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: P1045920

Luminaire Tested: **FFX-CLB-20-722-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:	P1045920
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-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:	1939.4 lumens
Efficiency:	N/A
Efficacy:	97.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
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

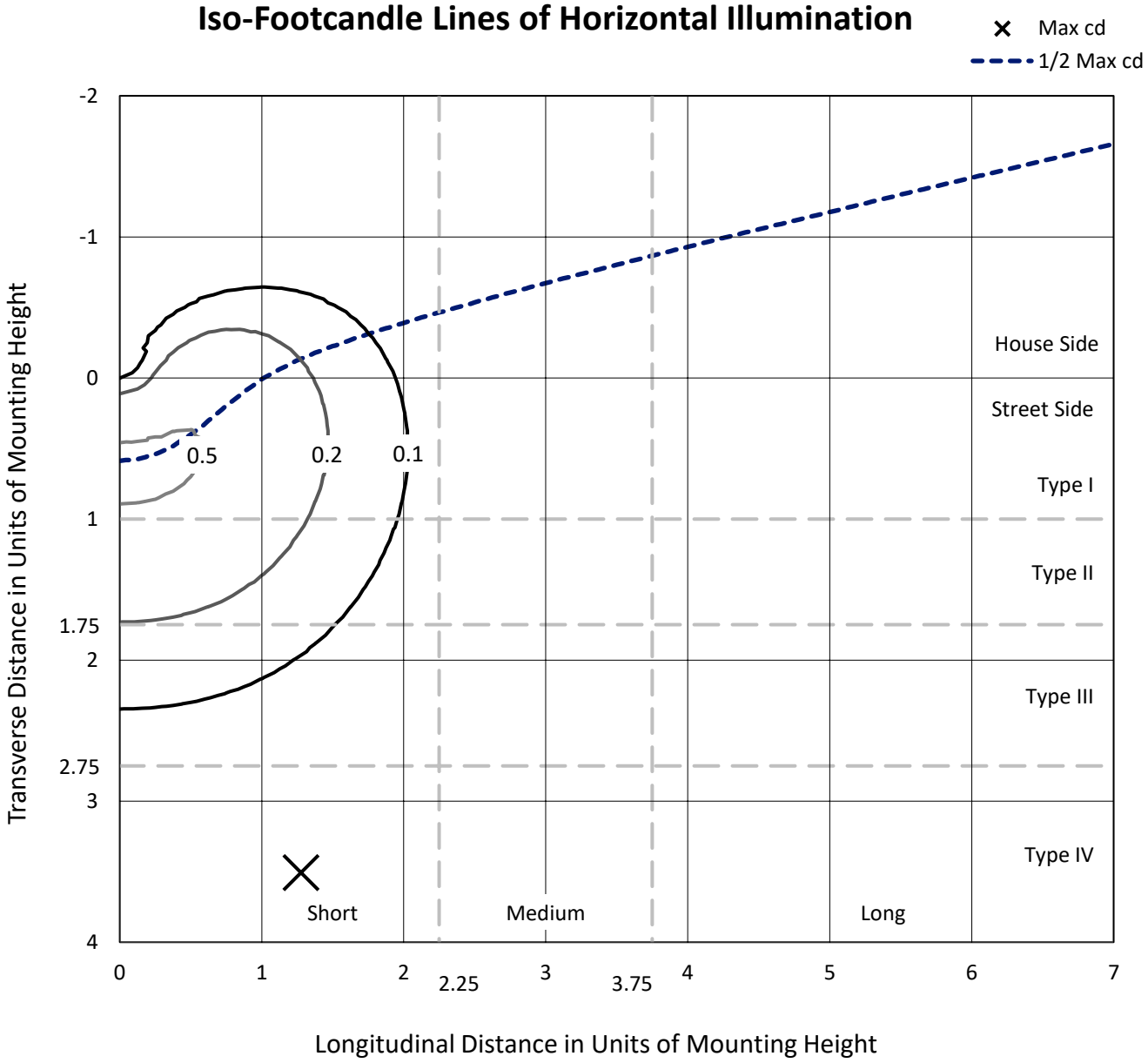


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Iso-Footcandle Lines of Horizontal Illumination



