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: P1045839

Luminaire Tested: **FFX-CLB-20-727-U-VM8-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:	P1045839
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-727-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2094.3 lumens
Efficiency:	N/A
Efficacy:	105.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U4 - G2

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

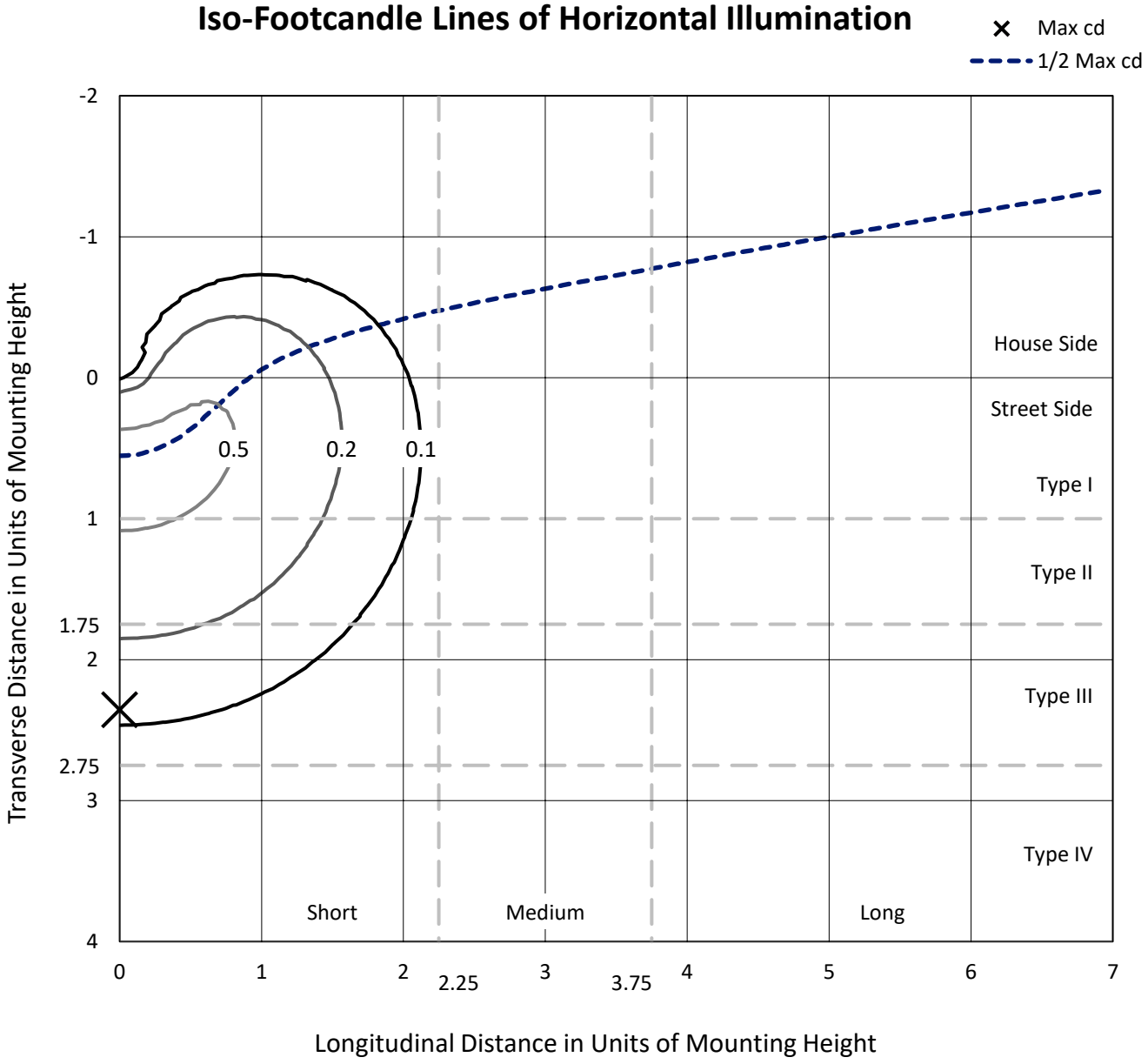


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Iso-Footcandle Lines of Horizontal Illumination



