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: P1045983

Luminaire Tested: **FFX-CLB-20-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045983
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-730-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2229.8 lumens
Efficiency:	N/A
Efficacy:	112.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G3

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

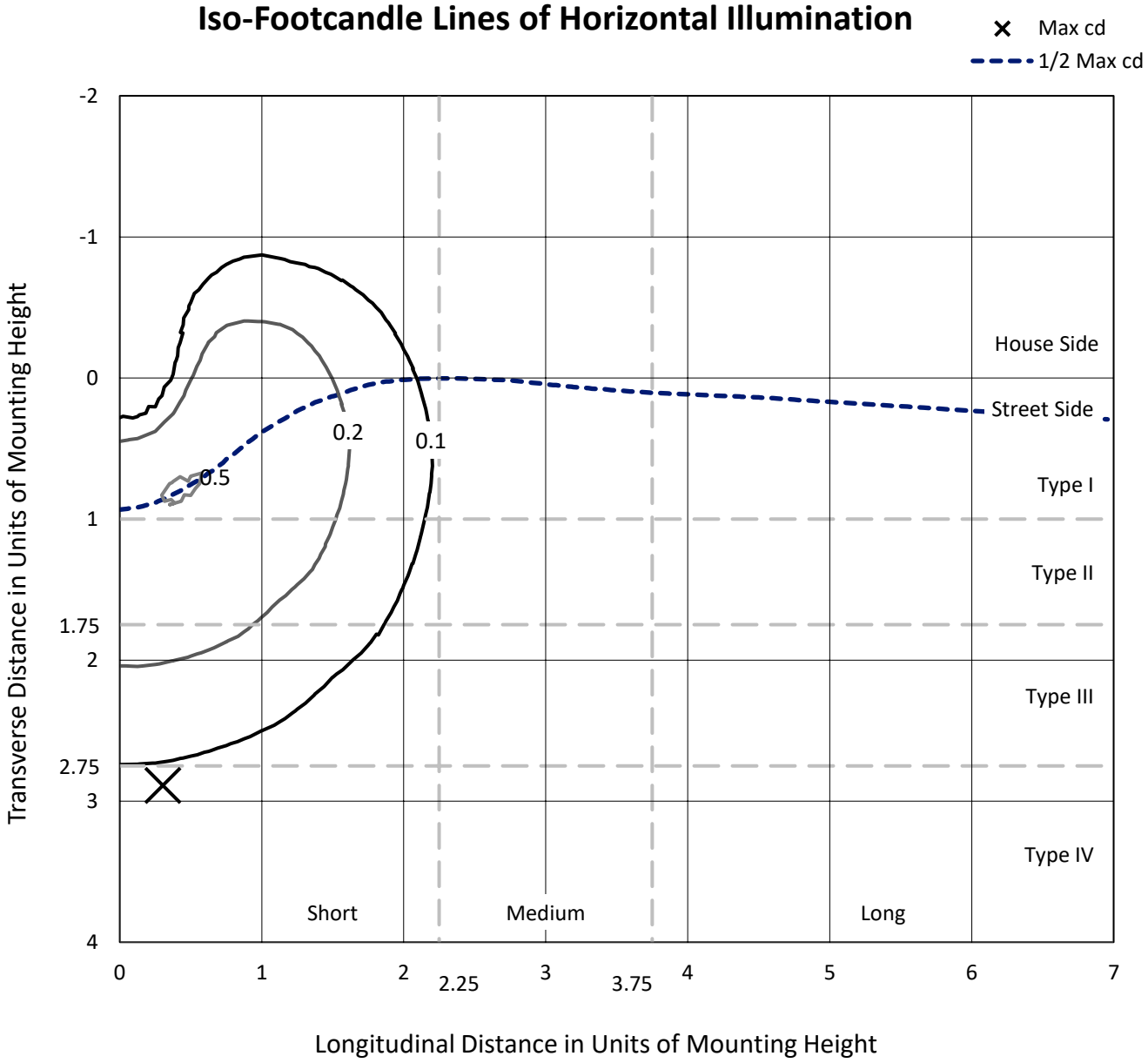


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Iso-Footcandle Lines of Horizontal Illumination



