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: P1223992

Luminaire Tested: **FFX-CLB-40-730-U-VM8-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:	P1223992
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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

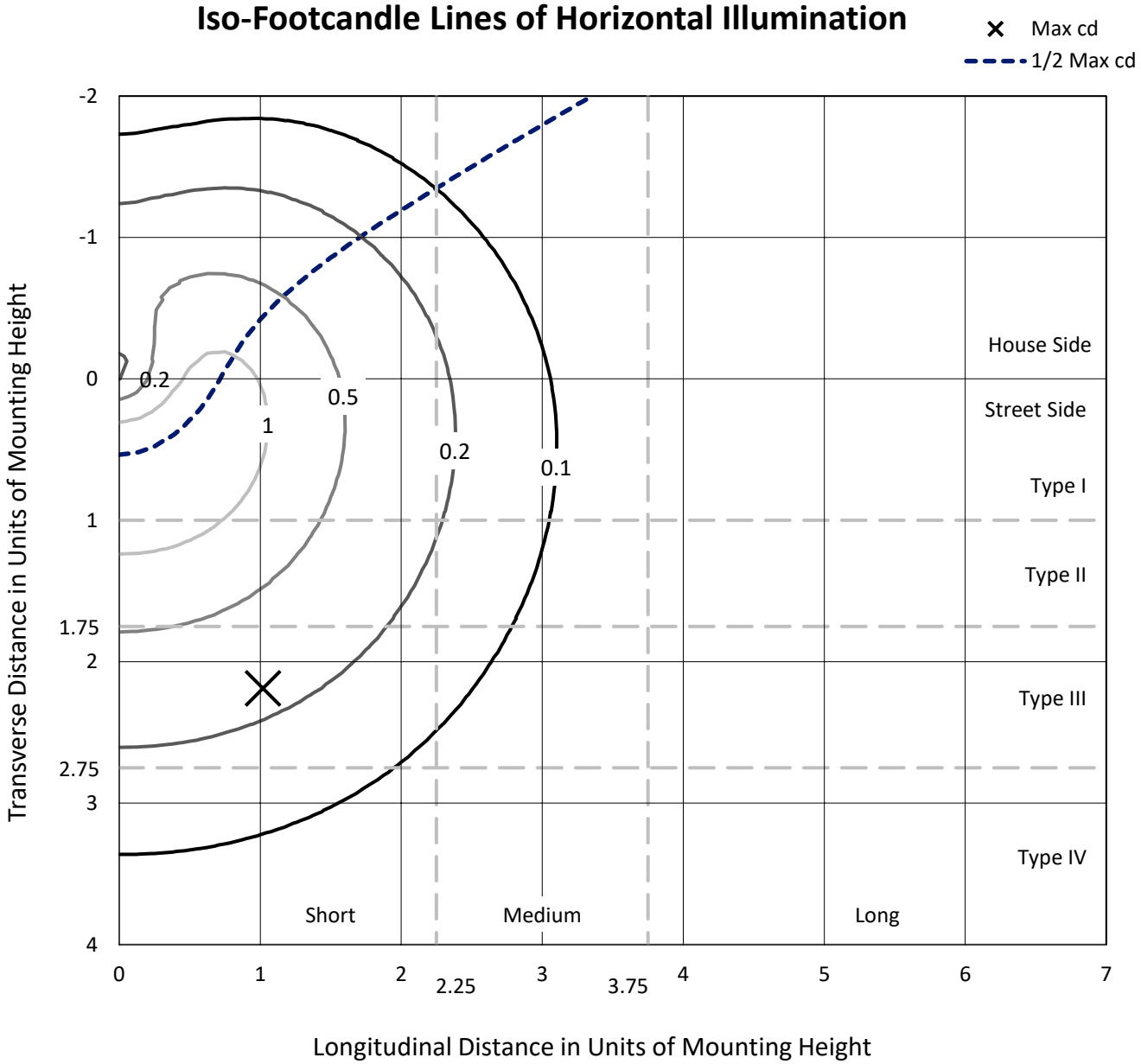


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Iso-Footcandle Lines of Horizontal Illumination