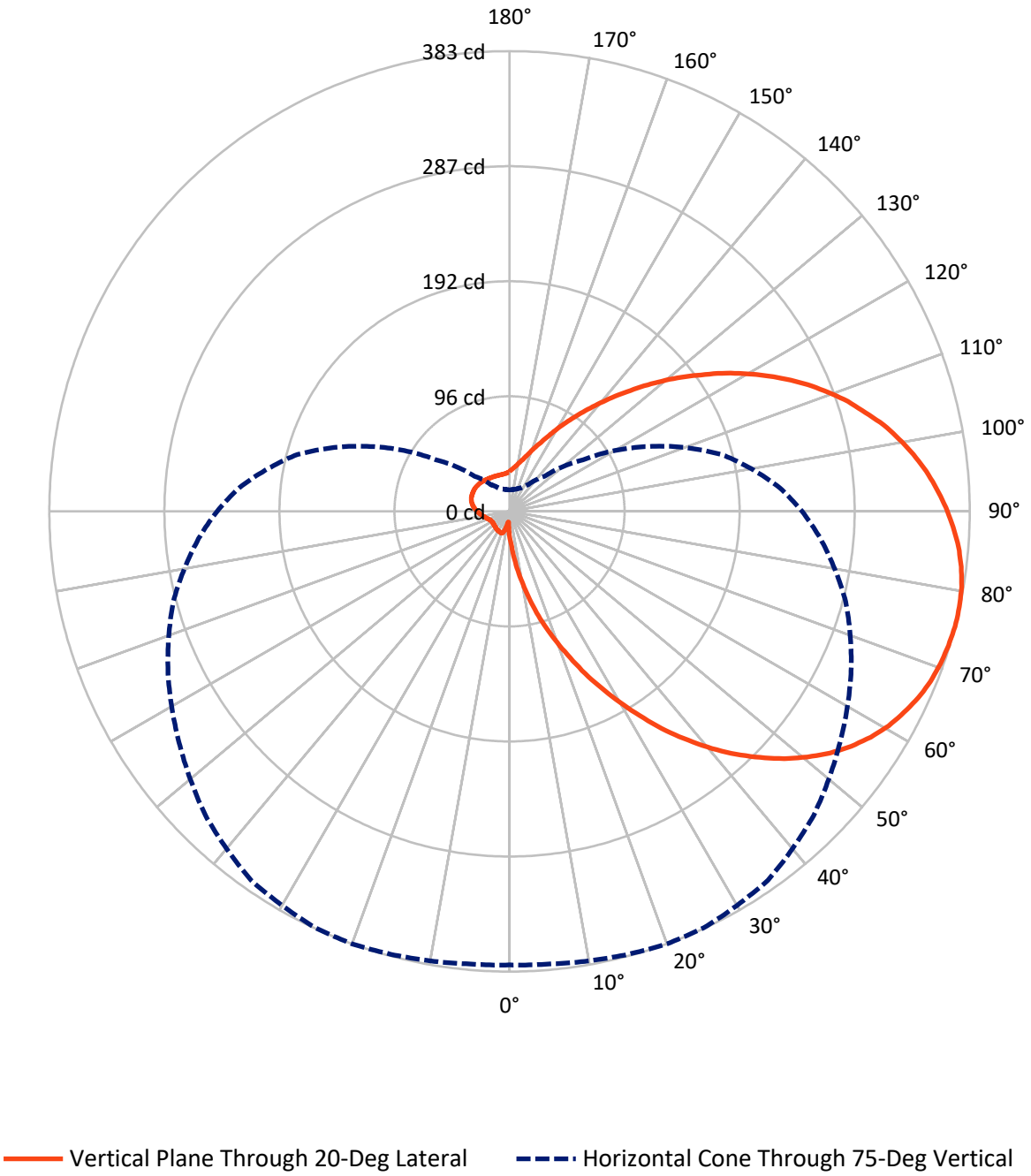
Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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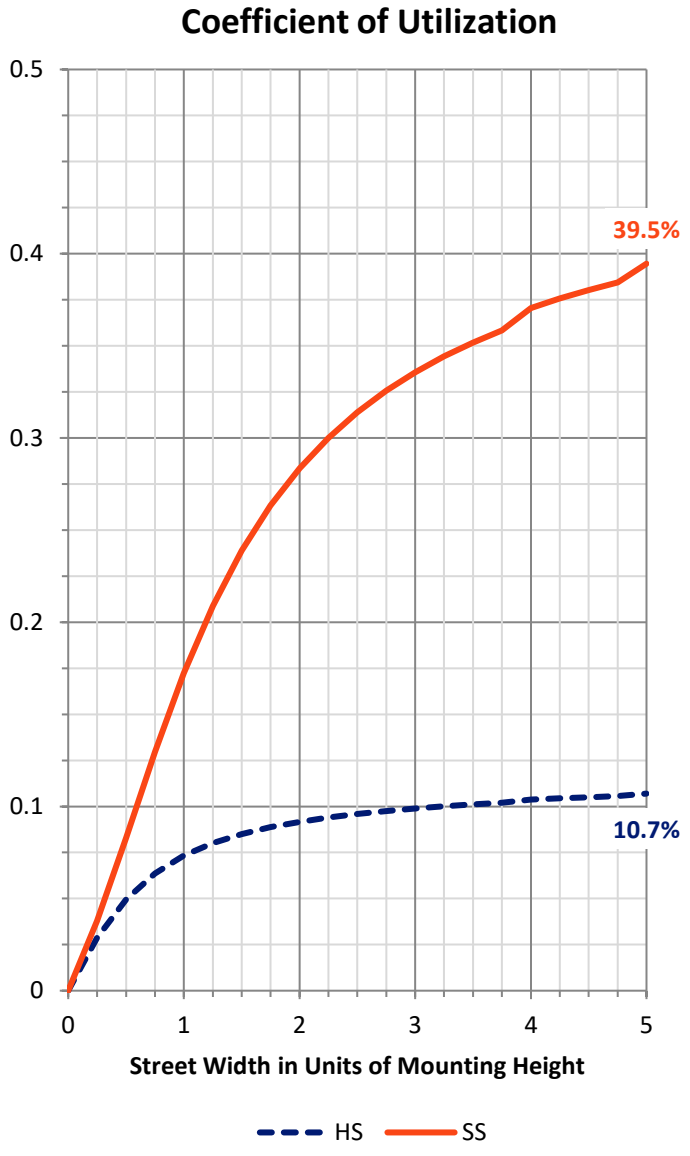
REPORT NUMBER: P1045920
CATALOG NUMBER: FFX-CLB-20-722-U-FG-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	224.2	213.3	437.5
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	880.4	621.4	1501.9
	% Fixture	45.4	32.0	77.4
Total	Lumens	1104.7	834.7	1939.4
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	16.2	0.8
20°-30°	42.9	2.2
30°-40°	82.8	4.3
40°-50°	129.6	6.7
50°-60°	173.4	8.9
60°-70°	205.4	10.6
70°-80°	223.8	11.5
80°-90°	227.8	11.7
90°-100°	216.1	11.1
100°-110°	191.1	9.9
110°-120°	155.1	8.0
120°-130°	114.2	5.9
130°-140°	75.7	3.9
140°-150°	44.6	2.3
150°-160°	23.6	1.2
160°-170°	11.1	0.6
170°-180°	3.3	0.2
0°-90°	1104.7	57.0
0°-180°	1939.4	100.0



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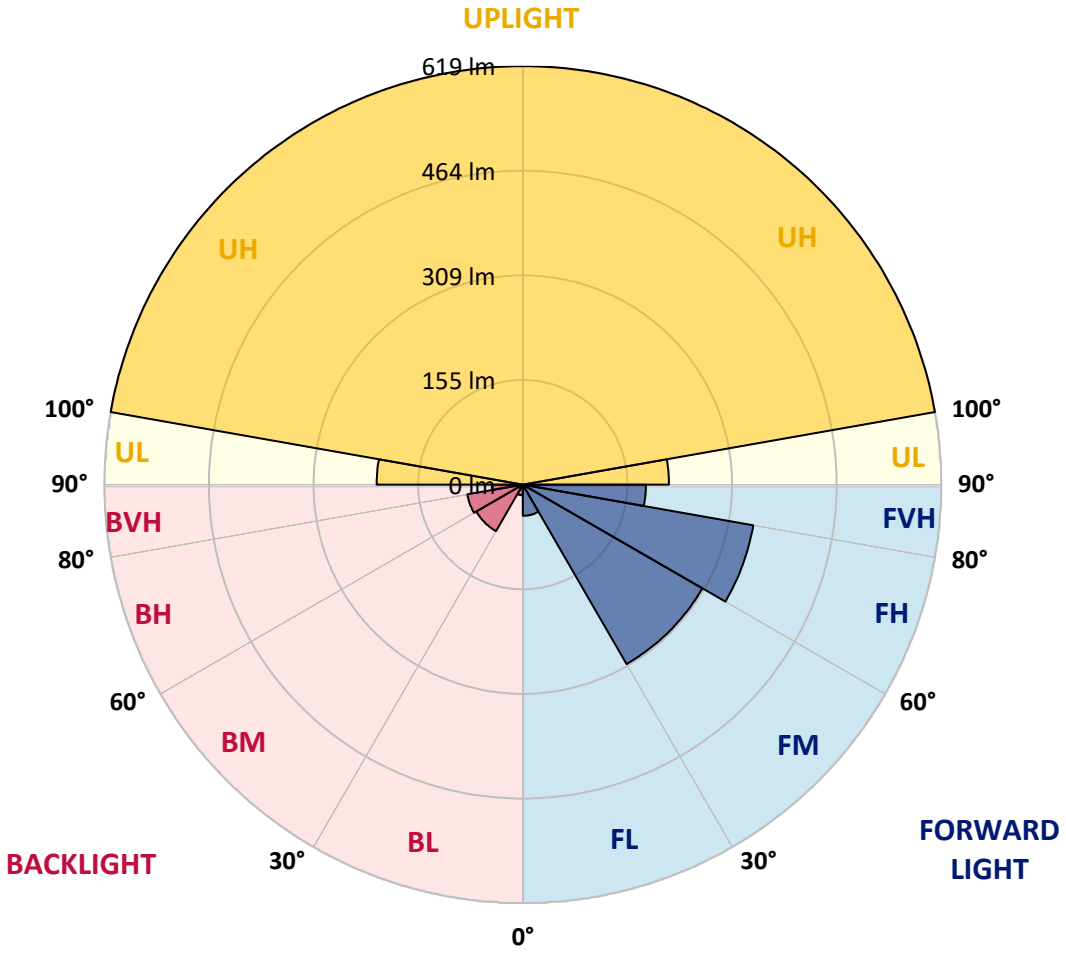
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	46.1	2.4			
FM	(30°-60°)	306.4	15.8			
FH	(60°-80°)	346.0	17.8			G0/660
FVH	(80°-90°)	181.9	9.4			G2/225
BL	(0°-30°)	15.7	0.8	B0/110		
BM	(30°-60°)	79.4	4.1	B0/220		
BH	(60°-80°)	83.3	4.3	B0/110		G0/110
BVH	(80°-90°)	45.9	2.4			G1/100
UL	(90°-100°)	216.1	11.1		U3/500	
UH	(100°-180°)	618.7	31.9		U4/1000	