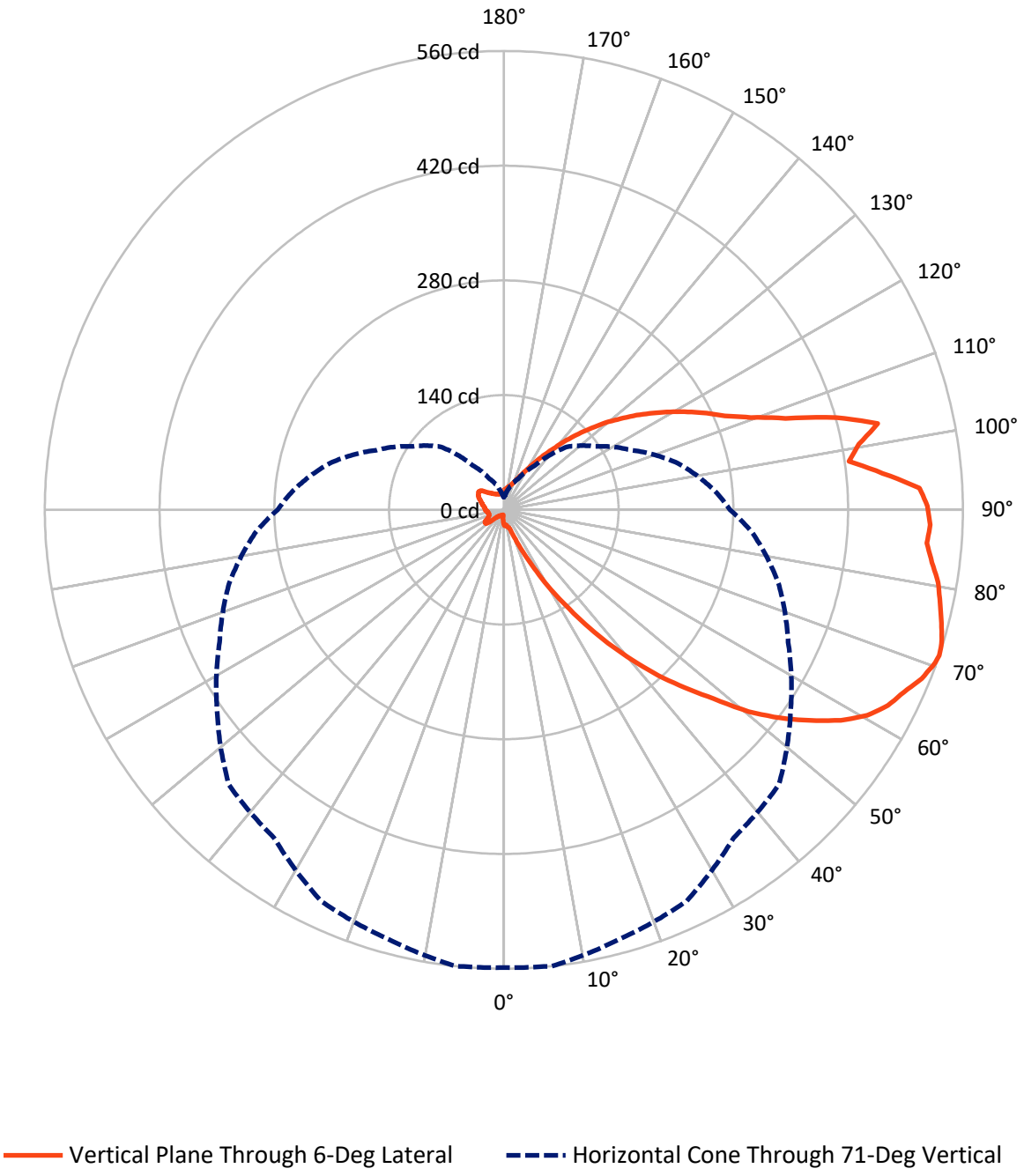
Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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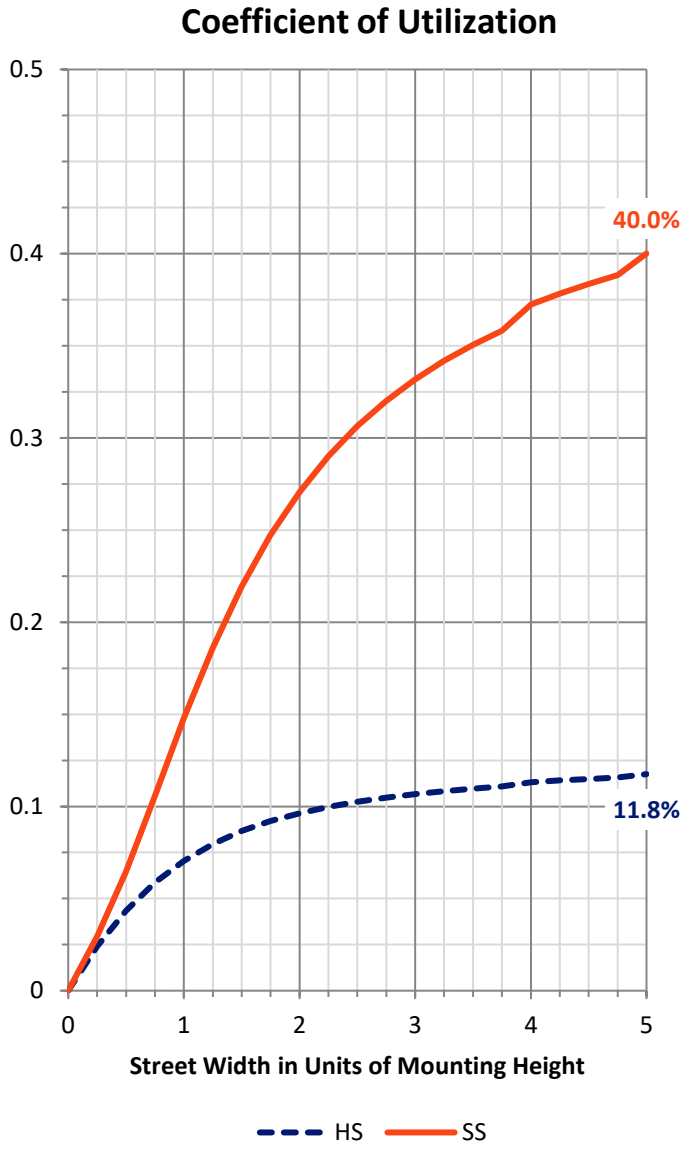
REPORT NUMBER: P1045983
CATALOG NUMBER: FFX-CLB-20-730-U-PG-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	286.3	227.1	513.4
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	1044.5	671.9	1716.4
	% Fixture	46.8	30.1	77.0
Total	Lumens	1330.9	899.0	2229.8
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	4.7	0.2
20°-30°	21.2	0.9
30°-40°	70.8	3.2
40°-50°	144.3	6.5
50°-60°	222.0	10.0
60°-70°	276.2	12.4
70°-80°	295.4	13.2
80°-90°	294.9	13.2
90°-100°	266.5	12.0
100°-110°	233.1	10.5
110°-120°	158.9	7.1
120°-130°	112.2	5.0
130°-140°	68.0	3.1
140°-150°	34.5	1.5
150°-160°	16.1	0.7
160°-170°	7.4	0.3
170°-180°	2.3	0.1
0°-90°	1330.9	59.7
0°-180°	2229.8	100.0



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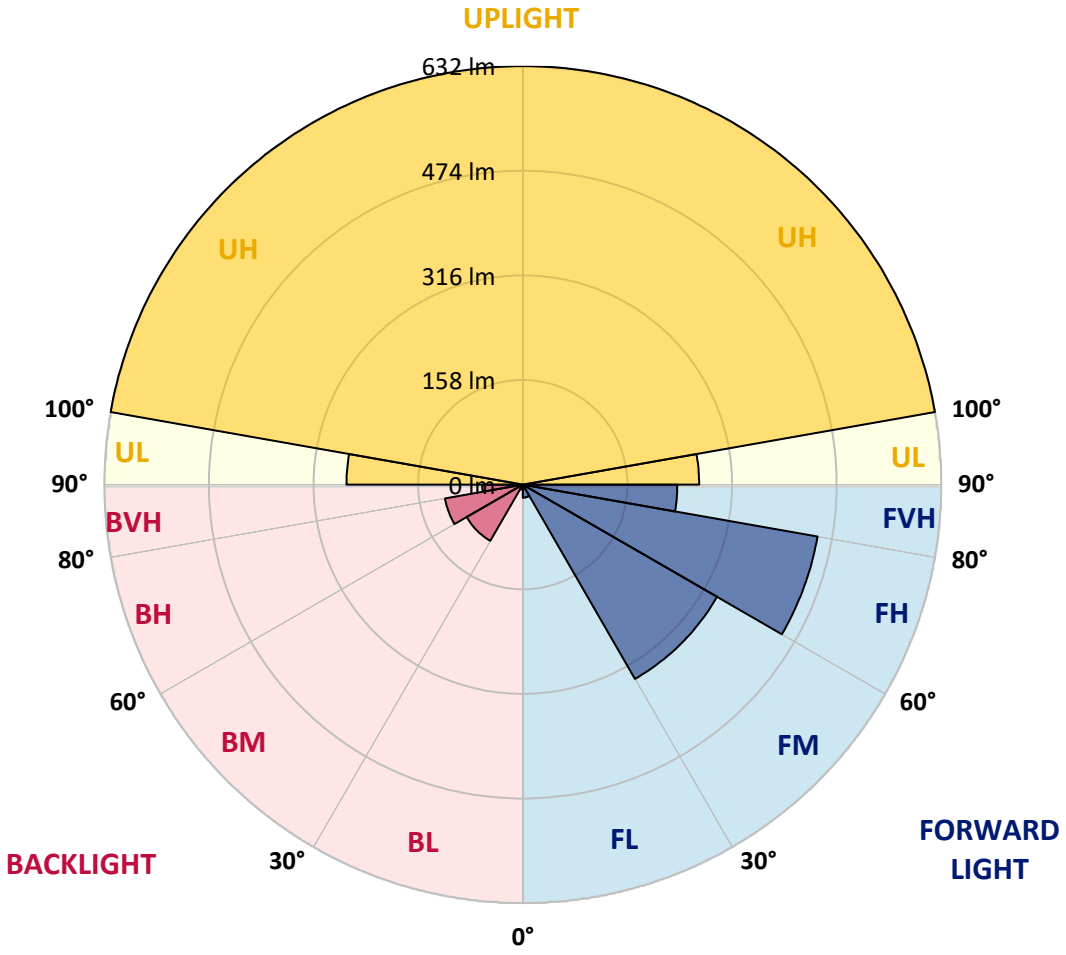
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	19.7	0.9			
FM	(30°-60°)	339.0	15.2			
FH	(60°-80°)	452.3	20.3			G0/660
FVH	(80°-90°)	233.5	10.5			G3/500
BL	(0°-30°)	7.6	0.3	B0/110		
BM	(30°-60°)	98.1	4.4	B0/220		
BH	(60°-80°)	119.4	5.4	B1/500		G1/500
BVH	(80°-90°)	61.4	2.8			G1/100
UL	(90°-100°)	266.5	12.0		U3/500	
UH	(100°-180°)	632.5	28.4		U4/1000	