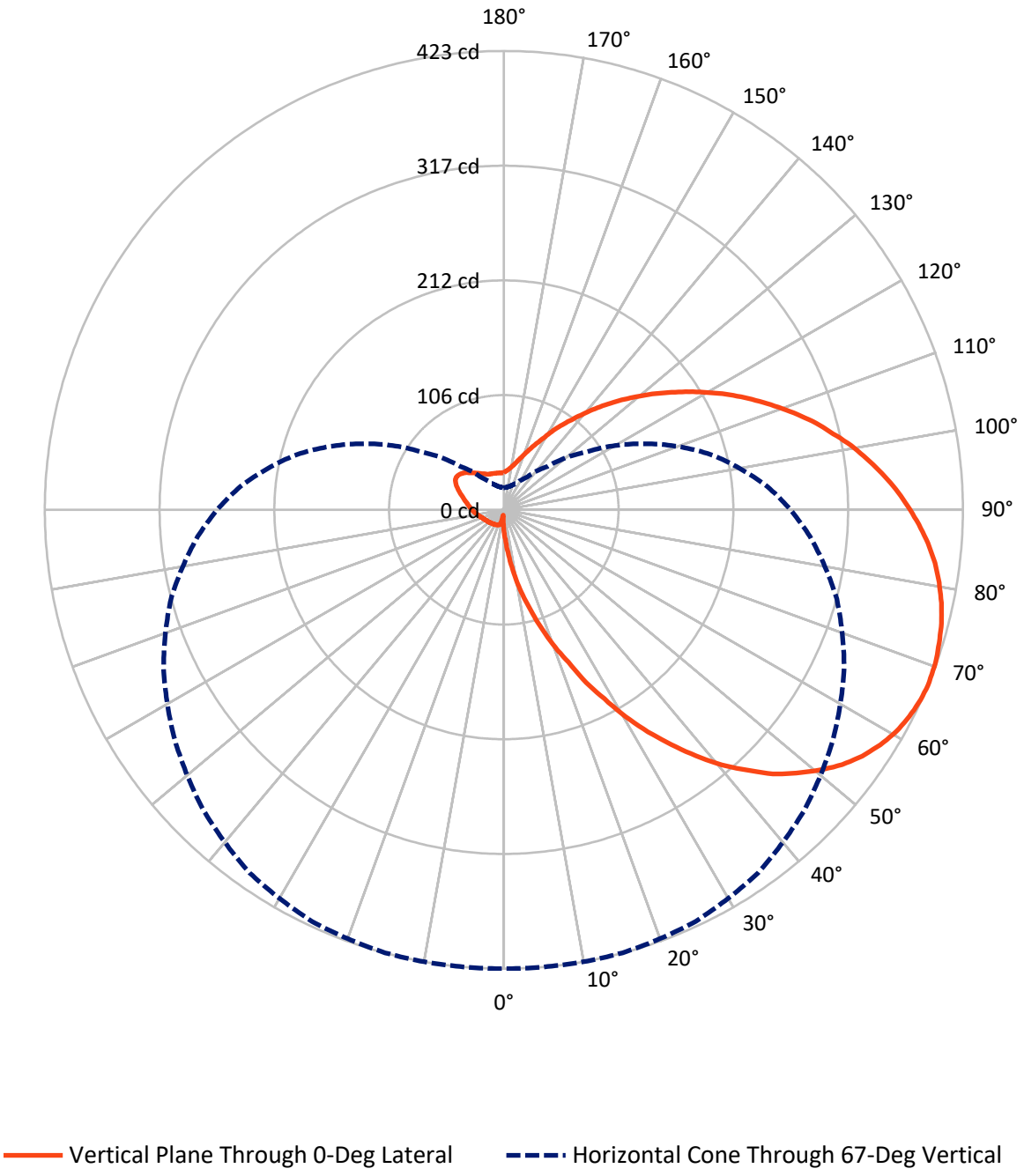
Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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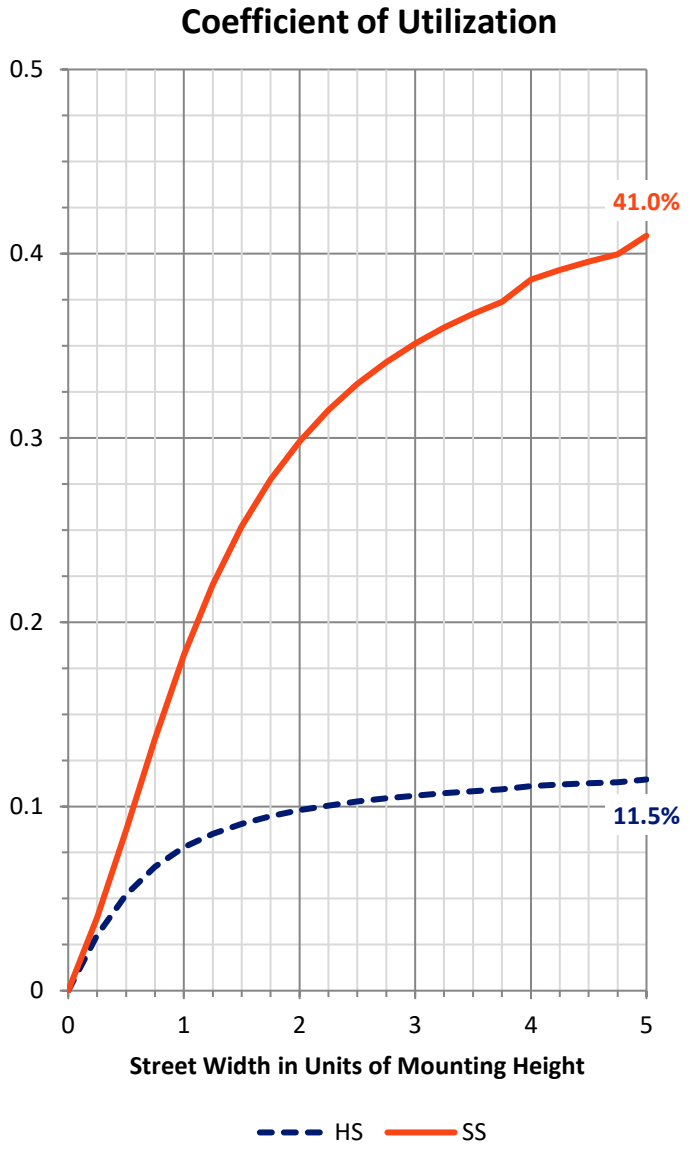
REPORT NUMBER: P1045839
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	259.3	247.1	506.4
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	977.9	610.0	1587.8
	% Fixture	46.7	29.1	75.8
Total	Lumens	1237.2	857.1	2094.3
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	17.4	0.8
20°-30°	48.6	2.3
30°-40°	97.2	4.6
40°-50°	152.8	7.3
50°-60°	200.9	9.6
60°-70°	232.0	11.1
70°-80°	244.8	11.7
80°-90°	240.8	11.5
90°-100°	221.0	10.6
100°-110°	191.1	9.1
110°-120°	156.9	7.5
120°-130°	119.6	5.7
130°-140°	80.6	3.8
140°-150°	47.7	2.3
150°-160°	25.1	1.2
160°-170°	11.7	0.6
170°-180°	3.4	0.2
0°-90°	1237.2	59.1
0°-180°	2094.3	100.0



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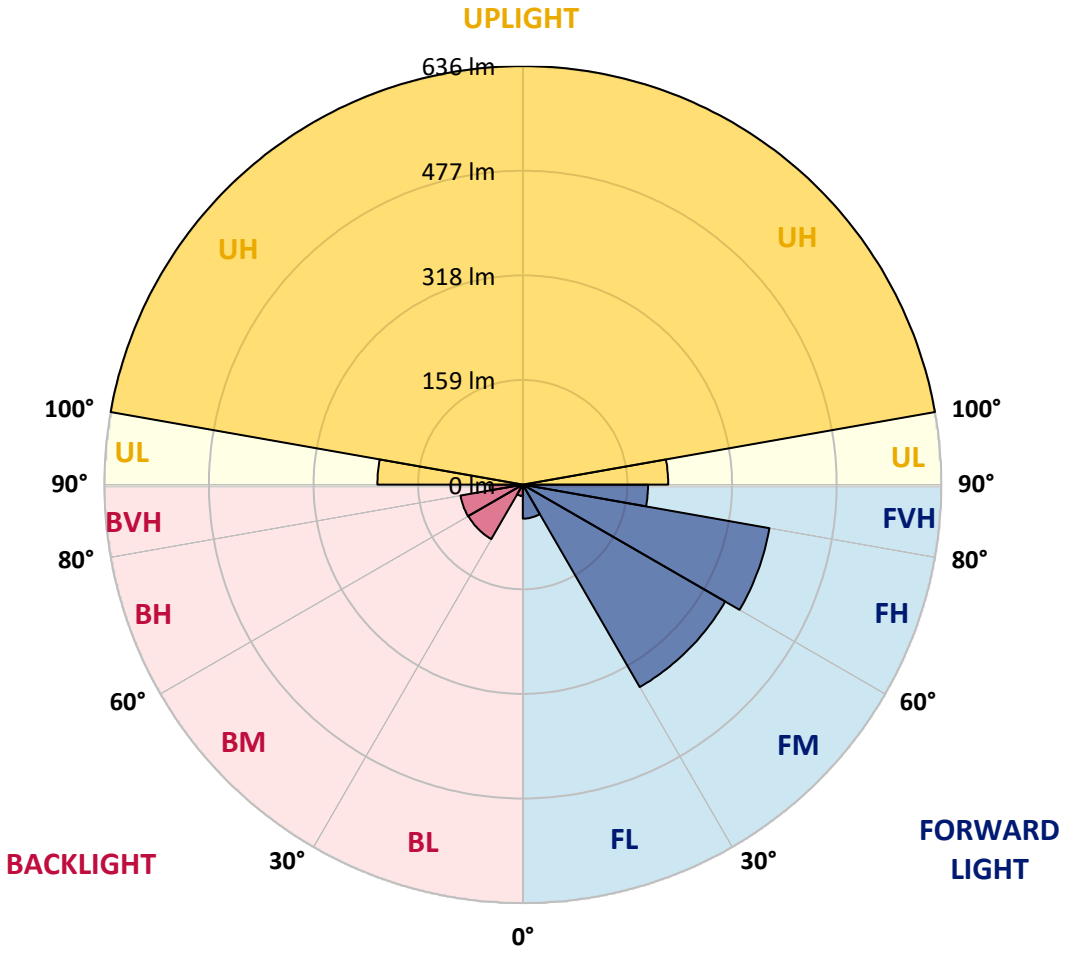
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	51.7	2.5			
FM	(30°-60°)	355.3	17.0			
FH	(60°-80°)	380.6	18.2			G0/660
FVH	(80°-90°)	190.3	9.1			G2/225
BL	(0°-30°)	17.1	0.8	B0/110		
BM	(30°-60°)	95.6	4.6	B0/220		
BH	(60°-80°)	96.1	4.6	B0/110		G0/110
BVH	(80°-90°)	50.5	2.4			G1/100
UL	(90°-100°)	221.0	10.6		U3/500	
UH	(100°-180°)	636.1	30.4		U4/1000	