BUG Rating: B0-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	22.2	22.2	22.2	*22.2*	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	27.1	27.1	27.3	*27.3*	27.5	27.1	26.5	26.1	25.5	24.0	22.8
5°	37.7	37.9	37.5	*37.7*	37.9	36.9	35.5	33.6	31.0	28.5	25.9
7.5°	50.5	51.1	50.1	*49.9*	49.3	47.7	45.6	42.8	39.9	36.7	32.8
10°	64.6	64.4	63.2	*61.7*	61.3	59.3	56.7	54.0	49.7	45.6	41.6
12.5°	77.8	77.6	76.6	*75.6*	75.0	72.3	69.1	66.0	61.5	56.2	51.1
15°	91.7	91.9	90.9	*90.3*	89.1	86.4	83.8	79.3	74.8	68.7	62.6
17.5°	105.6	106.0	104.9	*104.5*	103.5	101.3	97.8	93.1	87.4	80.3	72.5
20°	120.8	121.2	120.6	*119.2*	118.0	115.5	112.5	106.6	100.3	92.9	82.9
22.5°	137.1	137.3	135.5	*135.1*	133.9	131.6	127.2	121.9	114.7	105.4	95.0
25°	153.2	153.2	152.8	*152.4*	150.6	147.9	143.5	136.9	129.0	119.0	106.8
27.5°	170.6	170.8	169.7	*169.3*	167.9	164.5	159.8	152.6	144.5	132.5	118.6
30°	188.9	188.7	187.7	*186.9*	186.3	182.8	177.5	170.2	160.0	146.1	132.0
32.5°	207.2	206.6	206.0	*205.2*	205.0	200.5	196.2	187.3	176.7	162.0	145.1
35°	226.0	224.6	224.2	*224.4*	223.3	219.7	213.4	204.6	192.4	177.1	157.9
37.5°	242.3	243.5	242.5	*241.7*	241.9	237.8	231.1	221.3	208.5	191.6	171.0
40°	260.4	259.6	259.6	*259.6*	259.0	255.3	248.2	237.4	222.7	204.8	182.4
42.5°	276.1	276.1	277.1	*276.5*	275.9	271.6	263.9	251.9	236.4	217.0	193.4
45°	292.2	291.8	293.0	*292.2*	291.8	287.3	279.2	266.7	250.4	229.3	204.4
47.5°	307.1	307.3	307.7	*307.7*	307.3	302.2	293.6	279.0	262.5	239.8	213.8
50°	319.9	321.0	322.2	*321.4*	321.8	316.3	306.7	291.8	272.7	249.8	222.1
52.5°	332.6	332.6	334.2	*334.2*	333.8	328.5	317.7	302.0	283.1	258.8	229.9
55°	343.4	343.6	345.0	*345.2*	345.0	338.9	327.5	310.6	290.8	266.3	236.2
57.5°	351.5	352.1	354.0	*354.6*	353.8	348.3	335.4	318.3	297.3	272.3	241.7
60°	358.9	359.7	361.7	*362.5*	361.9	356.0	342.6	324.2	302.6	277.3	246.4
62.5°	365.4	365.6	368.2	*368.6*	368.4	362.1	347.9	328.7	306.9	281.2	250.4
65°	370.1	370.7	373.5	*374.1*	373.7	367.0	352.1	332.4	310.4	284.5	253.5
67.5°	373.7	374.1	377.0	*378.0*	377.6	370.5	355.2	334.6	312.4	286.7	255.9
70°	375.8	376.4	379.6	*380.5*	380.0	372.9	357.0	335.6	313.6	288.3	257.6
72.5°	377.0	377.6	381.1	*382.1*	381.9	374.3	357.8	336.0	314.0	289.2	258.8
75°	*377.6*	*378.2*	*381.7*	*383.1*	*382.5*	*375.0*	*358.0*	*335.8*	*313.8*	*289.8*	*259.8*
76°	377.6	378.0	381.7	*383.1*	382.5	375.0	358.0	335.4	313.6	290.0	260.2
77.5°	377.2	377.8	381.5	*382.7*	382.3	374.8	357.4	334.6	313.0	289.6	260.4
80°	376.2	376.8	380.3	*381.7*	381.1	373.3	356.0	333.0	311.4	288.8	260.4
82.5°	373.9	374.5	377.8	*378.8*	378.6	370.9	353.4	330.1	308.9	287.3	260.0
85°	370.5	371.1	373.7	*375.0*	374.3	367.0	349.5	326.3	305.9	285.1	258.8
87.5°	365.8	366.2	369.0	*369.5*	369.2	361.9	344.6	321.4	301.8	282.0	256.8
90°	360.1	360.5	362.7	*363.3*	362.7	355.8	338.3	316.1	296.7	278.4	254.3
92.5°	354.2	354.0	355.6	*356.2*	355.6	348.7	331.8	309.7	291.4	274.3	251.3
95°	347.2	347.6	348.1	*348.5*	347.6	340.9	324.4	302.8	285.7	269.8	248.4
97.5°	339.5	339.3	339.7	*339.7*	338.9	332.2	316.1	296.1	279.2	264.9	244.5
100°	331.3	331.1	330.7	*329.9*	329.1	322.6	307.7	287.7	272.5	259.0	240.7
102.5°	322.4	321.2	319.9	*319.7*	317.9	312.4	298.1	279.8	265.3	253.5	235.8
105°	311.4	311.0	309.1	*307.5*	306.5	300.4	287.3	271.0	257.8	246.8	230.5
107.5°	300.2	299.4	296.7	*296.1*	294.1	288.6	276.7	262.3	250.2	240.1	224.2

