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: P1223903

Luminaire Tested: **FFX-CLB-30-730-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:	P1223903
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-730-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:	4684.3 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):	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

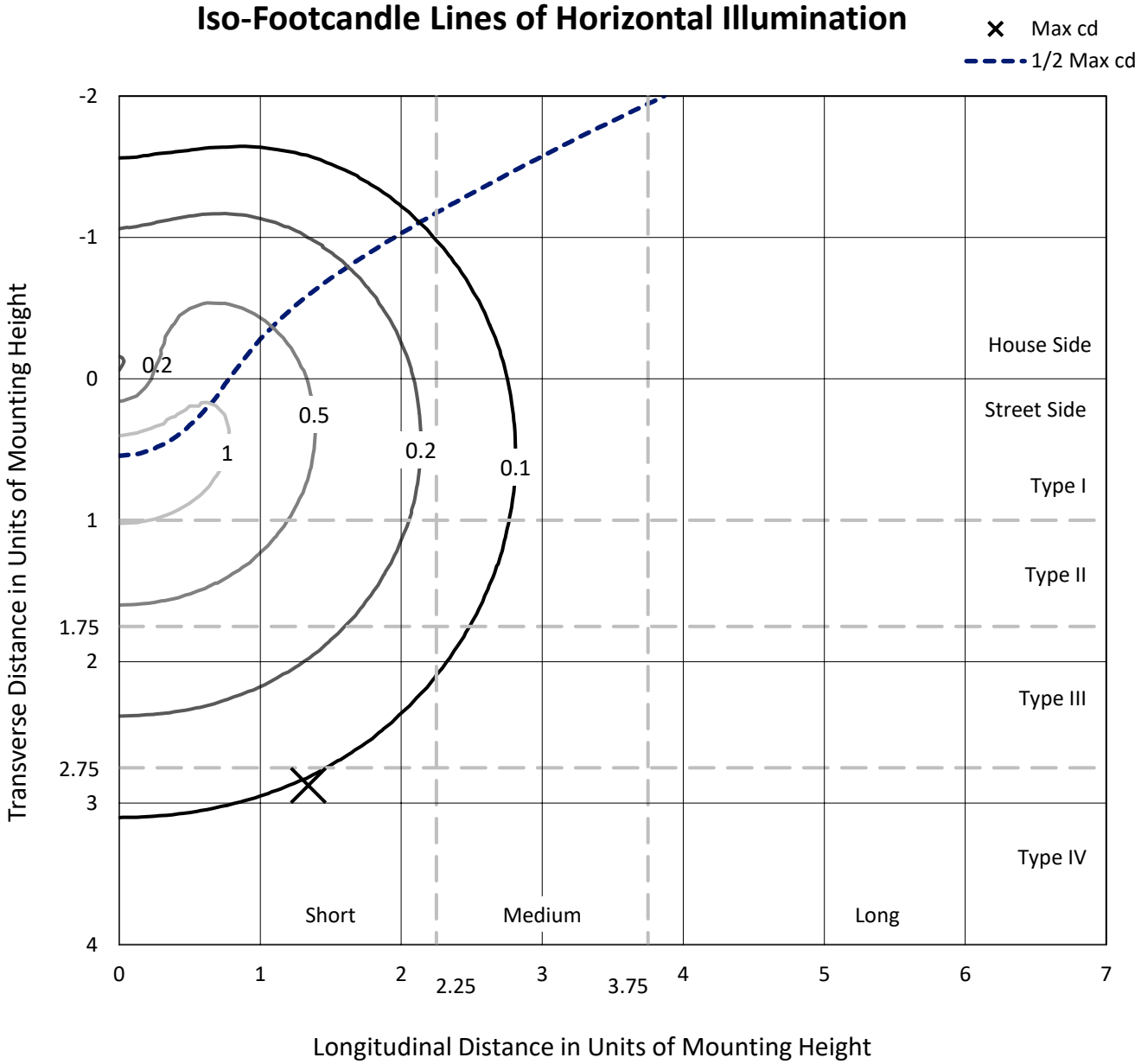


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Iso-Footcandle Lines of Horizontal Illumination



