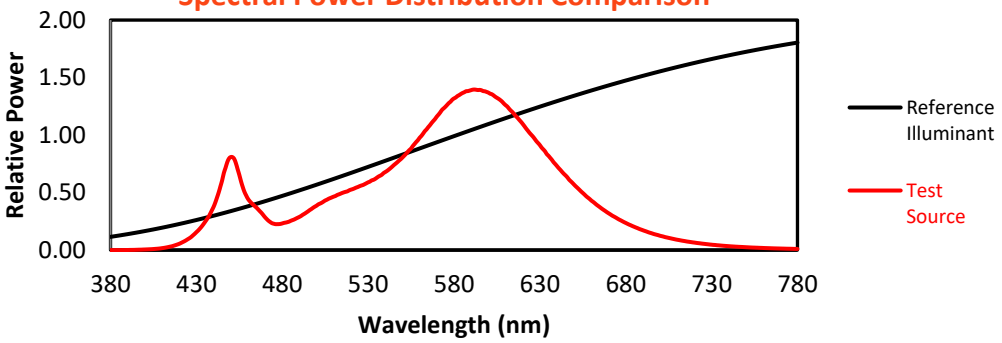
REPORT NUMBER: SP1-2501-332-4

TM-30-18

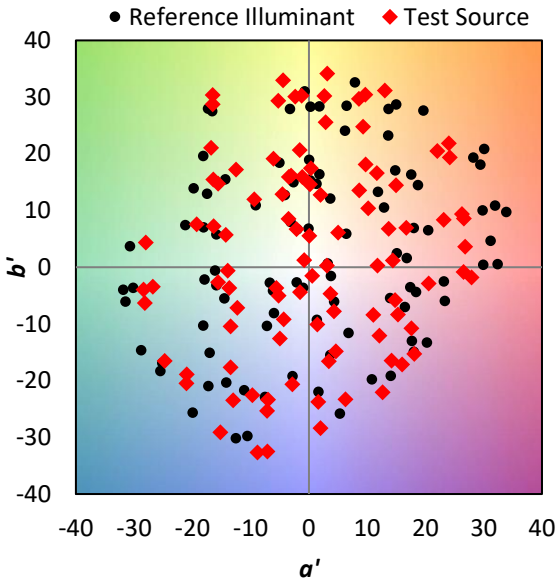
Summary

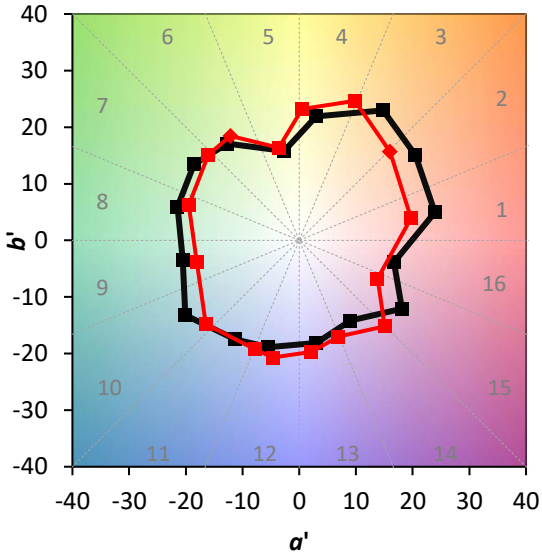
R_f = 76.8
R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