BUG Rating: B0-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	27.0	27.5	27.5	27.3	27.0	26.6	26.1	25.2	23.4	22.0	20.6
5°	39.2	39.2	39.4	39.2	38.3	37.3	35.3	33.7	30.7	28.4	25.9
7.5°	53.2	53.8	53.6	52.9	51.3	49.3	46.7	43.8	40.8	37.3	33.5
10°	68.7	68.5	68.5	67.6	65.8	63.0	60.3	56.8	52.5	48.1	43.1
12.5°	83.4	84.1	83.6	82.5	80.2	78.1	74.7	70.8	65.8	61.2	54.3
15°	99.2	99.7	99.7	99.0	96.9	93.9	90.0	86.4	79.7	73.3	66.7
17.5°	117.3	116.6	115.7	115.7	113.2	110.7	106.8	101.7	94.4	87.3	78.4
20°	135.4	135.2	134.0	133.4	131.8	128.1	123.0	117.3	110.0	102.0	91.4
22.5°	152.4	154.7	154.4	153.3	151.2	147.6	142.1	135.2	127.6	117.5	105.4
25°	176.4	175.1	175.3	174.1	172.3	168.0	162.5	154.4	145.3	134.0	120.3
27.5°	197.3	196.8	196.8	196.1	193.6	189.0	182.6	175.1	164.5	151.2	135.9
30°	221.3	220.2	219.7	219.1	216.5	211.5	204.8	195.5	184.0	170.5	152.4
32.5°	244.0	243.1	241.5	241.3	239.4	234.2	226.6	217.0	203.9	188.1	168.2
35°	265.8	266.3	265.6	264.4	261.9	256.9	249.5	237.8	225.0	206.7	185.1
37.5°	287.8	287.6	288.0	287.1	283.2	278.4	269.7	257.3	242.7	222.7	200.0
40°	309.3	308.2	308.0	307.0	304.3	299.5	289.6	277.0	260.5	239.9	214.2
42.5°	327.9	328.3	327.9	327.0	323.3	317.8	307.5	293.5	276.1	253.9	227.5
45°	347.4	346.7	346.5	346.5	341.6	335.9	324.7	310.2	290.8	266.9	239.0
47.5°	362.7	363.6	363.2	362.0	358.8	351.7	339.8	324.0	303.6	279.1	249.3
50°	377.2	378.3	378.5	377.4	373.5	365.7	353.3	335.7	315.1	289.2	258.2
52.5°	390.4	390.2	390.9	390.2	386.5	378.5	364.3	346.5	324.2	297.6	265.1
55°	400.8	400.8	401.2	400.3	396.9	387.9	373.3	354.2	331.6	304.3	271.1
57.5°	409.0	409.5	409.2	409.0	405.1	395.7	380.1	360.4	337.5	309.1	275.4
60°	415.4	415.6	415.6	415.2	411.3	401.4	385.6	365.2	341.4	313.2	278.9
62.5°	419.5	419.8	419.8	419.3	415.4	405.3	389.3	368.2	344.2	315.7	281.1
65°	422.1	422.3	422.3	421.8	417.9	407.6	391.1	369.8	345.5	317.1	282.5
67°	423.0	423.0	423.0	422.8	418.6	408.5	391.6	370.1	346.0	317.6	283.2
67.5°	422.8	422.8	423.0	422.5	418.6	408.3	391.4	370.1	345.8	317.6	283.2
70°	422.1	422.1	422.1	421.6	417.7	407.4	390.4	368.9	345.1	317.1	283.0
72.5°	419.5	419.8	419.8	419.3	415.4	405.3	388.4	366.8	343.2	315.7	282.3
75°	416.6	416.6	416.6	416.1	412.2	402.1	385.4	364.1	341.0	313.9	280.9
77.5°	412.2	412.2	412.2	411.8	407.9	398.0	381.5	360.7	338.0	311.4	279.3
80°	406.7	406.9	406.7	406.3	402.4	392.5	376.7	356.3	334.1	308.4	277.0
82.5°	400.3	400.5	400.3	399.4	395.7	386.3	370.5	350.6	329.5	304.5	274.3
85°	392.0	391.8	392.0	390.7	387.5	378.1	363.6	344.2	323.8	299.9	270.4
87.5°	382.7	382.9	382.4	381.7	377.8	368.7	354.9	336.8	317.1	294.4	265.8
90°	372.3	372.3	372.1	371.2	367.1	358.8	345.8	328.3	310.0	288.3	261.0
92.5°	361.8	361.6	360.9	360.4	356.8	348.3	335.7	320.1	302.9	282.1	255.9
95°	350.1	350.1	349.7	348.7	344.6	337.7	325.6	310.9	294.7	275.4	250.7
97.5°	337.7	337.5	337.3	335.9	332.2	325.4	315.5	301.3	286.4	268.3	244.7
100°	325.6	324.9	324.5	323.1	319.9	313.2	303.8	291.5	277.0	260.5	238.3
102.5°	311.4	311.4	311.2	309.8	305.7	300.2	291.7	280.7	268.3	252.5	231.4
105°	298.8	297.6	297.2	295.8	292.6	286.6	279.5	269.9	258.5	243.8	224.6
107.5°	284.6	283.7	283.4	281.4	278.9	273.4	267.4	258.5	248.8	235.8	217.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*270.1*	269.7	269.5	267.4	264.2	260.5	254.3	247.2	238.8	226.8	210.8
112.5°	*255.9*	255.5	255.5	253.9	250.9	246.3	242.0	235.8	228.2	217.9	203.0
115°	*242.0*	241.3	241.0	239.2	236.2	232.8	228.4	224.1	217.7	209.0	195.5
117.5°	*228.0*	227.1	227.3	225.7	223.4	220.0	215.8	212.9	207.4	199.3	187.9
120°	*213.6*	213.8	213.8	211.7	209.7	206.9	203.5	200.5	196.8	189.7	179.2
122.5°	*199.8*	200.3	200.3	198.9	196.4	193.8	191.6	188.8	185.6	180.1	170.7
125°	*186.1*	187.0	186.5	185.4	183.3	180.6	179.0	176.7	174.1	169.6	161.3
127.5°	*173.5*	173.5	172.3	172.5	170.5	168.2	166.8	165.2	162.7	158.3	151.7
130°	*160.4*	160.6	160.9	159.5	157.6	155.8	154.4	153.7	151.7	148.0	141.4
132.5°	*148.5*	148.5	148.0	147.1	145.5	144.1	144.1	142.1	140.5	137.0	131.3
135°	*136.8*	136.6	136.6	135.6	134.5	133.8	132.2	131.3	129.7	126.5	122.1