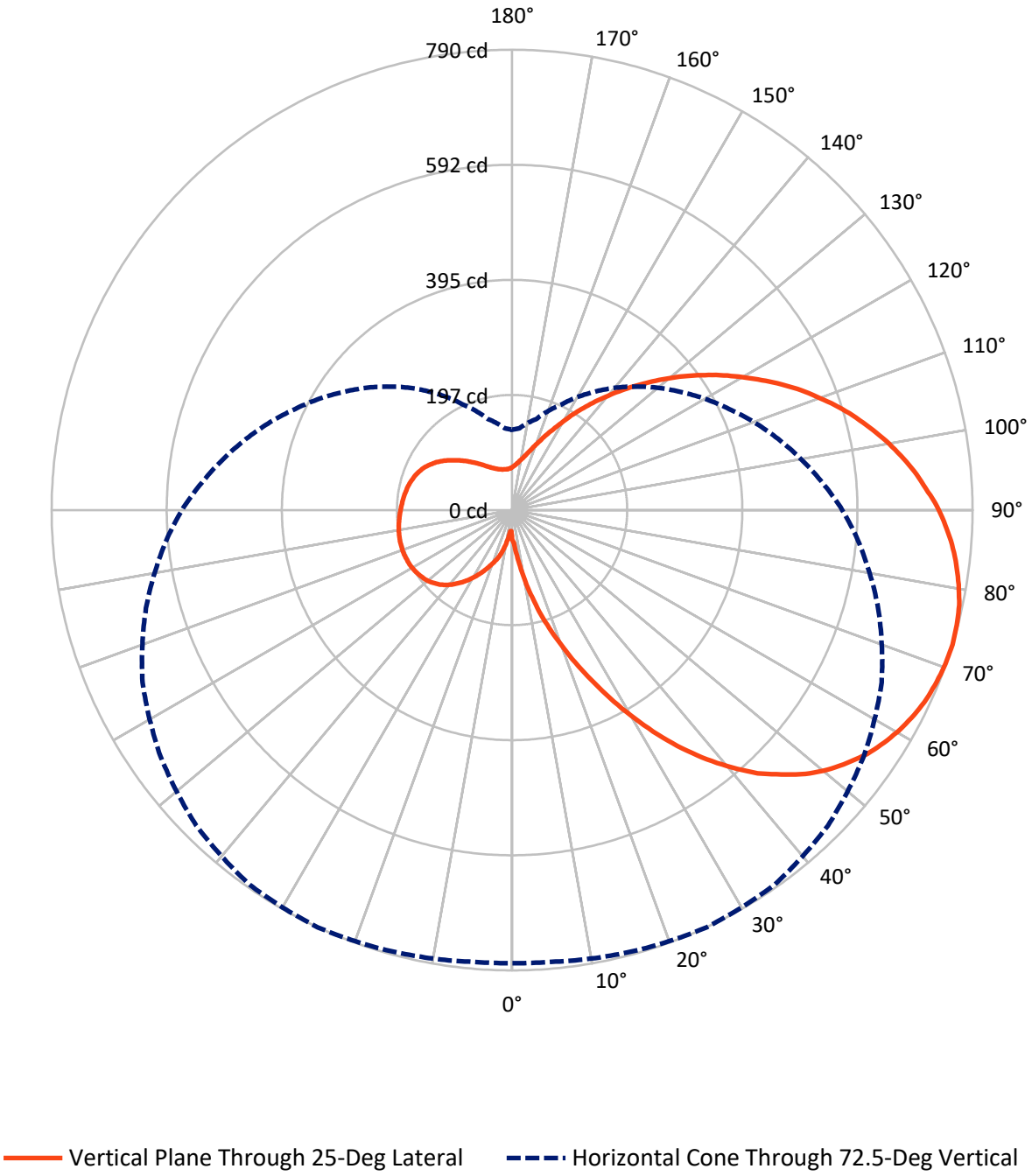
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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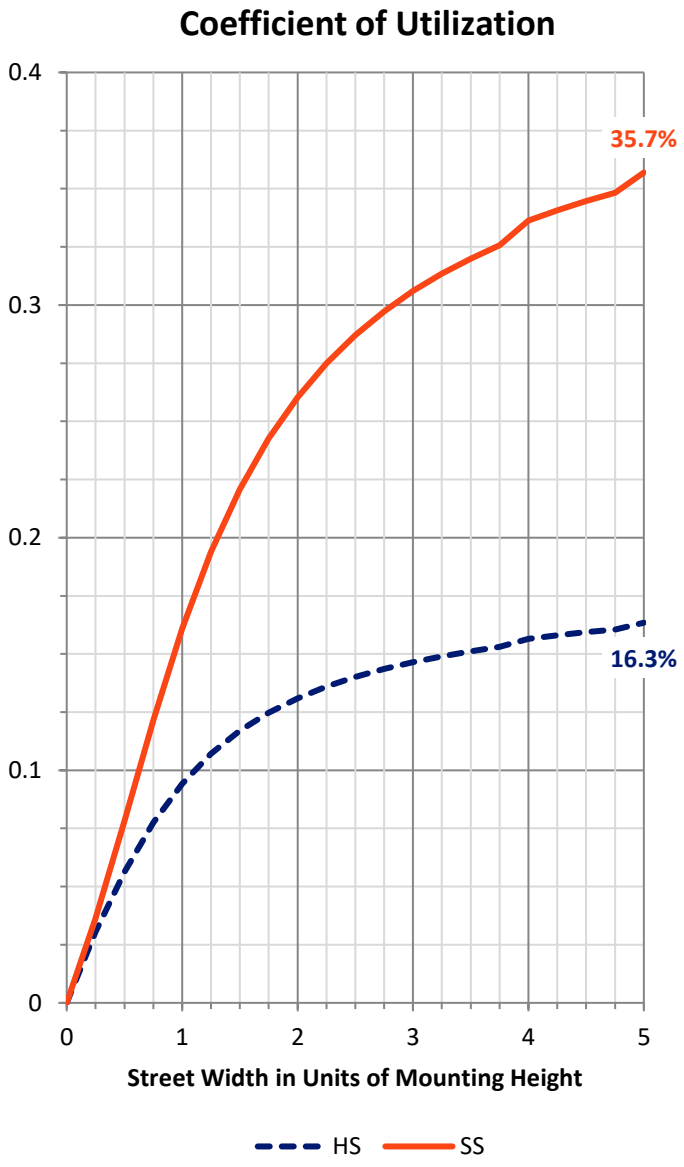
REPORT NUMBER: P1223903
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	844.0	645.9	1489.8
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	1908.8	1285.6	3194.5
	% Fixture	40.7	27.4	68.2
Total	Lumens	2752.8	1931.5	4684.3
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	39.8	0.8
20°-30°	108.3	2.3
30°-40°	214.7	4.6
40°-50°	335.1	7.2
50°-60°	439.3	9.4
60°-70°	512.6	10.9
70°-80°	550.0	11.7
80°-90°	546.4	11.7
90°-100°	506.9	10.8
100°-110°	441.4	9.4
110°-120°	357.2	7.6
120°-130°	262.9	5.6
130°-140°	173.9	3.7
140°-150°	102.9	2.2
150°-160°	54.1	1.2
160°-170°	25.0	0.5
170°-180°	7.2	0.2
0°-90°	2752.8	58.8
0°-180°	4684.3	100.0



