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: P1045964

Luminaire Tested: **FFX-CLB-30-722-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045964
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-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC 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:	2829.2 lumens
Efficiency:	N/A
Efficacy:	92.5 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

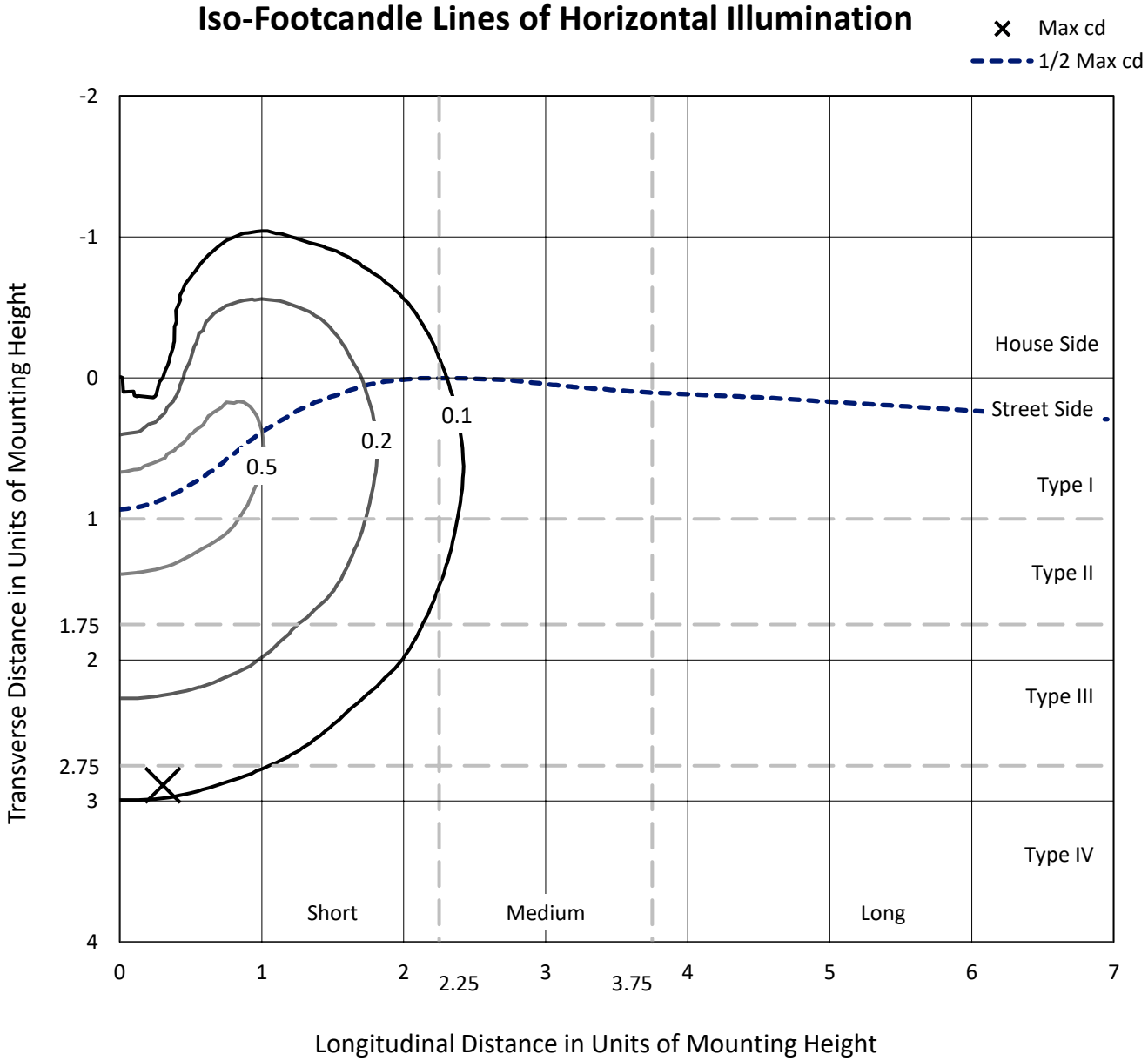


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Iso-Footcandle Lines of Horizontal Illumination



