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: P1045919

Luminaire Tested: **FFX-CLB-30-722-U-FG-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:	P1045919
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2922.1 lumens
Efficiency:	N/A
Efficacy:	95.5 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):	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

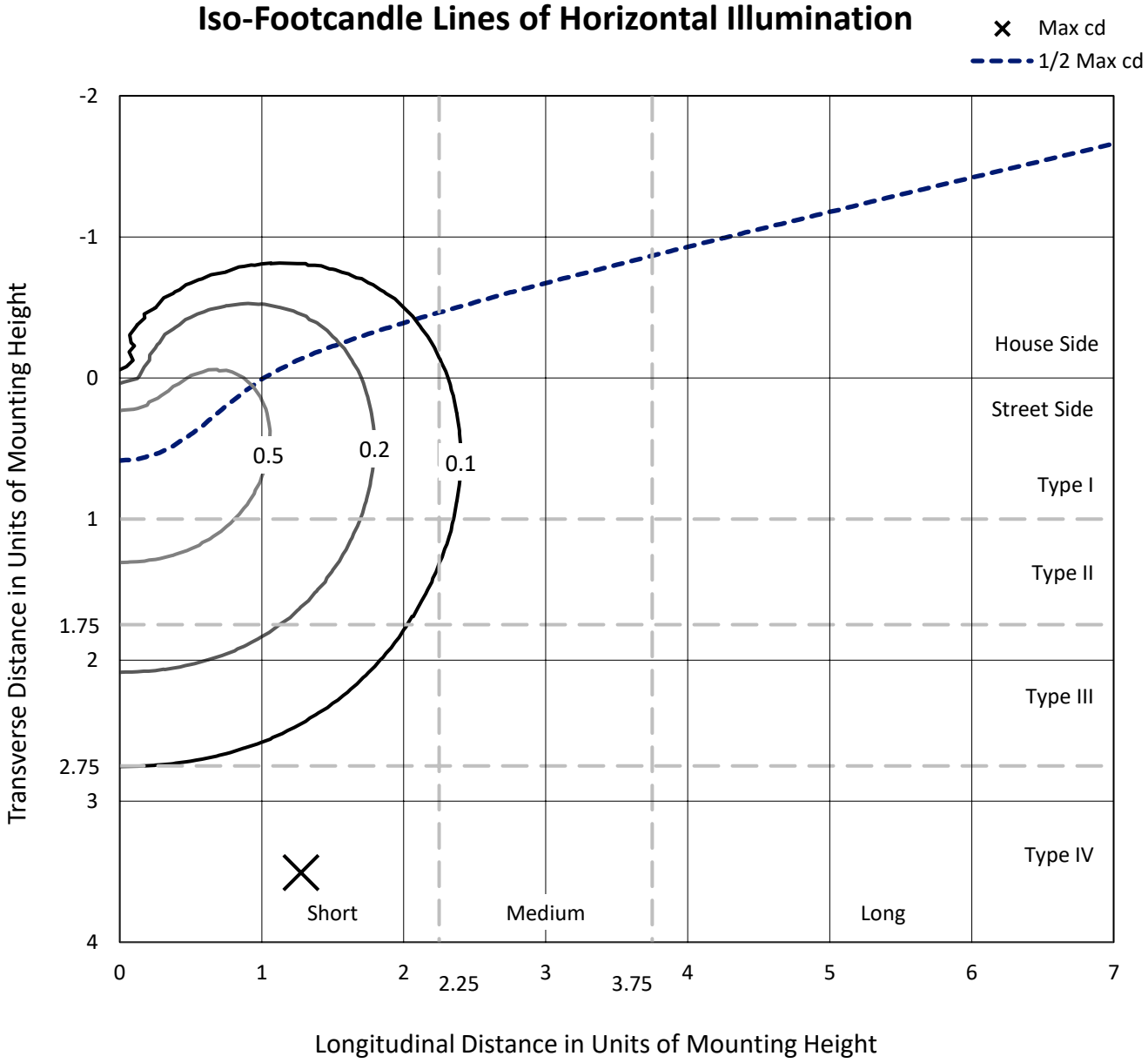


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Iso-Footcandle Lines of Horizontal Illumination