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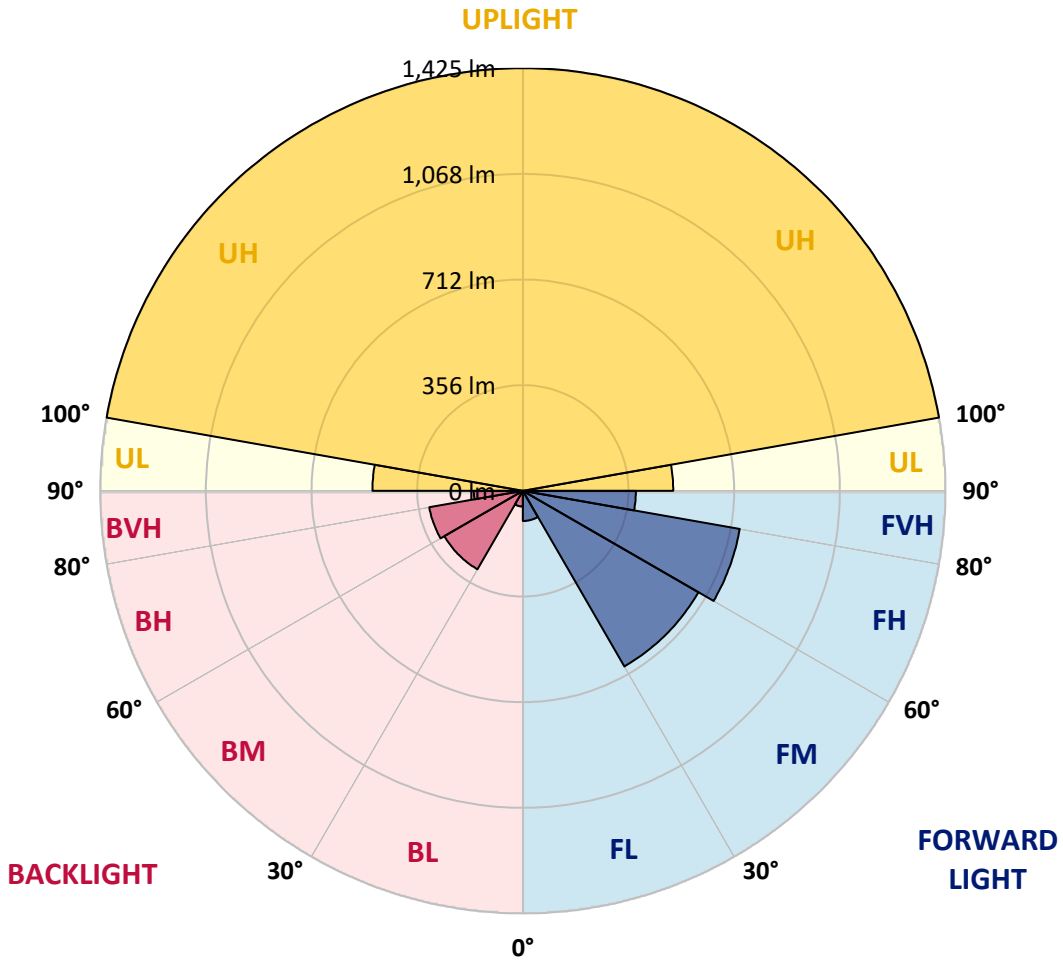
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	101.7	2.2			
FM	(30°-60°)	683.7	14.6			
FH	(60°-80°)	742.5	15.9			G1/1800
FVH	(80°-90°)	380.9	8.1			G3/500
BL	(0°-30°)	53.0	1.1	B0/110		
BM	(30°-60°)	305.4	6.5	B1/1000		
BH	(60°-80°)	320.1	6.8	B1/500		G1/500
BVH	(80°-90°)	165.5	3.5			G2/225
UL	(90°-100°)	506.9	10.8		U4/1000	
UH	(100°-180°)	1424.6	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°	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
2.5°	54.7	54.7	55.6	55.9	56.3	56.3	56.6	56.3	55.0	53.4	52.5
5°	74.6	74.0	73.6	74.0	74.0	72.7	70.8	67.3	64.8	60.7	59.1
7.5°	99.9	99.2	98.3	97.3	97.3	94.2	91.0	88.2	83.8	78.1	76.2
10°	129.3	128.0	126.7	124.8	122.6	119.8	115.7	110.9	104.9	98.9	95.1
12.5°	158.0	157.7	157.1	154.2	150.1	147.6	143.2	136.5	128.9	120.7	117.6
15°	191.2	189.6	188.7	186.5	183.9	178.9	171.6	165.3	156.4	145.1	141.3
17.5°	221.9	221.2	219.3	218.7	214.6	209.2	201.0	191.5	180.8	170.4	164.7
20°	255.4	257.0	254.7	252.8	245.6	240.2	232.6	223.4	210.5	195.6	189.6
22.5°	292.7	294.2	290.8	290.8	284.8	275.9	265.2	254.4	238.3	222.8	215.2
25°	336.0	336.6	331.2	329.0	324.6	315.7	302.8	290.1	271.5	251.9	243.0
27.5°	377.1	378.3	375.2	372.3	365.0	356.5	342.3	327.4	306.3	282.9	273.1
30°	423.5	421.0	419.7	414.7	407.1	398.2	382.4	366.0	341.7	314.2	302.1
32.5°	464.6	462.7	463.6	459.5	448.5	438.7	423.8	403.9	375.5	346.7	333.1
35°	506.9	507.9	506.6	502.2	495.6	482.6	462.4	439.9	411.5	377.7	363.1
37.5°	550.2	548.0	546.5	542.7	536.0	521.5	501.6	476.3	443.4	407.7	391.6
40°	587.5	589.1	587.2	580.9	574.9	558.8	537.0	508.2	474.4	436.2	417.5
42.5°	622.9	622.3	620.7	617.3	609.0	592.0	570.5	541.1	502.8	460.5	440.9
45°	651.4	652.0	652.0	647.0	639.4	623.9	599.2	569.2	528.4	483.9	463.3
47.5°	678.6	679.5	678.9	676.7	668.5	650.1	625.2	594.2	550.9	505.1	482.0
50°	702.6	702.6	702.3	700.4	692.5	674.8	649.2	616.0	571.1	522.8	500.0
52.5°	722.5	722.2	722.5	720.3	712.1	695.9	669.4	634.0	589.1	537.6	515.5
55°	738.3	737.4	739.6	738.6	731.3	713.3	685.2	650.8	604.3	551.8	528.4
57.5°	750.9	750.6	753.5	752.5	745.3	727.2	699.4	664.3	616.9	563.5	537.9
60°	761.4	760.7	764.5	764.5	757.3	739.2	711.8	674.8	627.0	572.7	546.8
62.5°	768.6	769.0	772.4	773.7	767.4	749.0	720.3	683.9	635.3	580.0	553.7
65°	773.7	774.3	778.4	781.0	774.6	756.6	726.9	690.6	641.9	586.0	559.1
67.5°	776.9	777.2	782.9	785.4	780.3	761.4	732.6	695.3	646.3	589.8	563.2
70°	778.1	778.4	784.8	788.6	783.5	764.2	735.1	697.8	649.2	592.3	565.4
72.5°	777.2	777.8	784.4	789.5	784.4	765.5	736.1	699.1	649.8	595.1	566.1
75°	774.0	774.6	782.2	787.3	783.5	763.9	734.5	697.8	648.9	592.6	565.1
77.5°	768.6	769.6	777.5	783.8	779.4	760.7	731.3	694.4	645.4	589.4	561.6
80°	760.7	761.1	769.9	776.2	773.1	754.4	725.0	688.4	639.7	584.1	556.9
82.5°	750.6	751.9	760.4	767.4	764.5	745.3	716.8	680.8	632.4	577.4	549.9
85°	739.9	741.1	749.0	756.6	753.2	735.1	706.7	671.0	622.6	568.3	542.0
87.5°	726.9	727.9	735.5	743.4	740.2	722.2	694.7	659.6	612.5	559.7	532.9
90°	712.7	713.6	720.9	728.5	724.4	707.3	680.5	646.0	600.2	548.4	522.4
92.5°	697.5	697.8	706.1	710.2	708.0	692.8	666.2	633.1	587.2	536.7	512.3
95°	680.5	680.5	688.4	692.8	689.0	674.8	649.8	616.6	572.1	524.6	499.7
97.5°	661.8	662.4	668.5	672.9	671.6	656.8	633.1	601.4	558.8	511.7	488.0
100°	642.5	642.5	647.9	651.7	648.9	636.8	614.4	585.3	542.0	497.8	474.7
102.5°	622.3	622.0	626.4	629.3	627.4	616.3	595.4	566.7	526.2	483.2	461.4
105°	599.9	598.9	603.3	606.5	604.6	594.8	577.1	549.3	510.1	469.0	448.2
107.5°	575.8	577.4	580.0	581.9	580.3	571.7	555.0	530.3	493.4	454.2	433.9
110°	553.1	554.0	554.4	556.6	556.3	549.3	535.1	510.4	475.3	438.4	418.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	530.0	529.7	530.0	*531.6*	531.6	524.6	511.1	489.6	457.6	421.6	403.6
115°	505.1	503.8	504.1	*504.4*	505.7	500.3	488.6	468.4	437.1	405.2	387.5
117.5°	479.1	478.8	478.2	*477.2*	477.2	475.0	464.9	446.9	417.2	385.6	370.7
120°	454.5	453.2	451.6	*450.7*	451.3	448.8	440.6	422.6	396.3	367.9	353.0
122.5°	426.0	427.0	426.0	*424.8*	425.1	422.6	415.6	400.4	374.2	347.0	333.8
125°	401.7	401.4	400.1	*398.2*	398.2	397.3	389.7	376.4	353.0	327.1	314.8
127.5°	374.5	374.8	373.6	*372.6*	373.3	371.4	366.3	351.1	330.6	307.5	295.5
130°	348.9	348.6	348.3	*346.4*	348.0	344.5	340.1	327.4	307.8	288.2	277.2