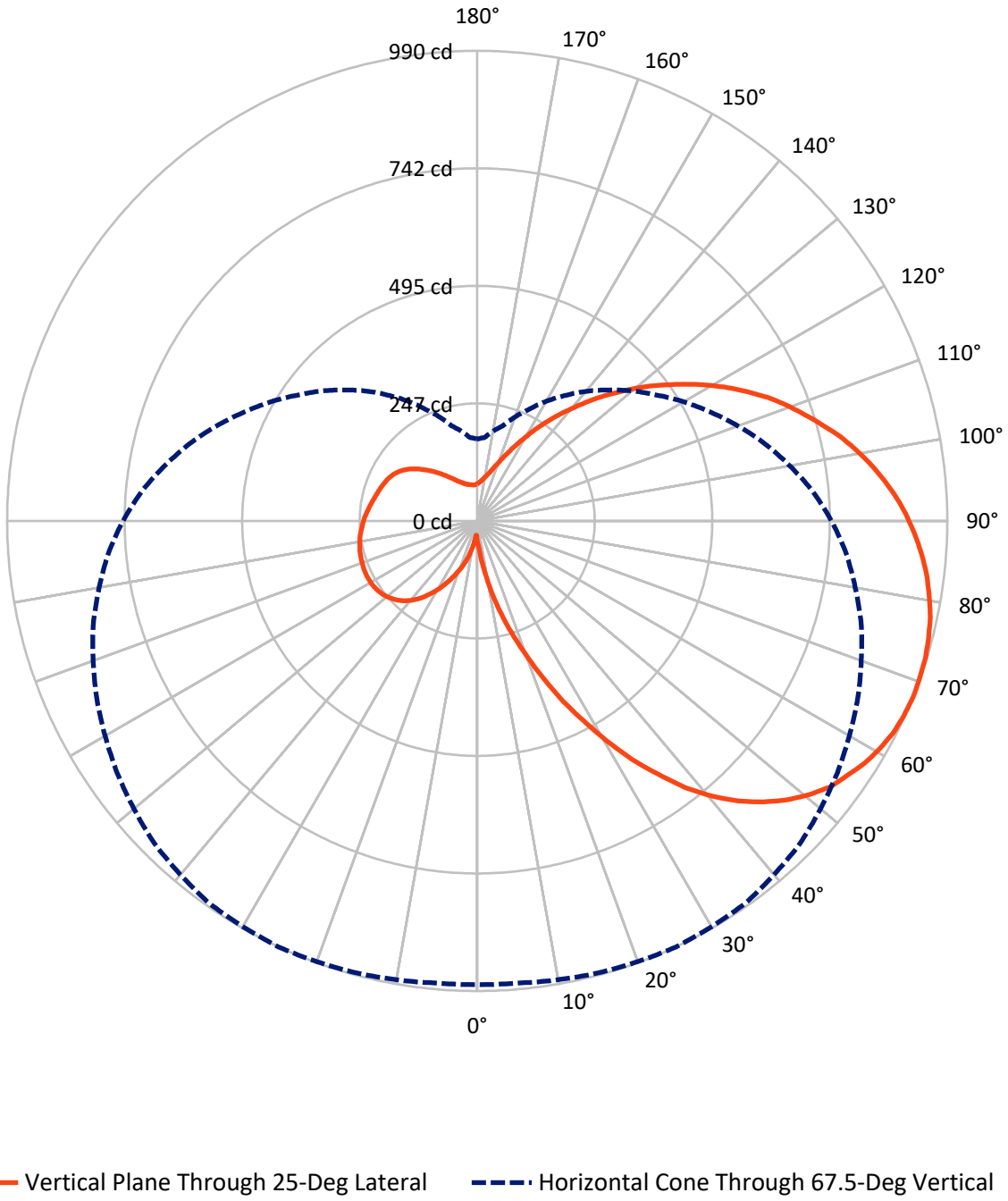
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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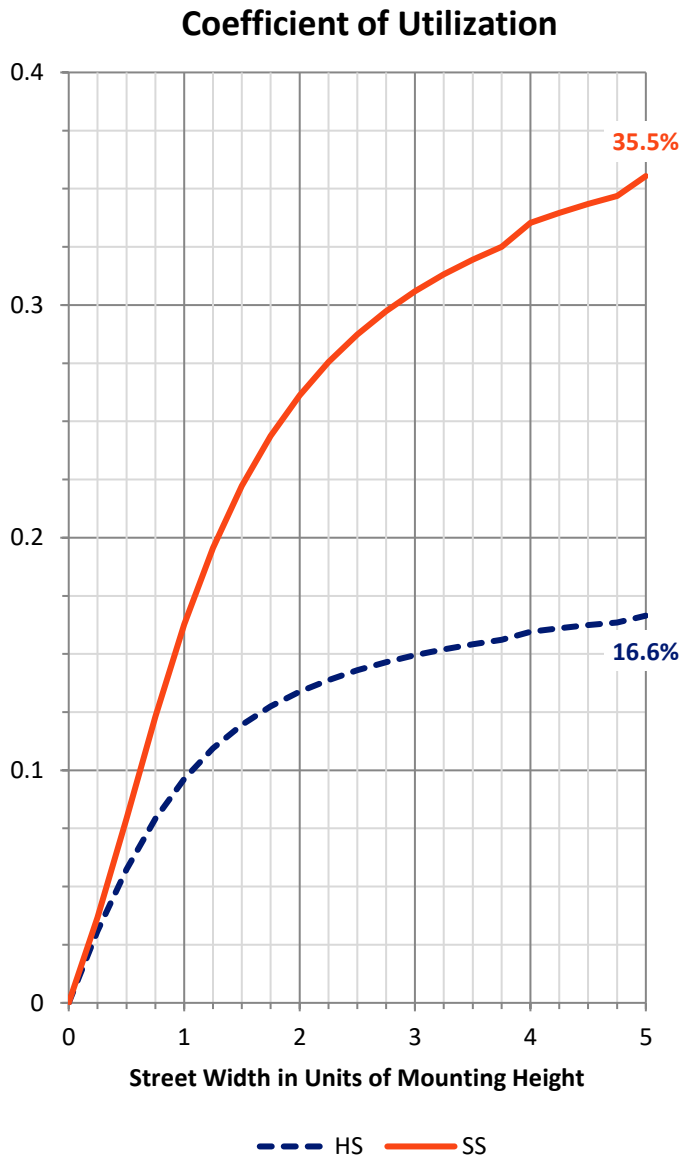
REPORT NUMBER: P1223992
CATALOG NUMBER: FFX-CLB-40-730-U-VM8-T4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1104.8	844.4	1949.2
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	2441.1	1642.1	4083.2
	% Fixture	40.5	27.2	67.7
Total	Lumens	3545.9	2486.5	6032.4
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	45.9	0.8
20°-30°	137.4	2.3
30°-40°	282.8	4.7
40°-50°	441.6	7.3
50°-60°	571.9	9.5
60°-70°	659.4	10.9
70°-80°	701.6	11.6
80°-90°	698.6	11.6
90°-100°	651.7	10.8
100°-110°	569.7	9.4
110°-120°	466.5	7.7
120°-130°	346.9	5.8
130°-140°	225.7	3.7
140°-150°	127.8	2.1
150°-160°	63.0	1.0
160°-170°	27.5	0.5
170°-180°	7.7	0.1
0°-90°	3545.9	58.8
0°-180°	6032.4	100.0