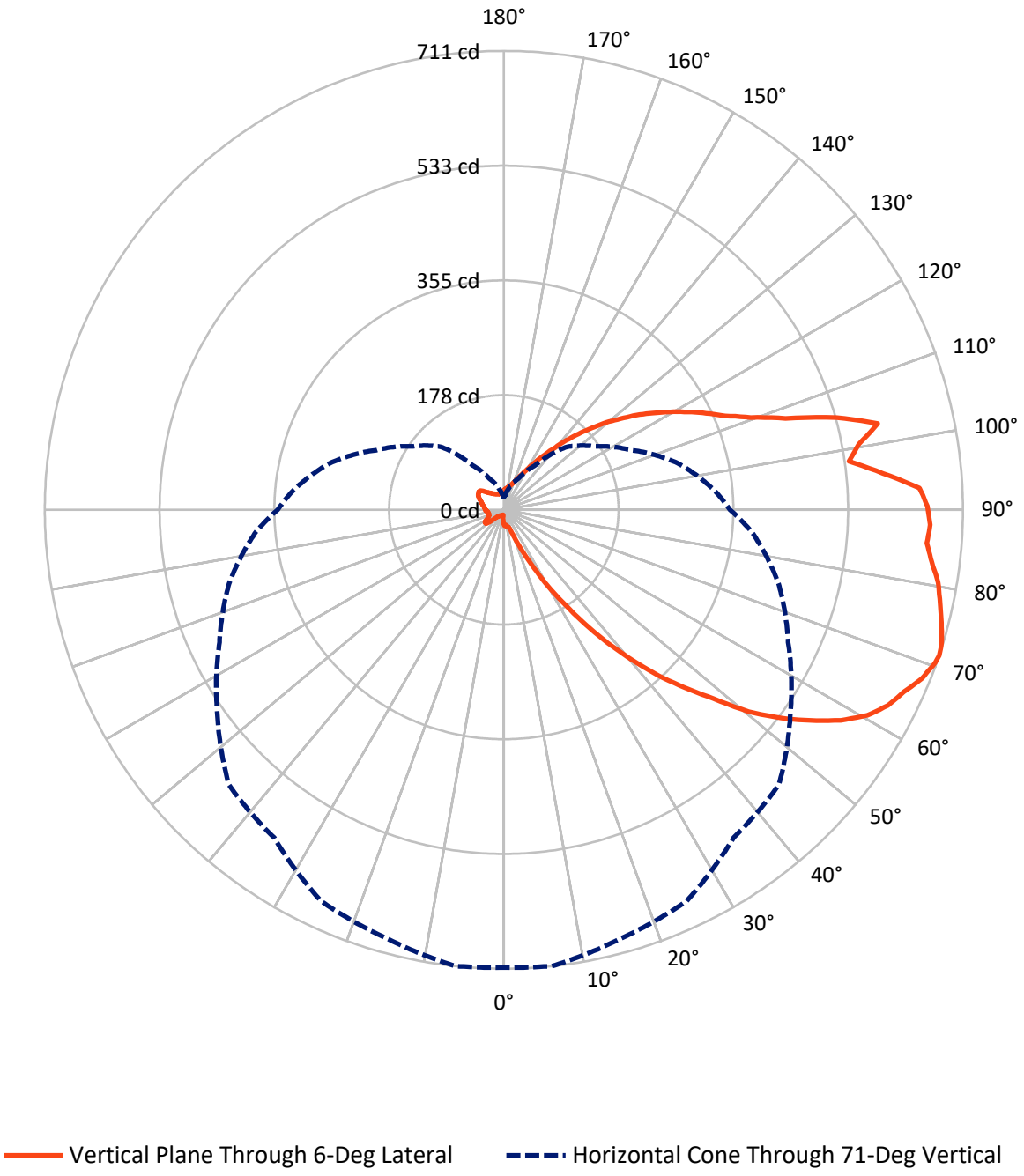
Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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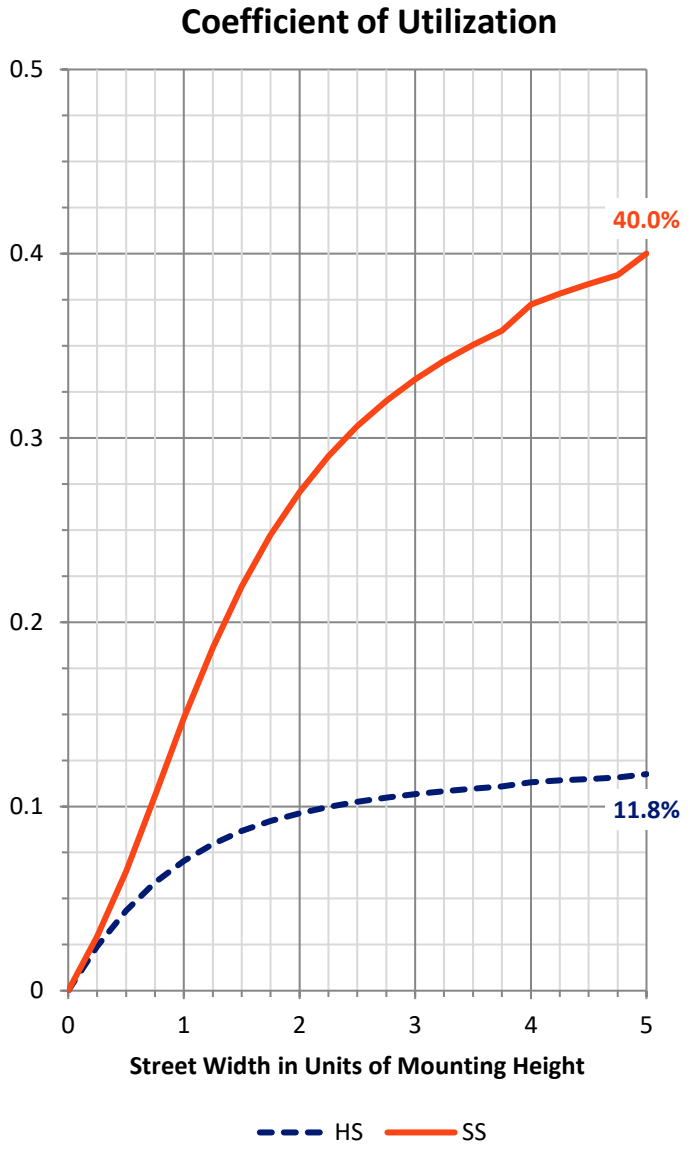
REPORT NUMBER: P1045964
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.3	288.1	651.4
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	1325.3	852.5	2177.8
	% Fixture	46.8	30.1	77.0
Total	Lumens	1688.6	1140.7	2829.2
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	5.9	0.2
20°-30°	26.9	0.9
30°-40°	89.8	3.2
40°-50°	183.1	6.5
50°-60°	281.6	10.0
60°-70°	350.5	12.4
70°-80°	374.8	13.2
80°-90°	374.2	13.2
90°-100°	338.1	12.0
100°-110°	295.8	10.5
110°-120°	201.6	7.1
120°-130°	142.4	5.0
130°-140°	86.3	3.1
140°-150°	43.8	1.5
150°-160°	20.4	0.7
160°-170°	9.4	0.3
170°-180°	2.9	0.1
0°-90°	1688.6	59.7
0°-180°	2829.2	100.0