137.5°	*125.3*	125.8	125.3	124.6	123.5	122.6	121.4	121.2	118.9	116.6	111.8
140°	*114.3*	115.0	114.3	114.1	113.2	112.0	111.4	110.4	109.8	106.8	102.7
142.5°	*104.0*	104.5	104.0	103.8	103.1	102.2	101.7	101.0	99.4	97.6	94.2
145°	*95.1*	94.9	94.9	94.6	93.7	93.0	92.3	91.9	91.0	89.1	85.2
147.5°	*86.4*	85.7	86.2	85.7	85.0	84.6	84.3	83.4	82.5	80.7	77.9
150°	*77.4*	77.9	77.7	77.4	76.8	76.8	76.1	75.4	74.7	72.6	70.8
152.5°	*70.1*	70.1	70.3	69.9	69.7	69.0	68.5	68.3	67.4	66.0	63.9
155°	*63.9*	63.7	63.7	63.7	63.2	62.6	62.3	61.9	61.4	59.8	58.0
157.5°	*58.0*	58.0	58.0	57.7	57.7	57.1	56.8	56.1	55.5	54.5	52.9
160°	*52.9*	52.9	52.7	52.7	52.5	52.2	51.8	51.1	50.6	50.0	48.6
162.5°	*48.8*	48.6	48.6	48.3	48.1	47.7	47.4	47.2	46.5	45.8	44.7
165°	*44.9*	44.9	44.9	44.7	44.5	44.2	44.0	43.5	43.1	42.6	41.9
167.5°	*41.9*	41.9	41.9	41.7	41.7	41.5	41.2	40.8	40.3	39.9	39.4
170°	*39.6*	39.6	39.6	39.4	39.2	39.0	38.7	38.5	38.3	37.8	37.6
172.5°	*37.8*	37.8	37.8	37.8	37.3	37.1	36.9	36.9	36.7	36.4	36.2
175°	*36.2*	36.2	36.2	36.2	36.0	35.7	35.5	35.5	35.3	35.1	34.8
177.5°	*35.3*	35.3	35.3	35.1	35.1	34.8	34.6	34.6	34.4	34.4	34.1
180°	*34.1*	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	19.7	18.8	17.2	15.8	14.7	13.5	12.8	12.1	12.1	12.4	11.9
5°	23.8	22.2	19.2	16.0	13.3	11.0	9.2	7.6	6.2	5.5	5.5
7.5°	31.6	29.8	25.7	21.5	17.6	14.0	11.0	8.5	6.4	5.3	5.0
10°	40.6	38.5	32.8	27.7	22.9	18.3	14.4	11.0	8.7	7.6	7.3
12.5°	50.9	48.1	41.2	34.8	28.6	22.9	18.1	14.2	11.9	10.8	10.5
15°	62.8	58.4	50.6	42.6	34.6	27.5	21.8	17.4	14.9	13.3	13.3
17.5°	73.6	69.0	59.6	49.3	40.1	31.8	25.0	19.7	16.3	14.7	14.4
20°	85.9	79.7	68.5	56.6	45.4	35.3	27.0	21.1	17.0	14.9	14.9
22.5°	98.5	92.1	78.4	63.9	50.4	38.5	29.1	22.0	17.4	15.1	14.9
25°	113.4	104.7	88.2	71.9	56.1	41.9	30.9	22.9	17.9	15.6	15.1
27.5°	127.9	118.9	99.7	80.0	61.4	45.4	32.5	23.8	18.3	15.8	15.6
30°	143.0	132.0	110.2	88.2	66.9	48.3	34.1	24.5	18.6	16.0	15.6
32.5°	158.1	146.0	121.9	96.2	72.2	51.1	35.5	25.0	19.0	16.3	15.8
35°	173.5	160.4	133.1	104.3	77.0	53.6	36.4	25.4	19.2	16.3	16.0
37.5°	186.7	173.0	143.7	111.6	81.1	55.7	37.3	25.9	19.2	16.5	16.3
40°	200.0	185.1	152.8	117.8	84.8	57.3	38.0	26.1	19.5	16.7	16.5
42.5°	211.9	195.5	160.9	123.3	87.8	58.4	38.3	26.1	19.7	17.0	16.7
45°	222.7	206.0	168.4	128.5	90.3	59.1	38.5	26.4	19.9	17.2	17.0
47.5°	232.6	214.7	175.3	132.9	92.3	59.8	38.5	26.4	20.2	17.6	17.2
50°	240.8	222.0	181.0	136.6	93.7	60.0	38.3	26.4	20.4	17.9	17.6
52.5°	247.2	228.2	185.8	139.1	94.6	59.8	38.0	26.4	20.6	18.1	17.9
55°	252.7	233.3	189.3	141.1	94.9	59.3	37.8	26.4	20.9	18.6	18.3
57.5°	256.9	236.9	192.2	142.8	95.1	58.9	37.3	26.4	21.1	18.8	18.6
60°	260.1	240.1	194.5	143.7	94.9	58.2	37.1	26.4	21.3	19.2	19.0
62.5°	262.4	242.0	195.9	143.9	94.2	57.5	36.7	26.4	21.5	19.7	19.5
65°	263.7	243.3	197.1	144.1	93.5	56.8	36.4	26.6	22.0	20.4	20.2
67°	*264.2*	*244.0*	*197.3*	*144.1*	*93.0*	*56.4*	*36.4*	*26.8*	*22.5*	*20.6*	*20.4*
67.5°	264.4	244.0	197.3	143.9	92.8	56.4	36.4	26.8	22.5	20.9	20.6
70°	264.2	244.0	197.3	143.4	92.1	55.9	36.2	27.3	23.1	21.5	21.3
72.5°	263.7	243.6	196.8	142.8	91.2	55.5	36.4	27.7	23.8	22.2	22.0
75°	262.6	242.7	195.9	141.8	90.5	55.0	36.7	28.2	24.5	23.1	22.9
77.5°	261.4	241.5	195.2	140.9	89.8	55.0	36.9	28.9	25.4	24.1	23.8
80°	259.4	239.9	193.8	140.0	89.1	54.8	37.3	29.8	26.4	25.0	24.7
82.5°	256.9	237.6	192.0	138.6	88.4	54.8	38.0	30.5	27.3	25.9	25.7
85°	253.4	234.6	189.7	136.8	87.8	55.0	38.5	31.4	28.2	27.0	26.8
87.5°	249.5	231.0	187.0	135.2	87.1	55.0	39.2	32.3	29.1	28.0	28.0
90°	244.9	227.1	183.8	133.4	86.4	55.5	40.1	33.2	30.2	29.1	29.1
92.5°	240.8	222.9	181.2	131.5	85.9	55.9	41.0	34.4	31.4	30.2	30.2
95°	235.3	218.6	177.6	129.9	85.7	56.4	41.9	35.5	32.8	31.6	31.4
97.5°	230.1	213.8	174.4	128.1	85.5	57.3	43.1	36.9	33.9	32.8	32.8
100°	224.3	209.0	170.7	126.5	85.5	58.4	44.7	38.3	35.5	34.4	34.1
102.5°	218.8	203.7	167.0	124.9	85.9	59.6	46.3	39.9	37.1	36.0	35.7
105°	212.6	198.2	163.8	123.5	86.4	61.2	48.1	41.9	39.0	37.8	37.6
107.5°	206.4	193.2	160.2	122.4	87.3	63.2	50.4	44.0	41.0	39.6	39.4