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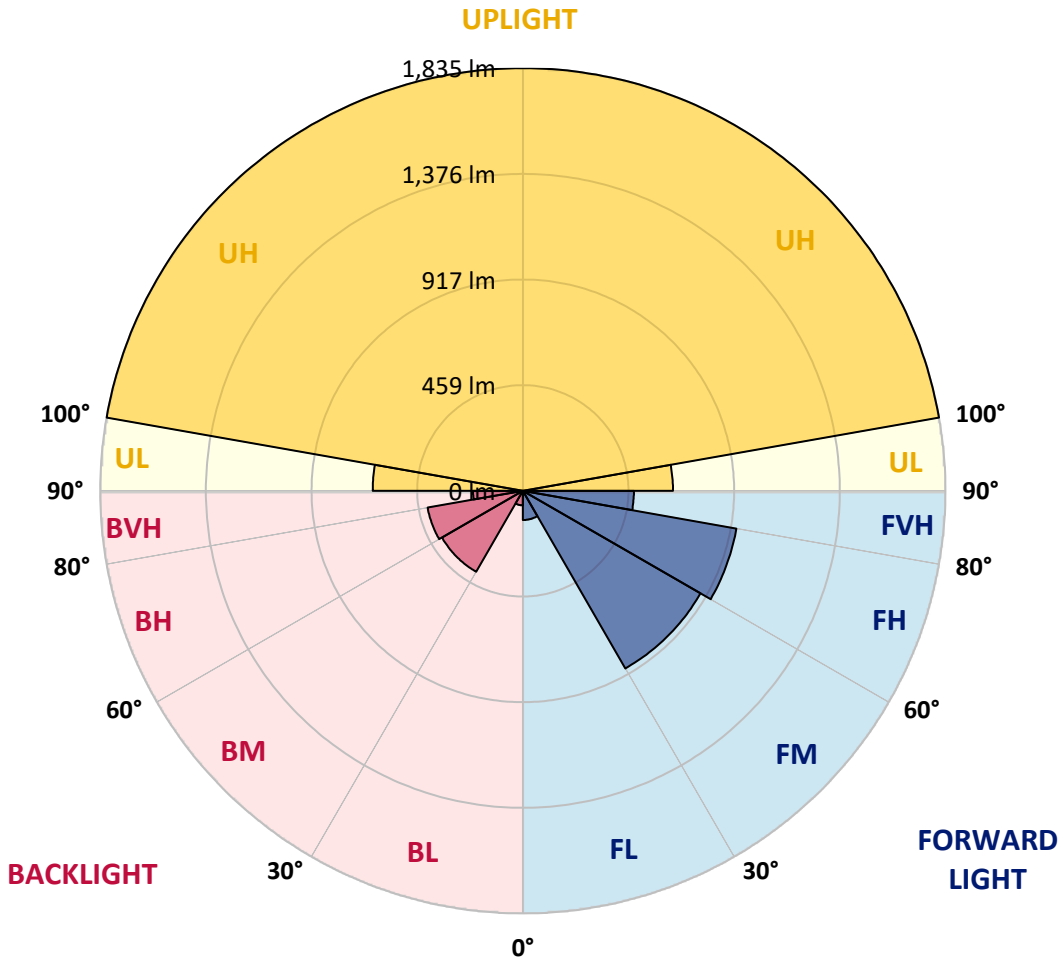
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	126.7	2.1			
FM	(30°-60°)	890.7	14.8			
FH	(60°-80°)	941.5	15.6			G1/1800
FVH	(80°-90°)	482.2	8.0			G3/500
BL	(0°-30°)	63.2	1.0	B0/110		
BM	(30°-60°)	405.6	6.7	B1/1000		
BH	(60°-80°)	419.6	7.0	B1/500		G1/500
BVH	(80°-90°)	216.4	3.6			G2/225
UL	(90°-100°)	651.7	10.8		U4/1000	
UH	(100°-180°)	1834.8	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°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	52.1	52.1	52.5	52.5	51.7	52.1	51.3	50.2	49.4	47.5	46.7
5°	75.8	74.7	75.1	74.3	72.8	72.0	68.9	66.6	62.8	58.6	56.7
7.5°	105.3	105.7	104.2	102.2	101.9	97.6	96.9	89.6	86.5	79.3	77.4
10°	141.7	140.9	139.4	139.0	135.6	131.3	124.8	121.0	111.1	105.7	101.5
12.5°	181.5	181.9	179.2	176.5	173.5	167.7	158.9	152.8	144.7	133.6	128.3
15°	224.4	222.9	222.9	219.8	215.2	208.7	201.8	193.0	181.5	169.6	162.0
17.5°	264.2	267.3	266.1	262.3	258.1	250.1	242.8	230.5	217.9	204.9	195.3
20°	314.0	314.8	312.9	309.4	305.6	296.4	287.6	275.3	259.6	239.3	231.3
22.5°	364.2	365.7	365.7	363.8	358.4	350.4	336.2	322.8	303.3	283.0	269.6
25°	422.0	420.8	422.0	420.8	412.0	404.8	390.2	374.1	353.1	328.2	312.1
27.5°	480.2	481.7	478.7	476.0	472.5	461.1	445.4	425.1	398.6	372.6	355.4
30°	536.9	540.3	540.3	537.3	531.9	520.4	502.8	481.0	451.9	418.9	398.6
32.5°	596.2	597.4	598.9	598.5	592.4	581.3	561.8	532.3	499.7	463.4	443.4
35°	659.0	655.6	656.3	654.1	651.4	637.6	615.0	586.7	551.4	510.8	486.7
37.5°	711.1	709.6	710.7	712.6	705.4	691.2	665.2	632.2	593.5	551.0	526.9
40°	760.5	759.4	761.3	761.7	754.4	737.9	710.3	678.6	636.8	587.8	565.2
42.5°	801.9	801.9	803.8	806.1	798.4	780.8	752.8	714.9	672.0	622.7	595.1
45°	840.2	839.0	842.8	844.0	836.3	818.7	787.3	749.0	703.1	652.9	624.2
47.5°	870.8	871.2	875.0	877.3	870.4	850.5	818.7	778.1	730.3	677.8	648.3
50°	896.1	899.5	903.0	905.6	898.4	878.5	845.5	801.5	753.6	700.8	670.1
52.5°	921.3	921.3	926.7	930.1	922.1	901.4	867.0	824.1	775.1	719.2	689.3
55°	937.4	937.8	944.3	945.5	940.5	919.0	883.8	840.9	791.9	735.6	703.8
57.5°	951.6	952.0	959.3	961.9	955.0	934.4	898.4	853.9	806.1	748.6	716.5
60°	963.8	963.5	969.6	973.4	966.5	944.7	909.5	866.2	817.2	760.5	727.2
62.5°	971.5	971.5	978.8	982.6	975.3	953.9	917.9	875.0	826.0	768.5	735.6
65°	975.0	975.7	982.6	987.2	980.3	958.5	922.5	880.4	832.1	775.1	741.7
67.5°	976.1	976.5	984.9	989.5	983.0	960.8	925.2	883.8	836.7	779.3	745.6
70°	976.9	977.2	983.8	988.4	982.6	960.4	925.9	885.3	839.4	781.6	747.9
72.5°	972.7	973.8	981.1	986.4	979.5	957.7	924.0	885.3	839.0	783.1	748.6
75°	967.3	970.0	976.5	981.1	975.0	953.9	921.0	883.8	838.6	782.3	748.6
77.5°	961.9	962.3	970.7	975.0	968.4	947.0	915.6	880.0	836.3	780.0	746.0
80°	951.2	953.5	960.8	964.6	958.9	938.6	907.9	874.6	832.1	776.2	741.7
82.5°	943.5	942.8	950.1	953.5	947.8	926.7	899.1	866.2	826.0	769.7	736.0
85°	929.0	930.5	936.3	939.3	932.8	913.7	887.3	857.8	817.6	762.4	728.3
87.5°	915.2	916.0	919.8	923.3	916.7	898.4	873.9	845.9	807.2	753.2	719.9
90°	898.0	898.4	902.6	905.3	899.5	882.3	859.7	832.5	796.1	742.9	709.6
92.5°	881.9	881.1	884.2	885.3	880.4	863.5	843.2	817.9	782.7	730.3	698.1
95°	860.8	860.5	863.1	862.4	857.0	842.5	824.1	801.9	767.0	716.9	685.1
97.5°	837.5	837.9	839.4	838.6	832.9	819.5	805.3	783.1	750.9	701.2	670.5
100°	811.4	812.6	814.9	812.6	807.6	797.7	782.7	764.3	732.6	685.5	655.2
102.5°	789.6	786.5	785.8	785.4	780.4	771.6	760.1	744.0	714.6	668.2	639.1
105°	760.9	759.0	758.6	754.4	752.5	745.2	735.6	721.1	694.6	651.0	622.7
107.5°	730.6	731.0	729.5	724.5	721.8	716.9	711.5	698.5	673.2	631.8	605.8
110°	703.5	701.5	697.3	695.0	693.1	688.9	685.5	675.5	652.1	613.5	587.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	669.8	670.9	665.9	*664.4*	661.3	660.9	658.6	650.6	629.9	593.9	569.4
115°	639.5	638.7	633.8	*630.7*	629.5	630.3	631.8	626.1	607.0	572.9	550.3
117.5°	606.2	603.9	600.4	*597.4*	595.8	598.9	602.4	599.7	583.6	551.4	530.0
120°	570.6	571.0	566.0	*562.9*	563.3	568.3	572.9	571.3	556.0	527.3	508.2
122.5°	537.3	535.3	531.1	*528.1*	530.7	536.1	541.5	541.1	527.7	499.7	482.5
125°	500.9	500.5	496.3	*493.2*	495.5	501.6	508.2	508.9	496.3	472.9	455.7
127.5°	466.4	465.3	464.5	*461.1*	462.6	471.0	475.6	475.2	464.1	442.7	427.7
130°	433.5	433.1	428.5	*427.0*	428.9	435.8	440.4	439.6	430.8	412.0	398.6