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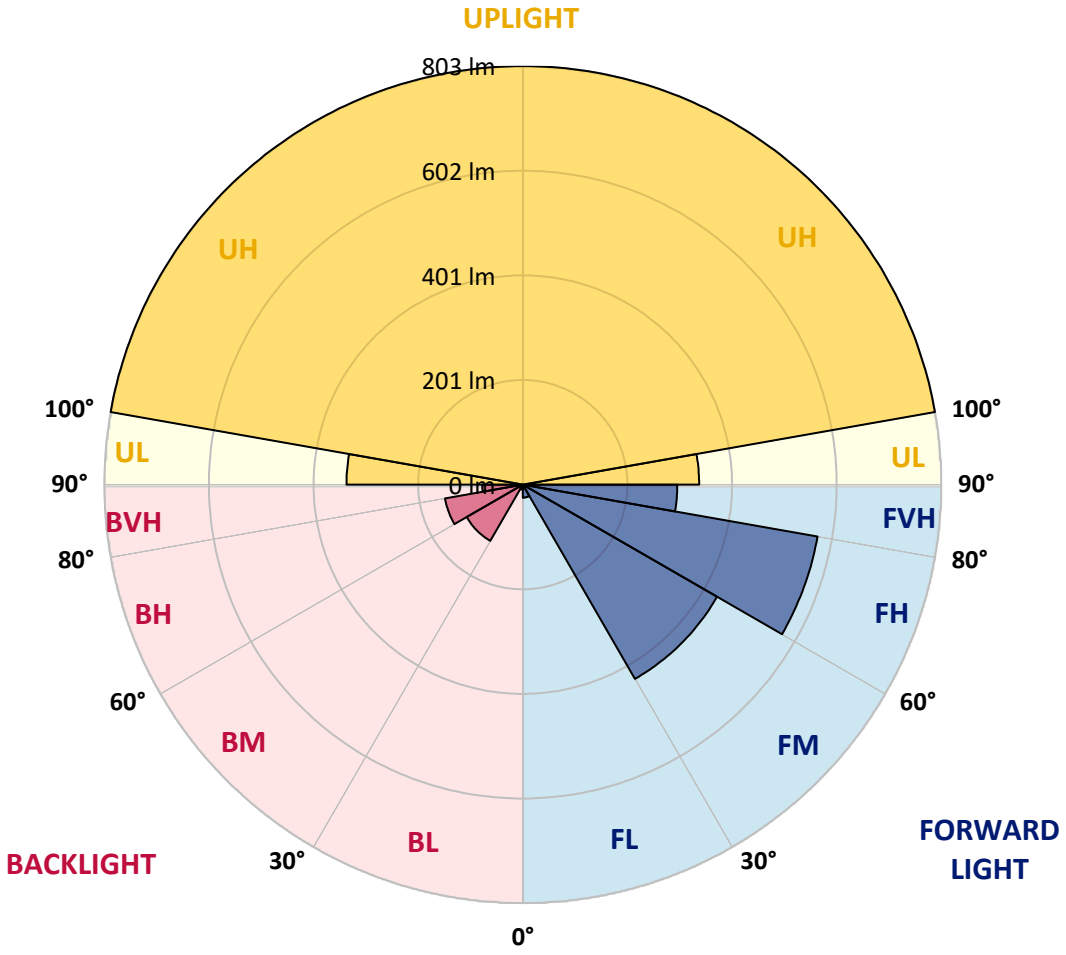
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	25.0	0.9			
FM	(30°-60°)	430.1	15.2			
FH	(60°-80°)	573.8	20.3			G0/660
FVH	(80°-90°)	296.3	10.5			G3/500
BL	(0°-30°)	9.6	0.3	B0/110		
BM	(30°-60°)	124.4	4.4	B0/220		
BH	(60°-80°)	151.4	5.4	B1/500		G1/500
BVH	(80°-90°)	77.8	2.8			G1/100
UL	(90°-100°)	338.1	12.0		U3/500	
UH	(100°-180°)	802.5	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°	23.0	23.0	*23.0*	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	24.9	24.9	*24.9*	24.9	24.9	24.9	24.6	24.0	23.7	23.4	23.0
5°	23.7	23.7	*23.7*	23.7	23.7	23.7	23.7	23.4	23.0	22.4	21.8
7.5°	23.7	23.7	*23.7*	23.7	23.4	23.0	22.7	22.4	22.1	20.9	19.7
10°	25.8	26.1	*25.8*	25.8	24.9	24.0	23.4	22.4	21.8	21.2	19.7
12.5°	27.3	27.3	*27.3*	27.0	26.4	25.8	24.6	23.0	21.8	20.6	19.4
15°	28.3	28.3	*28.3*	28.3	27.7	26.7	25.8	24.6	23.4	21.8	20.3
17.5°	32.0	32.0	*32.0*	31.6	31.0	30.4	29.8	29.2	28.3	26.7	25.2
20°	42.1	43.0	*42.7*	41.8	41.2	40.6	40.9	40.2	39.6	37.5	35.0
22.5°	58.4	59.6	*59.3*	59.6	58.7	58.1	57.8	58.4	57.1	54.1	49.5
25°	82.0	82.0	*81.1*	83.6	83.9	80.8	81.4	81.1	80.2	74.7	67.3
27.5°	108.5	107.8	*107.5*	111.5	112.1	110.9	112.1	110.0	106.9	100.8	91.6
30°	139.2	141.6	*142.9*	143.5	145.3	146.6	148.1	146.2	138.0	130.6	117.7
32.5°	178.2	176.7	*176.4*	182.8	186.2	186.5	190.2	185.0	175.7	161.9	145.0
35°	221.2	217.5	*218.1*	222.1	227.7	231.7	234.4	224.3	214.8	196.6	174.5
37.5°	261.8	262.1	*261.8*	263.3	273.8	275.0	275.6	264.2	250.4	231.7	204.0
40°	303.3	303.9	*305.4*	310.3	321.4	319.2	314.3	304.2	286.4	265.2	232.6
42.5°	346.0	350.0	*350.9*	353.3	361.0	360.4	352.1	340.7	320.2	293.7	257.2
45°	391.7	391.1	*392.7*	396.0	402.2	402.2	387.4	370.8	348.4	318.6	279.3
47.5°	435.1	439.7	*436.9*	445.2	442.1	444.3	419.1	398.8	374.2	338.9	297.7
50°	489.7	492.2	*491.3*	490.4	481.1	481.1	455.3	428.0	400.3	358.6	316.2
52.5°	536.1	537.1	*535.5*	531.8	518.9	514.6	484.2	452.6	423.4	381.6	334.0
55°	579.2	573.0	*575.8*	569.9	549.7	545.1	516.2	471.3	443.7	398.2	349.3
57.5°	610.8	614.2	*615.1*	602.5	582.2	563.5	544.1	493.7	459.0	413.9	359.5
60°	637.8	647.1	*646.4*	627.4	609.6	576.1	565.3	513.4	469.2	427.7	370.5
62.5°	658.1	668.0	*667.3*	652.0	636.0	589.0	577.0	525.1	475.3	434.8	378.8
65°	678.1	682.7	*680.5*	674.4	655.4	601.0	588.1	530.3	480.5	437.8	381.9
67.5°	698.4	698.1	*697.8*	689.2	668.6	612.0	597.0	538.0	485.8	441.2	384.1
70°	708.5	709.1	*708.8*	690.7	671.6	619.4	601.9	542.0	487.0	441.2	385.9
71°	*709.1*	*710.0*	*710.7*	*688.8*	*668.9*	*620.0*	*602.2*	*542.0*	*485.8*	*440.3*	*385.0*
72.5°	704.8	709.4	*708.8*	684.2	664.9	619.1	600.1	539.5	483.9	436.6	382.2
75°	695.3	703.6	*699.9*	675.0	654.7	613.0	594.2	537.1	479.3	431.7	379.8
77.5°	687.0	696.5	*690.4*	667.3	649.2	608.7	591.1	537.7	475.9	428.6	378.8
80°	681.5	686.7	*681.8*	662.7	644.6	603.7	589.0	538.0	475.0	427.1	376.1
82.5°	673.2	671.0	*667.6*	652.6	634.2	594.8	580.4	533.1	472.9	424.0	373.0
85°	665.8	656.9	*656.9*	643.4	624.6	587.8	570.2	527.2	469.2	420.9	369.3
87.5°	670.1	658.1	*660.6*	647.7	627.1	588.7	568.4	526.6	470.7	421.5	367.2
90°	665.8	654.4	*655.7*	642.1	618.2	579.2	554.6	514.3	460.9	412.9	359.5
92.5°	658.4	646.4	*644.6*	630.8	606.5	569.6	543.8	506.3	453.2	406.2	356.7
95°	601.6	593.0	*589.3*	579.5	560.7	528.5	508.2	472.2	419.4	376.4	333.7
97.5°	543.2	544.7	*539.5*	527.8	507.3	482.1	459.6	425.2	380.7	343.5	302.0
100°	566.3	564.1	*558.9*	543.2	521.7	493.4	467.0	433.8	390.5	357.0	311.2
102.5°	591.4	596.4	*594.2*	574.5	550.3	527.5	507.6	474.4	426.8	391.4	342.6
105°	522.6	532.5	*534.6*	519.2	501.4	482.4	464.9	441.5	400.3	364.1	325.7
107.5°	455.6	457.2	*458.7*	447.0	438.1	421.2	403.7	382.5	351.2	323.5	286.0