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REPORT NUMBER: P1045920
CATALOG NUMBER: FFX-CLB-20-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	288.1	287.7	284.9	*283.1*	281.4	275.3	265.1	252.9	241.9	232.5	217.0
112.5°	274.7	274.3	271.2	*269.8*	267.4	262.7	253.1	242.1	232.7	224.2	209.3
115°	261.0	260.8	257.4	*255.5*	253.3	247.6	239.8	231.3	222.9	214.4	199.9
117.5°	247.4	246.4	242.9	*240.7*	238.4	233.3	227.0	220.3	212.5	204.6	190.3
120°	231.9	231.7	227.8	*226.0*	224.0	219.3	213.8	207.4	201.3	193.4	180.8
122.5°	217.0	216.8	213.4	*211.1*	208.5	204.8	200.3	195.4	189.9	182.2	169.7
125°	201.9	201.5	197.9	*195.6*	193.4	190.3	186.1	182.6	178.1	170.8	158.9
127.5°	186.7	185.8	183.6	*181.4*	178.9	175.0	173.6	170.6	165.7	158.5	148.1
130°	172.4	172.0	168.9	*166.9*	164.5	161.4	160.2	157.7	154.3	147.7	138.0
132.5°	157.5	157.1	155.3	*153.2*	151.2	148.1	147.5	145.3	141.8	136.5	127.4
135°	144.3	143.9	141.8	*139.6*	138.6	136.3	135.5	133.7	130.4	125.1	117.2
137.5°	131.4	131.2	129.2	*127.4*	126.1	124.5	123.7	122.1	119.6	114.9	107.6
140°	119.8	118.8	117.2	*115.5*	114.3	112.7	112.3	110.9	109.0	104.5	99.2
142.5°	108.2	107.6	106.4	*104.9*	104.1	102.3	101.3	100.7	98.2	94.8	90.5
145°	96.8	96.8	95.8	*94.8*	93.5	92.3	91.5	90.9	88.8	85.8	81.7
147.5°	87.2	87.2	86.4	*86.0*	85.0	83.3	82.7	82.1	80.3	77.8	74.6
150°	79.1	78.7	78.0	*77.4*	76.6	75.2	74.2	73.6	72.1	70.3	67.2
152.5°	70.9	70.9	70.5	*69.7*	69.1	68.1	67.2	66.4	65.4	63.4	60.9
155°	64.0	64.0	63.4	*63.0*	62.6	61.7	60.9	60.1	58.9	57.3	55.4
157.5°	58.3	58.3	57.9	*57.7*	56.9	56.4	55.6	54.8	53.6	52.2	50.5
160°	53.0	53.2	53.0	*52.8*	52.2	51.6	50.7	49.9	48.9	47.7	46.5
162.5°	48.7	48.9	48.5	*48.3*	47.9	47.3	46.5	46.1	45.2	43.8	42.6
165°	45.0	45.0	44.8	*44.6*	44.4	43.6	43.2	42.8	42.0	41.0	39.9
167.5°	42.2	42.2	42.0	*42.0*	41.6	41.2	40.6	40.1	39.3	38.7	37.5
170°	39.7	39.7	39.5	*39.3*	39.1	38.7	38.3	37.7	37.3	36.5	35.9
172.5°	37.7	37.7	37.5	*37.3*	37.3	36.7	36.5	36.1	35.7	35.1	34.4
175°	36.1	35.9	35.9	*35.7*	35.5	35.1	34.8	34.6	34.2	34.0	33.6
177.5°	34.6	34.6	34.4	*34.4*	34.2	33.8	33.8	33.6	33.4	33.2	33.0
180°	32.8	32.8	32.8	*32.8*	32.8	32.8	32.8	32.8	32.8	32.8	32.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	22.2	21.6	20.0	18.5	17.5	16.1	14.9	14.5	14.3	14.1	14.1
5°	24.5	23.2	20.4	17.7	15.3	13.2	11.4	9.6	8.2	7.3	6.9
7.5°	30.8	29.3	25.5	22.0	18.5	15.5	12.4	10.2	8.2	6.9	6.9
10°	39.1	37.1	32.2	27.3	23.0	18.5	14.9	11.8	10.0	9.0	9.0
12.5°	47.9	45.2	39.5	33.2	27.3	22.2	17.7	14.5	12.4	11.6	11.6
15°	58.3	54.8	47.5	39.5	32.4	26.3	21.2	17.5	15.1	14.1	13.9
17.5°	68.3	63.8	55.0	46.1	37.5	30.2	24.2	19.6	16.9	15.5	15.3
20°	78.9	73.4	63.0	52.0	42.2	33.2	26.1	21.0	17.5	15.9	15.7
22.5°	88.6	82.7	70.3	57.5	45.9	35.5	27.1	21.2	17.3	15.5	15.3
25°	99.9	93.1	78.5	63.4	49.7	37.3	27.9	21.2	17.1	15.1	14.9
27.5°	111.3	103.3	86.8	69.3	53.2	39.3	28.5	21.2	16.7	14.7	14.5
30°	123.3	114.5	94.8	75.4	56.9	41.0	29.1	21.0	16.5	14.3	14.1
32.5°	135.5	125.3	103.5	81.3	60.5	42.6	29.5	21.0	16.1	14.1	13.7
35°	147.9	136.1	112.3	87.4	63.8	44.0	29.8	20.8	15.9	13.7	13.4
37.5°	158.9	146.7	120.4	92.9	66.8	45.0	30.0	20.6	15.7	13.4	13.2
40°	170.2	156.9	128.2	97.8	69.1	45.6	29.8	20.4	15.3	13.2	13.0
42.5°	180.3	166.1	135.3	102.5	71.1	46.3	29.5	20.0	15.1	13.0	12.8
45°	190.1	175.0	142.0	106.6	73.0	46.5	29.1	19.8	14.9	13.0	12.8
47.5°	199.1	182.8	148.6	110.4	74.6	46.5	28.9	19.4	14.9	13.0	12.8
50°	206.6	190.5	153.9	113.9	75.6	46.3	28.5	19.2	14.9	13.0	12.8
52.5°	214.0	196.9	159.2	116.6	76.2	45.9	27.9	19.0	14.9	13.2	13.0
55°	219.9	202.6	163.6	119.4	76.8	45.4	27.5	18.7	14.9	13.2	13.2
57.5°	225.0	207.2	167.1	121.2	76.8	44.6	27.1	18.7	15.1	13.7	13.4
60°	229.9	211.5	170.8	122.9	76.8	44.0	26.7	18.7	15.3	13.9	13.7
62.5°	233.1	215.0	173.6	124.3	76.4	43.4	26.3	18.7	15.5	14.3	14.1
65°	236.4	218.2	176.3	125.5	76.2	42.8	26.3	19.0	15.9	14.9	14.7
67.5°	238.8	220.9	178.1	126.3	75.8	42.2	26.1	19.4	16.5	15.5	15.3
70°	240.9	222.9	180.3	127.0	75.4	41.8	26.3	20.0	17.1	16.1	16.1
72.5°	242.5	224.8	181.6	127.6	75.0	41.6	26.7	20.6	18.1	17.1	16.9
75°	*243.5*	*225.8*	*182.8*	*127.8*	*74.6*	*41.4*	*27.1*	*21.4*	*19.0*	*18.1*	*17.9*
76°	243.7	226.2	183.2	128.0	74.4	41.4	27.3	21.6	19.4	18.5	18.3
77.5°	244.3	226.8	183.6	128.0	74.2	41.4	27.7	22.2	20.0	19.2	19.2
80°	244.7	227.2	184.2	128.2	73.8	41.4	28.3	23.2	21.2	20.4	20.2
82.5°	244.5	227.4	184.4	127.8	73.6	41.6	29.1	24.2	22.4	21.6	21.4
85°	243.7	226.8	184.0	127.2	73.0	42.0	30.0	25.5	23.4	22.6	22.6
87.5°	242.3	225.4	183.0	126.3	72.5	42.2	30.8	26.5	24.7	23.8	23.8
90°	240.3	223.8	181.8	125.5	71.9	42.4	31.8	27.5	25.9	25.3	25.1
92.5°	237.8	221.7	180.1	124.3	71.5	42.8	32.6	28.7	27.1	26.3	26.3
95°	235.4	219.5	178.3	122.9	71.1	43.4	33.4	29.8	28.1	27.5	27.5
97.5°	231.9	216.4	175.9	121.2	70.5	43.6	34.4	30.8	29.3	28.5	28.5
100°	227.6	213.0	173.0	119.6	70.1	44.2	35.3	31.8	30.4	29.8	29.5
102.5°	223.3	208.9	170.0	117.8	69.5	44.4	36.1	32.8	31.2	30.6	30.6
105°	218.5	204.4	166.1	115.3	68.9	44.8	36.7	33.4	32.0	31.4	31.2
107.5°	212.7	198.7	162.2	113.1	68.3	45.2	37.3	34.0	32.6	32.0	31.8