BUG Rating: B1-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.4	18.9	18.6	18.4	18.2
5°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.4	18.2	17.7	17.2
7.5°	18.6	18.6	18.6	18.6	18.4	18.2	17.9	17.7	17.4	16.5	15.5
10°	20.3	20.6	20.3	20.3	19.6	18.9	18.4	17.7	17.2	16.7	15.5
12.5°	21.6	21.6	21.6	21.3	20.8	20.3	19.4	18.2	17.2	16.2	15.3
15°	22.3	22.3	22.3	22.3	21.8	21.1	20.3	19.4	18.4	17.2	16.0
17.5°	25.2	25.2	25.2	24.9	24.5	24.0	23.5	23.0	22.3	21.1	19.9
20°	33.2	33.9	33.7	32.9	32.4	32.0	32.2	31.7	31.2	29.5	27.6
22.5°	46.0	47.0	46.7	47.0	46.3	45.8	45.5	46.0	45.0	42.6	39.0
25°	64.7	64.7	63.9	65.9	66.1	63.7	64.2	63.9	63.2	58.8	53.0
27.5°	85.5	85.0	84.8	87.9	88.4	87.4	88.4	86.7	84.3	79.4	72.2
30°	109.7	111.6	112.6	113.1	114.5	115.5	116.7	115.3	108.7	102.9	92.7
32.5°	140.4	139.2	139.0	144.1	146.7	147.0	149.9	145.8	138.5	127.6	114.3
35°	174.4	171.4	171.9	175.1	179.4	182.6	184.8	176.8	169.3	155.0	137.5
37.5°	206.3	206.6	206.3	207.5	215.8	216.7	217.2	208.3	197.4	182.6	160.8
40°	239.0	239.5	240.7	244.6	253.3	251.6	247.7	239.7	225.7	209.0	183.3
42.5°	272.7	275.8	276.5	278.5	284.5	284.0	277.5	268.5	252.3	231.5	202.7
45°	308.7	308.3	309.5	312.1	317.0	317.0	305.4	292.3	274.6	251.1	220.1
47.5°	342.9	346.5	344.3	350.9	348.5	350.2	330.3	314.3	294.9	267.1	234.6
50°	386.0	387.9	387.2	386.5	379.2	379.2	358.9	337.3	315.5	282.6	249.2
52.5°	422.6	423.3	422.1	419.2	409.0	405.6	381.6	356.7	333.7	300.8	263.2
55°	456.5	451.6	453.8	449.2	433.2	429.6	406.8	371.5	349.7	313.8	275.3
57.5°	481.4	484.1	484.8	474.9	458.9	444.1	428.9	389.1	361.8	326.2	283.3
60°	502.7	510.0	509.5	494.5	480.4	454.0	445.6	404.6	369.8	337.1	292.0
62.5°	518.7	526.4	526.0	513.8	501.3	464.2	454.8	413.8	374.6	342.6	298.6
65°	534.4	538.1	536.4	531.5	516.5	473.7	463.5	418.0	378.7	345.1	301.0
67.5°	550.4	550.2	549.9	543.1	526.9	482.4	470.5	424.0	382.8	347.7	302.7
70°	558.4	558.9	558.6	544.4	529.3	488.2	474.4	427.2	383.8	347.7	304.1
71°	558.9	559.6	560.1	542.9	527.2	488.7	474.6	427.2	382.8	347.0	303.4
72.5°	555.5	559.1	558.6	539.3	524.0	487.9	472.9	425.2	381.4	344.1	301.2
75°	548.0	554.5	551.6	532.0	516.0	483.1	468.3	423.3	377.8	340.2	299.3
77.5°	541.5	549.0	544.1	526.0	511.7	479.7	465.9	423.8	375.1	337.8	298.6
80°	537.1	541.2	537.3	522.3	508.0	475.8	464.2	424.0	374.4	336.6	296.4
82.5°	530.6	528.9	526.2	514.3	499.8	468.8	457.4	420.1	372.7	334.2	294.0
85°	524.7	517.7	517.7	507.1	492.3	463.2	449.4	415.5	369.8	331.7	291.1
87.5°	528.1	518.7	520.6	510.5	494.2	464.0	448.0	415.1	371.0	332.2	289.4
90°	524.7	515.8	516.8	506.1	487.2	456.5	437.1	405.4	363.2	325.5	283.3
92.5°	518.9	509.5	508.0	497.1	478.0	449.0	428.6	399.1	357.2	320.1	281.1
95°	474.1	467.4	464.4	456.7	441.9	416.5	400.5	372.2	330.5	296.6	263.0
97.5°	428.1	429.3	425.2	416.0	399.8	379.9	362.3	335.1	300.0	270.7	238.0
100°	446.3	444.6	440.5	428.1	411.2	388.9	368.1	341.9	307.8	281.4	245.3
102.5°	466.1	470.0	468.3	452.8	433.7	415.8	400.0	373.9	336.4	308.5	270.0
105°	411.9	419.7	421.3	409.2	395.2	380.2	366.4	348.0	315.5	287.0	256.7
107.5°	359.1	360.3	361.5	352.3	345.3	332.0	318.2	301.5	276.8	255.0	225.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	322.5	323.8	*321.8*	317.9	310.7	300.5	285.3	273.6	252.1	233.7	206.8
112.5°	293.5	294.7	*293.2*	288.4	281.9	273.9	257.9	248.2	229.8	212.6	188.4
115°	274.8	276.3	*273.9*	268.8	263.2	258.9	245.1	230.8	214.1	198.8	178.0
117.5°	257.2	260.1	*254.5*	253.0	248.9	244.6	228.8	216.2	201.7	187.9	171.2
120°	237.8	240.2	*235.6*	233.9	231.5	227.1	212.4	201.0	189.4	177.0	161.0
122.5°	222.3	218.9	*216.7*	216.7	213.8	210.9	195.7	186.2	177.0	166.6	150.1
125°	204.6	200.0	*199.0*	200.7	197.1	193.2	181.1	172.7	165.6	155.2	139.0
127.5°	184.8	180.4	*180.4*	181.1	179.0	175.1	167.1	160.1	155.7	144.6	128.3
130°	166.1	163.7	*164.2*	162.5	160.3	157.2	151.3	146.3	142.6	131.5	119.9
132.5°	143.8	146.5	*146.5*	143.6	143.1	140.7	136.1	133.7	128.1	118.9	109.2
135°	128.1	130.3	*130.0*	127.4	127.1	125.7	122.3	120.1	114.8	107.0	99.0