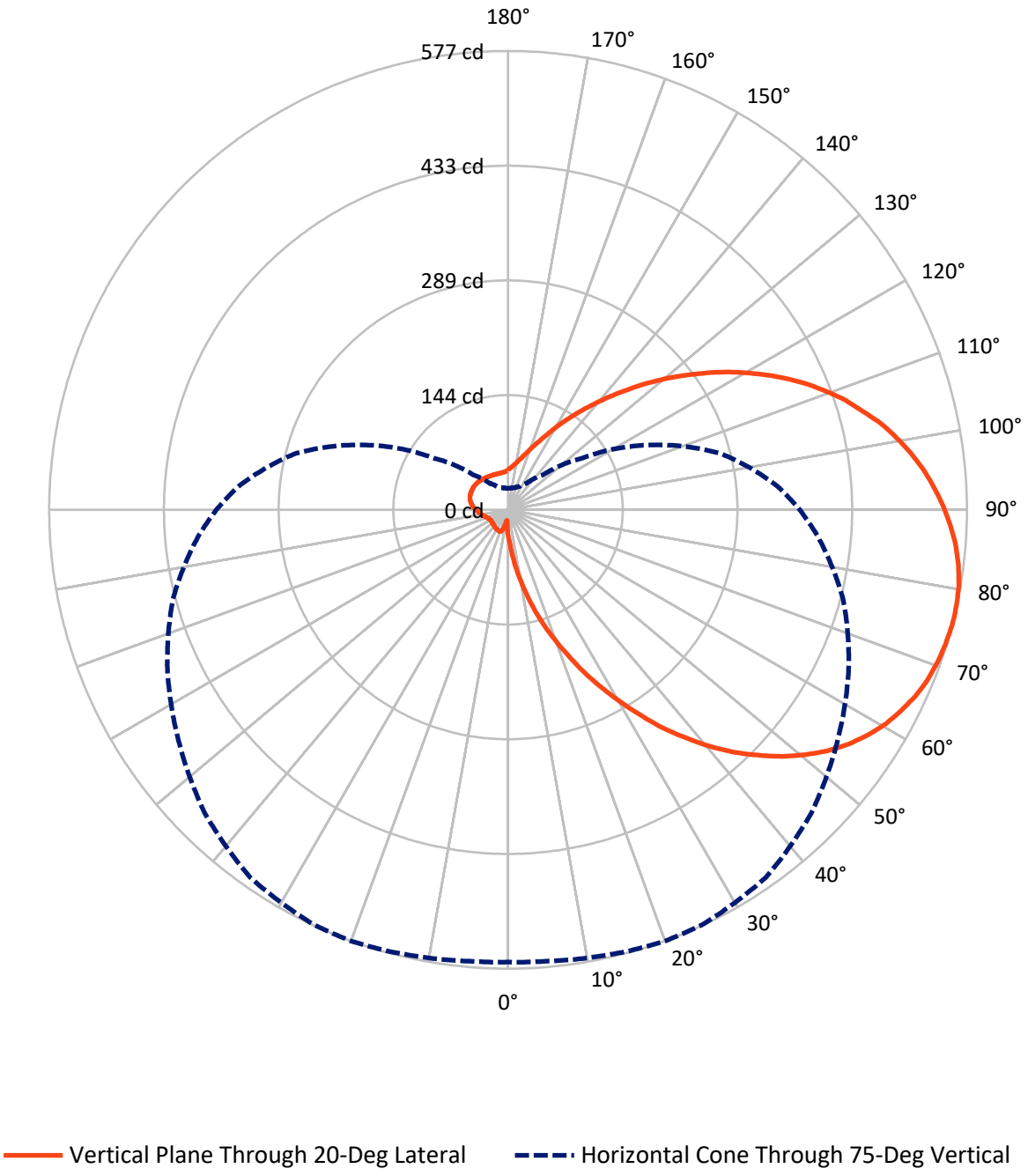
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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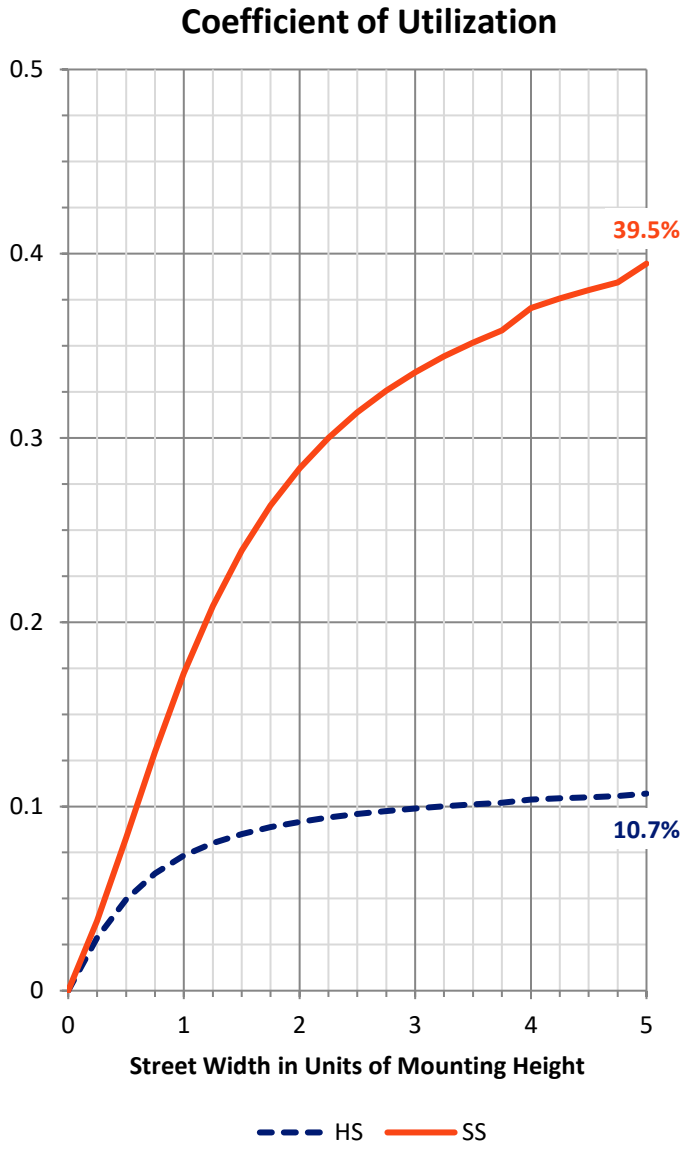
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	337.8	321.4	659.2
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	1326.6	936.3	2262.9
	% Fixture	45.4	32.0	77.4
Total	Lumens	1664.4	1257.7	2922.1
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	24.4	0.8
20°-30°	64.6	2.2
30°-40°	124.7	4.3
40°-50°	195.3	6.7
50°-60°	261.2	8.9
60°-70°	309.5	10.6
70°-80°	337.2	11.5
80°-90°	343.3	11.7
90°-100°	325.5	11.1
100°-110°	287.9	9.9
110°-120°	233.7	8.0
120°-130°	172.0	5.9
130°-140°	114.1	3.9
140°-150°	67.2	2.3
150°-160°	35.5	1.2
160°-170°	16.7	0.6
170°-180°	4.9	0.2
0°-90°	1664.4	57.0
0°-180°	2922.1	100.0



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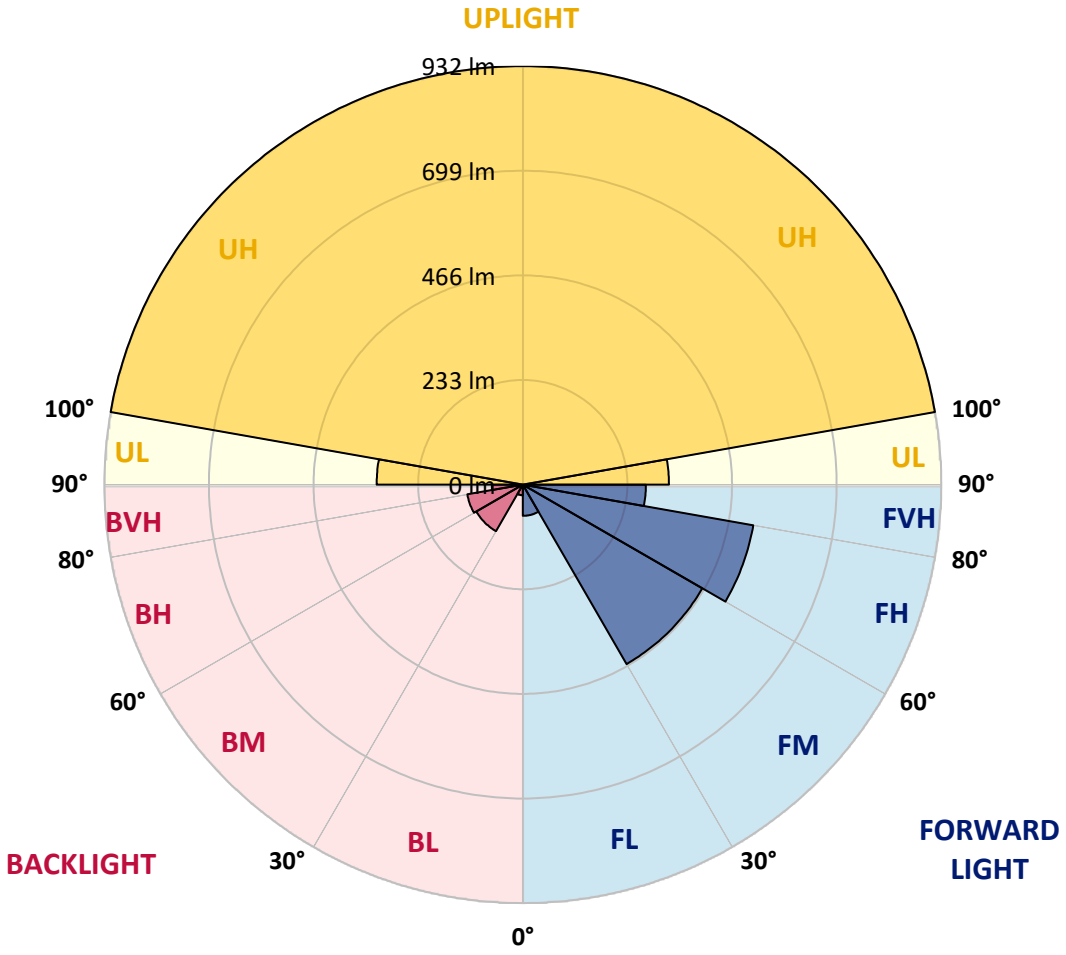
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	69.5	2.4			
FM	(30°-60°)	461.7	15.8			
FH	(60°-80°)	521.3	17.8			G0/660
FVH	(80°-90°)	274.1	9.4			G3/500
BL	(0°-30°)	23.6	0.8	B0/110		
BM	(30°-60°)	119.6	4.1	B0/220		
BH	(60°-80°)	125.5	4.3	B1/500		G1/500
BVH	(80°-90°)	69.2	2.4			G1/100
UL	(90°-100°)	325.5	11.1		U3/500	
UH	(100°-180°)	932.1	31.9		U4/1000	