132.5°	400.2	398.6	396.7	*394.4*	396.0	401.7	407.8	407.1	396.7	378.7	368.0
135°	367.2	366.1	364.6	*363.0*	364.2	369.9	375.3	373.7	364.9	348.9	338.1
137.5°	337.0	335.8	333.9	*332.0*	333.5	338.1	341.6	340.4	333.2	317.8	307.5
140°	305.6	306.3	304.0	*302.5*	303.3	307.9	310.6	309.0	301.0	288.3	279.9
142.5°	276.9	276.9	275.7	*275.3*	276.5	278.8	281.1	278.0	272.6	259.6	252.7
145°	249.3	249.7	249.3	*248.5*	248.9	251.6	252.0	250.8	244.7	235.1	227.5
147.5°	223.3	224.4	223.6	*223.6*	224.0	225.2	226.7	224.0	218.7	210.2	204.9
150°	199.1	199.9	199.9	*199.1*	199.1	200.7	200.7	198.7	194.5	187.6	182.7
152.5°	178.1	178.4	178.4	*177.7*	178.1	178.4	177.7	175.4	171.9	166.6	162.7
155°	158.9	159.7	158.5	*158.9*	157.8	158.2	157.8	156.2	152.4	147.8	145.5
157.5°	141.7	142.8	142.1	*142.1*	141.3	140.9	140.5	139.0	136.3	132.5	129.8
160°	127.9	128.7	127.5	*127.5*	126.8	126.8	125.2	124.5	121.8	118.3	116.8
162.5°	116.0	116.0	115.6	*116.0*	115.6	114.5	113.7	112.2	109.9	107.2	106.1
165°	106.5	106.1	106.1	*105.7*	105.3	104.5	103.4	102.6	100.3	98.0	97.3
167.5°	99.2	98.8	98.4	*98.0*	97.3	96.9	95.7	95.0	93.1	91.1	90.4
170°	93.1	93.1	92.3	*91.9*	91.5	90.8	89.6	88.5	86.9	85.8	85.0
172.5°	87.7	87.7	87.3	*86.9*	86.5	85.8	84.6	83.9	82.7	81.6	80.8
175°	83.9	83.9	83.5	*82.7*	82.3	81.6	80.8	80.0	78.9	78.1	77.7
177.5°	80.8	80.8	80.8	*80.0*	79.7	78.9	78.1	77.4	77.0	76.2	76.2
180°	77.0	77.0	77.0	*77.0*	77.0	77.0	77.0	77.0	77.0	77.0	77.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	45.6	43.3	41.4	38.3	35.6	33.3	31.8	30.6	29.9	29.1
5°	54.4	50.2	46.0	41.4	37.1	33.3	30.3	28.0	26.8	26.8
7.5°	74.3	67.8	60.5	54.0	49.0	44.0	39.4	36.8	35.2	34.5
10°	97.3	87.7	80.4	72.4	63.6	57.4	52.1	48.6	46.7	47.1
12.5°	124.8	113.0	103.8	91.9	82.3	72.8	67.0	62.0	59.7	59.4
15°	155.5	141.7	128.3	114.1	101.5	90.4	81.9	75.4	71.6	71.2
17.5°	187.6	170.4	152.4	136.3	119.9	106.1	94.6	86.9	82.7	82.7
20°	220.2	200.7	179.6	158.5	138.6	121.8	108.4	98.4	93.1	92.3
22.5°	257.7	232.8	207.6	181.9	159.3	138.2	121.0	109.1	103.4	102.2
25°	298.7	269.2	239.0	208.7	180.7	155.5	135.6	122.2	114.1	113.0
27.5°	341.2	305.6	270.0	234.7	202.2	174.2	150.1	132.9	124.8	123.7
30°	382.9	343.9	302.5	261.2	224.4	192.2	164.7	144.7	134.8	133.3
32.5°	423.9	379.5	333.9	288.0	247.8	210.2	178.1	156.6	144.4	142.8
35°	463.0	417.0	363.8	314.4	268.4	228.2	192.2	167.3	153.6	152.0
37.5°	501.3	449.2	393.3	338.9	289.1	243.5	205.3	177.3	162.0	160.4
40°	537.6	479.8	418.9	361.5	307.1	258.9	216.4	186.1	168.9	167.0
42.5°	565.6	506.2	442.7	380.6	322.8	270.4	226.3	193.0	174.2	171.6
45°	593.5	530.0	463.0	397.5	336.6	281.5	234.4	199.1	179.2	176.1
47.5°	616.5	550.3	479.4	411.3	348.1	291.0	241.2	203.3	182.3	179.2
50°	638.4	568.3	494.8	423.9	358.4	299.5	247.0	206.8	184.2	181.1
52.5°	655.2	583.2	507.0	433.9	366.9	305.6	251.6	209.1	185.3	181.9
55°	669.4	595.5	517.0	441.5	373.4	310.9	255.0	210.2	185.3	181.9
57.5°	681.2	605.0	525.0	448.4	378.3	314.4	257.3	210.6	184.2	180.7
60°	691.6	613.8	531.5	453.8	382.9	317.8	258.9	210.6	183.0	179.2
62.5°	700.0	620.0	536.5	458.0	386.4	320.5	259.6	209.8	180.7	176.9
65°	705.0	624.2	539.6	460.3	388.3	321.3	259.6	208.7	178.4	174.6
67.5°	*709.2*	*626.9*	*541.5*	*461.4*	*389.4*	*322.0*	*259.2*	*206.8*	*176.1*	*172.3*
70°	711.1	628.0	542.2	462.2	390.2	321.7	258.1	205.3	173.9	169.3
72.5°	711.5	628.4	541.9	462.2	390.2	321.7	256.9	203.0	171.2	167.0
75°	710.7	627.2	540.7	461.8	389.8	320.5	255.8	201.0	168.9	164.3
77.5°	708.4	624.9	538.8	460.3	387.9	319.4	253.5	198.7	166.2	162.0
80°	704.6	621.1	535.7	457.6	385.6	317.1	251.6	196.4	163.9	159.7
82.5°	698.9	616.1	531.9	454.2	383.3	314.4	249.3	194.1	161.6	157.4
85°	692.0	610.0	526.2	449.9	379.9	311.3	246.2	191.5	159.3	155.1
87.5°	682.4	602.4	520.0	445.0	375.3	307.5	242.8	189.2	157.4	153.2
90°	673.2	593.9	513.5	439.6	371.1	304.0	239.7	186.5	155.9	151.6
92.5°	662.5	584.0	505.5	433.5	365.3	299.5	236.7	184.2	154.3	150.5
95°	650.2	573.3	497.0	426.2	360.0	294.9	232.8	181.9	152.8	149.3
97.5°	636.4	561.8	487.9	418.5	353.4	289.9	229.4	180.0	152.0	148.2
100°	622.3	548.7	477.9	410.9	346.9	284.5	225.9	178.1	151.6	148.2
102.5°	606.2	536.9	467.9	403.2	340.4	279.5	222.5	176.9	151.6	148.2
105°	590.9	523.1	457.2	394.8	333.9	274.6	219.4	176.1	152.0	149.0
107.5°	574.4	510.1	446.5	386.0	326.6	269.6	216.7	175.4	152.8	149.7
110°	559.1	497.4	436.5	377.6	320.1	265.0	214.1	175.0	153.6	150.9