137.5°	114.8	114.8	*114.3*	112.6	111.6	111.4	108.2	106.1	101.0	95.7	89.1
140°	101.7	99.5	*98.8*	99.0	97.6	97.3	94.7	92.0	89.6	84.5	79.2
142.5°	88.1	86.7	*86.0*	85.0	84.5	83.8	82.1	79.9	77.5	74.1	69.3
145°	75.3	75.3	*74.8*	73.9	73.9	72.9	71.2	70.0	67.8	64.2	60.3
147.5°	65.4	64.7	*64.7*	64.4	63.7	63.2	61.7	60.1	58.6	55.7	52.1
150°	56.2	56.2	*55.7*	56.2	55.7	55.0	54.0	52.5	50.9	48.7	45.8
152.5°	48.9	49.2	*48.7*	49.4	48.9	48.4	47.2	46.3	44.3	42.4	40.4
155°	43.6	43.8	*43.6*	43.3	43.3	42.6	42.1	40.7	39.5	37.8	36.1
157.5°	38.7	39.0	*39.0*	39.0	39.0	38.3	37.3	36.3	35.4	33.9	32.4
160°	35.6	35.4	*35.4*	35.1	34.9	34.6	33.9	32.9	32.2	31.0	29.8
162.5°	32.4	32.4	*32.4*	32.2	32.0	31.7	31.2	30.3	29.5	28.6	27.6
165°	30.3	30.3	*30.3*	30.3	29.8	29.5	29.1	28.3	27.8	26.9	25.9
167.5°	28.8	28.8	*28.8*	28.6	28.3	28.1	27.8	27.1	26.6	25.9	25.2
170°	27.6	27.6	*27.6*	27.6	27.4	26.9	26.6	26.2	25.7	25.2	24.5
172.5°	26.4	26.4	*26.4*	26.4	26.2	26.2	25.9	25.4	25.2	24.5	24.2
175°	25.4	25.4	*25.4*	25.4	25.2	25.2	24.9	24.7	24.5	24.2	23.7
177.5°	24.7	24.7	*24.7*	24.7	24.5	24.5	24.5	24.2	24.0	23.7	23.7
180°	23.7	23.7	*23.7*	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	18.2	18.2	17.7	17.4	17.2	16.7	16.2	15.5	15.5	15.5	15.3
5°	17.0	16.7	16.2	15.5	15.3	15.0	14.5	13.6	12.3	11.4	11.4
7.5°	15.7	14.5	13.3	12.8	12.1	10.9	9.7	8.2	6.5	6.3	6.3
10°	14.8	14.0	12.6	11.4	10.2	9.9	9.0	7.5	6.8	6.1	6.1
12.5°	14.5	14.0	12.3	10.9	9.4	8.7	8.0	7.3	6.5	6.1	6.1
15°	15.3	14.8	13.1	11.4	9.7	8.7	7.7	7.0	6.8	6.5	6.5
17.5°	19.1	18.4	16.0	13.3	11.1	9.7	8.5	7.7	7.5	7.3	7.3
20°	25.9	24.7	21.3	17.7	14.3	11.1	9.4	8.2	8.0	7.7	7.7
22.5°	36.8	34.6	28.8	23.2	18.2	14.0	10.9	8.7	8.0	7.7	7.7
25°	50.1	47.2	38.7	30.5	23.0	17.9	13.3	9.9	8.0	7.5	7.5
27.5°	67.8	62.7	51.3	40.9	30.8	22.8	16.7	11.9	8.7	7.5	7.3
30°	86.4	80.2	65.6	51.8	39.0	28.6	20.6	14.3	9.9	7.5	7.3
32.5°	106.8	98.3	82.3	65.1	48.4	35.4	25.2	16.7	11.4	8.0	7.5
35°	127.6	118.2	98.3	79.2	58.1	42.1	30.0	19.4	12.3	8.5	8.0
37.5°	148.7	138.0	116.5	91.8	67.6	49.2	34.9	22.3	13.3	9.0	8.5
40°	169.7	156.9	133.2	103.6	76.8	56.2	39.5	24.7	14.0	9.7	9.4
42.5°	186.2	173.1	147.0	113.6	86.4	62.5	44.1	26.6	14.8	10.9	10.4
45°	201.2	187.4	158.6	122.5	94.0	70.0	49.4	29.8	16.2	12.3	11.9
47.5°	216.5	202.9	170.7	131.2	101.2	77.5	55.7	33.2	20.1	16.0	15.7
50°	229.8	214.8	183.8	143.1	110.4	84.5	62.2	37.3	23.7	23.2	23.5
52.5°	242.6	227.6	194.9	151.8	116.7	93.0	68.5	39.0	26.9	27.4	27.8
55°	256.9	239.5	203.9	158.6	120.4	98.6	72.2	40.4	29.8	27.8	27.4
57.5°	266.6	246.5	211.2	166.1	124.2	101.9	72.4	42.1	32.2	26.9	26.2
60°	273.1	250.4	215.0	170.2	129.6	105.1	71.7	42.4	33.7	24.7	22.5
62.5°	277.5	255.5	218.4	171.2	133.7	107.5	71.4	41.4	33.2	22.0	20.3
65°	279.4	259.8	221.6	171.7	134.4	109.2	71.4	40.9	32.4	19.4	17.4
67.5°	279.4	261.3	222.8	172.7	133.9	109.7	69.3	42.4	31.5	18.4	16.0
70°	278.0	260.6	221.1	172.4	134.9	109.2	66.8	42.4	30.0	18.4	15.3
71°	*276.1*	*259.1*	*219.9*	*172.2*	*135.1*	*108.7*	*65.9*	*42.1*	*29.3*	*17.9*	*15.5*
72.5°	273.4	256.9	217.7	171.7	134.4	107.3	63.9	42.4	28.6	17.7	15.7
75°	270.5	255.2	216.0	169.7	134.2	105.1	60.5	41.7	28.3	17.9	16.2
77.5°	269.5	255.5	215.0	169.3	134.2	103.9	58.1	41.2	27.8	18.2	17.2
80°	267.3	255.0	213.1	168.1	133.7	101.7	57.4	41.2	27.4	18.4	17.7
82.5°	265.2	253.8	211.4	166.8	132.9	98.8	56.7	40.9	26.9	19.1	18.6
85°	263.2	253.5	211.4	166.1	132.7	97.1	56.4	40.7	26.6	19.9	19.4
87.5°	263.2	254.7	213.6	168.1	134.9	97.1	57.4	41.2	26.9	20.8	20.6
90°	258.4	249.4	210.2	166.8	135.6	97.3	58.4	42.4	27.8	21.8	21.3
92.5°	256.9	247.0	209.2	168.1	136.6	97.3	59.6	43.6	28.6	22.3	21.8
95°	240.9	229.8	196.9	159.6	130.5	94.7	60.1	43.3	29.1	22.5	22.3
97.5°	218.7	206.6	175.6	141.9	115.5	85.0	54.7	40.7	28.8	23.2	22.8
100°	226.2	211.9	179.4	144.3	113.6	83.3	53.8	39.5	29.5	24.2	23.7
102.5°	247.0	231.5	197.4	159.8	123.7	92.0	60.1	41.9	31.0	25.4	24.7
105°	234.6	217.5	190.6	154.7	120.6	92.0	60.3	42.6	32.4	26.4	25.9
107.5°	207.3	191.3	167.8	137.8	110.4	85.0	57.1	41.4	33.7	27.6	26.9