BUG Rating: B1-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	40.8	40.8	41.1	41.1	41.5	40.8	39.9	39.3	38.4	36.2	34.4
5°	56.8	57.1	56.5	56.8	57.1	55.6	53.4	50.7	46.7	43.0	39.0
7.5°	76.1	77.1	75.5	75.2	74.3	71.8	68.8	64.5	60.2	55.3	49.4
10°	97.3	97.0	95.2	93.0	92.4	89.3	85.4	81.4	74.9	68.8	62.6
12.5°	117.3	117.0	115.4	113.9	113.0	109.0	104.1	99.5	92.7	84.7	77.1
15°	138.2	138.5	136.9	136.0	134.2	130.2	126.2	119.4	112.7	103.5	94.3
17.5°	159.0	159.7	158.1	157.5	156.0	152.6	147.4	140.3	131.7	121.0	109.3
20°	182.1	182.7	181.8	179.6	177.8	174.1	169.5	160.6	151.1	140.0	125.0
22.5°	206.6	206.9	204.2	203.6	201.7	198.3	191.6	183.6	172.9	158.7	143.1
25°	230.9	230.9	230.3	229.7	226.9	222.9	216.2	206.3	194.4	179.3	160.9
27.5°	257.0	257.3	255.8	255.1	253.0	247.8	240.7	230.0	217.7	199.6	178.7
30°	284.6	284.3	282.8	281.6	280.6	275.4	267.4	256.4	241.0	220.1	199.0
32.5°	312.3	311.3	310.4	309.2	308.9	302.1	295.7	282.2	266.2	244.1	218.6
35°	340.5	338.4	337.7	338.0	336.5	331.0	321.5	308.3	289.8	266.8	238.0
37.5°	365.1	366.9	365.4	364.1	364.5	358.3	348.2	333.4	314.1	288.6	257.6
40°	392.4	391.2	391.2	391.2	390.2	384.7	374.0	357.7	335.6	308.6	274.8
42.5°	416.0	416.0	417.6	416.7	415.7	409.3	397.6	379.5	356.2	327.0	291.4
45°	440.3	439.7	441.5	440.3	439.7	432.9	420.6	401.9	377.3	345.4	308.0
47.5°	462.7	463.0	463.6	463.6	463.0	455.3	442.4	420.3	395.5	361.4	322.1
50°	482.0	483.6	485.4	484.2	484.8	476.5	462.1	439.7	410.8	376.4	334.7
52.5°	501.1	501.1	503.5	503.5	502.9	494.9	478.7	455.0	426.5	389.9	346.3
55°	517.4	517.7	519.8	520.1	519.8	510.6	493.4	467.9	438.1	401.3	355.9
57.5°	529.6	530.6	533.3	534.2	533.0	524.7	505.4	479.6	448.0	410.2	364.1
60°	540.7	541.9	545.0	546.2	545.3	536.4	516.1	488.5	456.0	417.9	371.2
62.5°	550.5	550.8	554.8	555.4	555.1	545.6	524.1	495.3	462.4	423.7	377.3
65°	557.6	558.5	562.8	563.7	563.1	553.0	530.6	500.8	467.6	428.6	382.0
67.5°	563.1	563.7	568.0	569.6	568.9	558.2	535.2	504.2	470.7	432.0	385.6
70°	566.2	567.1	572.0	573.2	572.6	561.9	537.9	505.7	472.5	434.5	388.1
72.5°	568.0	568.9	574.2	575.7	575.4	564.0	539.2	506.3	473.1	435.7	389.9
75°	568.9	569.9	575.1	577.2	576.3	564.9	539.5	506.0	472.8	436.6	391.5
76°	568.9	569.6	575.1	577.2	576.3	564.9	539.5	505.4	472.5	436.9	392.1
77.5°	568.3	569.2	574.8	576.6	576.0	564.6	538.5	504.2	471.6	436.3	392.4
80°	566.8	567.7	572.9	575.1	574.2	562.5	536.4	501.7	469.2	435.1	392.4
82.5°	563.4	564.3	569.2	570.8	570.5	558.8	532.4	497.4	465.5	432.9	391.8
85°	558.2	559.1	563.1	564.9	564.0	553.0	526.6	491.6	460.9	429.5	389.9
87.5°	551.1	551.7	556.0	556.7	556.4	545.3	519.2	484.2	454.7	424.9	386.9
90°	542.5	543.1	546.5	547.4	546.5	536.1	509.7	476.2	447.0	419.4	383.2
92.5°	533.6	533.3	535.8	536.7	535.8	525.3	499.9	466.7	439.1	413.3	378.6
95°	523.2	523.8	524.4	525.0	523.8	513.7	488.8	456.3	430.5	406.5	374.3
97.5°	511.5	511.2	511.8	511.8	510.6	500.5	476.2	446.1	420.6	399.1	368.4
100°	499.2	498.9	498.3	497.1	495.9	486.0	463.6	433.5	410.5	390.2	362.6
102.5°	485.7	483.9	482.0	481.7	479.0	470.7	449.2	421.6	399.8	382.0	355.2
105°	469.2	468.5	465.8	463.3	461.8	452.6	432.9	408.4	388.4	371.8	347.3
107.5°	452.3	451.0	447.0	446.1	443.1	434.8	417.0	395.2	377.0	361.7	337.7