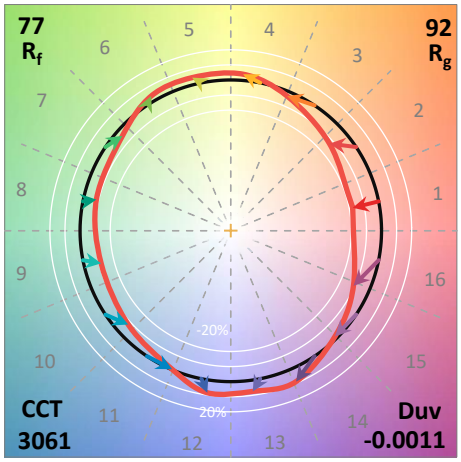
Spectral Power Distribution Comparison

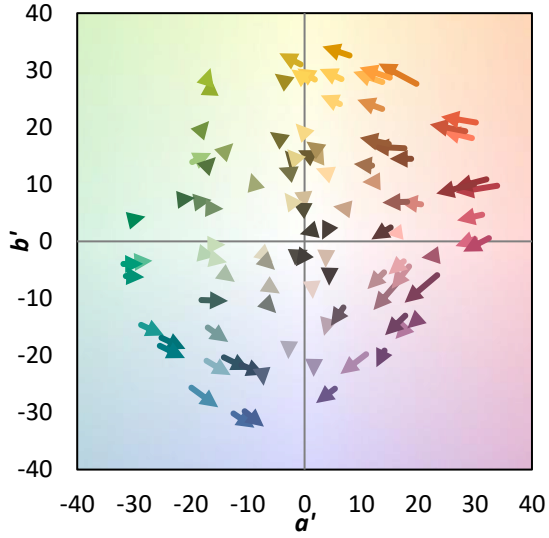


Color Vector Graphics







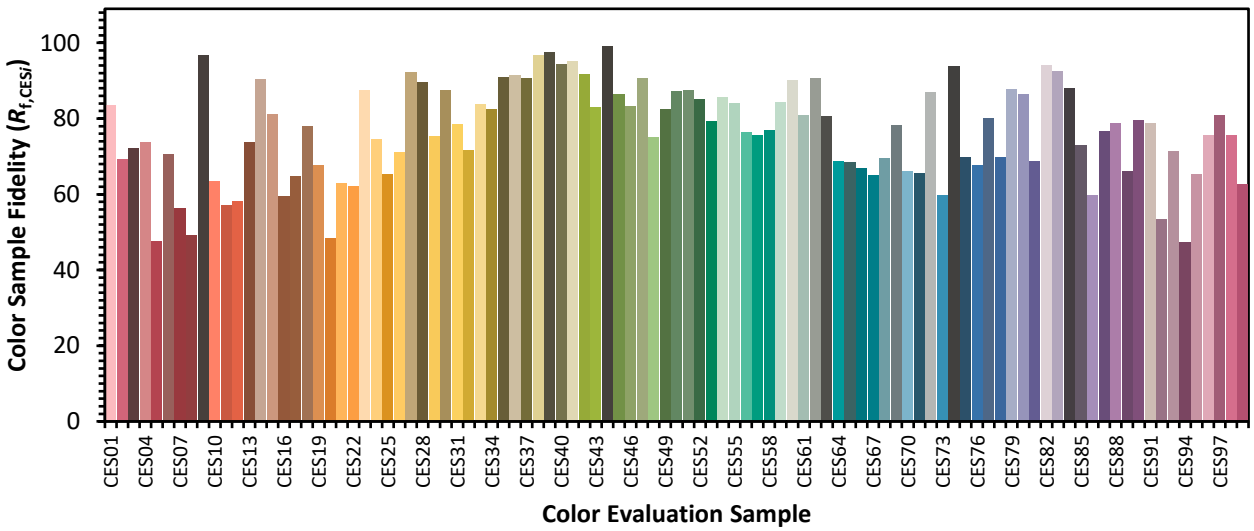


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

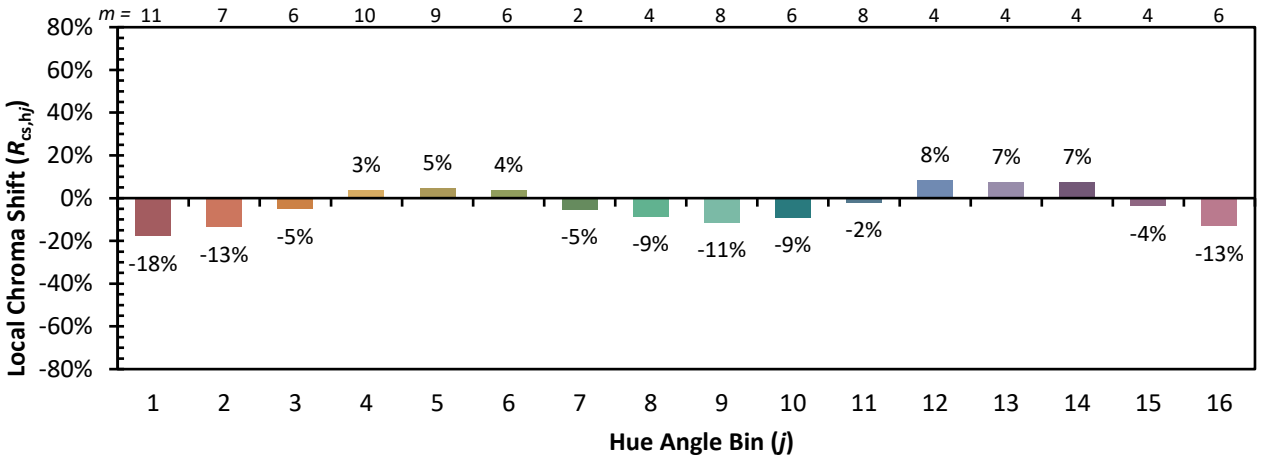
CES01 = 86	CES26 = 71	CES51 = 88	CES76 = 68
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