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

Scaled Data Report

REPORT NUMBER: P1045920
CATALOG NUMBER: FFX-CLB-20-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	206.2	193.4	157.5	110.7	67.9	45.9	37.9	34.4	33.0	32.2	32.2
112.5°	198.7	185.8	152.4	107.8	67.9	46.7	38.3	34.8	33.2	32.4	32.4
115°	189.7	177.9	146.3	105.2	67.7	47.5	39.1	35.1	33.2	32.6	32.4
117.5°	181.0	169.5	140.2	102.5	68.3	48.9	39.9	35.5	33.2	32.4	32.4
120°	171.2	160.8	133.9	99.9	69.1	50.3	41.0	35.7	33.2	32.2	32.2
122.5°	161.0	151.4	127.8	97.4	69.7	52.0	41.8	36.1	33.0	32.0	31.8
125°	151.4	141.8	120.8	95.0	70.3	53.4	42.8	36.3	32.8	31.6	31.4
127.5°	140.8	133.5	114.7	92.3	70.7	54.6	43.6	36.5	32.6	31.2	31.0
130°	131.6	124.5	108.6	89.5	70.3	55.0	43.8	36.3	32.2	30.8	30.8
132.5°	121.5	115.7	101.9	85.8	69.3	55.0	44.0	36.3	32.0	30.6	30.4
135°	112.5	107.2	95.6	81.7	67.5	54.2	43.6	36.1	31.8	30.4	30.2
137.5°	104.1	99.0	88.8	77.4	64.8	52.8	42.8	35.7	31.6	30.2	30.0
140°	95.2	91.5	82.7	72.7	61.9	51.1	41.8	35.3	31.6	30.2	30.0
142.5°	87.0	84.0	76.0	67.7	58.3	48.7	40.6	34.6	31.4	30.2	30.0
145°	79.7	76.2	70.1	62.6	54.6	46.5	39.3	34.2	31.2	30.2	30.0
147.5°	72.5	69.5	64.4	57.9	51.4	44.2	38.1	33.6	31.2	30.2	30.0
150°	65.4	63.4	58.9	53.6	47.7	42.0	36.9	33.2	31.2	30.4	30.2
152.5°	59.3	57.9	54.0	49.7	44.6	39.7	35.7	32.8	31.2	30.4	30.4
155°	54.2	52.8	49.5	45.6	42.0	37.9	34.8	32.4	31.2	30.6	30.4
157.5°	49.1	48.1	45.4	42.6	39.5	36.5	34.0	32.2	31.2	30.6	30.6
160°	45.2	44.2	42.2	39.9	37.5	35.3	33.2	31.8	31.2	30.8	30.8
162.5°	42.0	41.2	39.5	37.7	35.9	34.0	32.6	31.6	31.2	30.8	30.8
165°	39.3	38.7	37.3	35.9	34.6	33.2	32.2	31.6	31.2	31.0	31.0
167.5°	37.1	36.7	35.7	34.6	33.6	32.6	31.8	31.4	31.2	31.2	31.2
170°	35.5	35.1	34.4	33.6	32.8	32.2	31.6	31.4	31.4	31.2	31.4
172.5°	34.2	34.0	33.4	32.8	32.4	31.8	31.6	31.4	31.6	31.6	31.6
175°	33.4	33.2	32.8	32.4	32.2	31.8	31.8	31.6	31.8	32.0	32.0
177.5°	32.8	32.6	32.4	32.4	32.2	32.0	32.0	32.2	32.4	32.4	32.4
180°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8

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

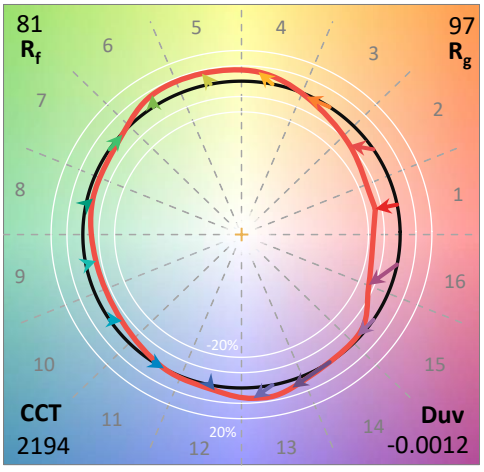
Test Information

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

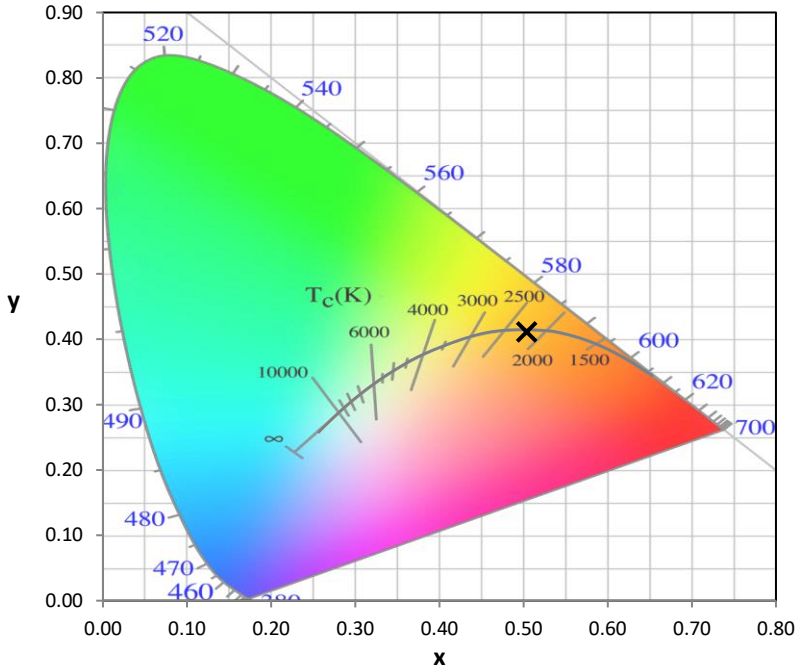
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

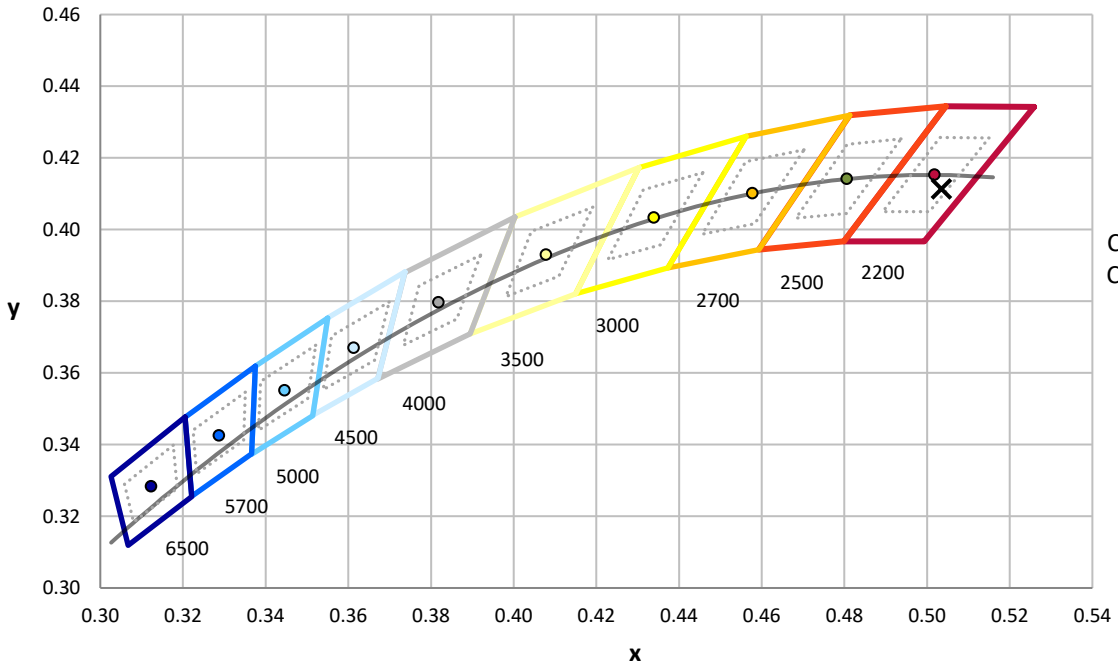
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