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CATALOG NUMBER: FFX-CLB-30-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	434.2	433.5	429.2	*426.5*	424.0	414.8	399.5	381.0	364.5	350.3	327.0
112.5°	413.9	413.3	408.7	*406.5*	402.8	395.8	381.3	364.8	350.6	337.7	315.3
115°	393.3	393.0	387.8	*385.0*	381.6	373.1	361.4	348.5	335.9	323.0	301.2
117.5°	372.7	371.2	366.0	*362.6*	359.2	351.6	342.0	331.9	320.2	308.3	286.8
120°	349.4	349.1	343.3	*340.5*	337.4	330.4	322.1	312.6	303.4	291.4	272.3
122.5°	327.0	326.7	321.5	*318.1*	314.1	308.6	301.8	294.4	286.2	274.5	255.8
125°	304.3	303.7	298.1	*294.8*	291.4	286.8	280.3	275.1	268.4	257.3	239.5
127.5°	281.2	280.0	276.6	*273.3*	269.6	263.7	261.6	257.0	249.6	238.9	223.2
130°	259.8	259.1	254.5	*251.5*	247.8	243.2	241.3	237.6	232.4	222.6	207.9
132.5°	237.3	236.7	234.0	*230.9*	227.8	223.2	222.3	218.9	213.7	205.7	191.9
135°	217.4	216.8	213.7	*210.3*	208.8	205.4	204.2	201.4	196.5	188.5	176.5
137.5°	198.0	197.7	194.7	*191.9*	190.1	187.6	186.4	183.9	180.2	173.2	162.1
140°	180.5	179.0	176.5	*174.1*	172.2	169.8	169.2	167.0	164.3	157.5	149.5
142.5°	163.0	162.1	160.3	*158.1*	156.9	154.1	152.6	151.7	148.0	142.8	136.3
145°	145.8	145.8	144.3	*142.8*	140.9	139.1	137.9	136.9	133.9	129.3	123.1
147.5°	131.4	131.4	130.2	*129.6*	128.0	125.6	124.7	123.7	121.0	117.3	112.4
150°	119.1	118.5	117.6	*116.7*	115.4	113.3	111.8	110.8	108.7	105.9	101.3
152.5°	106.8	106.8	106.2	*105.0*	104.1	102.6	101.3	100.1	98.6	95.5	91.8
155°	96.4	96.4	95.5	*94.9*	94.3	93.0	91.8	90.6	88.7	86.3	83.5
157.5°	87.8	87.8	87.2	*86.9*	85.7	85.0	83.8	82.6	80.8	78.6	76.1
160°	79.8	80.1	79.8	*79.5*	78.6	77.7	76.5	75.2	73.7	71.8	70.0
162.5°	73.4	73.7	73.1	*72.8*	72.2	71.2	70.0	69.4	68.2	66.0	64.2
165°	67.9	67.9	67.5	*67.2*	66.9	65.7	65.1	64.5	63.2	61.7	60.2
167.5°	63.6	63.6	63.2	*63.2*	62.6	62.0	61.1	60.5	59.3	58.3	56.5
170°	59.9	59.9	59.6	*59.3*	59.0	58.3	57.7	56.8	56.2	55.0	54.0
172.5°	56.8	56.8	56.5	*56.2*	56.2	55.3	55.0	54.3	53.7	52.8	51.9
175°	54.3	54.0	54.0	*53.7*	53.4	52.8	52.5	52.2	51.6	51.3	50.7
177.5°	52.2	52.2	51.9	*51.9*	51.6	51.0	51.0	50.7	50.4	50.0	49.7
180°	49.4	49.4	49.4	*49.4*	49.4	49.4	49.4	49.4	49.4	49.4	49.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	33.5	32.5	30.1	27.9	26.4	24.3	22.4	21.8	21.5	21.2	21.2
5°	36.8	35.0	30.7	26.7	23.0	20.0	17.2	14.4	12.3	11.1	10.4
7.5°	46.4	44.2	38.4	33.2	27.9	23.3	18.7	15.4	12.3	10.4	10.4
10°	59.0	55.9	48.5	41.1	34.7	27.9	22.4	17.8	15.0	13.5	13.5
12.5°	72.2	68.2	59.6	50.0	41.1	33.5	26.7	21.8	18.7	17.5	17.5
15°	87.8	82.6	71.5	59.6	48.8	39.6	31.9	26.4	22.7	21.2	20.9
17.5°	102.9	96.1	82.9	69.4	56.5	45.4	36.5	29.5	25.5	23.3	23.0
20°	118.8	110.5	94.9	78.3	63.6	50.0	39.3	31.6	26.4	23.9	23.6
22.5°	133.6	124.7	105.9	86.6	69.1	53.4	40.8	31.9	26.1	23.3	23.0
25°	150.4	140.3	118.2	95.5	74.9	56.2	42.1	31.9	25.8	22.7	22.4
27.5°	167.6	155.7	130.8	104.4	80.1	59.3	43.0	31.9	25.2	22.1	21.8
30°	185.8	172.6	142.8	113.6	85.7	61.7	43.9	31.6	24.9	21.5	21.2
32.5°	204.2	188.8	156.0	122.5	91.2	64.2	44.5	31.6	24.3	21.2	20.6
35°	222.9	205.1	169.2	131.7	96.1	66.3	44.8	31.3	23.9	20.6	20.3
37.5°	239.5	221.1	181.5	140.0	100.7	67.9	45.1	31.0	23.6	20.3	20.0
40°	256.4	236.4	193.1	147.4	104.1	68.8	44.8	30.7	23.0	20.0	19.7
42.5°	271.7	250.2	203.9	154.4	107.2	69.7	44.5	30.1	22.7	19.7	19.3
45°	286.5	263.7	214.0	160.6	109.9	70.0	43.9	29.8	22.4	19.7	19.3
47.5°	300.0	275.4	223.8	166.4	112.4	70.0	43.6	29.2	22.4	19.7	19.3
50°	311.3	287.1	231.8	171.6	113.9	69.7	43.0	28.9	22.4	19.7	19.3
52.5°	322.4	296.6	239.8	175.6	114.8	69.1	42.1	28.6	22.4	20.0	19.7
55°	331.3	305.2	246.6	179.9	115.8	68.5	41.5	28.2	22.4	20.0	20.0
57.5°	339.0	312.3	251.8	182.7	115.8	67.2	40.8	28.2	22.7	20.6	20.3
60°	346.3	318.7	257.3	185.1	115.8	66.3	40.2	28.2	23.0	20.9	20.6
62.5°	351.3	323.9	261.6	187.3	115.1	65.4	39.6	28.2	23.3	21.5	21.2
65°	356.2	328.8	265.6	189.1	114.8	64.5	39.6	28.6	23.9	22.4	22.1
67.5°	359.8	332.8	268.4	190.4	114.2	63.6	39.3	29.2	24.9	23.3	23.0
70°	362.9	335.9	271.7	191.3	113.6	62.9	39.6	30.1	25.8	24.3	24.3
72.5°	365.4	338.7	273.6	192.2	113.0	62.6	40.2	31.0	27.3	25.8	25.5
75°	*366.9*	*340.2*	*275.4*	*192.5*	*112.4*	*62.3*	*40.8*	*32.2*	*28.6*	*27.3*	*27.0*
76°	367.2	340.8	276.0	192.8	112.1	62.3	41.1	32.5	29.2	27.9	27.6
77.5°	368.1	341.7	276.6	192.8	111.8	62.3	41.8	33.5	30.1	28.9	28.9
80°	368.8	342.3	277.6	193.1	111.1	62.3	42.7	35.0	31.9	30.7	30.4
82.5°	368.4	342.7	277.9	192.5	110.8	62.6	43.9	36.5	33.8	32.5	32.2
85°	367.2	341.7	277.3	191.6	109.9	63.2	45.1	38.4	35.3	34.1	34.1
87.5°	365.1	339.6	275.7	190.4	109.3	63.6	46.4	39.9	37.2	35.9	35.9
90°	362.0	337.1	273.9	189.1	108.4	63.9	47.9	41.5	39.0	38.1	37.8
92.5°	358.3	334.1	271.4	187.3	107.8	64.5	49.1	43.3	40.8	39.6	39.6
95°	354.6	330.7	268.7	185.1	107.2	65.4	50.4	44.8	42.4	41.5	41.5
97.5°	349.4	326.1	265.0	182.7	106.2	65.7	51.9	46.4	44.2	43.0	43.0
100°	343.0	320.9	260.7	180.2	105.6	66.6	53.1	47.9	45.7	44.8	44.5
102.5°	336.5	314.7	256.1	177.5	104.7	66.9	54.3	49.4	47.0	46.1	46.1
105°	329.1	308.0	250.2	173.8	103.8	67.5	55.3	50.4	48.2	47.3	47.0
107.5°	320.5	299.4	244.4	170.4	102.9	68.2	56.2	51.3	49.1	48.2	47.9