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

Scaled Data Report

REPORT NUMBER: P1223992
CATALOG NUMBER: FFX-CLB-40-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	542.2	483.6	425.4	368.4	313.2	259.6	211.4	174.2	154.3	152.0
115°	524.6	469.1	414.3	359.2	305.2	254.7	208.7	173.9	155.1	152.8
117.5°	505.5	453.4	400.9	348.5	296.8	248.5	204.9	172.3	155.1	152.8
120°	484.8	436.9	386.4	337.0	287.2	241.2	201.0	170.4	154.3	152.4
122.5°	462.2	417.4	369.5	322.4	276.5	232.8	195.3	167.0	152.4	150.5
125°	437.3	395.6	352.3	306.7	263.1	223.3	188.4	163.1	149.3	147.8
127.5°	411.3	373.0	331.6	290.3	250.4	212.9	181.1	157.4	145.1	143.6
130°	382.2	347.7	310.2	271.9	235.5	201.0	172.3	150.9	139.8	138.2
132.5°	354.2	322.8	289.1	255.0	219.8	189.6	162.7	143.6	134.0	132.5
135°	325.1	297.5	267.3	235.1	205.3	176.9	153.2	136.3	127.5	126.4
137.5°	296.8	273.4	245.1	216.7	190.3	164.7	144.0	129.4	121.4	120.6
140°	270.4	248.5	224.8	199.9	175.4	153.2	135.2	121.8	115.3	114.1
142.5°	244.7	225.9	204.5	183.4	160.8	142.1	126.4	114.5	109.1	108.4
145°	220.6	204.9	186.1	167.0	147.8	131.3	117.9	108.0	103.4	103.0
147.5°	198.0	185.0	168.5	152.4	136.3	122.5	110.3	102.6	98.4	98.0
150°	177.3	165.4	152.4	138.6	125.2	113.0	103.8	96.9	93.4	93.1
152.5°	157.8	148.6	137.9	126.8	115.3	105.7	97.3	92.3	89.6	89.2
155°	140.9	133.6	124.8	115.3	106.5	98.8	92.3	88.5	86.2	86.2
157.5°	126.8	120.6	114.1	106.5	99.2	93.1	88.5	85.0	83.1	83.1
160°	114.5	109.1	104.2	98.4	93.4	88.5	85.0	82.3	80.8	80.8
162.5°	104.2	100.3	96.5	92.3	88.1	85.0	81.9	80.0	79.3	78.9
165°	95.7	93.4	90.4	87.3	84.6	81.9	80.0	78.9	78.1	78.1
167.5°	89.2	87.7	85.4	83.5	81.6	79.7	78.5	77.7	77.4	77.4
170°	84.2	83.1	81.6	80.4	79.3	78.1	77.4	77.0	76.6	76.6
172.5°	80.4	79.3	78.5	78.1	77.4	77.0	76.6	76.2	76.2	76.2
175°	77.7	77.0	77.0	76.6	76.2	76.2	75.8	75.8	75.8	76.2
177.5°	75.8	75.8	75.8	75.8	75.8	76.2	76.2	76.2	76.6	76.6
180°	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0

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

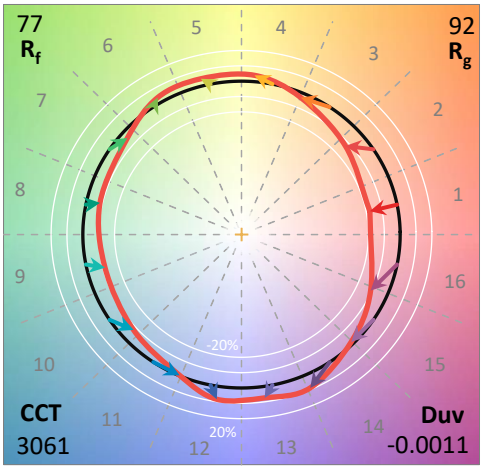
Test Information

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

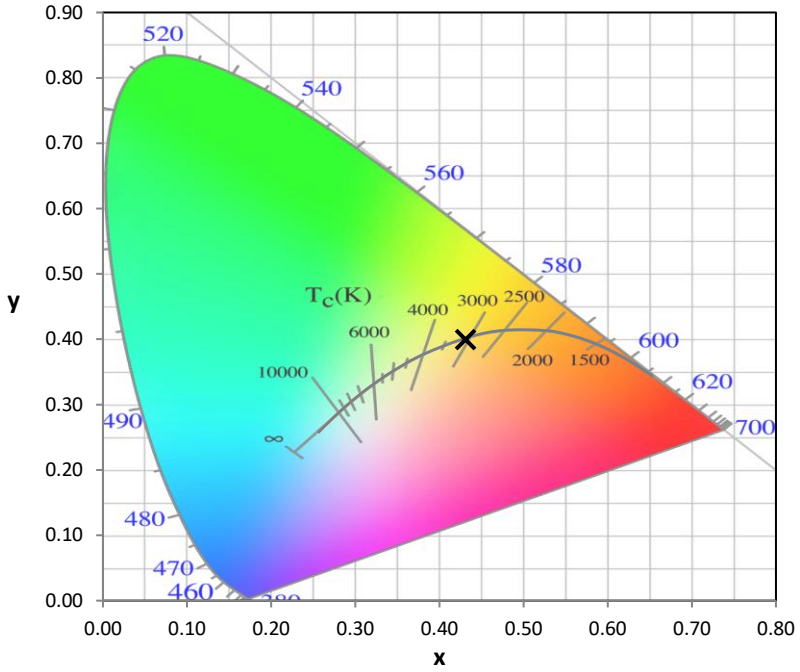
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

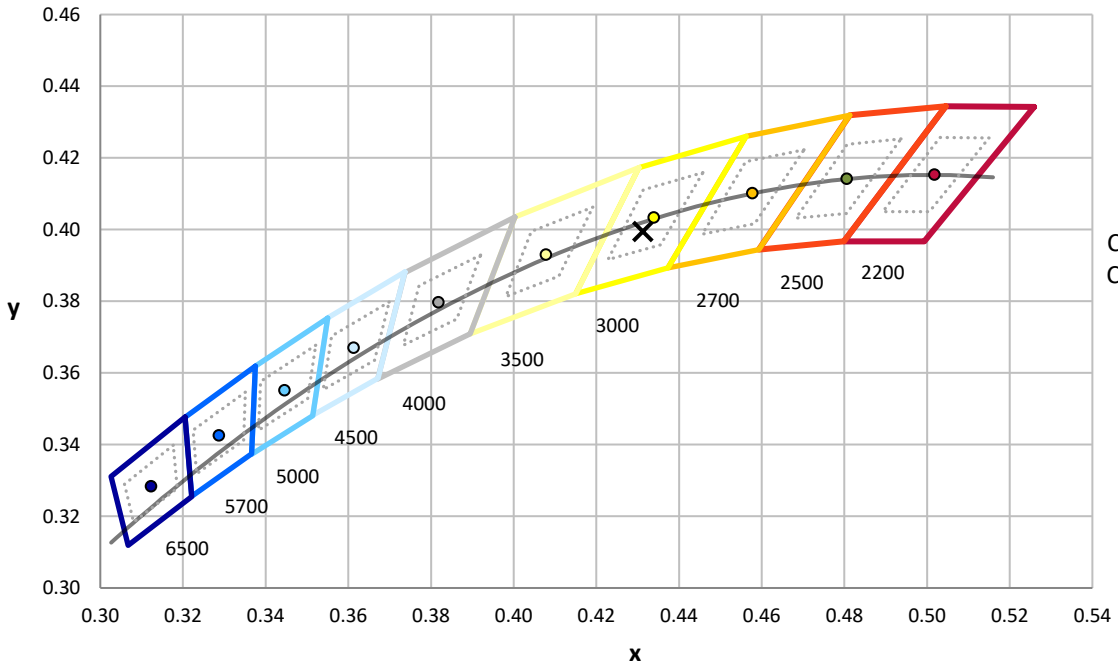
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