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

Scaled Data Report

REPORT NUMBER: P1045839
CATALOG NUMBER: FFX-CLB-20-727-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	199.8	187.7	157.0	121.4	88.7	65.5	52.9	46.7	43.3	41.9	41.7
112.5°	193.6	182.2	153.5	120.8	90.0	68.3	55.9	49.3	46.1	44.2	44.0
115°	186.7	176.4	150.3	120.1	91.7	71.0	59.1	52.0	48.6	46.7	46.7
117.5°	180.1	170.5	146.6	119.4	93.3	74.0	62.1	55.0	51.1	49.3	49.0
120°	172.3	164.1	142.8	118.0	94.2	76.3	64.6	57.5	53.2	51.3	51.1
122.5°	164.5	157.0	137.7	115.9	94.4	77.7	66.4	59.6	55.0	52.9	52.7
125°	155.6	149.2	132.4	112.7	93.7	78.4	67.6	60.3	55.7	53.4	53.2
127.5°	146.9	140.7	126.3	108.8	91.9	77.7	67.4	60.3	55.7	53.2	52.9
130°	137.5	132.0	118.9	104.0	88.9	76.1	66.4	59.3	54.8	52.2	52.0
132.5°	127.9	123.3	111.8	98.8	85.2	73.6	64.4	57.7	53.2	50.9	50.6
135°	118.5	114.3	104.5	92.8	81.3	70.6	62.1	55.7	51.1	49.0	49.0
137.5°	109.5	105.6	96.9	87.1	76.8	67.1	59.3	53.2	49.3	47.2	46.7
140°	100.4	97.2	89.6	80.9	71.9	63.5	56.4	50.6	47.0	45.1	44.9
142.5°	91.9	89.1	82.7	75.6	67.4	60.0	53.4	48.6	45.1	43.3	43.1
145°	83.9	81.3	75.8	69.4	62.8	56.4	50.4	46.1	43.1	41.7	41.5
147.5°	75.8	74.2	69.7	64.4	58.2	52.5	47.7	44.0	41.2	40.1	39.9
150°	69.2	67.1	63.7	58.9	54.1	49.3	45.1	41.9	39.9	38.7	38.7
152.5°	62.6	61.4	58.0	54.3	50.2	46.3	42.6	40.1	38.5	37.6	37.6
155°	57.5	55.9	52.9	50.0	46.5	43.3	40.8	38.7	37.3	36.7	36.4
157.5°	52.2	51.3	49.0	46.3	43.8	41.2	39.2	37.6	36.4	36.0	35.7
160°	47.9	47.2	45.4	43.3	41.2	39.4	37.8	36.7	35.7	35.3	35.3
162.5°	44.2	43.8	42.2	40.8	39.2	37.8	36.7	35.7	35.3	35.1	35.1
165°	41.5	41.0	39.9	38.7	37.8	36.7	36.0	35.3	34.8	34.8	34.8
167.5°	39.2	38.7	38.0	37.3	36.7	35.7	35.3	34.8	34.8	34.6	34.6
170°	37.3	37.1	36.4	36.0	35.5	35.1	34.8	34.6	34.4	34.4	34.4
172.5°	36.0	35.7	35.3	35.1	34.6	34.4	34.4	34.4	34.4	34.4	34.4
175°	34.8	34.6	34.6	34.4	34.1	34.1	33.9	34.1	34.1	34.1	34.1
177.5°	34.1	34.1	33.9	33.9	33.9	33.9	33.9	34.1	34.1	34.4	34.4
180°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1

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: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

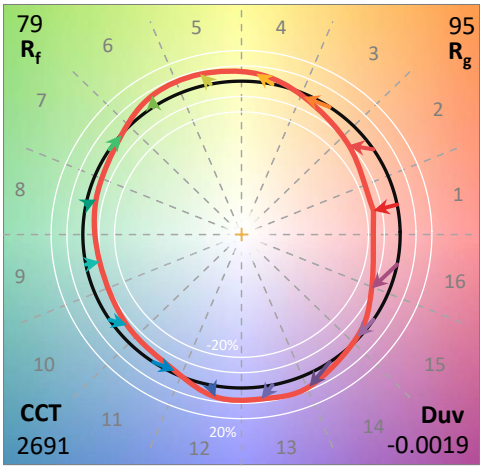
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

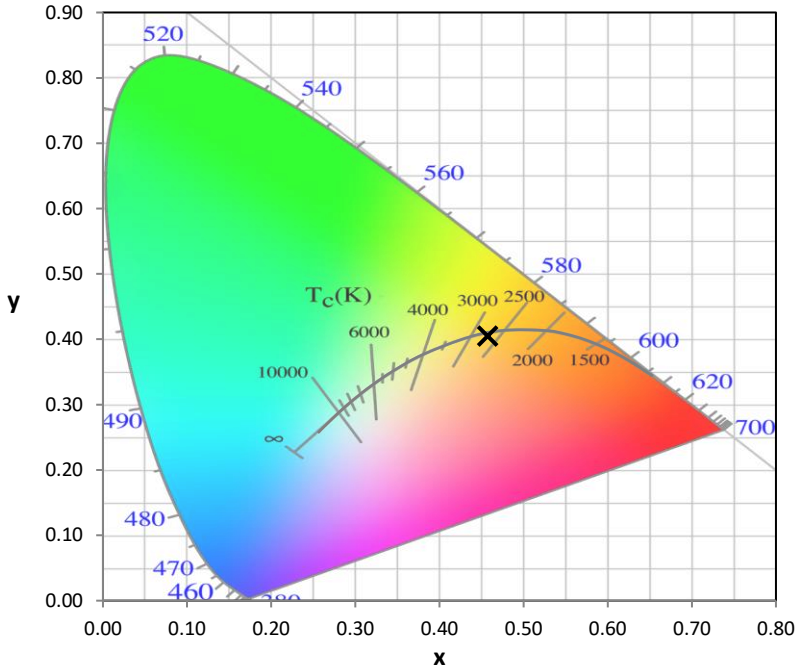
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

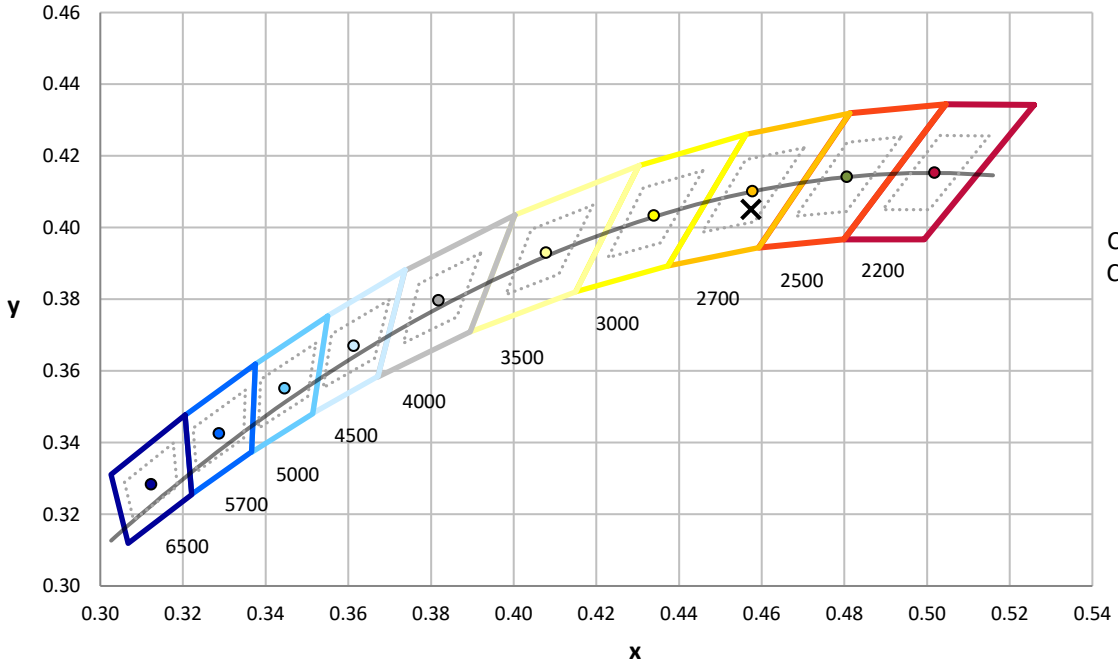
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