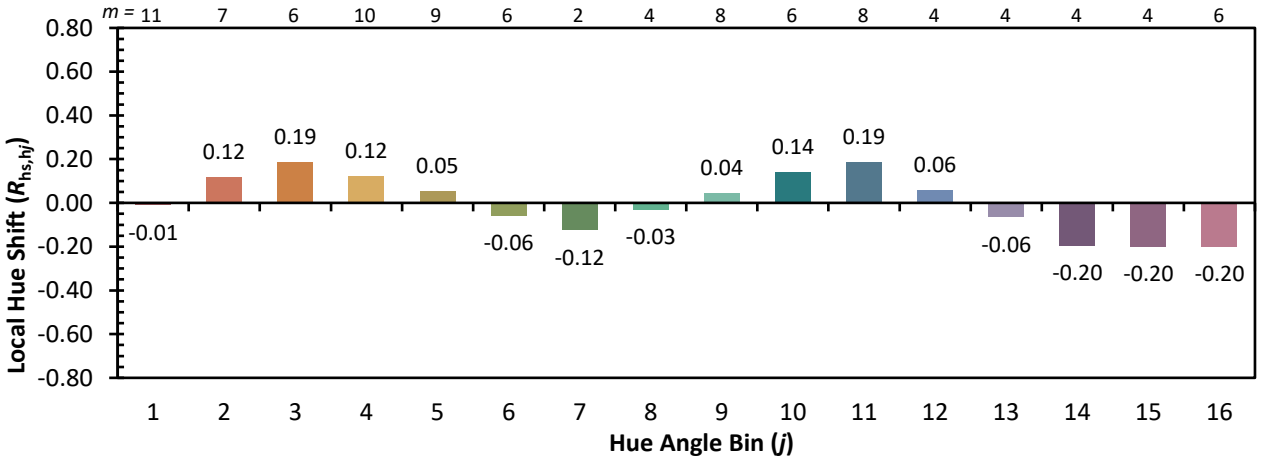


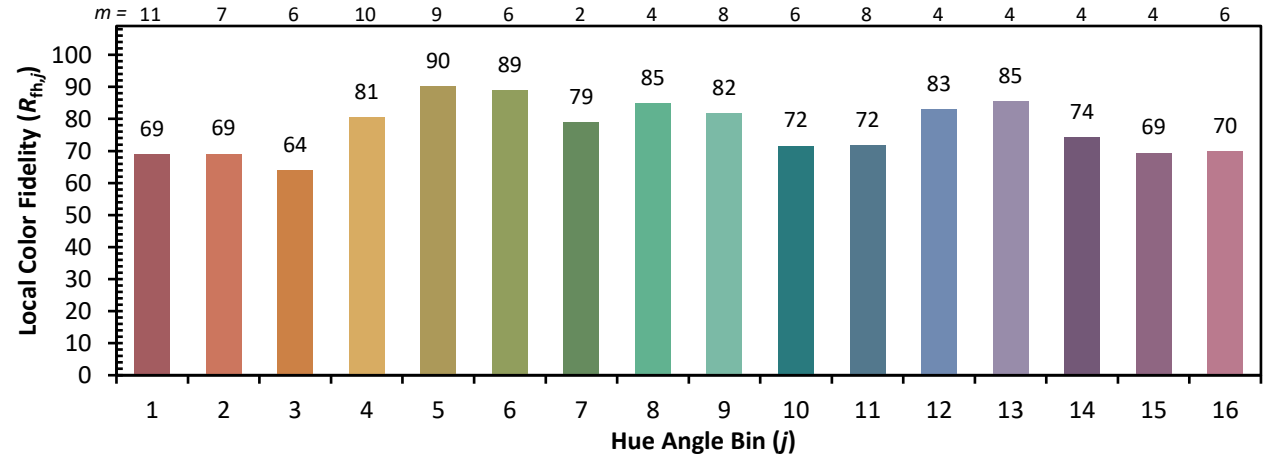
REPORT NUMBER: SP1-2501-332-4

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Color Rendition by Hue-Angle Bin