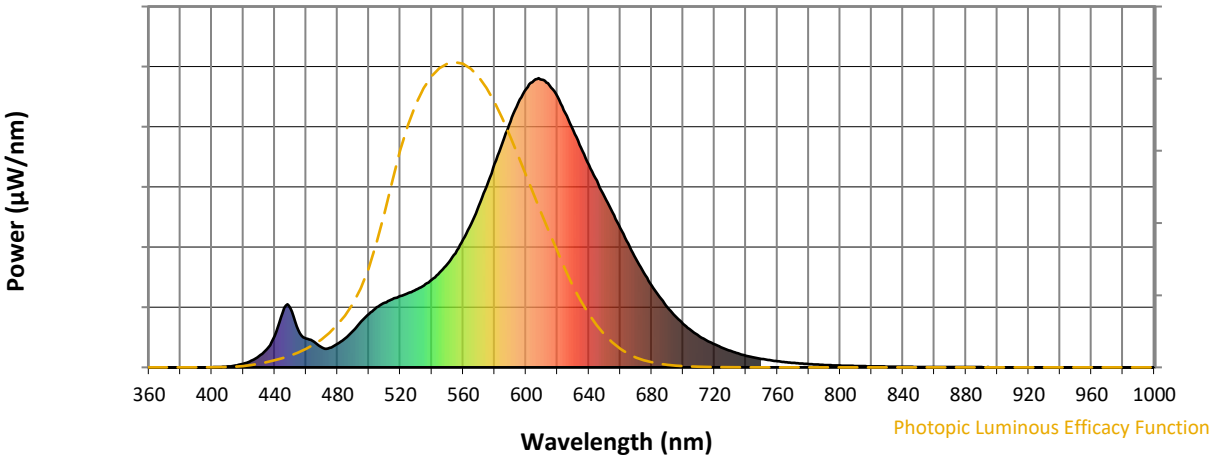


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

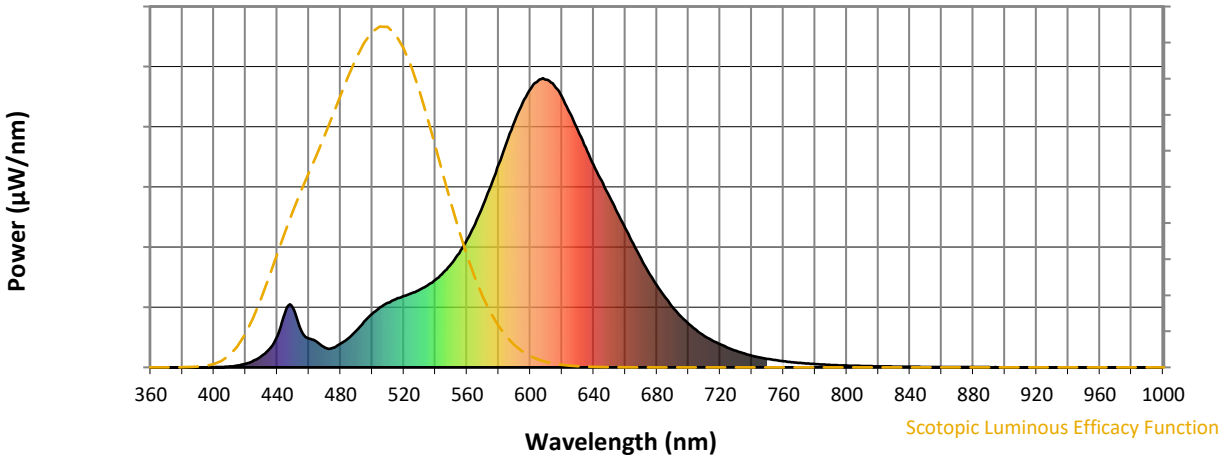


Photopic Lumens: NR

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

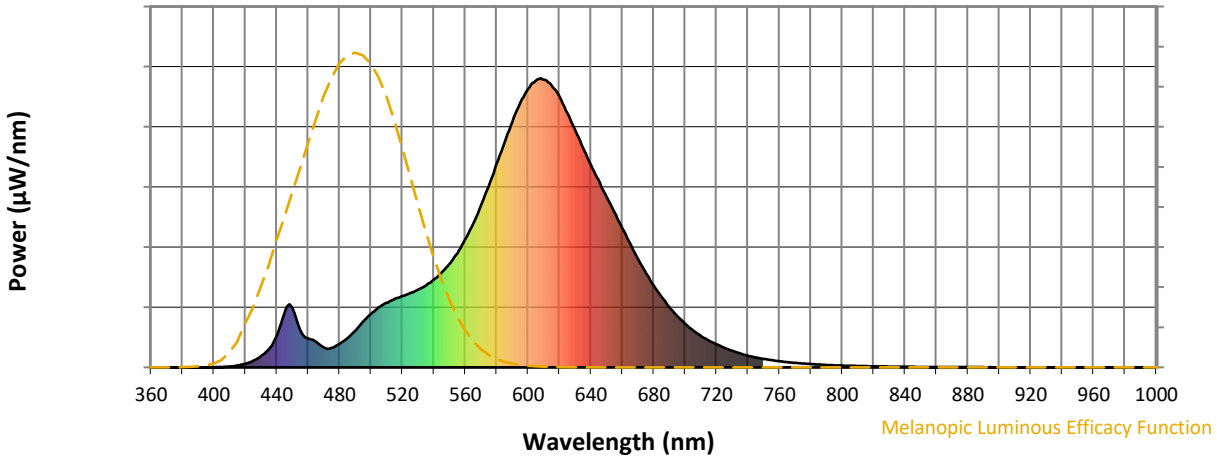


Scotopic Lumens: NR **S/P: 0.96**

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			

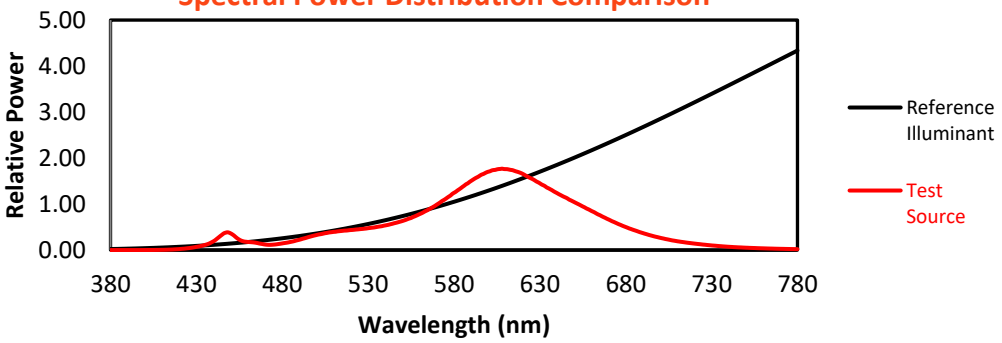
REPORT NUMBER: SP1-2501-332-7

TM-30-18

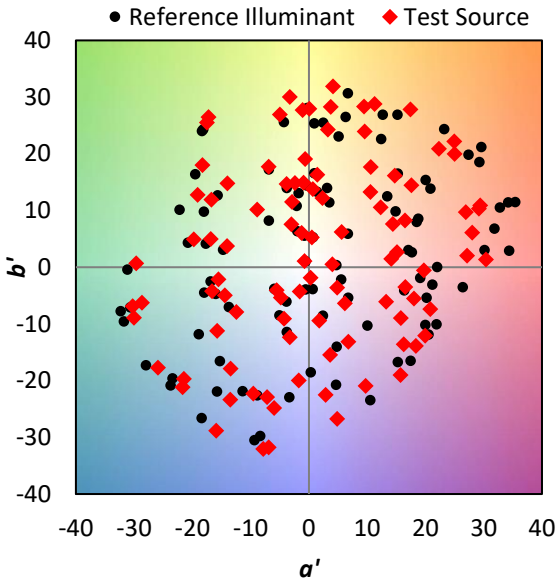
Summary