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

Scaled Data Report

REPORT NUMBER: P1045919
CATALOG NUMBER: FFX-CLB-30-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	310.7	291.4	237.3	166.7	102.2	69.1	57.1	51.9	49.7	48.5	48.5
112.5°	299.4	280.0	229.7	162.4	102.2	70.3	57.7	52.5	50.0	48.8	48.8
115°	285.9	268.0	220.5	158.4	101.9	71.5	59.0	52.8	50.0	49.1	48.8
117.5°	272.6	255.5	211.2	154.4	102.9	73.7	60.2	53.4	50.0	48.8	48.8
120°	257.9	242.3	201.7	150.4	104.1	75.8	61.7	53.7	50.0	48.5	48.5
122.5°	242.6	228.1	192.5	146.8	105.0	78.3	62.9	54.3	49.7	48.2	47.9
125°	228.1	213.7	182.1	143.1	105.9	80.4	64.5	54.7	49.4	47.6	47.3
127.5°	212.2	201.1	172.9	139.1	106.5	82.3	65.7	55.0	49.1	47.0	46.7
130°	198.3	187.6	163.7	134.8	105.9	82.9	66.0	54.7	48.5	46.4	46.4
132.5°	183.0	174.4	153.5	129.3	104.4	82.9	66.3	54.7	48.2	46.1	45.7
135°	169.5	161.5	144.0	123.1	101.6	81.7	65.7	54.3	47.9	45.7	45.4
137.5°	156.9	149.2	133.9	116.7	97.6	79.5	64.5	53.7	47.6	45.4	45.1
140°	143.4	137.9	124.7	109.6	93.3	77.1	62.9	53.1	47.6	45.4	45.1
142.5°	131.1	126.5	114.5	101.9	87.8	73.4	61.1	52.2	47.3	45.4	45.1
145°	120.1	114.8	105.6	94.3	82.3	70.0	59.3	51.6	47.0	45.4	45.1
147.5°	109.3	104.7	97.0	87.2	77.4	66.6	57.4	50.7	47.0	45.4	45.1
150°	98.6	95.5	88.7	80.8	71.8	63.2	55.6	50.0	47.0	45.7	45.4
152.5°	89.3	87.2	81.4	74.9	67.2	59.9	53.7	49.4	47.0	45.7	45.7
155°	81.7	79.5	74.6	68.8	63.2	57.1	52.5	48.8	47.0	46.1	45.7
157.5°	74.0	72.5	68.5	64.2	59.6	55.0	51.3	48.5	47.0	46.1	46.1
160°	68.2	66.6	63.6	60.2	56.5	53.1	50.0	47.9	47.0	46.4	46.4
162.5°	63.2	62.0	59.6	56.8	54.0	51.3	49.1	47.6	47.0	46.4	46.4
165°	59.3	58.3	56.2	54.0	52.2	50.0	48.5	47.6	47.0	46.7	46.7
167.5°	55.9	55.3	53.7	52.2	50.7	49.1	47.9	47.3	47.0	47.0	47.0
170°	53.4	52.8	51.9	50.7	49.4	48.5	47.6	47.3	47.3	47.0	47.3
172.5°	51.6	51.3	50.4	49.4	48.8	47.9	47.6	47.3	47.6	47.6	47.6
175°	50.4	50.0	49.4	48.8	48.5	47.9	47.9	47.6	47.9	48.2	48.2
177.5°	49.4	49.1	48.8	48.8	48.5	48.2	48.2	48.5	48.8	48.8	48.8
180°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4

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: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

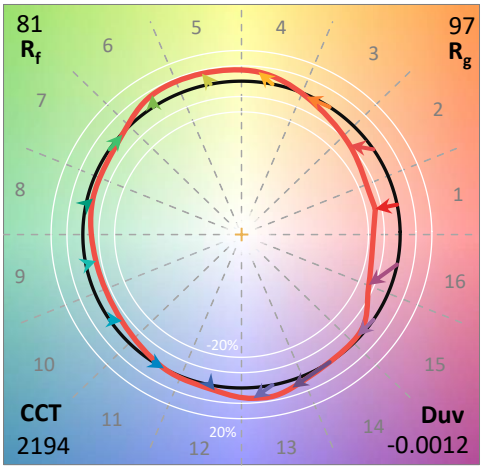
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
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-20-722-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):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

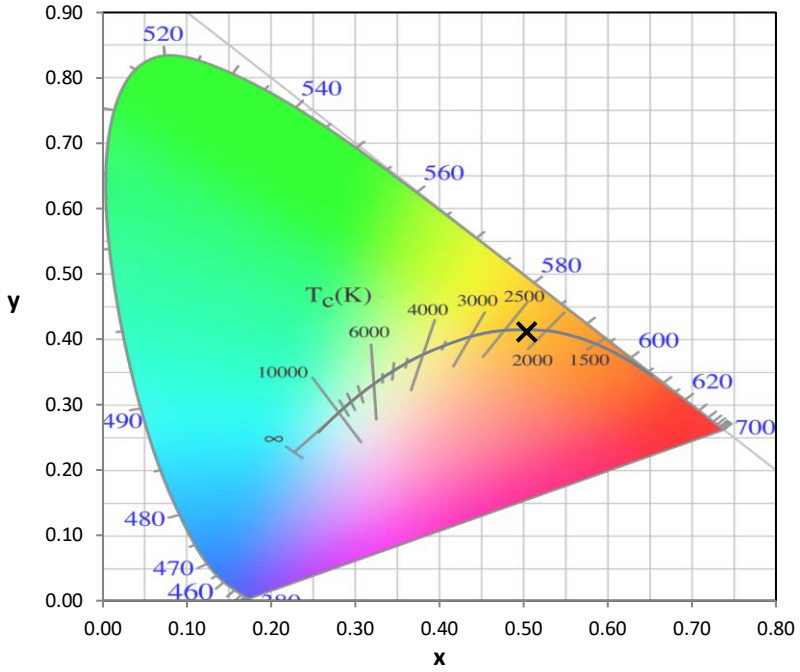
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

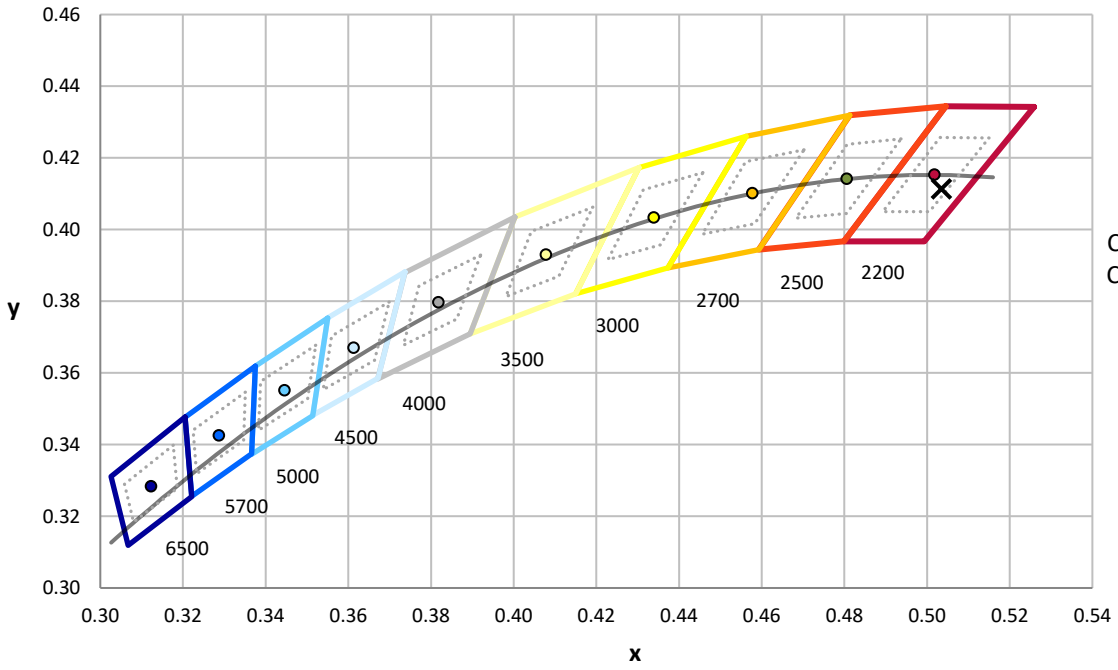
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