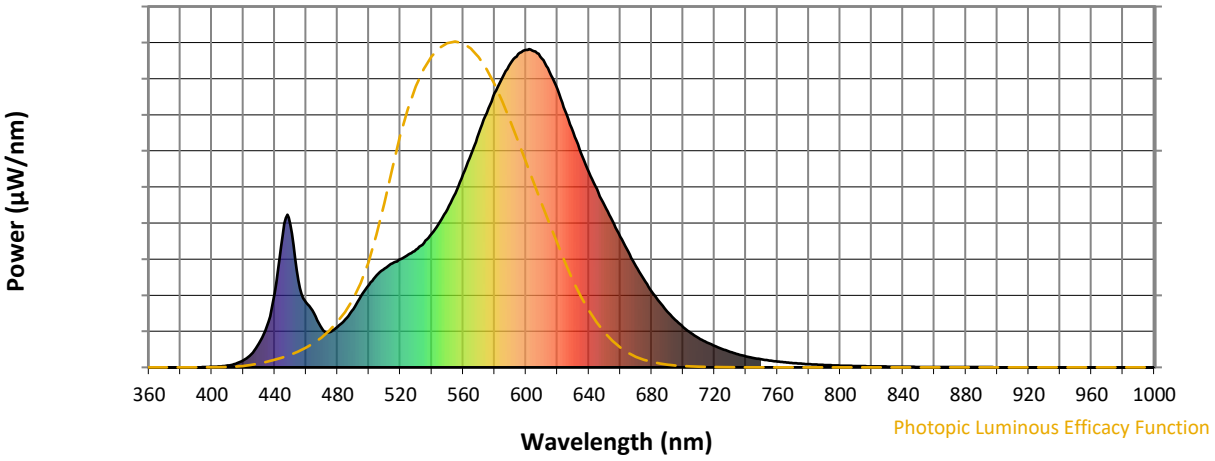


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

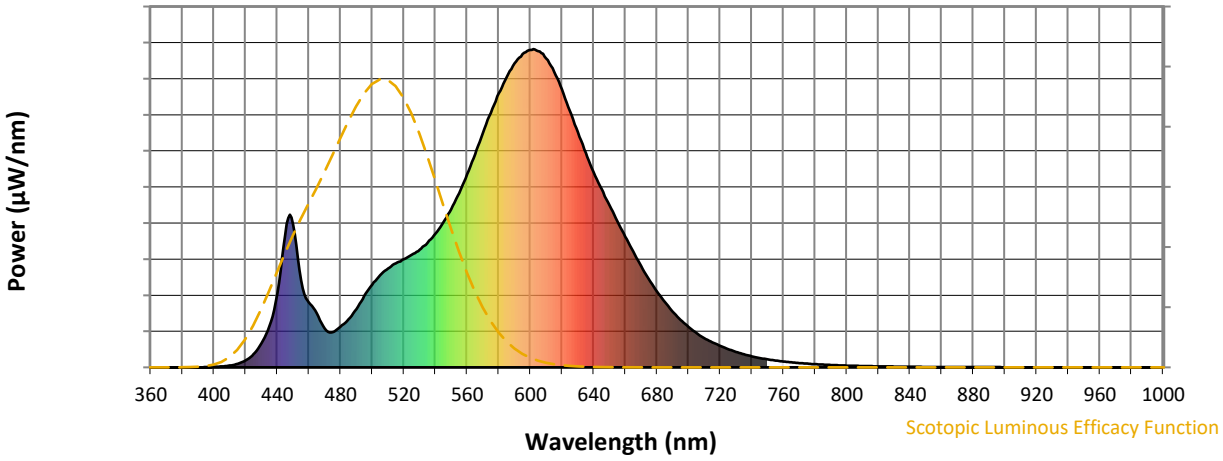


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

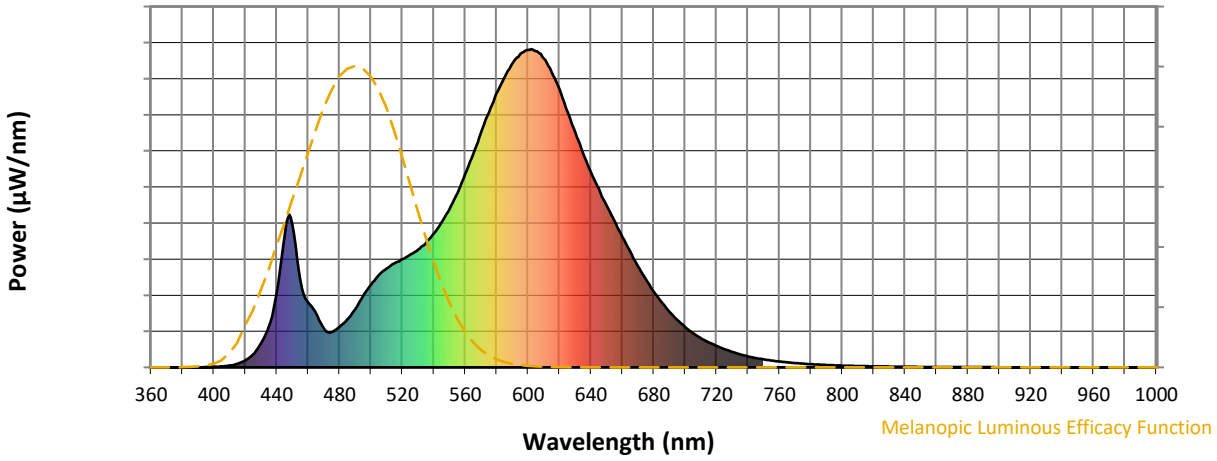


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

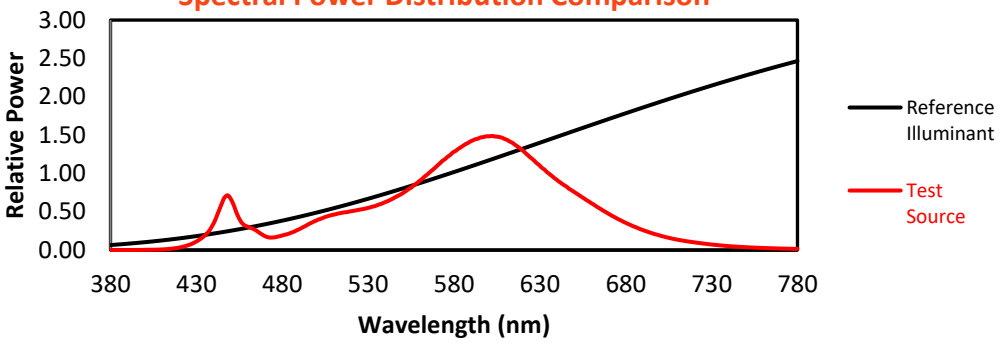
REPORT NUMBER: SP1-2501-332-8

TM-30-18

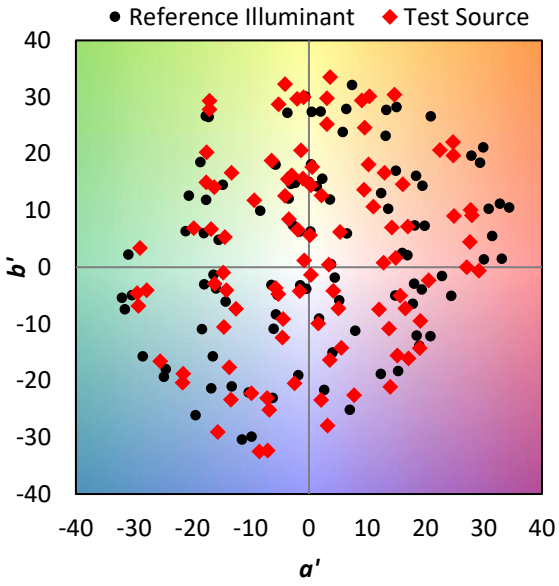
Summary