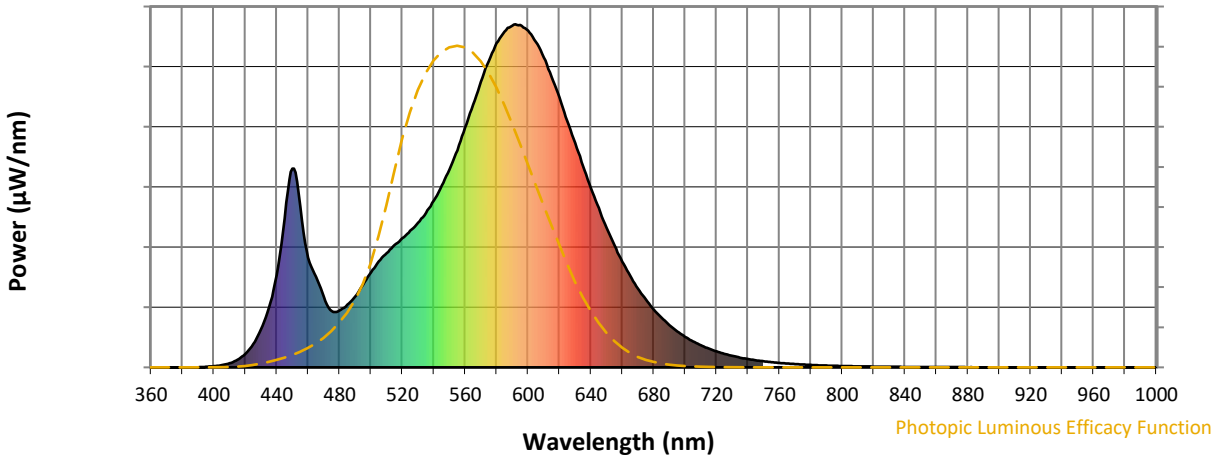


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

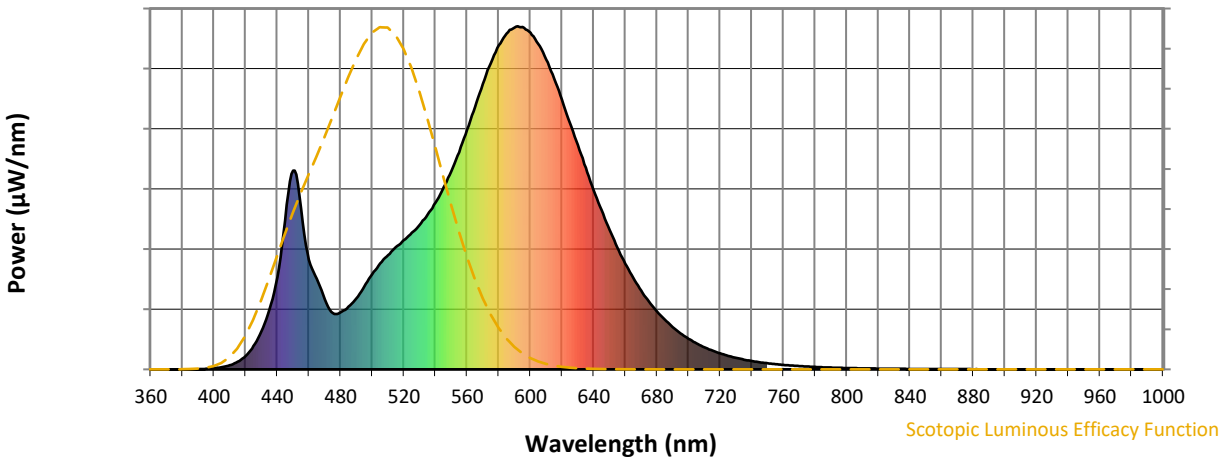


Photopic Lumens: NR

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

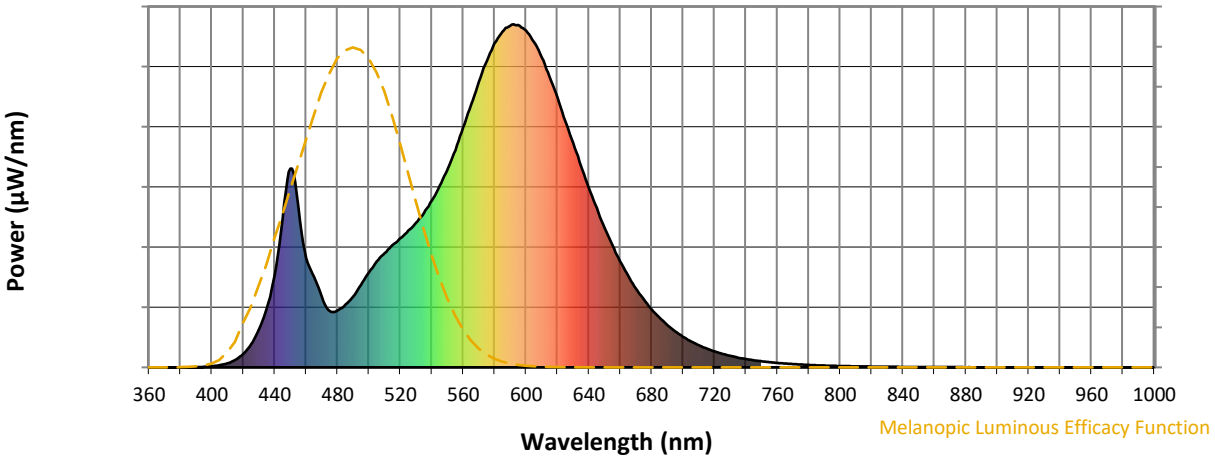


Scotopic Lumens: NR **S/P: 1.29**

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			

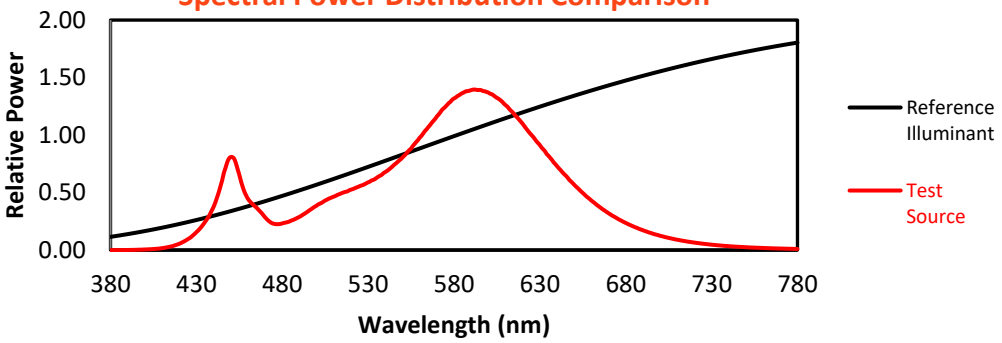
REPORT NUMBER: SP1-2501-332-4

TM-30-18

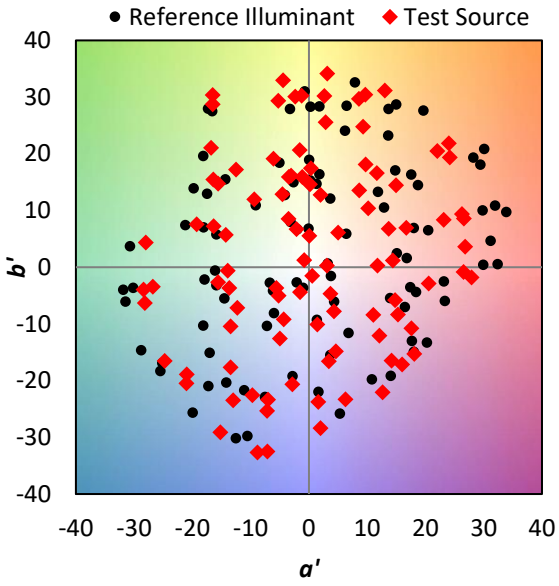
Summary