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

CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	409.3	410.8	*408.3*	403.4	394.2	381.3	361.9	347.2	319.8	296.5	262.4
112.5°	372.4	373.9	*372.1*	365.9	357.6	347.5	327.2	314.9	291.6	269.8	239.0
115°	348.7	350.6	*347.5*	341.0	334.0	328.4	310.9	292.8	271.6	252.2	225.8
117.5°	326.3	330.0	*322.9*	321.1	315.8	310.3	290.3	274.4	255.9	238.4	217.2
120°	301.7	304.8	*299.0*	296.8	293.7	288.2	269.5	255.0	240.3	224.6	204.3
122.5°	282.1	277.8	*275.0*	275.0	271.3	267.6	248.3	236.3	224.6	211.4	190.5
125°	259.6	253.8	*252.6*	254.7	250.1	245.2	229.8	219.1	210.2	196.9	176.4
127.5°	234.4	228.9	*228.9*	229.8	227.1	222.1	212.0	203.1	197.6	183.4	162.8
130°	210.8	207.7	*208.3*	206.2	203.4	199.4	192.0	185.6	181.0	166.8	152.1
132.5°	182.5	185.9	*185.9*	182.2	181.6	178.5	172.7	169.6	162.5	150.9	138.6
135°	162.5	165.3	*165.0*	161.6	161.3	159.5	155.2	152.4	145.6	135.8	125.7
137.5°	145.6	145.6	*145.0*	142.9	141.6	141.3	137.3	134.6	128.1	121.4	113.1
140°	129.0	126.3	*125.4*	125.7	123.8	123.5	120.1	116.8	113.7	107.2	100.5
142.5°	111.8	110.0	*109.1*	107.8	107.2	106.3	104.2	101.4	98.3	94.0	87.9
145°	95.6	95.6	*94.9*	93.7	93.7	92.5	90.3	88.8	86.0	81.4	76.5
147.5°	83.0	82.0	*82.0*	81.7	80.8	80.2	78.3	76.2	74.4	70.7	66.1
150°	71.3	71.3	*70.7*	71.3	70.7	69.7	68.5	66.7	64.5	61.8	58.1
152.5°	62.1	62.4	*61.8*	62.7	62.1	61.4	59.9	58.7	56.2	53.8	51.3
155°	55.3	55.6	*55.3*	55.0	55.0	54.1	53.5	51.6	50.1	47.9	45.8
157.5°	49.2	49.5	*49.5*	49.5	49.5	48.5	47.3	46.1	44.9	43.0	41.2
160°	45.2	44.9	*44.9*	44.6	44.2	43.9	43.0	41.8	40.9	39.3	37.8
162.5°	41.2	41.2	*41.2*	40.9	40.6	40.2	39.6	38.4	37.5	36.3	35.0
165°	38.4	38.4	*38.4*	38.4	37.8	37.5	36.9	35.9	35.3	34.1	32.9
167.5°	36.6	36.6	*36.6*	36.3	35.9	35.6	35.3	34.4	33.8	32.9	32.0
170°	35.0	35.0	*35.0*	35.0	34.7	34.1	33.8	33.2	32.6	32.0	31.0
172.5°	33.5	33.5	*33.5*	33.5	33.2	33.2	32.9	32.3	32.0	31.0	30.7
175°	32.3	32.3	*32.3*	32.3	32.0	32.0	31.6	31.3	31.0	30.7	30.1
177.5°	31.3	31.3	*31.3*	31.3	31.0	31.0	31.0	30.7	30.4	30.1	30.1
180°	30.1	30.1	*30.1*	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	23.0	23.0	22.4	22.1	21.8	21.2	20.6	19.7	19.7	19.7	19.4
5°	21.5	21.2	20.6	19.7	19.4	19.0	18.4	17.2	15.7	14.4	14.4
7.5°	20.0	18.4	16.9	16.3	15.4	13.8	12.3	10.4	8.3	8.0	8.0
10°	18.7	17.8	16.0	14.4	12.9	12.6	11.4	9.5	8.6	7.7	7.7
12.5°	18.4	17.8	15.7	13.8	12.0	11.1	10.1	9.2	8.3	7.7	7.7
15°	19.4	18.7	16.6	14.4	12.3	11.1	9.8	8.9	8.6	8.3	8.3
17.5°	24.3	23.4	20.3	16.9	14.1	12.3	10.8	9.8	9.5	9.2	9.2
20°	32.9	31.3	27.0	22.4	18.1	14.1	12.0	10.4	10.1	9.8	9.8
22.5°	46.7	43.9	36.6	29.5	23.0	17.8	13.8	11.1	10.1	9.8	9.8
25°	63.6	59.9	49.2	38.7	29.2	22.7	16.9	12.6	10.1	9.5	9.5
27.5°	86.0	79.6	65.1	51.9	39.0	28.9	21.2	15.1	11.1	9.5	9.2
30°	109.7	101.7	83.3	65.8	49.5	36.3	26.1	18.1	12.6	9.5	9.2
32.5°	135.5	124.7	104.5	82.6	61.4	44.9	32.0	21.2	14.4	10.1	9.5
35°	161.9	149.9	124.7	100.5	73.7	53.5	38.1	24.6	15.7	10.8	10.1
37.5°	188.6	175.1	147.8	116.4	85.7	62.4	44.2	28.3	16.9	11.4	10.8
40°	215.4	199.1	169.0	131.5	97.4	71.3	50.1	31.3	17.8	12.3	12.0
42.5°	236.3	219.7	186.5	144.1	109.7	79.3	55.9	33.8	18.7	13.8	13.2
45°	255.3	237.8	201.2	155.5	119.2	88.8	62.7	37.8	20.6	15.7	15.1
47.5°	274.7	257.5	216.6	166.5	128.4	98.3	70.7	42.1	25.5	20.3	20.0
50°	291.6	272.5	233.2	181.6	140.1	107.2	79.0	47.3	30.1	29.5	29.8
52.5°	307.9	288.8	247.3	192.6	148.1	118.0	87.0	49.5	34.1	34.7	35.3
55°	326.0	303.9	258.7	201.2	152.7	125.0	91.6	51.3	37.8	35.3	34.7
57.5°	338.3	312.8	267.9	210.8	157.6	129.4	91.9	53.5	40.9	34.1	33.2
60°	346.6	317.7	272.8	216.0	164.4	133.3	90.9	53.8	42.7	31.3	28.6
62.5°	352.1	324.1	277.1	217.2	169.6	136.4	90.6	52.5	42.1	28.0	25.8
65°	354.6	329.7	281.1	217.8	170.5	138.6	90.6	51.9	41.2	24.6	22.1
67.5°	354.6	331.5	282.7	219.1	169.9	139.2	87.9	53.8	39.9	23.4	20.3
70°	352.7	330.6	280.5	218.8	171.1	138.6	84.8	53.8	38.1	23.4	19.4
71°	*350.3*	*328.8*	*279.0*	*218.5*	*171.4*	*138.0*	*83.6*	*53.5*	*37.2*	*22.7*	*19.7*
72.5°	346.9	326.0	276.2	217.8	170.5	136.1	81.1	53.8	36.3	22.4	20.0
75°	343.2	323.8	274.1	215.4	170.2	133.3	76.8	52.8	35.9	22.7	20.6
77.5°	342.0	324.1	272.8	214.8	170.2	131.8	73.7	52.2	35.3	23.0	21.8
80°	339.2	323.5	270.4	213.2	169.6	129.0	72.8	52.2	34.7	23.4	22.4
82.5°	336.4	322.0	268.2	211.7	168.7	125.4	71.9	51.9	34.1	24.3	23.7
85°	334.0	321.7	268.2	210.8	168.4	123.2	71.6	51.6	33.8	25.2	24.6
87.5°	334.0	323.2	271.0	213.2	171.1	123.2	72.8	52.2	34.1	26.4	26.1
90°	327.8	316.5	266.7	211.7	172.1	123.5	74.0	53.8	35.3	27.7	27.0
92.5°	326.0	313.4	265.5	213.2	173.3	123.5	75.6	55.3	36.3	28.3	27.7
95°	305.7	291.6	249.8	202.5	165.6	120.1	76.2	55.0	36.9	28.6	28.3
97.5°	277.4	262.1	222.8	180.0	146.6	107.8	69.4	51.6	36.6	29.5	28.9
100°	287.0	268.8	227.7	183.1	144.1	105.7	68.2	50.1	37.5	30.7	30.1
102.5°	313.4	293.7	250.4	202.8	157.0	116.8	76.2	53.2	39.3	32.3	31.3
105°	297.7	275.9	241.8	196.3	153.0	116.8	76.5	54.1	41.2	33.5	32.9
107.5°	263.0	242.7	212.9	174.8	140.1	107.8	72.5	52.5	42.7	35.0	34.1