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

Scaled Data Report

REPORT NUMBER: P1045983
CATALOG NUMBER: FFX-CLB-20-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	191.5	174.4	152.8	125.7	102.7	78.9	55.0	40.7	34.4	29.1	28.1
112.5°	174.8	160.1	139.2	115.5	95.7	72.9	53.5	40.4	34.9	30.5	29.5
115°	165.4	150.1	132.2	109.2	91.0	71.0	53.0	41.7	36.6	32.4	31.5
117.5°	157.2	144.6	128.6	104.4	87.9	70.2	54.0	43.1	37.8	34.1	32.9
120°	148.7	137.1	122.5	100.5	85.2	67.8	54.2	43.8	38.7	35.6	34.9
122.5°	143.6	130.5	116.2	97.1	82.1	66.1	54.0	44.8	39.0	36.3	36.3
125°	134.2	123.7	109.5	92.7	77.5	65.1	54.0	44.3	39.7	37.3	36.8
127.5°	123.7	117.0	102.7	87.9	74.3	62.7	52.5	44.3	39.5	37.3	37.3
130°	114.1	108.0	96.4	81.4	71.4	59.3	50.4	42.1	38.0	36.6	36.6
132.5°	103.2	99.3	88.4	75.1	65.6	55.2	47.5	39.0	35.6	34.4	34.4
135°	93.2	89.6	79.4	68.3	59.8	51.3	44.1	36.8	32.7	31.2	31.2
137.5°	84.0	80.6	71.7	62.2	54.5	47.5	40.7	34.6	30.5	28.8	29.1
140°	74.6	70.5	64.4	56.4	49.4	43.8	37.3	32.4	28.6	27.1	26.9
142.5°	66.1	63.0	57.4	50.6	44.6	40.2	34.4	30.3	27.1	25.7	25.4
145°	58.4	55.7	50.9	45.3	40.4	36.3	31.7	28.3	25.7	24.5	24.2
147.5°	50.1	48.4	44.8	40.4	36.3	32.7	29.5	26.4	24.7	23.2	23.0
150°	44.1	42.9	40.0	36.3	33.2	30.3	27.8	24.9	23.5	22.5	22.3
152.5°	39.2	38.0	35.6	32.9	30.3	28.1	25.9	24.0	22.5	21.8	21.6
155°	35.1	34.1	32.2	30.0	27.8	25.9	24.2	22.8	21.8	21.1	21.1
157.5°	32.0	31.0	29.5	27.6	25.9	24.2	23.0	21.8	21.3	20.6	20.6
160°	29.3	28.6	27.4	25.7	24.2	23.0	22.0	21.1	20.8	20.3	20.3
162.5°	27.1	26.6	25.4	24.2	23.2	22.3	21.6	20.8	20.3	20.1	20.1
165°	25.7	25.2	24.5	23.5	22.5	21.8	21.3	20.6	20.3	20.3	20.1
167.5°	24.9	24.5	23.7	22.8	22.0	21.8	21.3	20.8	20.6	20.6	20.3
170°	24.2	24.0	23.5	22.8	22.0	21.8	21.6	21.1	21.1	20.8	20.8
172.5°	24.0	23.7	23.2	22.8	22.3	22.0	21.8	21.6	21.6	21.6	21.3
175°	23.7	23.7	23.2	22.8	22.5	22.5	22.3	22.0	22.0	22.0	22.0
177.5°	23.7	23.5	23.5	23.2	23.0	23.0	23.0	22.8	22.8	22.8	22.8
180°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

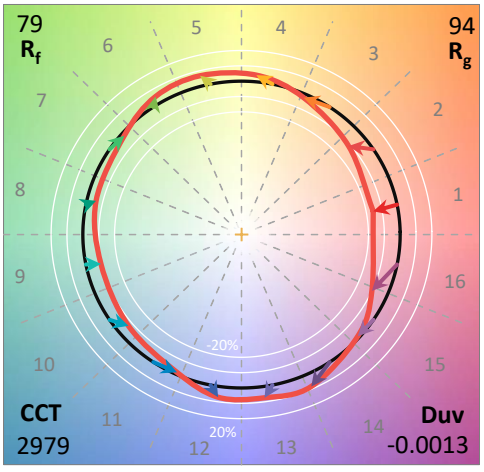
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

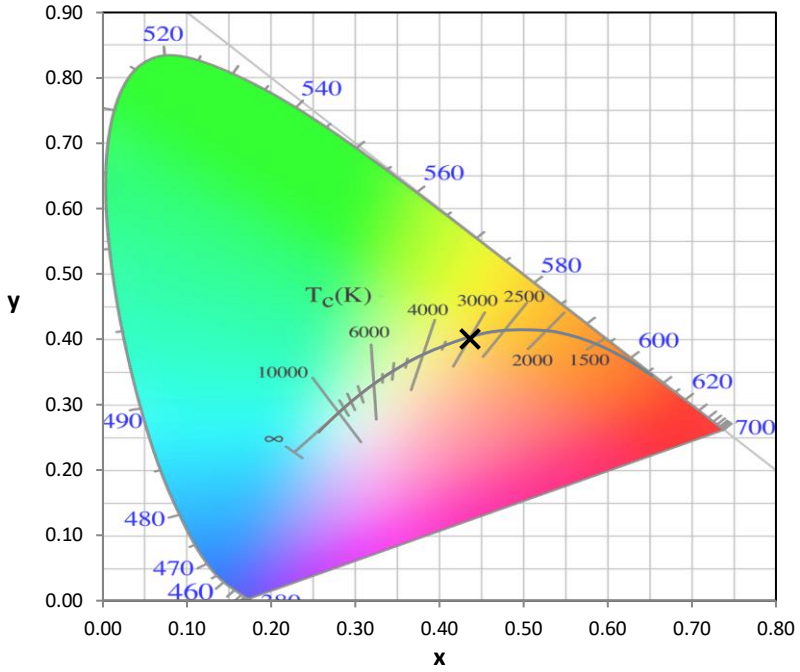
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

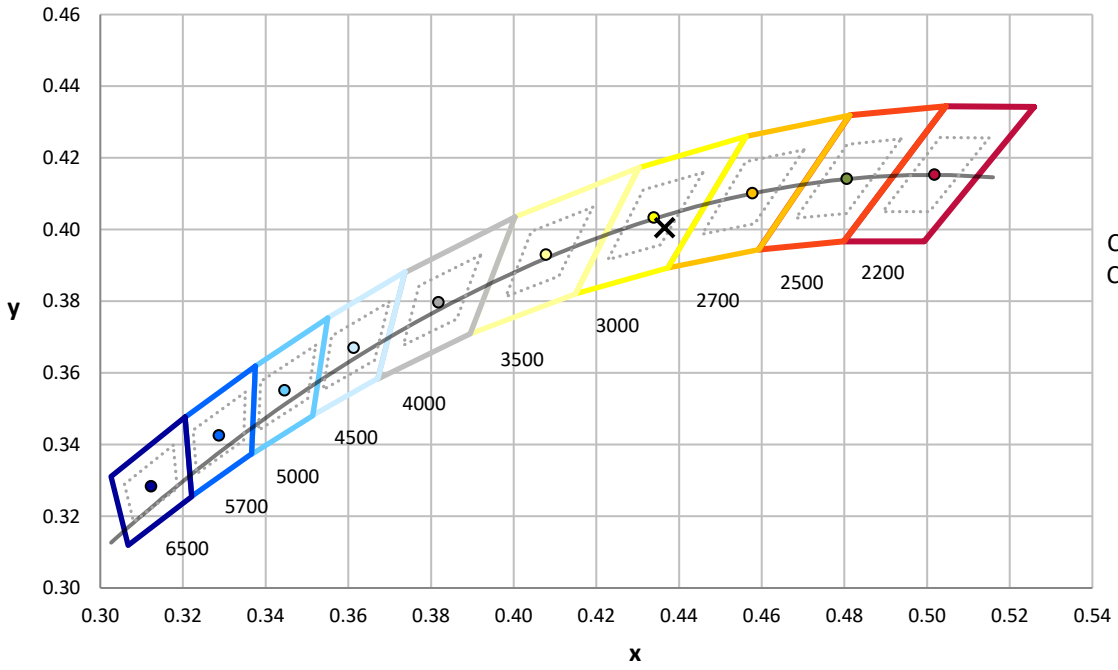
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