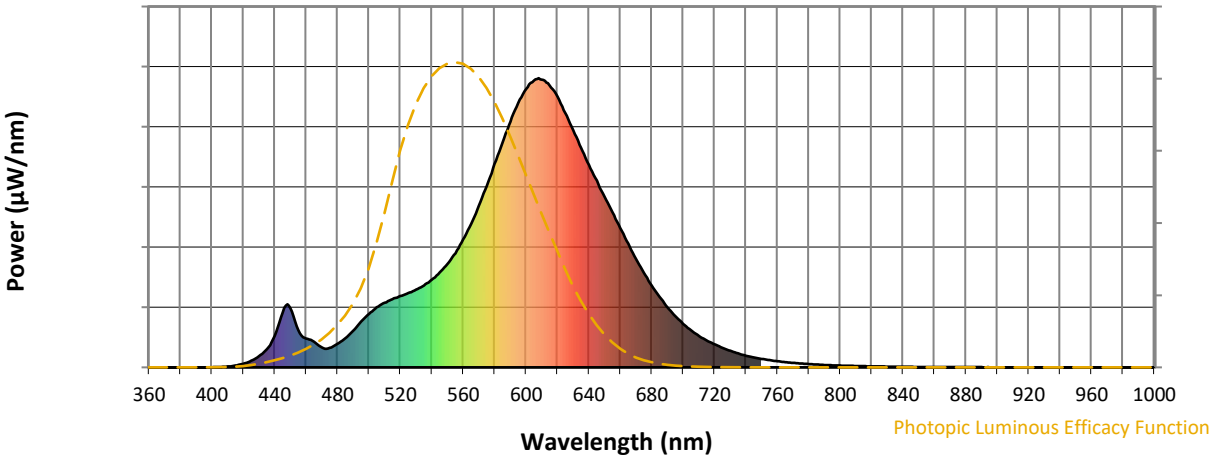


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

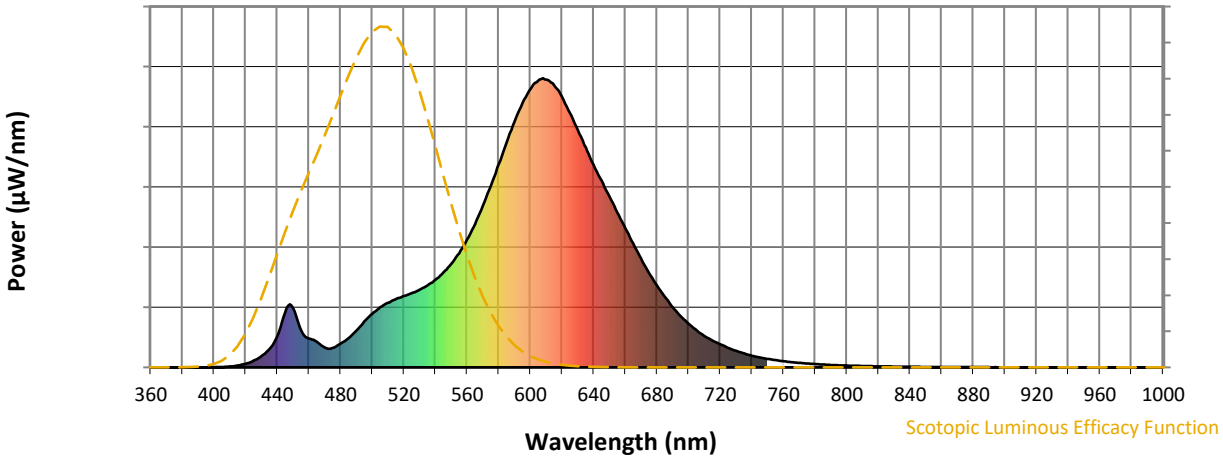


Photopic Lumens: NR

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

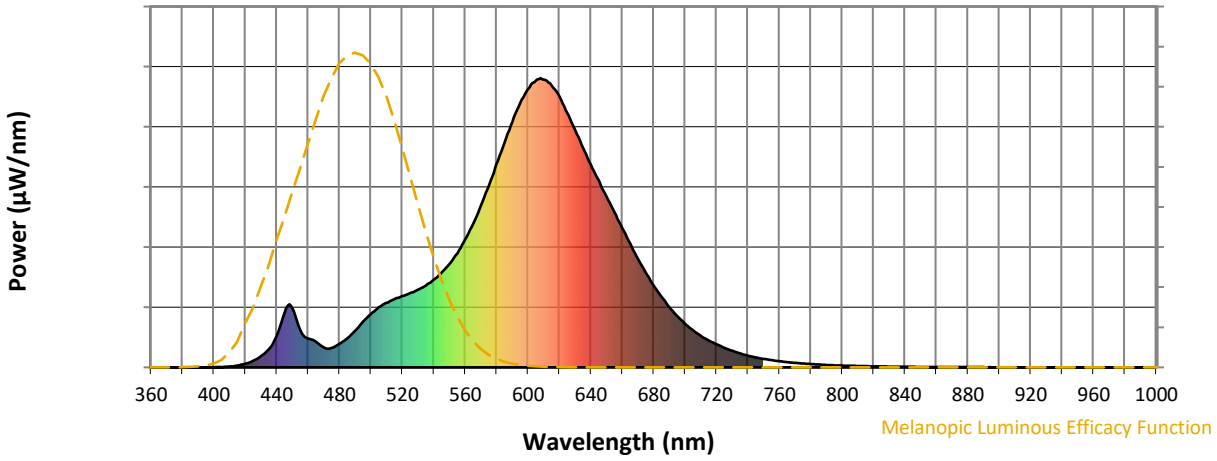


Scotopic Lumens: NR **S/P: 0.96**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