132.5°	324.9	323.0	321.7	*321.4*	321.1	320.8	315.4	304.4	287.9	268.3	257.6
135°	300.9	299.3	297.7	*297.1*	297.7	296.1	291.4	282.2	267.1	248.1	239.9
137.5°	276.2	275.6	275.6	*274.0*	274.0	272.8	268.6	261.1	246.8	230.4	222.2
140°	254.1	252.8	252.2	*251.3*	252.2	250.9	246.5	239.3	227.2	213.0	205.1
142.5°	231.4	230.1	231.0	*230.1*	229.1	228.5	224.7	219.0	208.6	195.6	189.0
145°	210.2	210.2	209.5	*209.9*	209.2	208.6	204.8	199.4	190.6	178.6	173.8
147.5°	190.3	190.9	190.3	*190.9*	190.9	188.4	185.8	181.4	173.2	163.7	158.7
150°	171.6	172.6	171.9	*171.6*	171.9	170.7	167.2	164.7	157.4	149.2	144.1
152.5°	155.8	156.4	156.4	*155.8*	155.5	154.9	151.4	147.9	142.2	135.9	132.4
155°	141.0	141.0	141.3	*141.6*	140.6	138.7	137.5	134.6	129.6	123.9	120.4
157.5°	128.6	128.3	128.6	*128.3*	128.0	126.1	124.2	122.0	117.9	112.8	110.9
160°	116.9	116.9	117.3	*116.9*	115.7	114.7	113.1	111.3	107.8	104.3	101.8
162.5°	107.5	107.5	107.5	*107.1*	105.9	105.6	103.7	101.8	98.9	96.1	94.2
165°	99.2	99.2	98.9	*98.9*	98.3	97.3	95.8	94.2	91.7	89.4	88.2
167.5°	92.6	92.3	92.0	*91.7*	91.3	90.4	88.8	87.9	86.0	84.1	83.1
170°	86.9	86.9	86.6	*86.6*	86.0	85.0	84.1	82.8	81.5	79.6	79.0
172.5°	81.9	81.9	81.9	*81.9*	80.9	80.6	79.6	78.7	77.7	76.5	75.9
175°	78.1	78.1	78.1	*78.1*	77.4	76.8	76.5	75.5	74.9	74.0	73.6
177.5°	75.2	75.2	75.2	*75.2*	74.9	74.3	74.0	73.3	72.7	72.4	72.1
180°	72.7	72.7	72.7	*72.7*	72.7	72.7	72.7	72.7	72.7	72.7	72.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
2.5°	51.5	49.6	47.1	44.2	42.0	39.2	36.3	34.8	33.8	33.2
5°	57.5	53.4	49.6	45.5	42.4	39.5	36.3	33.8	32.6	32.2
7.5°	73.3	67.6	61.9	56.9	52.5	48.0	44.9	42.4	40.8	40.8
10°	92.3	84.4	77.7	71.1	65.1	59.7	55.3	52.8	50.9	50.3
12.5°	113.8	104.3	95.1	87.5	78.7	72.7	67.3	63.8	61.6	61.3
15°	136.2	126.4	114.7	104.3	94.5	85.0	78.7	73.6	71.7	71.7
17.5°	157.7	145.1	132.1	119.5	107.5	96.4	87.5	81.9	79.0	78.4
20°	180.8	165.6	148.9	134.0	119.2	106.2	95.8	88.5	84.7	84.4
22.5°	204.5	186.8	168.8	149.2	132.1	116.6	104.3	95.8	91.0	90.4
25°	231.7	210.2	188.7	167.2	146.6	128.3	113.8	103.3	98.0	97.3
27.5°	261.7	234.8	209.2	184.6	160.6	140.3	122.9	110.9	104.3	104.0
30°	289.2	259.5	230.4	202.0	175.7	151.4	132.1	118.2	110.9	110.0
32.5°	316.7	283.8	250.9	219.7	189.3	163.1	141.3	125.2	116.6	116.0
35°	345.1	307.8	272.1	236.1	204.5	174.8	149.8	132.1	122.9	121.7
37.5°	371.7	331.5	292.3	254.1	217.8	185.5	158.0	138.7	128.3	126.7
40°	396.0	352.7	310.7	269.6	230.4	195.6	165.9	144.4	132.7	131.5
42.5°	418.5	372.6	327.4	283.2	242.1	204.5	172.6	149.2	136.2	135.0
45°	439.6	391.3	342.9	295.8	252.2	212.7	178.9	153.6	139.7	137.8
47.5°	457.6	407.1	355.2	306.6	261.4	219.7	183.6	156.8	142.2	140.3
50°	473.8	420.3	366.9	317.0	269.3	226.0	188.1	159.3	143.5	141.6
52.5°	486.7	432.7	377.1	325.2	276.5	231.0	191.2	161.5	144.8	142.9
55°	499.4	442.8	385.9	332.5	281.9	235.8	193.7	162.8	145.4	143.2
57.5°	509.8	451.3	393.2	338.2	287.3	238.9	196.0	163.4	145.4	142.9
60°	517.4	458.0	398.9	342.9	290.8	241.8	197.5	163.7	145.1	142.5
62.5°	524.0	463.3	403.0	347.0	294.2	244.0	199.1	164.0	144.4	141.9
65°	529.1	467.8	406.4	349.6	296.5	245.9	199.4	163.7	143.5	141.0
67.5°	533.2	470.6	408.7	351.8	298.0	246.8	200.1	163.4	142.9	140.0
70°	534.8	471.9	409.9	352.7	299.0	247.5	200.1	162.8	141.6	138.7
72.5°	*534.4*	*471.9*	*410.2*	*353.0*	*299.3*	*247.8*	*199.7*	*161.8*	*140.6*	*137.8*
75°	533.5	470.9	409.6	352.7	299.0	247.5	199.4	161.2	139.7	137.2
77.5°	531.0	468.4	407.4	351.5	298.4	246.5	198.5	160.6	139.1	135.9
80°	526.5	464.6	404.2	348.6	296.1	245.6	197.5	159.3	137.8	135.3
82.5°	520.2	459.9	400.4	346.1	294.2	243.7	196.3	158.7	137.2	134.6
85°	513.0	453.9	395.4	342.3	291.4	241.8	194.7	157.4	136.5	134.0
87.5°	504.1	446.0	390.3	337.9	287.9	239.3	193.1	156.4	136.2	133.7
90°	494.9	438.7	384.0	333.8	285.1	236.7	191.5	155.8	135.9	133.7
92.5°	484.8	430.8	378.0	328.4	281.3	234.2	189.9	155.2	135.9	133.7
95°	474.7	422.6	372.0	323.6	277.5	231.7	188.4	154.9	136.5	134.3
97.5°	462.7	413.1	364.7	318.6	273.1	228.8	187.1	154.5	136.9	135.0
100°	451.3	403.6	357.1	312.9	269.0	225.7	185.2	154.2	137.5	135.3
102.5°	439.0	394.4	349.6	306.9	264.5	222.2	183.6	153.9	138.1	136.2
105°	426.7	383.4	341.3	299.9	259.2	218.7	181.7	153.6	138.4	136.5
107.5°	413.1	372.9	332.2	293.3	253.8	214.9	179.2	153.0	138.7	136.9
110°	399.2	360.6	322.7	285.7	247.5	210.2	176.7	151.4	138.4	136.9