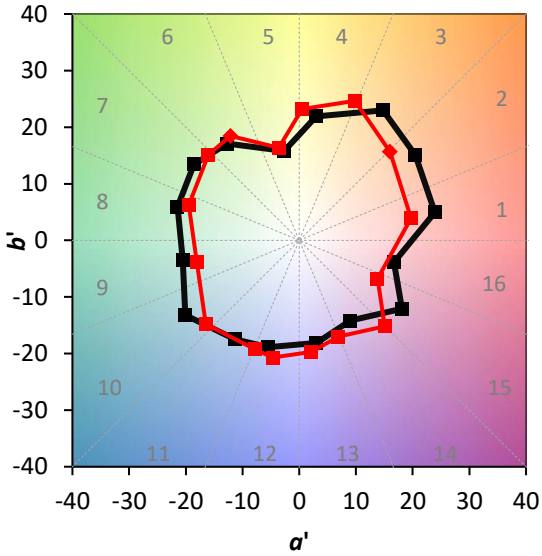
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

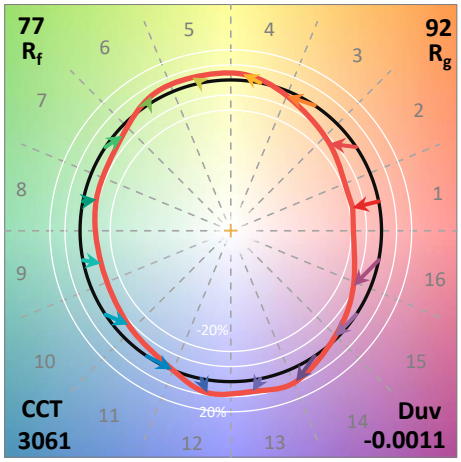
Spectral Power Distribution Comparison

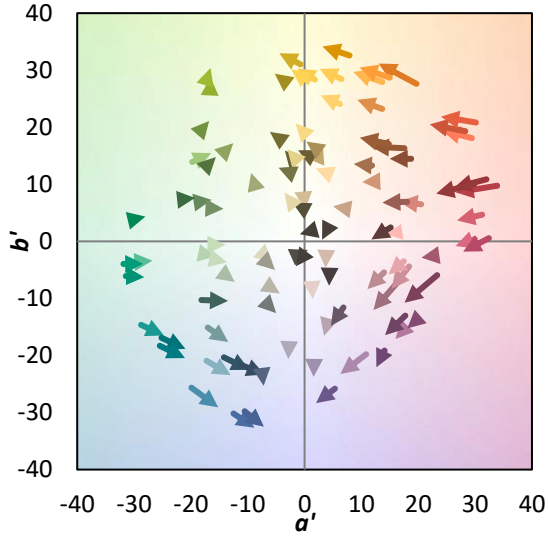


Color Vector Graphics







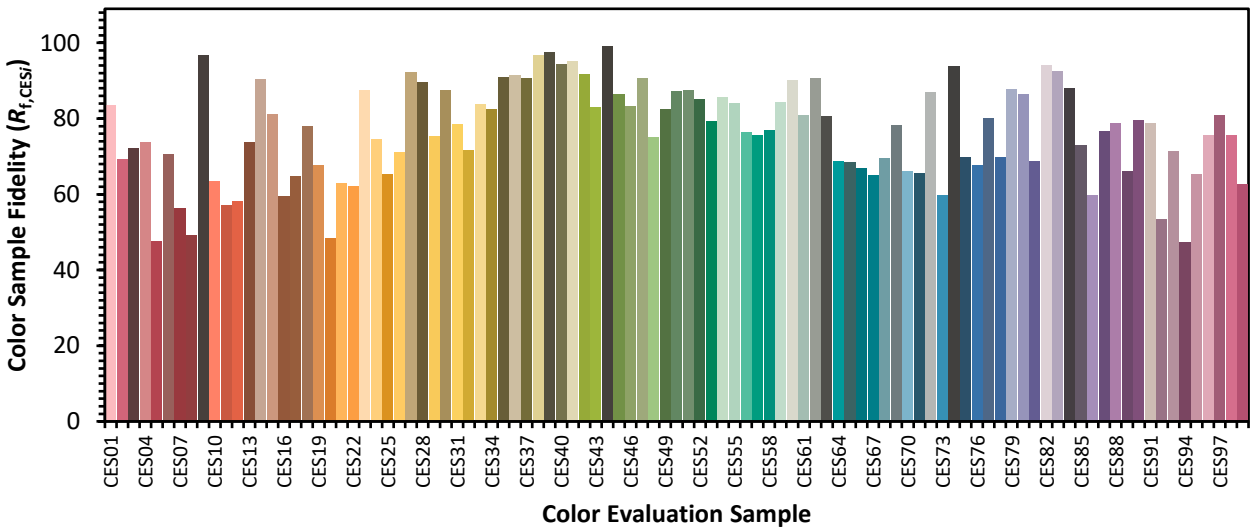


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

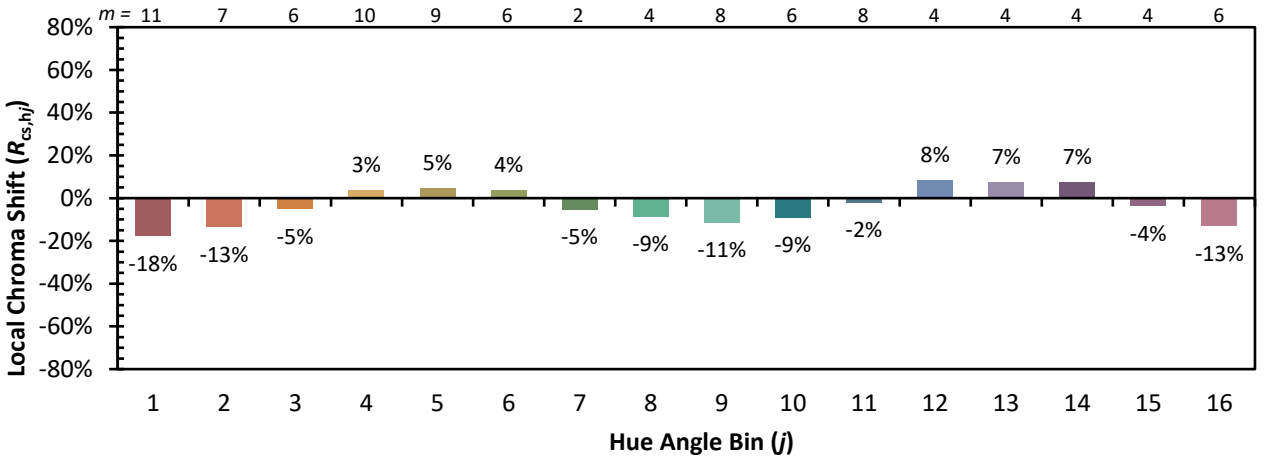
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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	