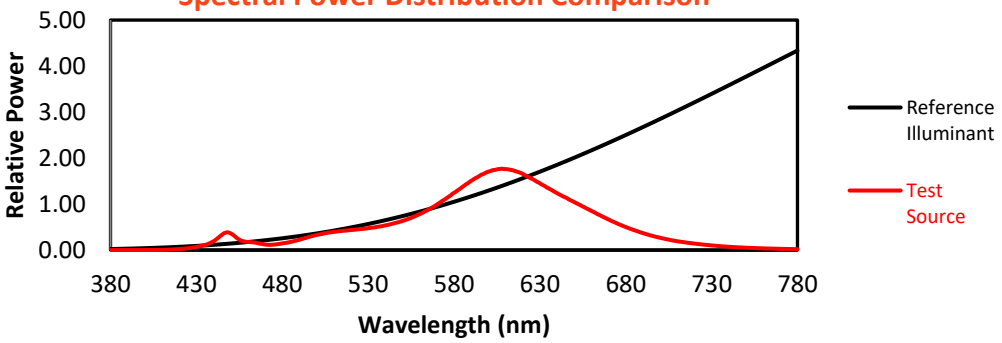
REPORT NUMBER: SP1-2501-332-7

TM-30-18

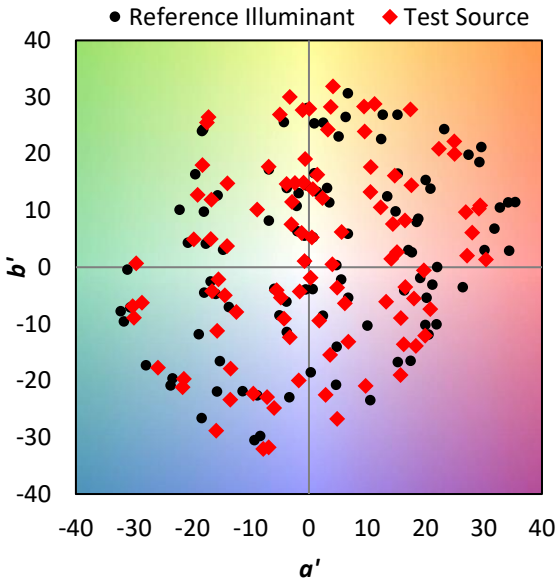
Summary

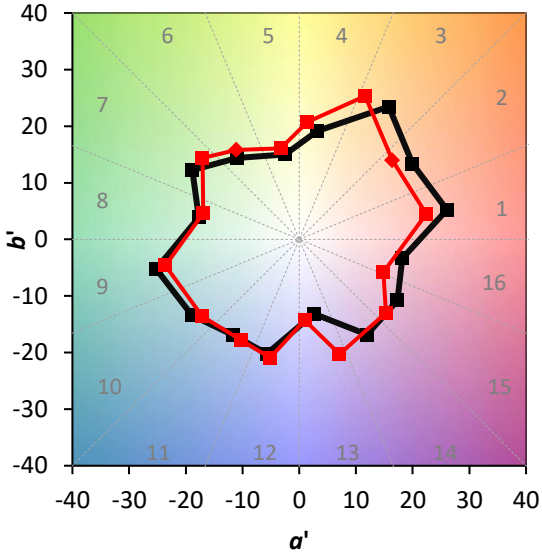
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

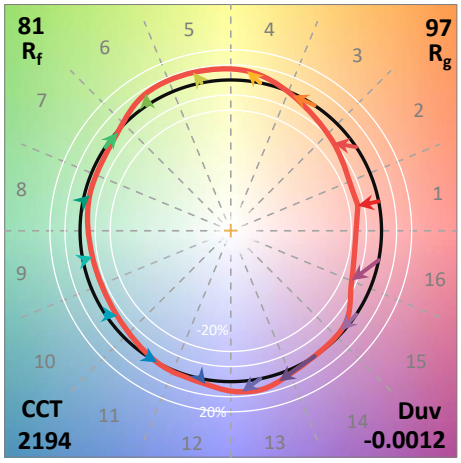
Spectral Power Distribution Comparison

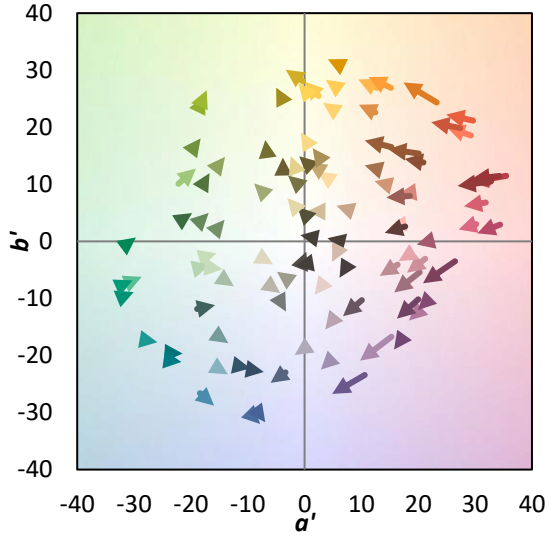


Color Vector Graphics







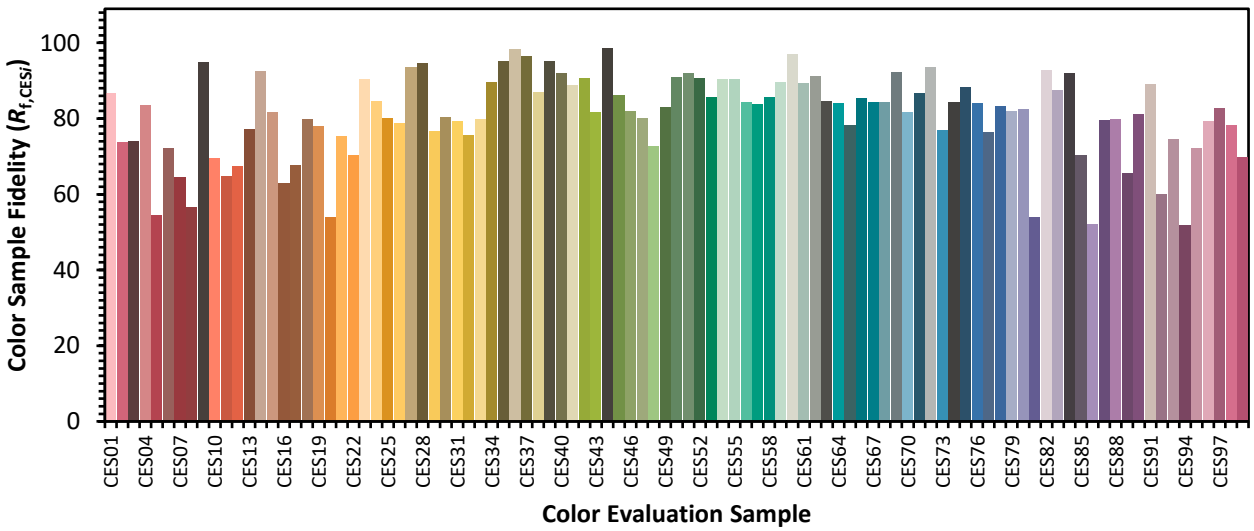


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

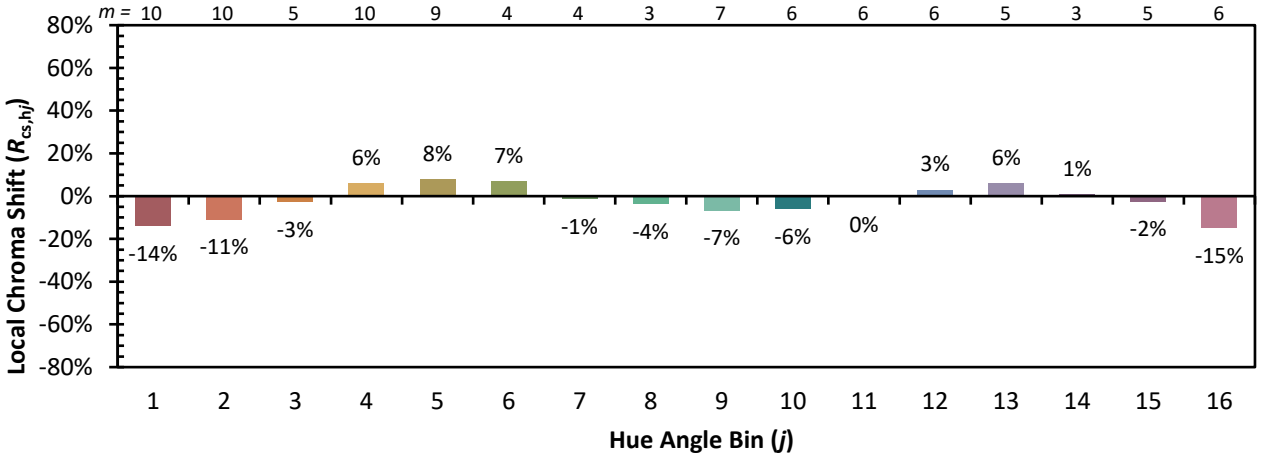
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