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

Scaled Data Report

REPORT NUMBER: P1223903
CATALOG NUMBER: FFX-CLB-30-730-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	385.9	348.9	312.3	277.2	240.8	205.4	173.2	149.8	137.5	136.2
115°	369.5	335.6	301.2	268.0	233.2	199.4	169.4	147.6	136.2	134.6
117.5°	354.3	321.7	289.5	258.2	225.3	193.4	165.0	144.8	134.0	132.7
120°	337.2	306.9	276.9	247.2	216.5	186.5	159.6	141.3	131.2	130.2
122.5°	320.5	292.3	263.9	235.8	207.0	178.6	154.2	136.9	128.0	127.1
125°	302.8	276.9	250.3	223.8	196.6	170.4	147.9	131.8	123.9	122.9
127.5°	284.8	260.7	235.8	211.1	186.5	162.1	141.3	126.7	119.2	118.8
130°	265.8	244.3	221.6	198.8	176.0	153.6	134.3	121.4	114.4	113.8
132.5°	248.7	228.8	207.6	186.2	164.7	145.1	127.7	115.7	109.7	109.0
135°	232.0	212.1	193.7	174.8	154.9	136.5	121.0	110.3	104.9	104.3
137.5°	214.9	197.5	180.5	162.8	144.8	128.3	114.7	105.2	100.5	99.9
140°	197.8	183.3	167.8	151.1	135.6	120.7	108.4	100.5	96.1	95.4
142.5°	182.4	168.5	154.5	140.0	126.1	113.5	102.7	95.1	91.3	91.0
145°	167.2	155.2	142.5	129.6	117.6	107.1	97.3	91.0	87.9	87.5
147.5°	153.6	142.9	131.5	120.4	110.0	100.2	92.3	86.9	83.8	83.4
150°	140.0	130.5	121.0	111.6	102.7	94.5	87.5	83.1	80.9	80.3
152.5°	128.0	120.4	111.9	104.0	96.1	89.1	83.8	79.6	77.7	77.4
155°	117.3	110.9	104.0	97.0	90.7	85.0	80.3	77.1	75.5	75.5
157.5°	108.1	102.7	97.0	91.3	86.3	81.5	77.7	75.2	74.0	73.6
160°	99.9	95.1	90.7	86.6	81.9	78.4	75.5	73.3	72.4	72.1
162.5°	92.3	89.1	85.7	82.2	78.7	75.9	73.6	72.1	71.4	71.4
165°	86.9	84.1	81.2	78.7	76.2	74.3	72.4	71.4	70.8	70.5
167.5°	82.2	80.0	78.1	76.2	74.3	72.7	71.4	70.8	70.2	70.2
170°	78.4	76.8	75.5	74.3	73.0	71.7	71.1	70.5	70.2	70.2
172.5°	75.2	74.3	73.3	72.7	71.7	71.1	70.5	70.2	70.2	70.2
175°	73.3	72.7	72.1	71.7	71.4	71.1	70.8	70.5	70.5	70.5
177.5°	72.1	71.7	71.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4
180°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

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

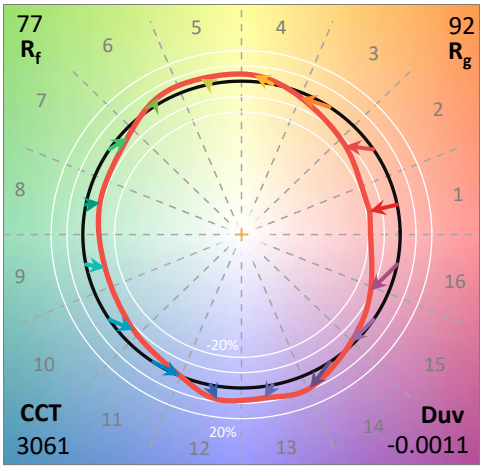
Test Information

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

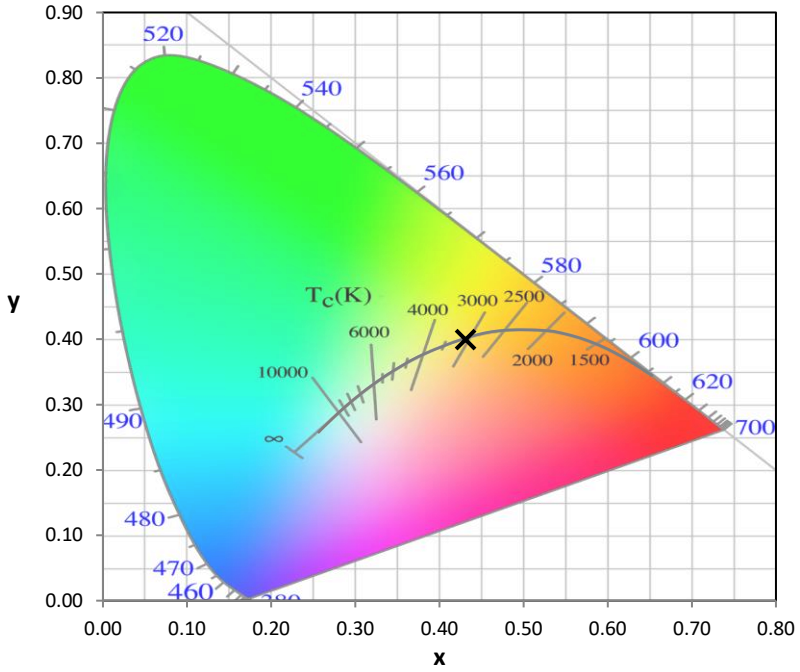
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

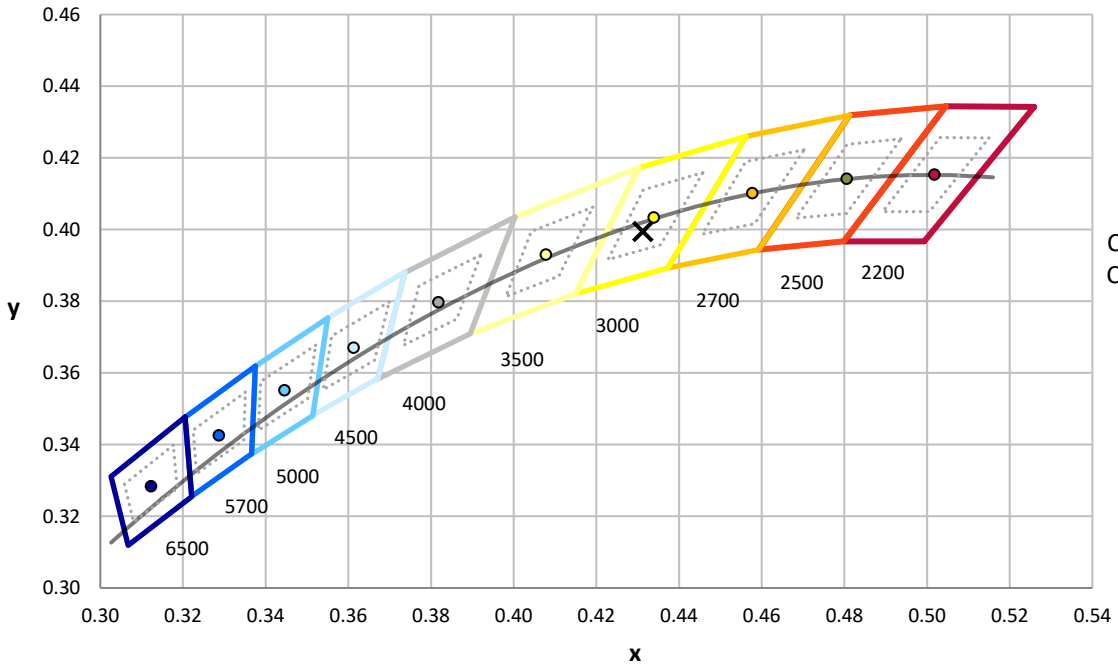
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