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

Scaled Data Report

REPORT NUMBER: P1045964
CATALOG NUMBER: FFX-CLB-30-722-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	243.0	221.2	193.9	159.5	130.3	100.2	69.7	51.6	43.6	36.9	35.6
112.5°	221.8	203.1	176.7	146.6	121.4	92.5	67.9	51.3	44.2	38.7	37.5
115°	209.8	190.5	167.8	138.6	115.5	90.0	67.3	52.8	46.4	41.2	39.9
117.5°	199.4	183.4	163.1	132.4	111.5	89.1	68.5	54.7	47.9	43.3	41.8
120°	188.6	173.9	155.5	127.5	108.2	86.0	68.8	55.6	49.2	45.2	44.2
122.5°	182.2	165.6	147.5	123.2	104.2	83.9	68.5	56.8	49.5	46.1	46.1
125°	170.2	157.0	138.9	117.7	98.3	82.6	68.5	56.2	50.4	47.3	46.7
127.5°	157.0	148.4	130.3	111.5	94.3	79.6	66.7	56.2	50.1	47.3	47.3
130°	144.7	137.0	122.3	103.2	90.6	75.3	63.9	53.5	48.2	46.4	46.4
132.5°	130.9	126.0	112.1	95.2	83.3	70.1	60.2	49.5	45.2	43.6	43.6
135°	118.3	113.7	100.8	86.6	75.9	65.1	55.9	46.7	41.5	39.6	39.6
137.5°	106.6	102.3	90.9	79.0	69.1	60.2	51.6	43.9	38.7	36.6	36.9
140°	94.6	89.4	81.7	71.6	62.7	55.6	47.3	41.2	36.3	34.4	34.1
142.5°	83.9	79.9	72.8	64.2	56.5	51.0	43.6	38.4	34.4	32.6	32.3
145°	74.0	70.7	64.5	57.5	51.3	46.1	40.2	35.9	32.6	31.0	30.7
147.5°	63.6	61.4	56.8	51.3	46.1	41.5	37.5	33.5	31.3	29.5	29.2
150°	55.9	54.4	50.7	46.1	42.1	38.4	35.3	31.6	29.8	28.6	28.3
152.5°	49.8	48.2	45.2	41.8	38.4	35.6	32.9	30.4	28.6	27.7	27.3
155°	44.6	43.3	40.9	38.1	35.3	32.9	30.7	28.9	27.7	26.7	26.7
157.5°	40.6	39.3	37.5	35.0	32.9	30.7	29.2	27.7	27.0	26.1	26.1
160°	37.2	36.3	34.7	32.6	30.7	29.2	28.0	26.7	26.4	25.8	25.8
162.5°	34.4	33.8	32.3	30.7	29.5	28.3	27.3	26.4	25.8	25.5	25.5
165°	32.6	32.0	31.0	29.8	28.6	27.7	27.0	26.1	25.8	25.8	25.5
167.5°	31.6	31.0	30.1	28.9	28.0	27.7	27.0	26.4	26.1	26.1	25.8
170°	30.7	30.4	29.8	28.9	28.0	27.7	27.3	26.7	26.7	26.4	26.4
172.5°	30.4	30.1	29.5	28.9	28.3	28.0	27.7	27.3	27.3	27.3	27.0
175°	30.1	30.1	29.5	28.9	28.6	28.6	28.3	28.0	28.0	28.0	28.0
177.5°	30.1	29.8	29.8	29.5	29.2	29.2	29.2	28.9	28.9	28.9	28.9
180°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1

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: SP1-2501-332-7

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

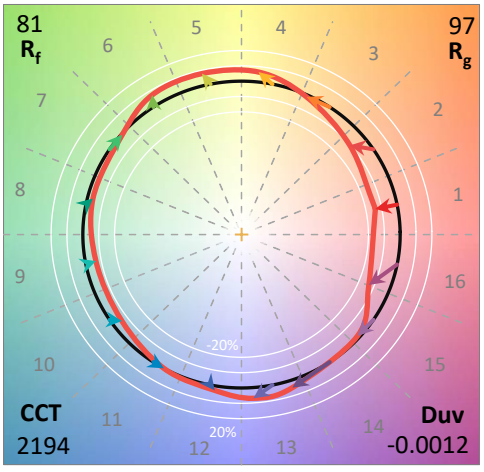
Test Information

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

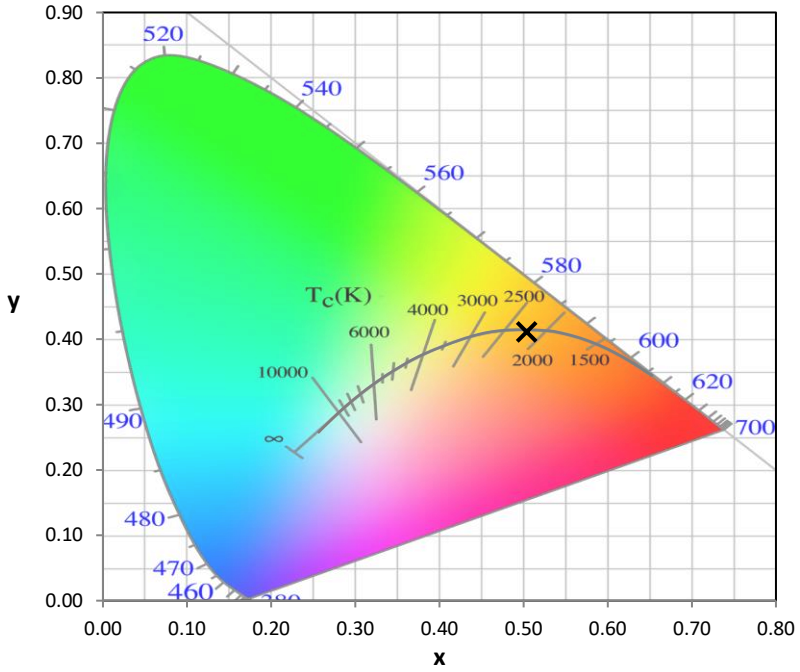
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