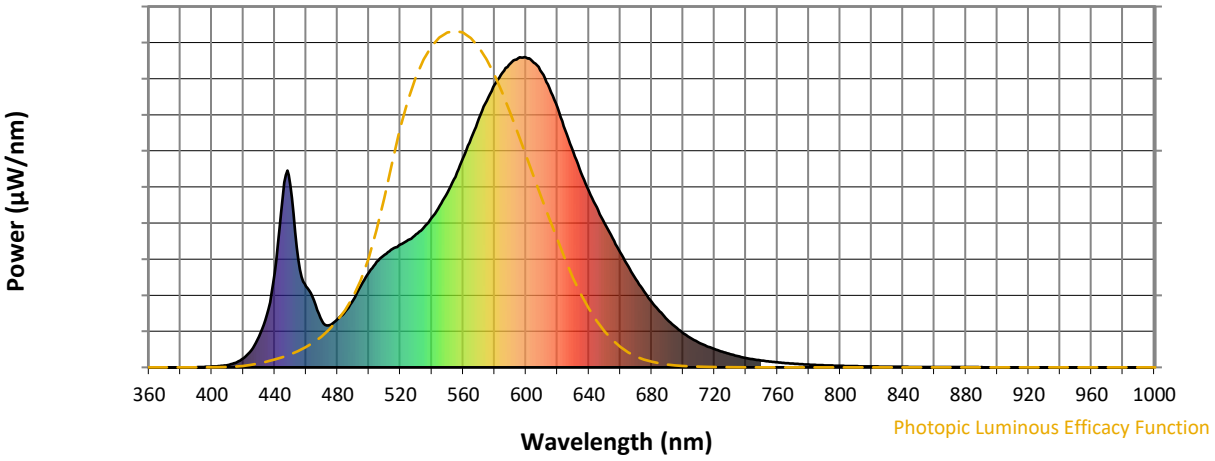


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

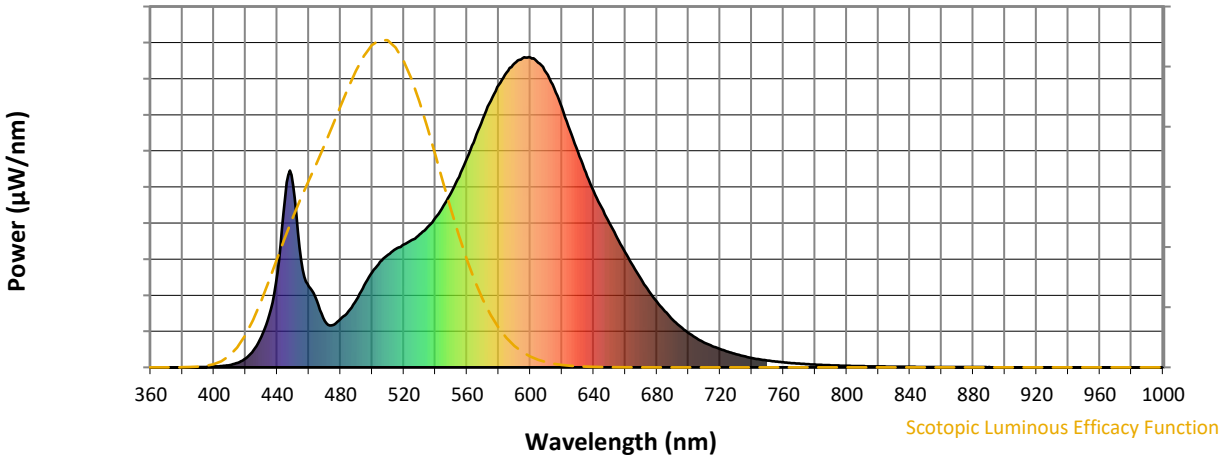


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

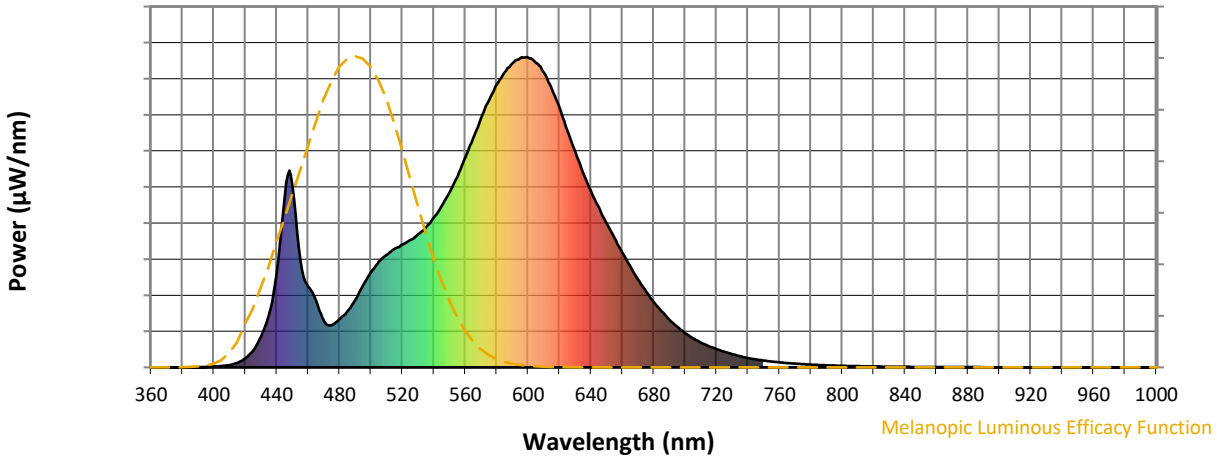


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

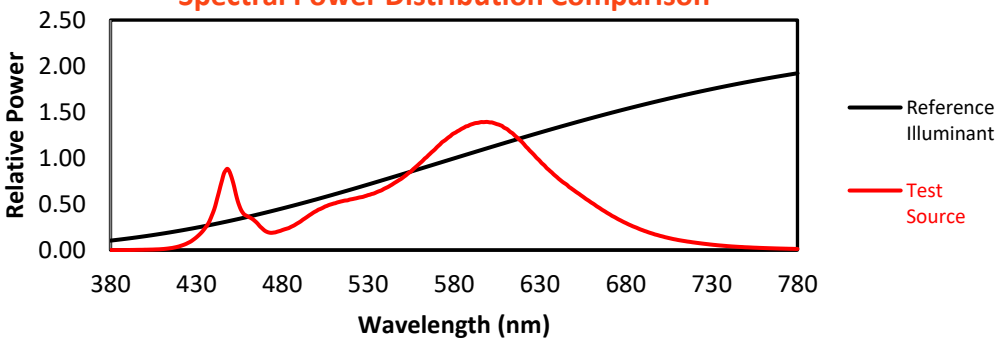
REPORT NUMBER: SP1-2501-332-9

TM-30-18

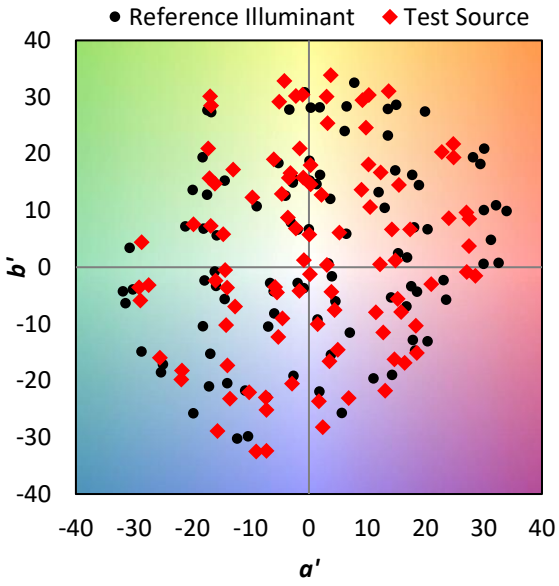
Summary