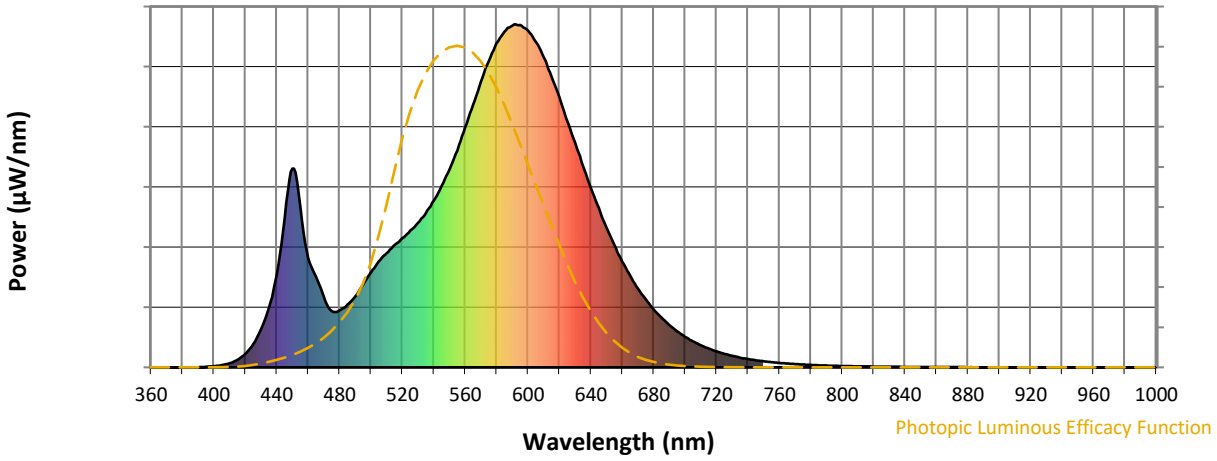


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

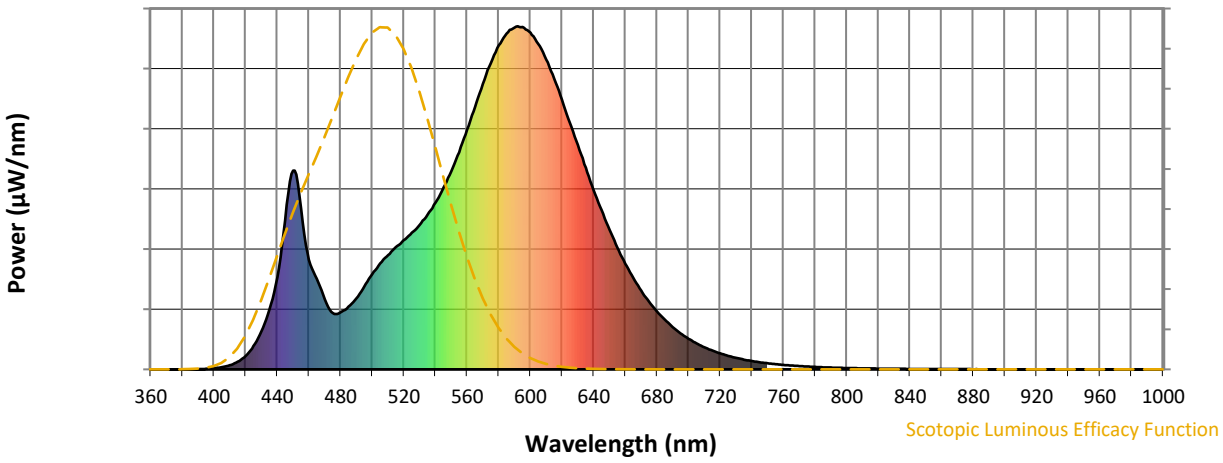


Photopic Lumens: NR

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

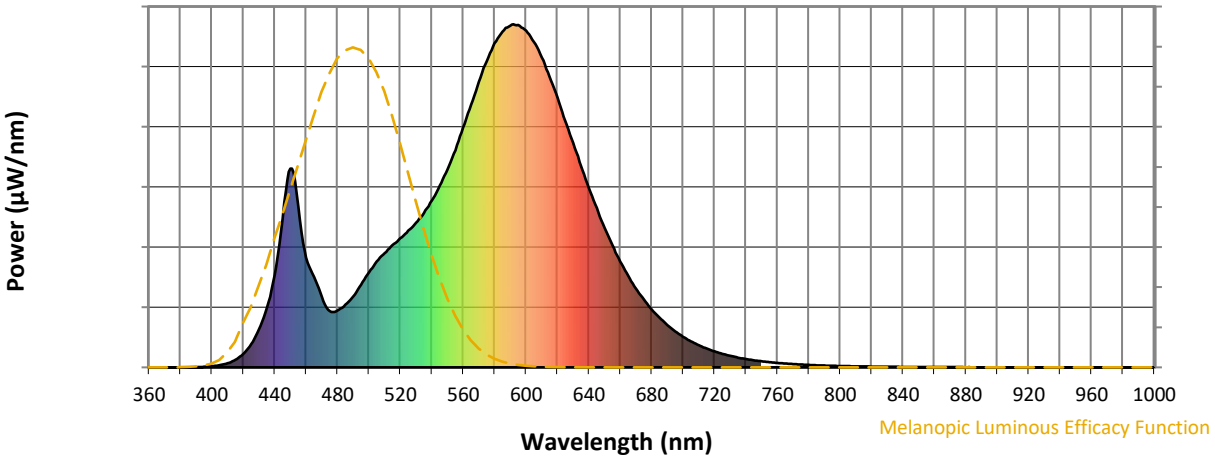


Scotopic Lumens: NR **S/P: 1.29**

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			

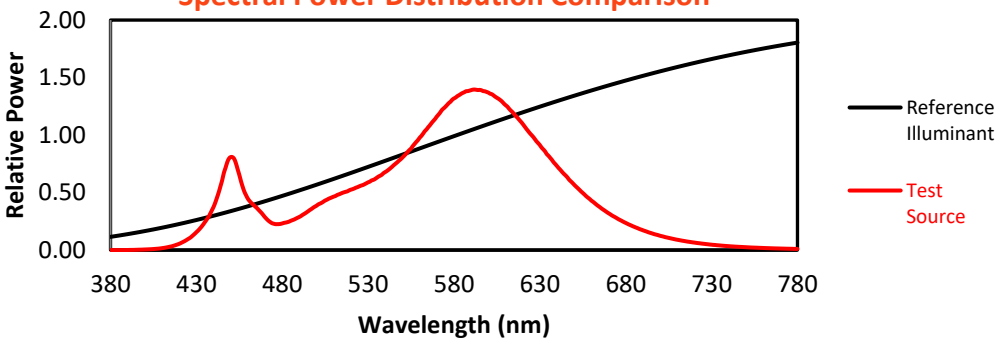
REPORT NUMBER: SP1-2501-332-4

TM-30-18

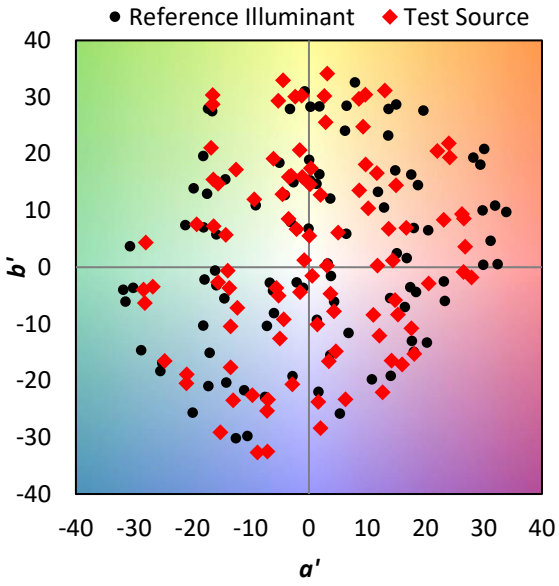