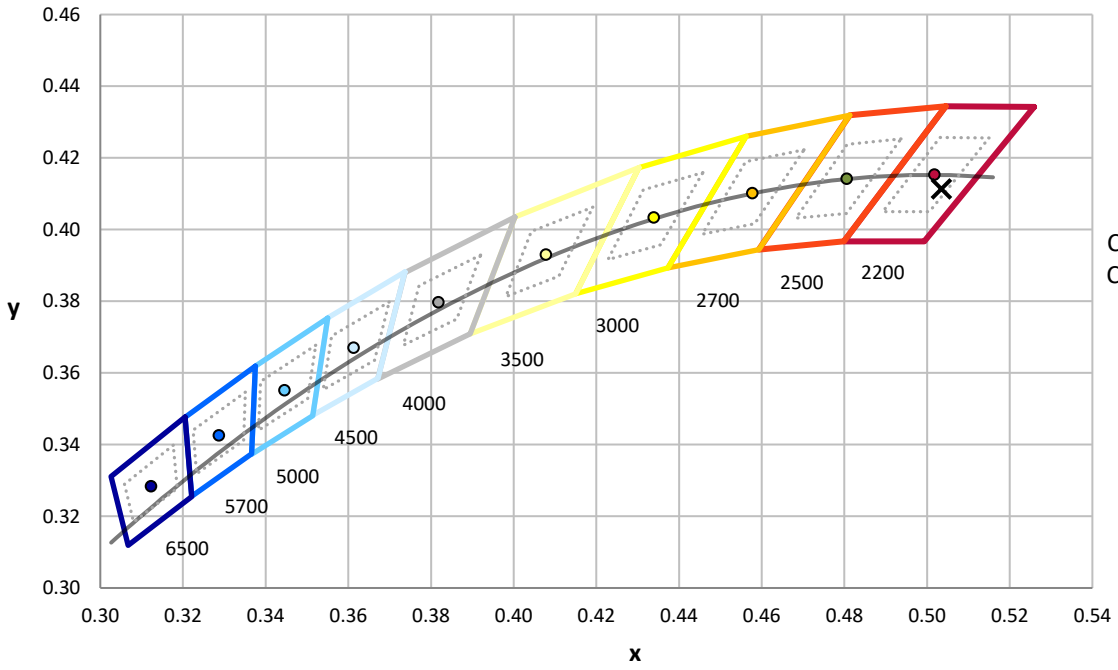
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