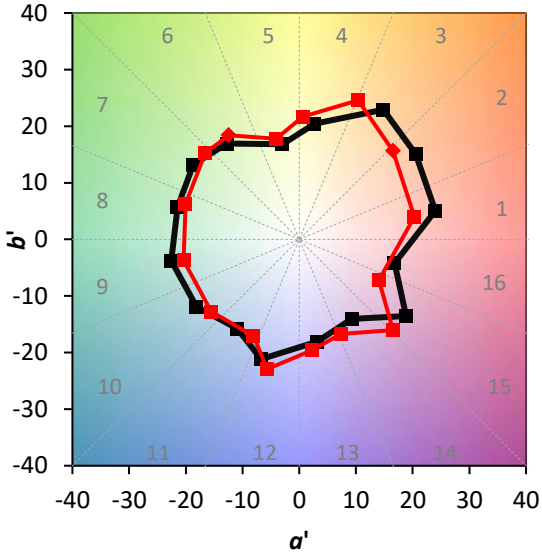
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

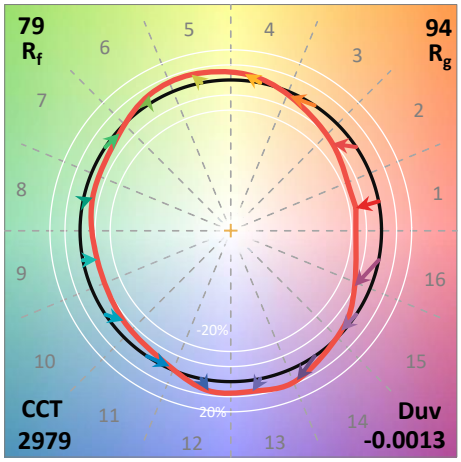
Spectral Power Distribution Comparison

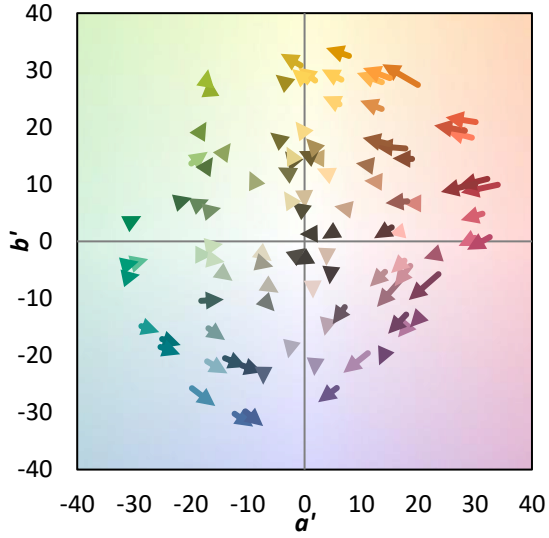


Color Vector Graphics







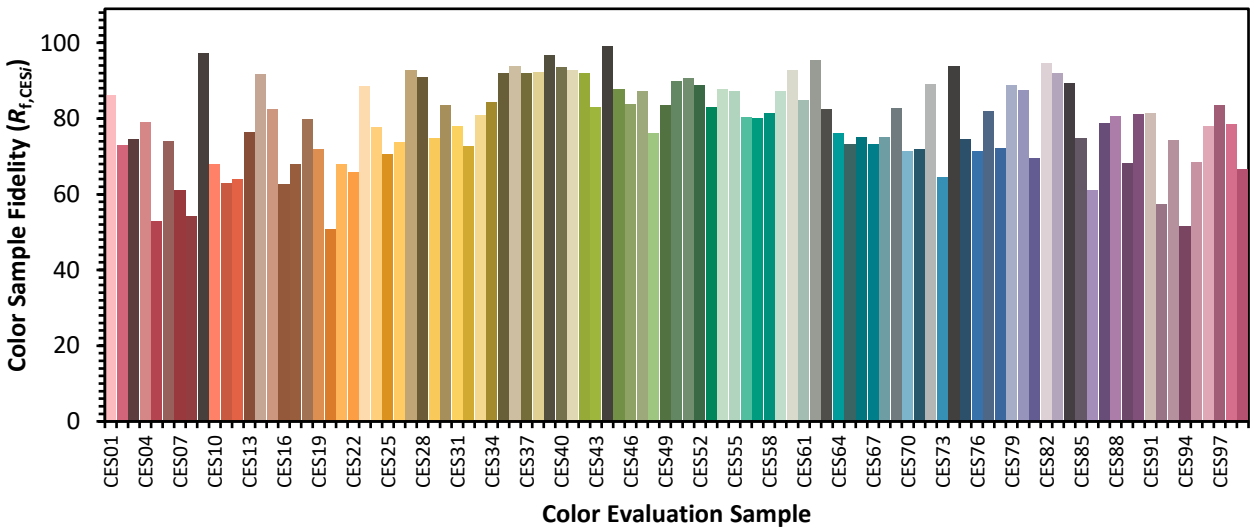


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

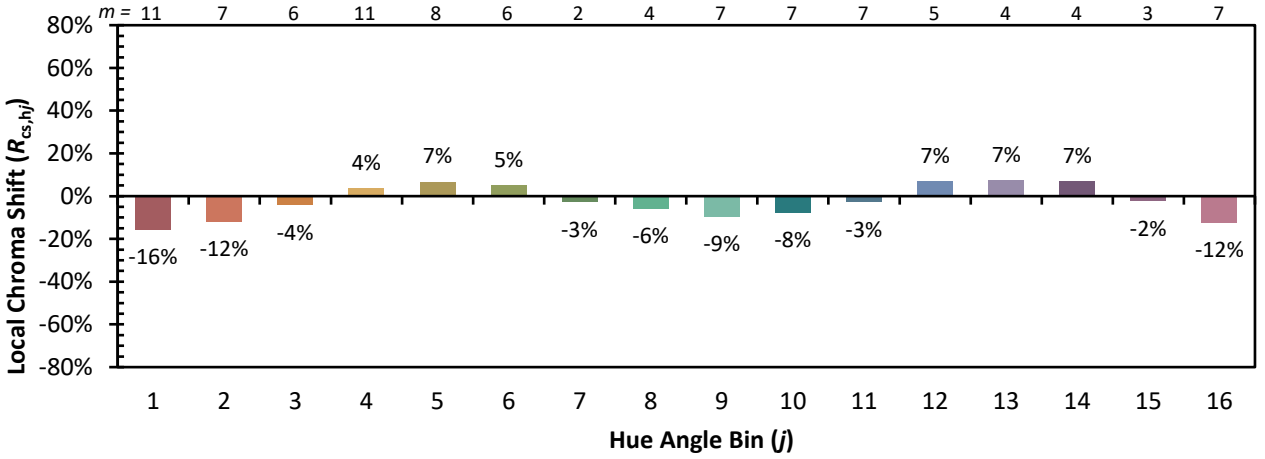
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