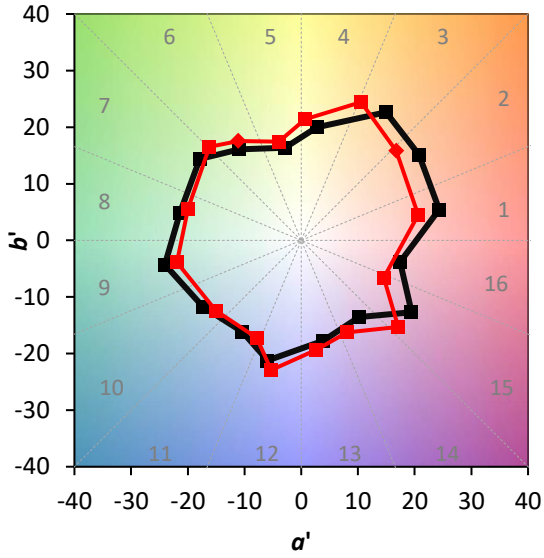
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

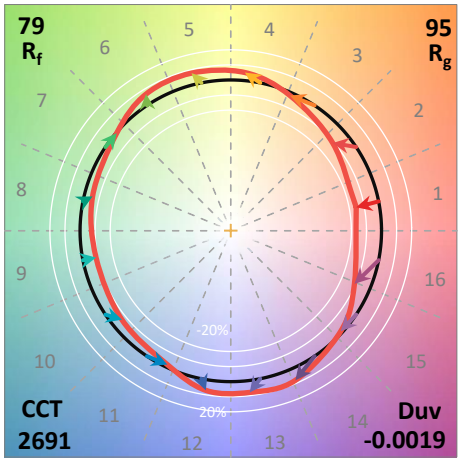
Spectral Power Distribution Comparison

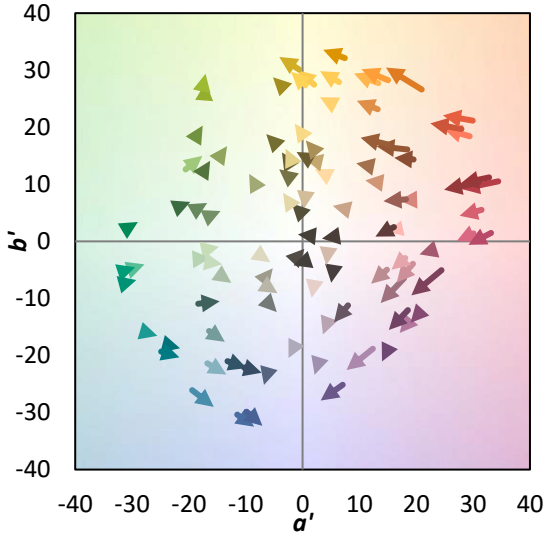


Color Vector Graphics







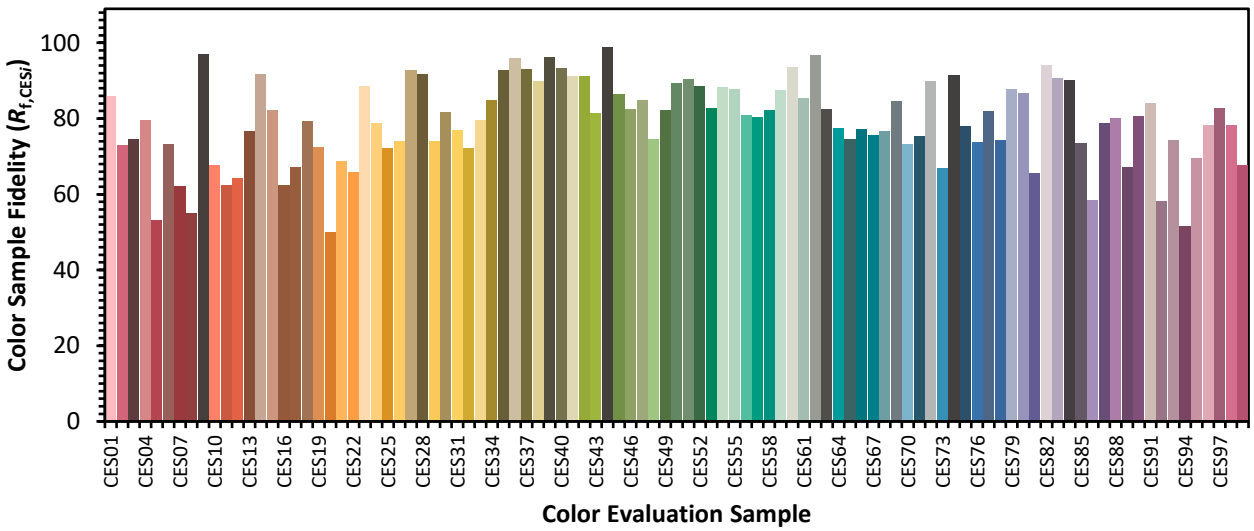


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

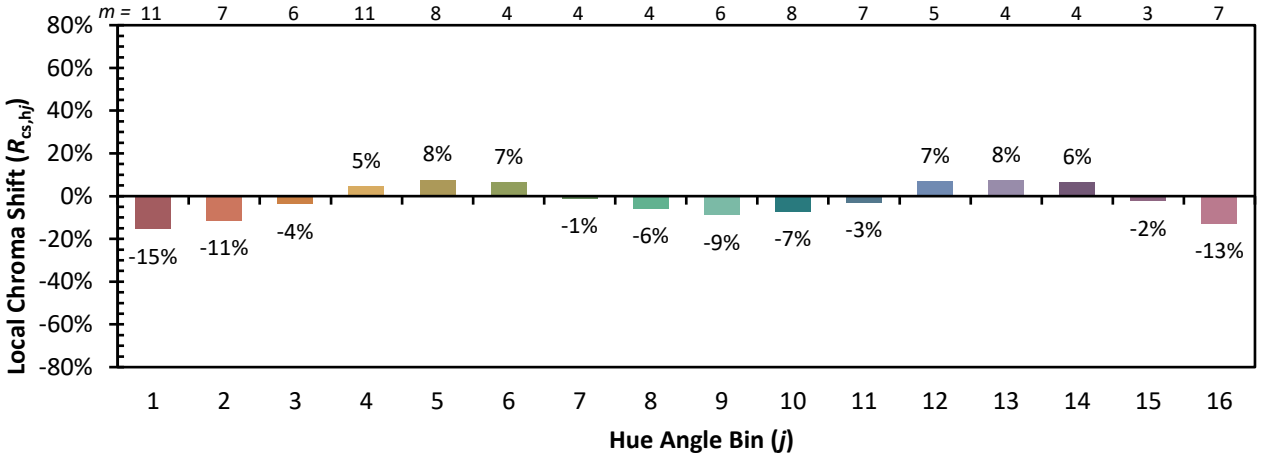
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