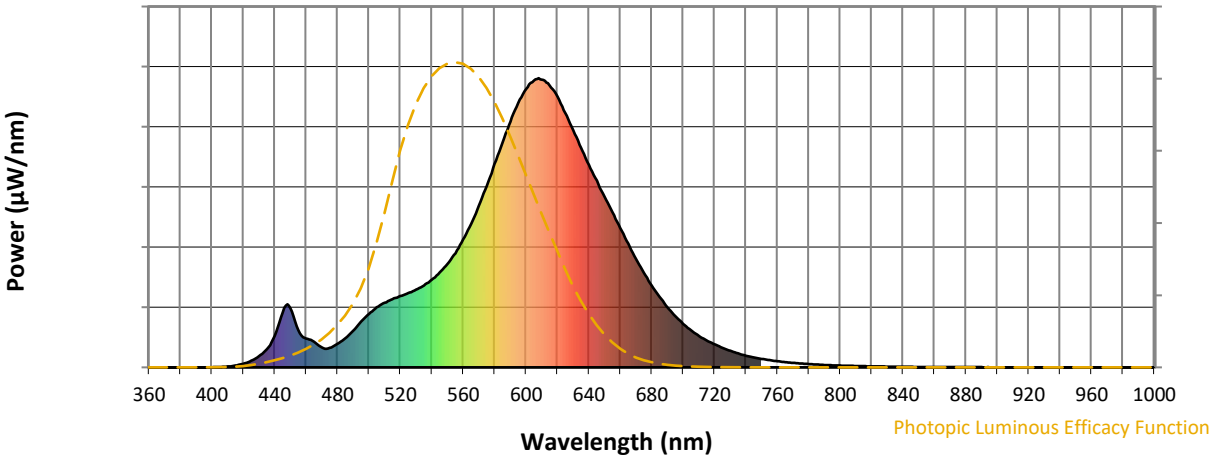


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

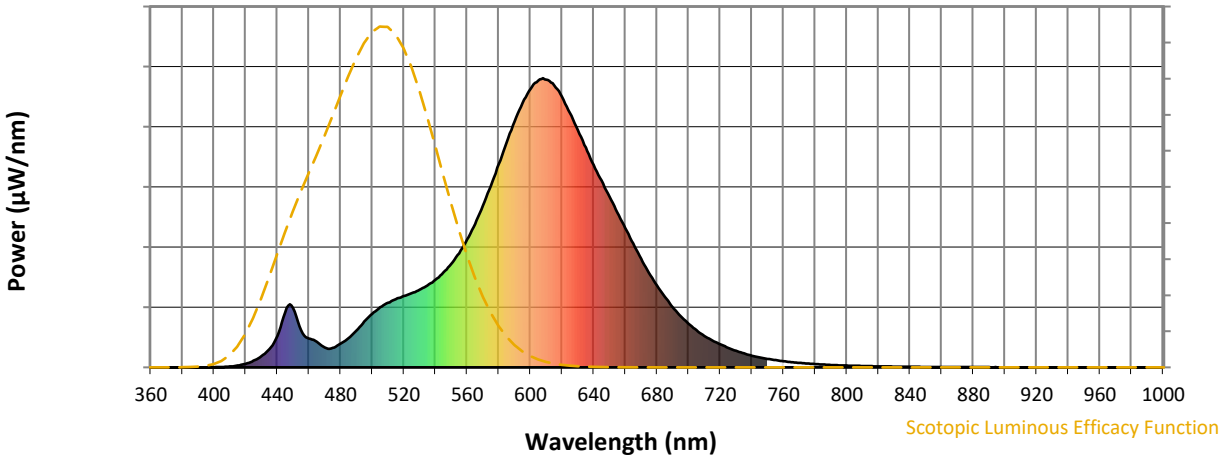


Photopic Lumens: NR

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

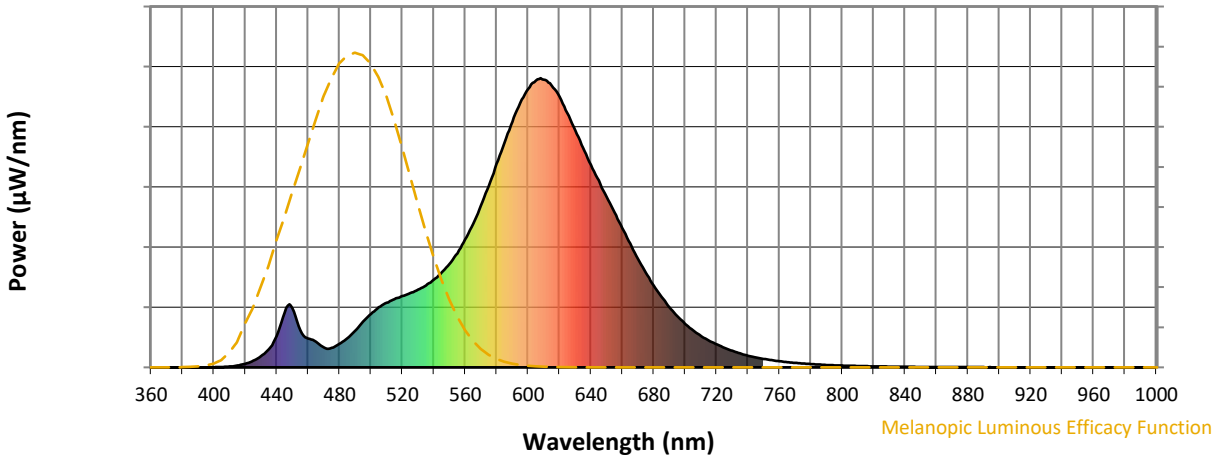


Scotopic Lumens: NR **S/P: 0.96**

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			