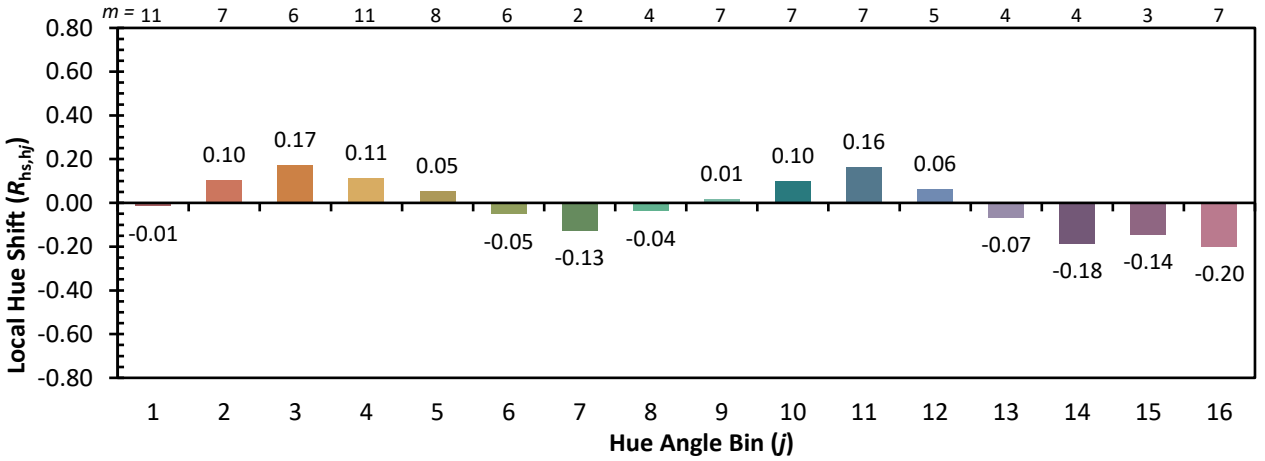


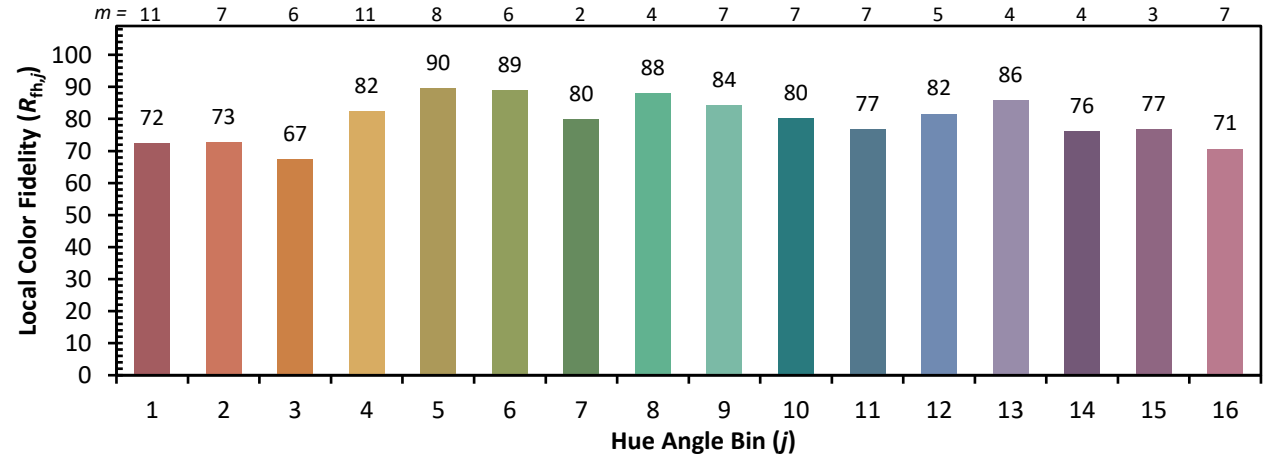
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Color Rendition by Hue-Angle Bin



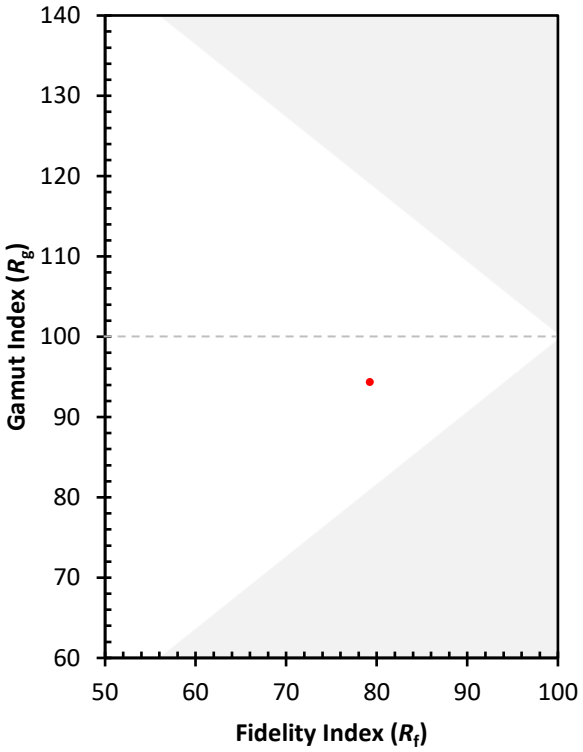


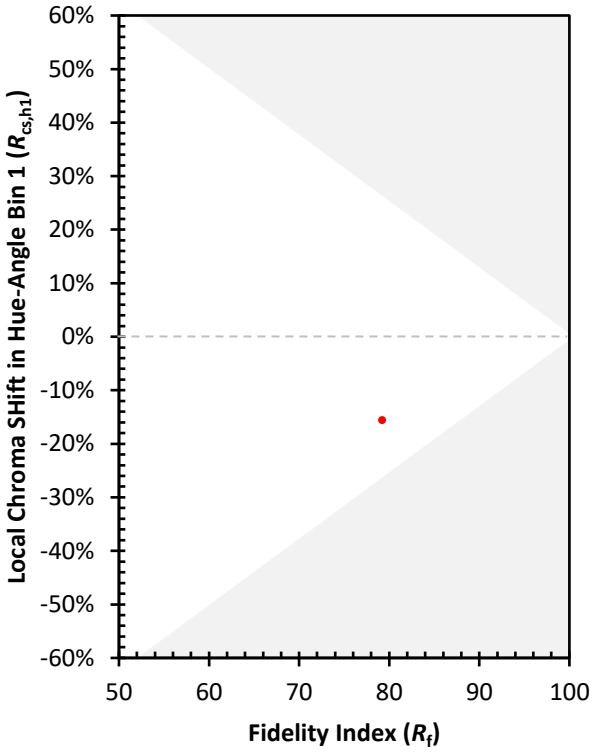


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Measure Comparisons





(END OF REPORT)