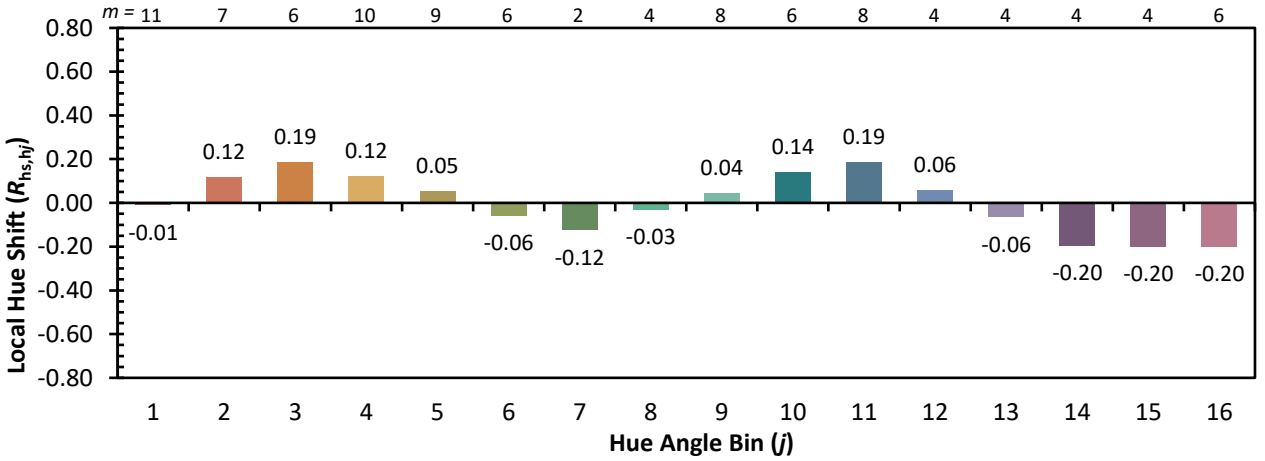


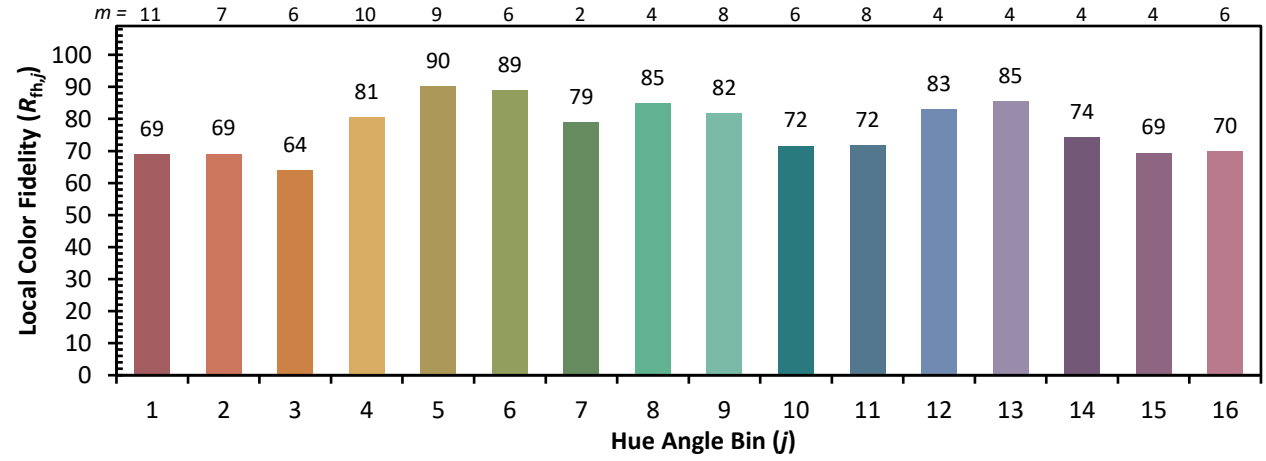
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



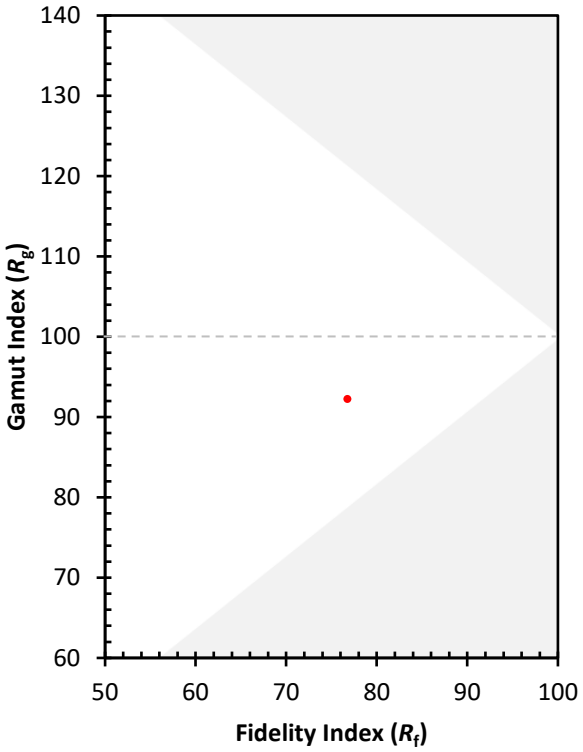


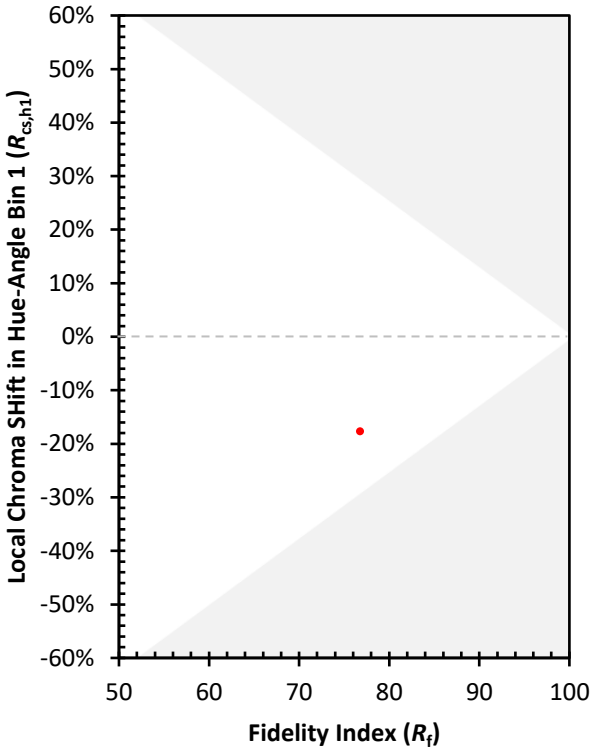


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)