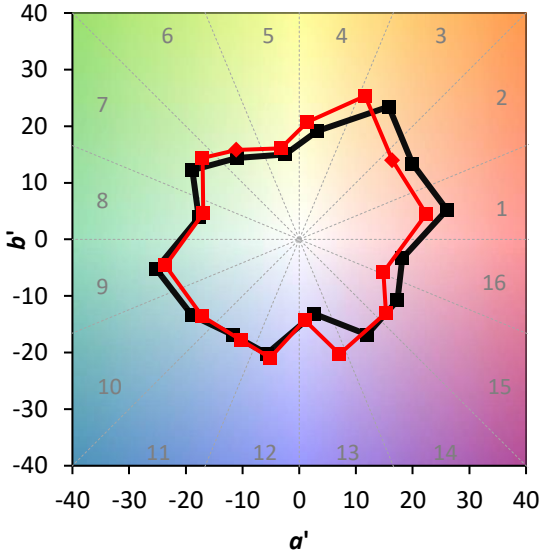
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

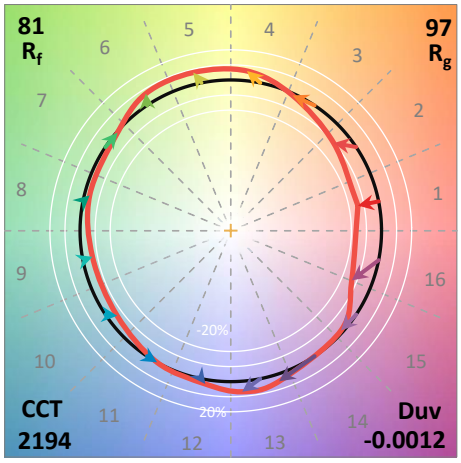
Spectral Power Distribution Comparison

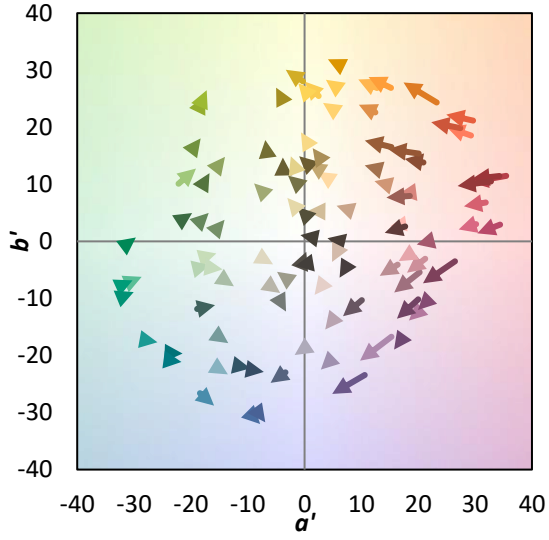


Color Vector Graphics







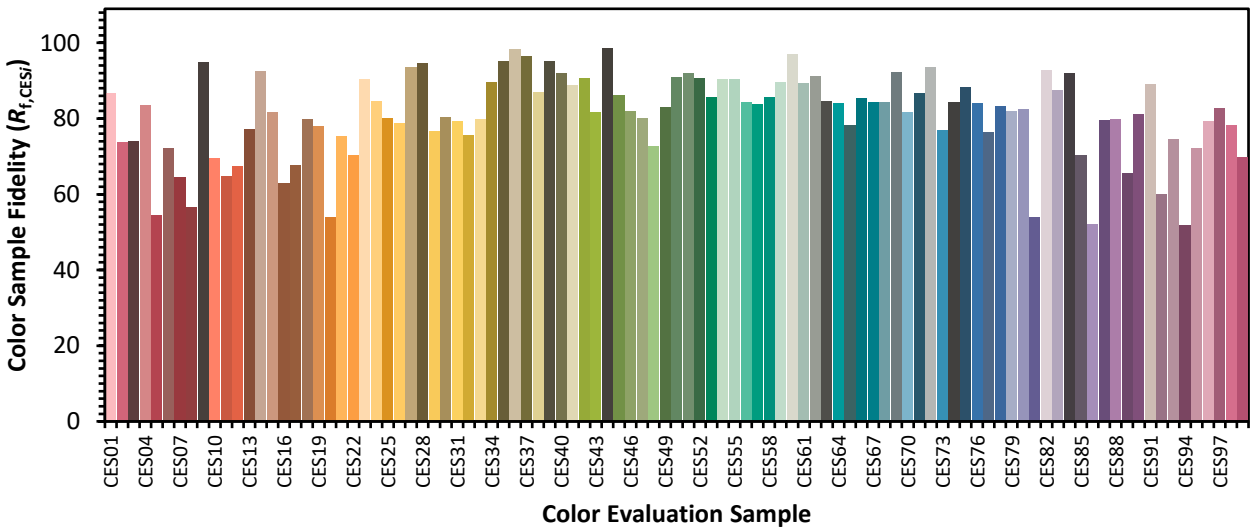


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

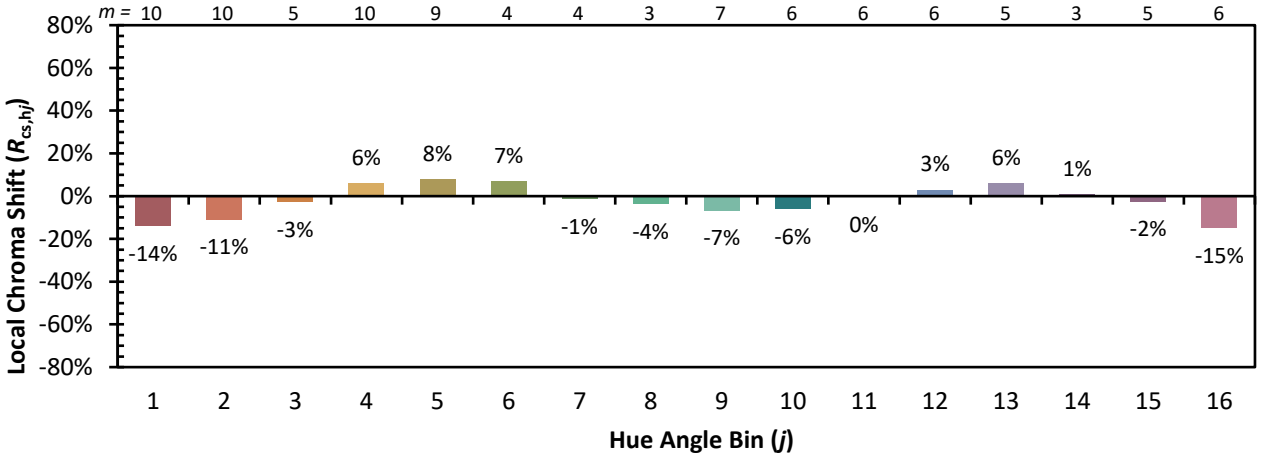
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 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	