Summary

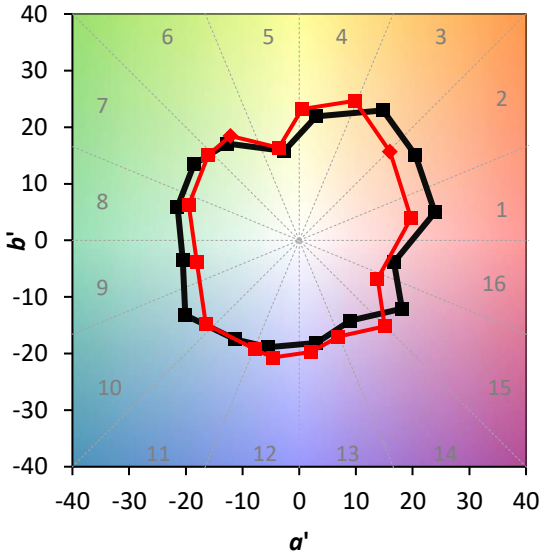
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

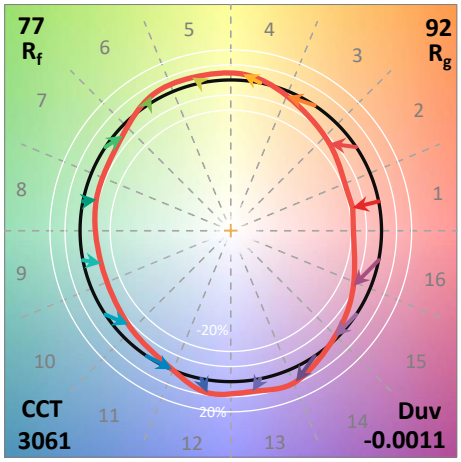
Spectral Power Distribution Comparison

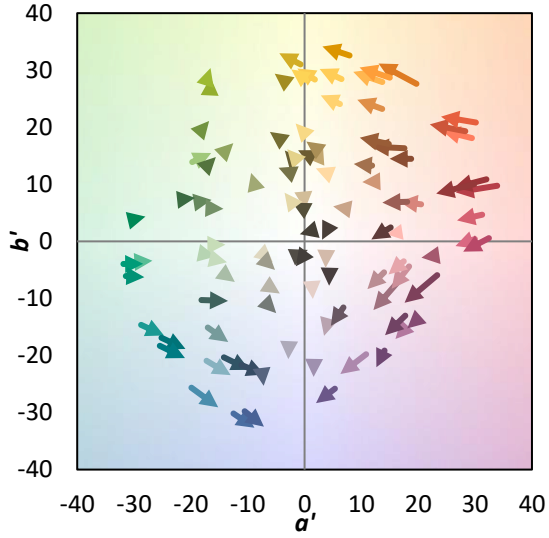


Color Vector Graphics







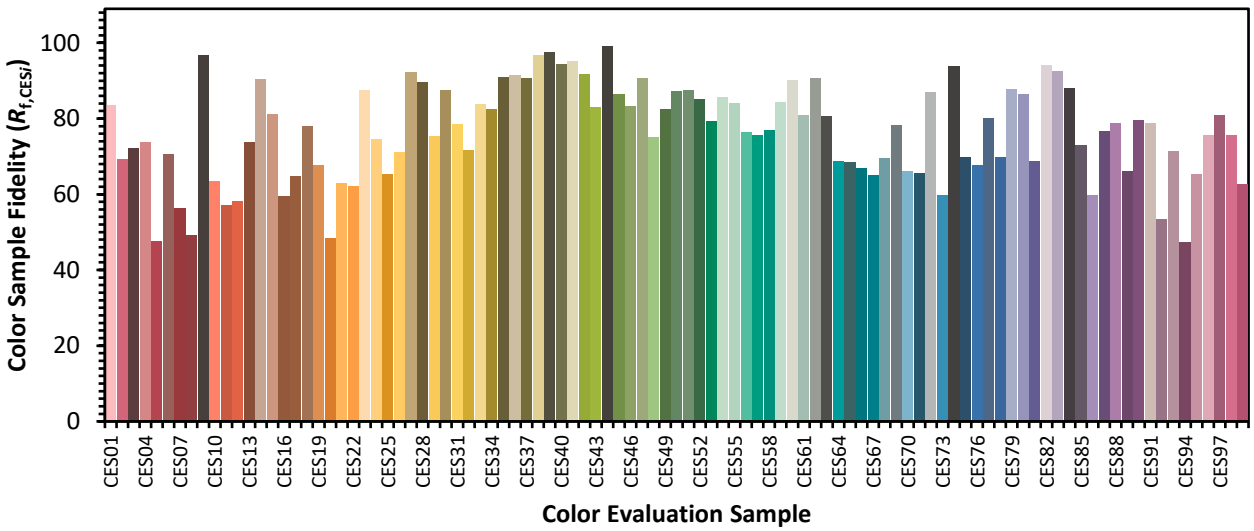


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

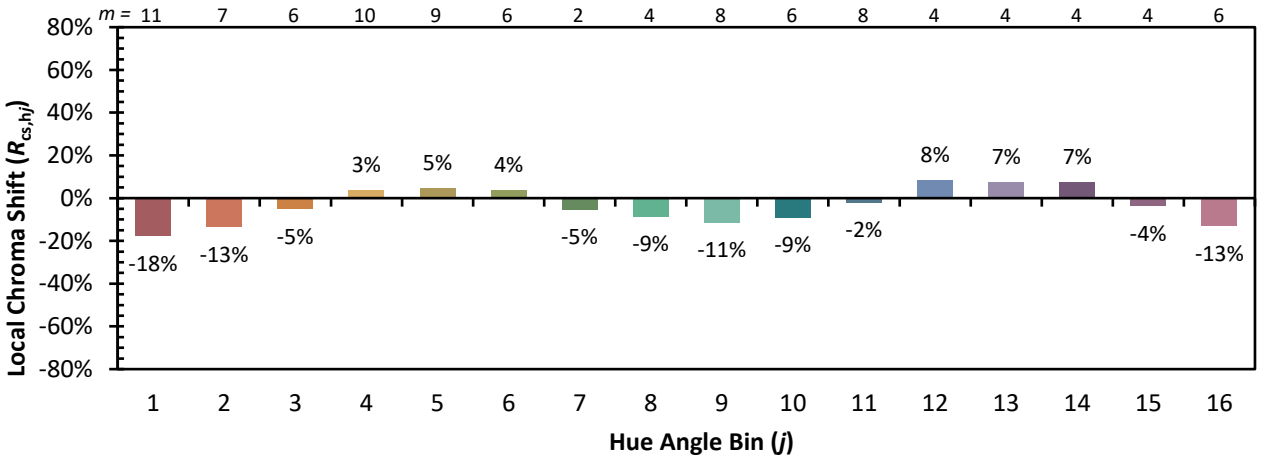
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