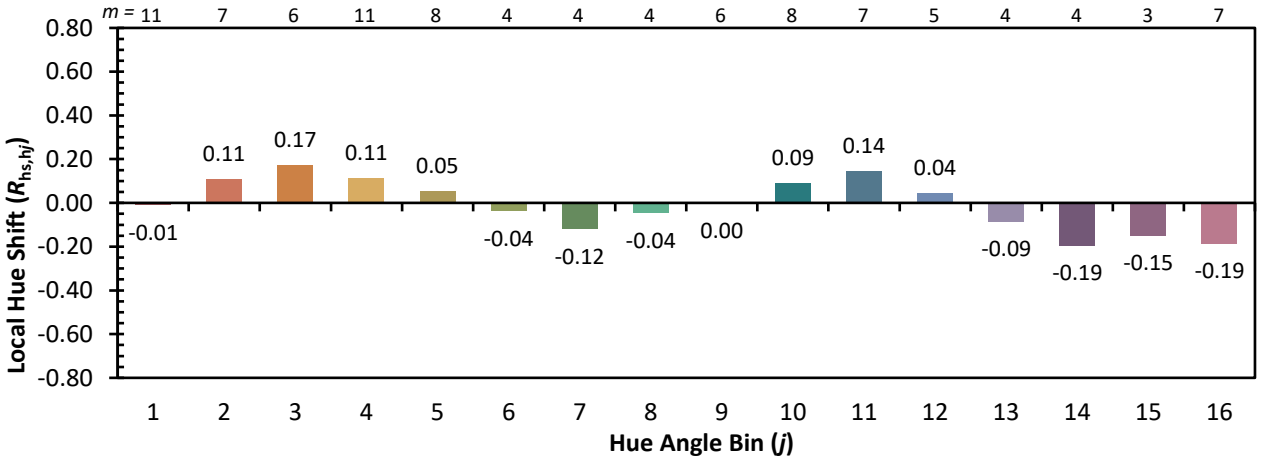


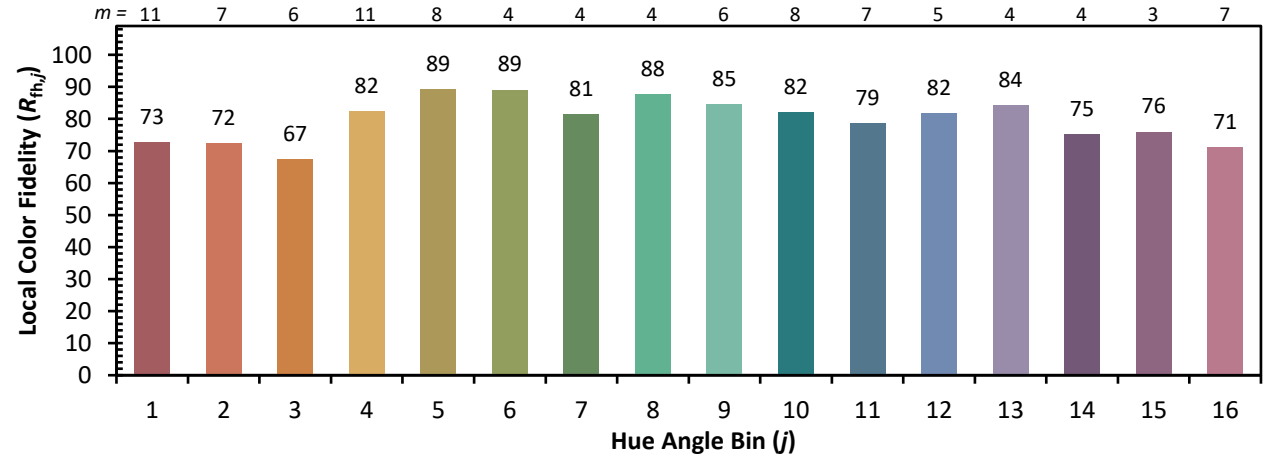
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Color Rendition by Hue-Angle Bin



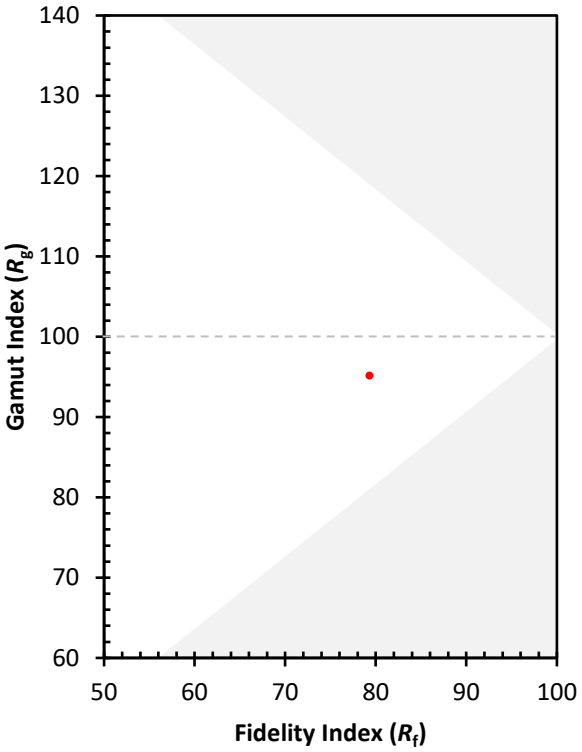


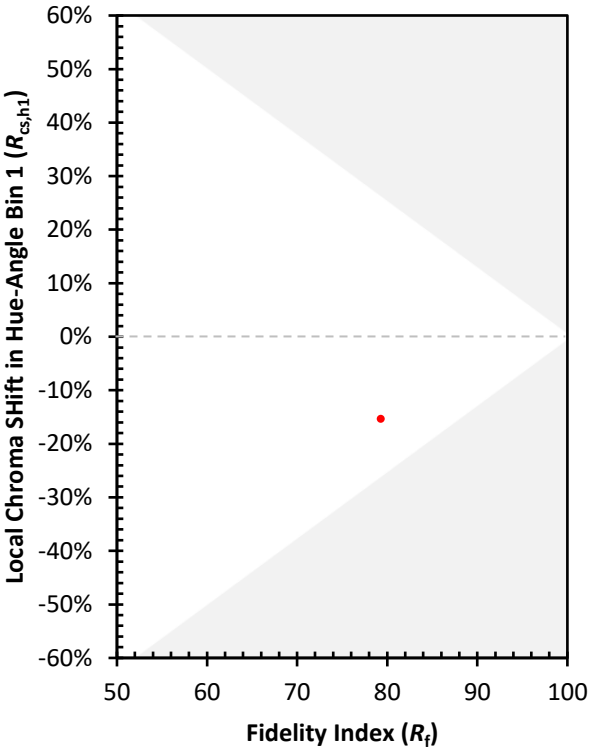


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Measure Comparisons





(END OF REPORT)