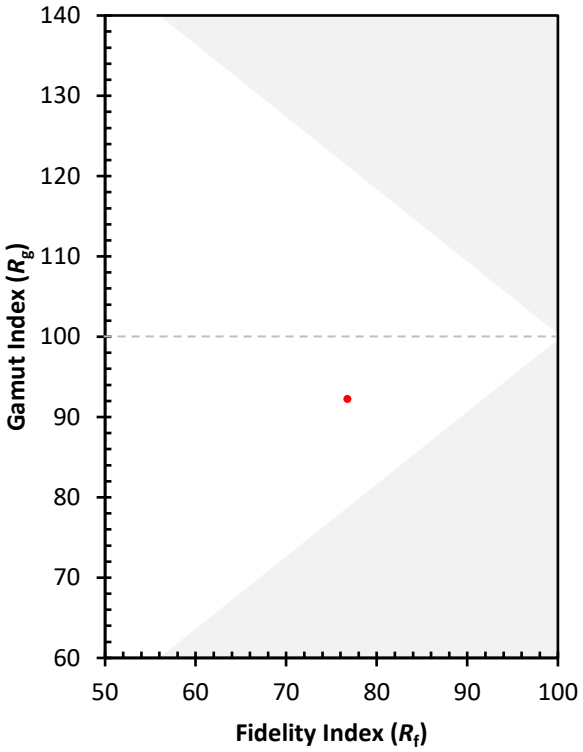


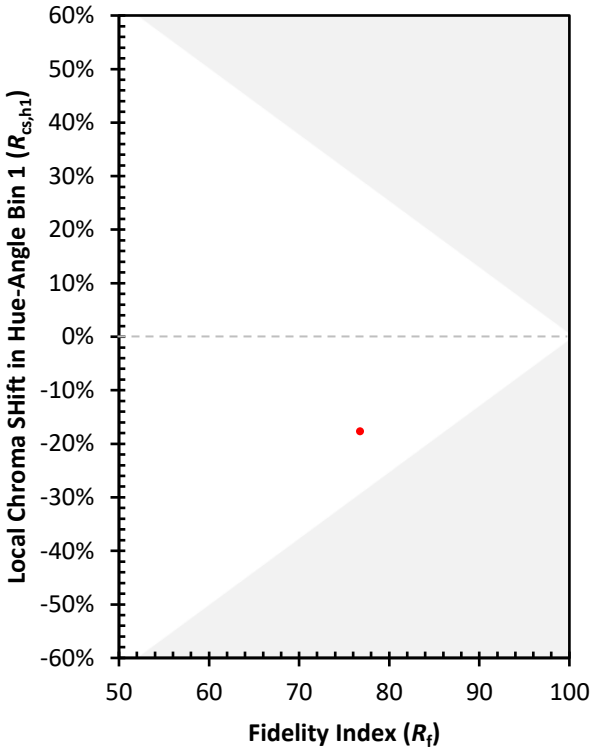


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Measure Comparisons





(END OF REPORT)