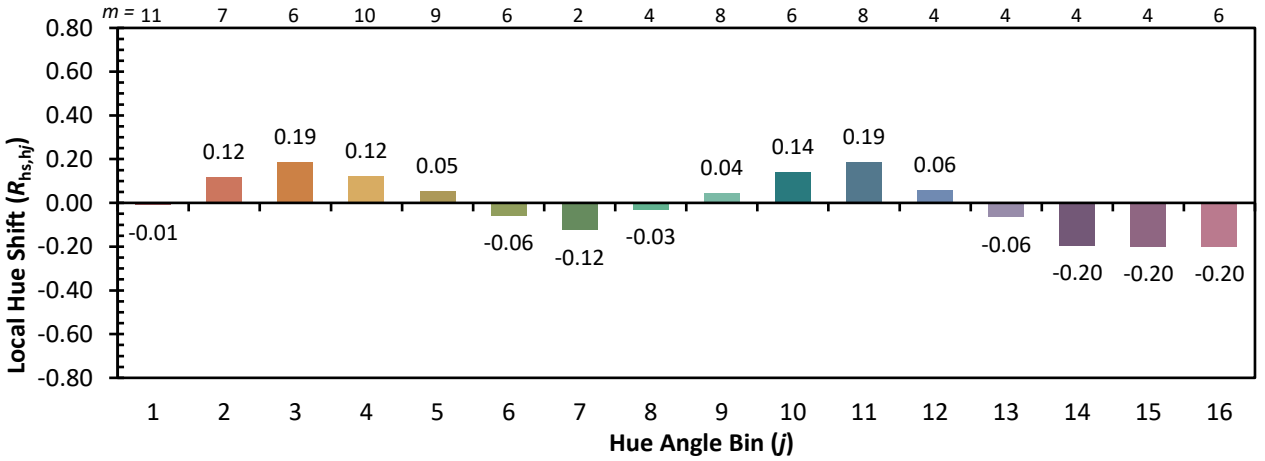


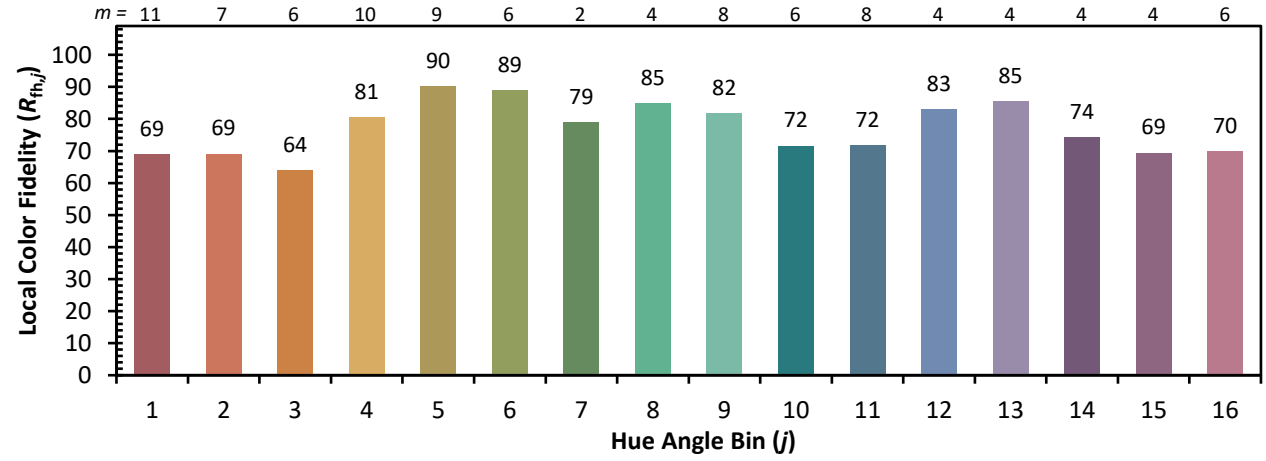
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



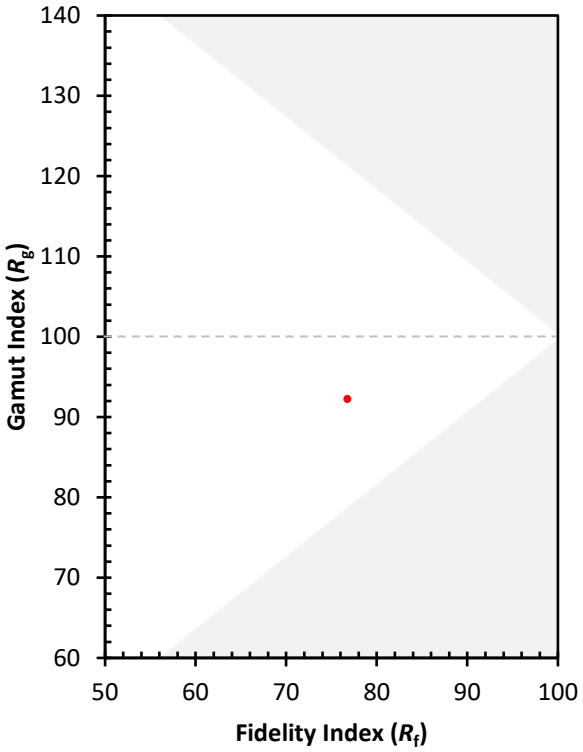


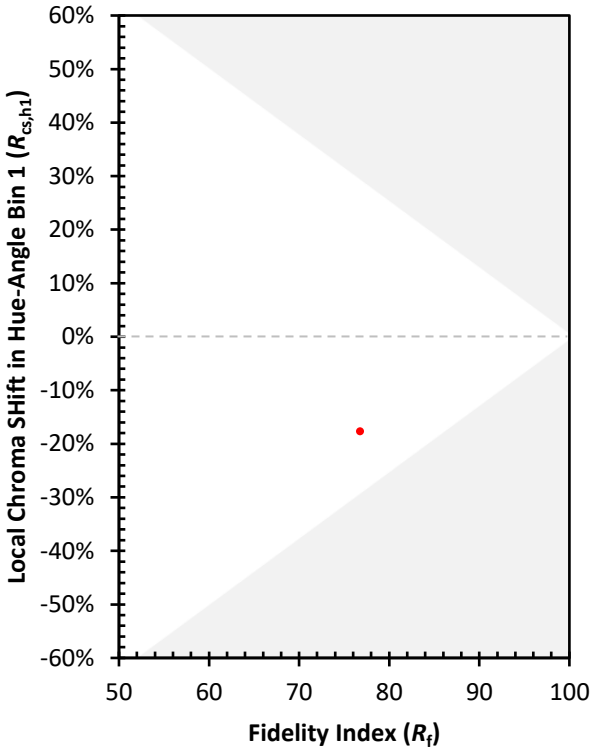


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Measure Comparisons





(END OF REPORT)