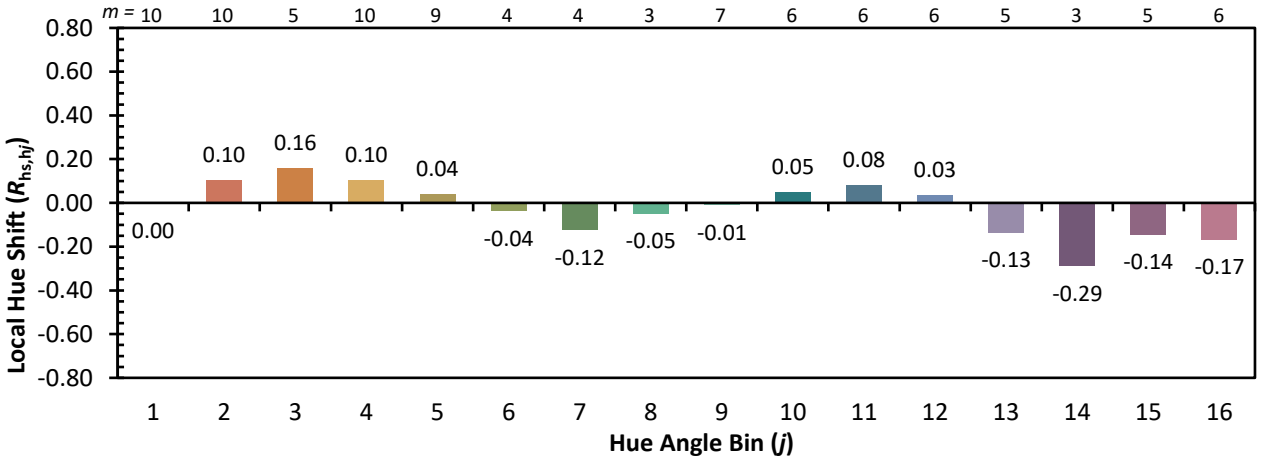


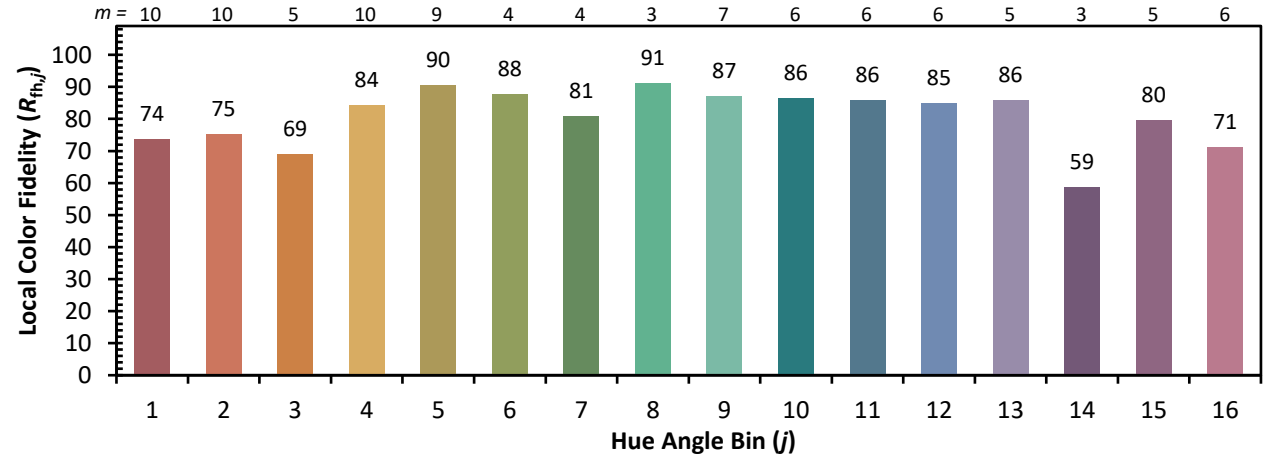
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Color Rendition by Hue-Angle Bin



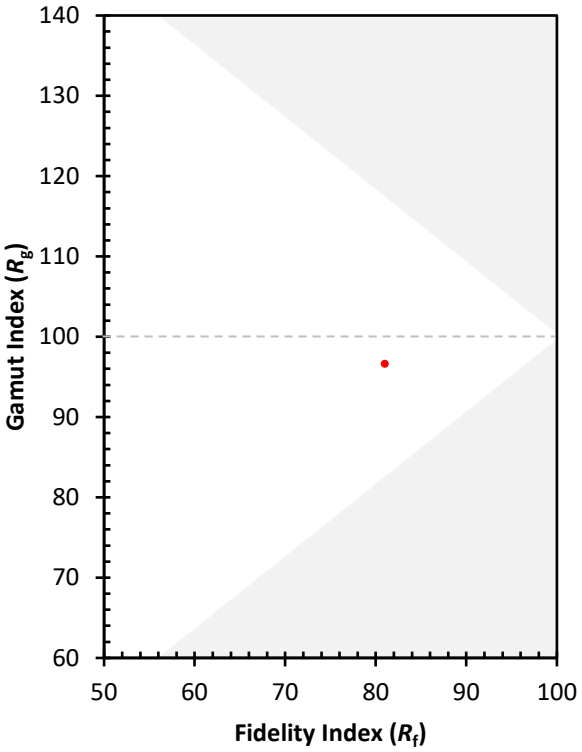


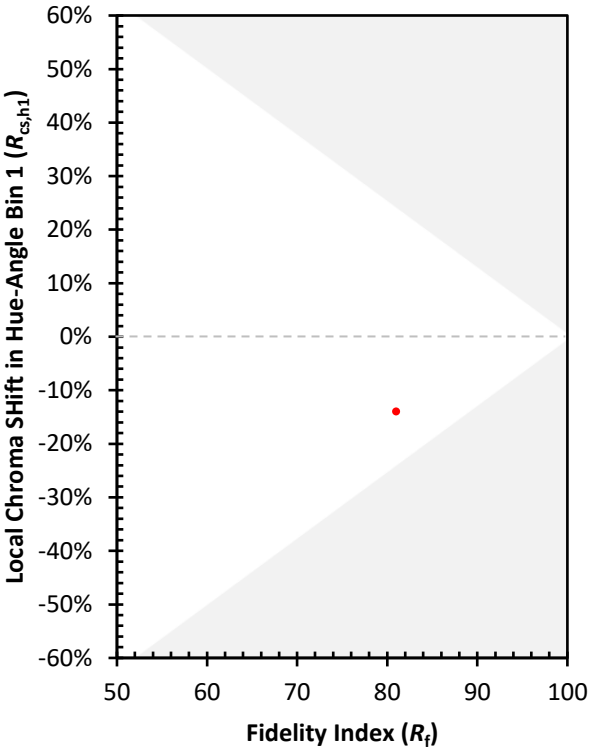


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Measure Comparisons





(END OF REPORT)