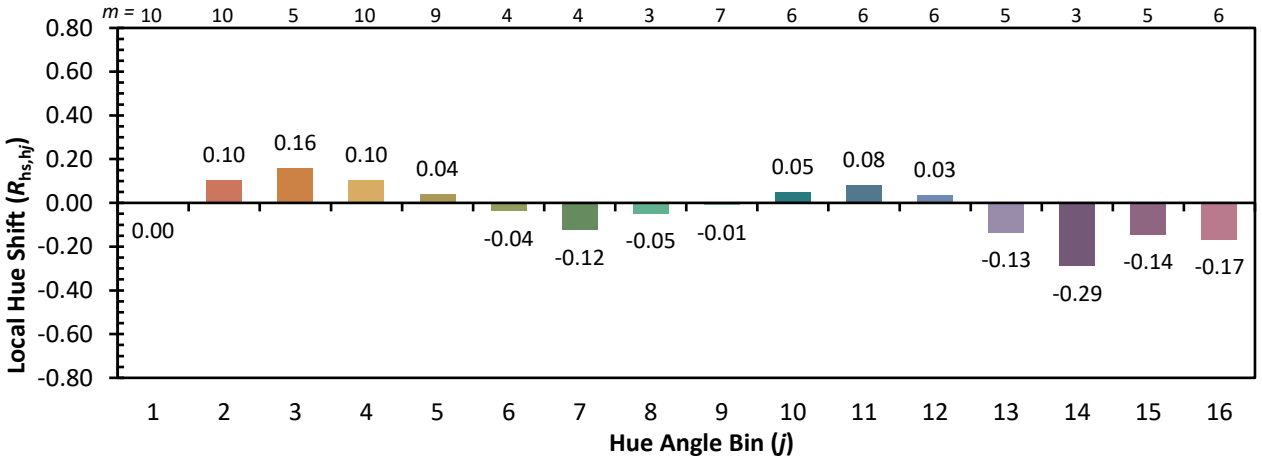


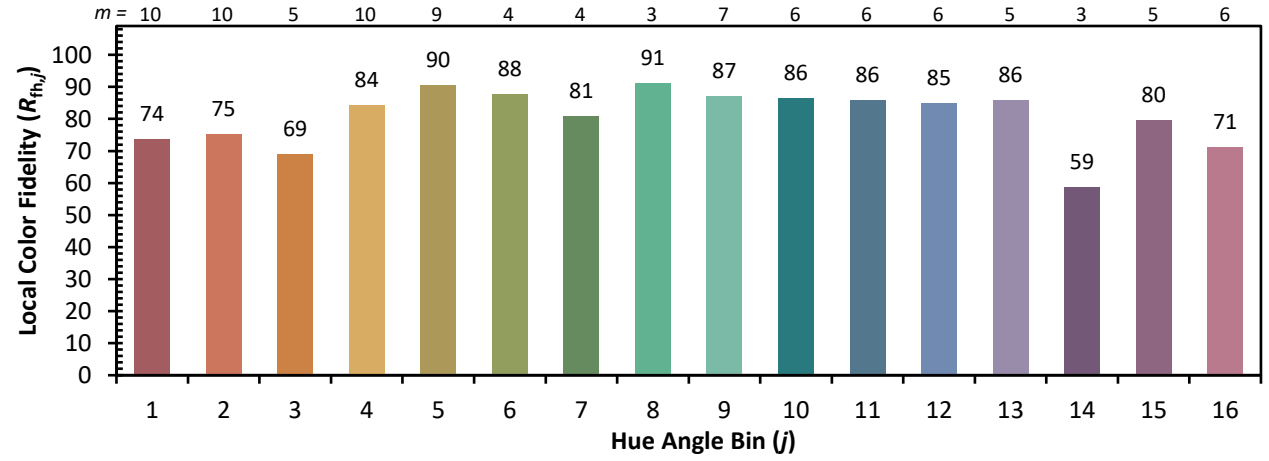
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Color Rendition by Hue-Angle Bin



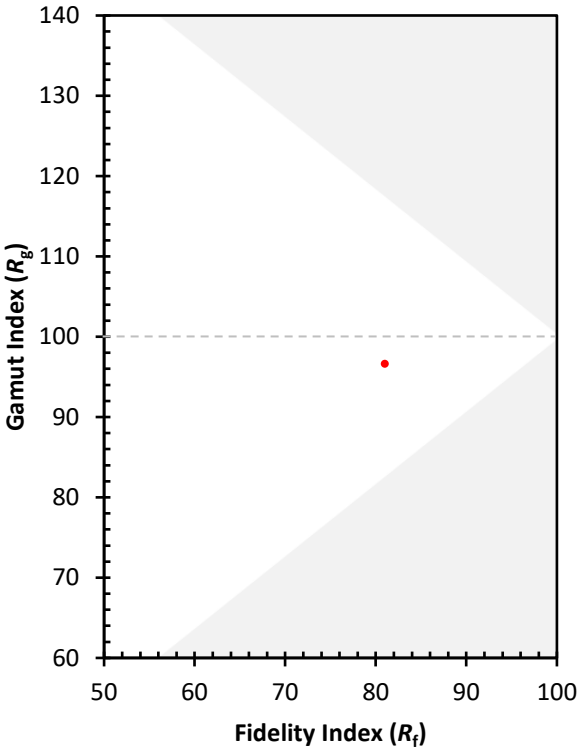


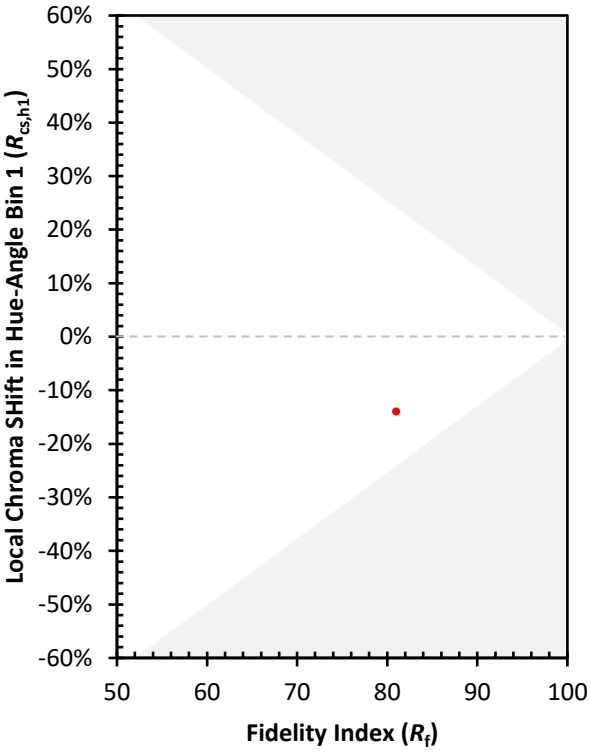


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Measure Comparisons





(END OF REPORT)