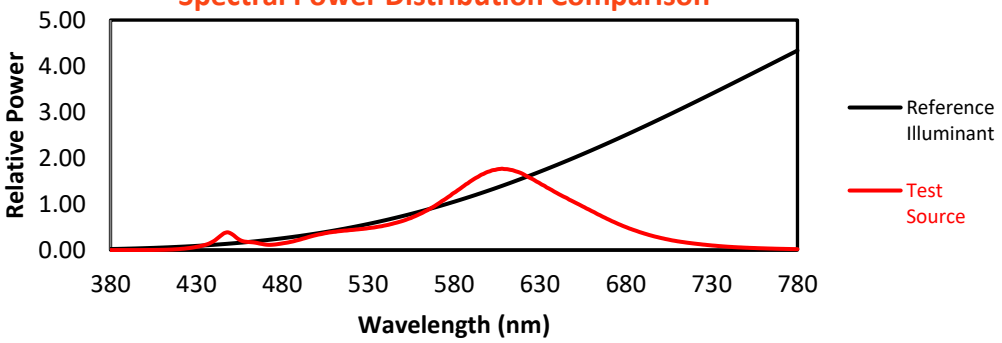
REPORT NUMBER: SP1-2501-332-7

TM-30-18

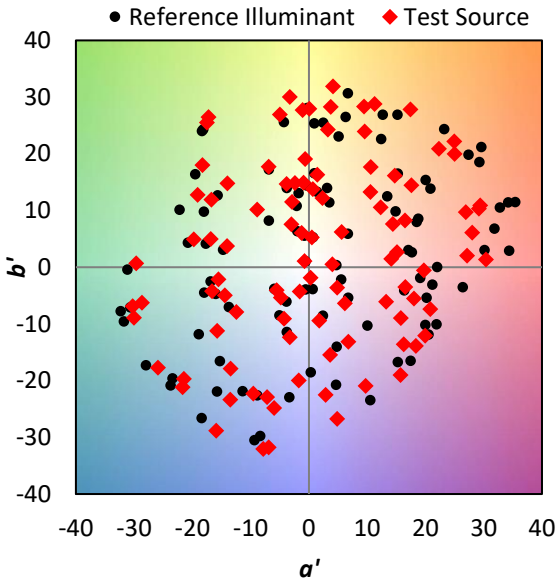
Summary

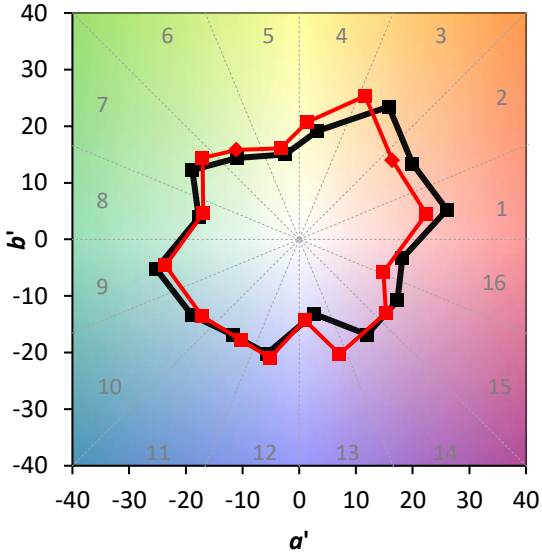
R_f = 81
R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

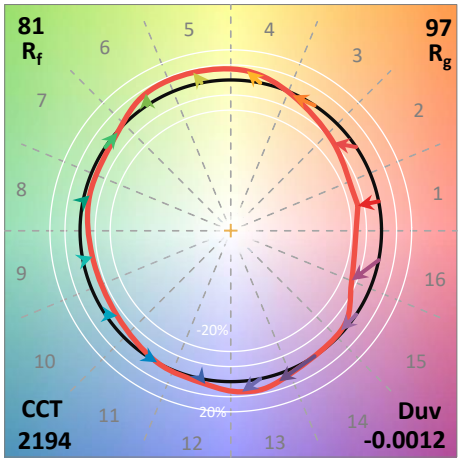
Spectral Power Distribution Comparison

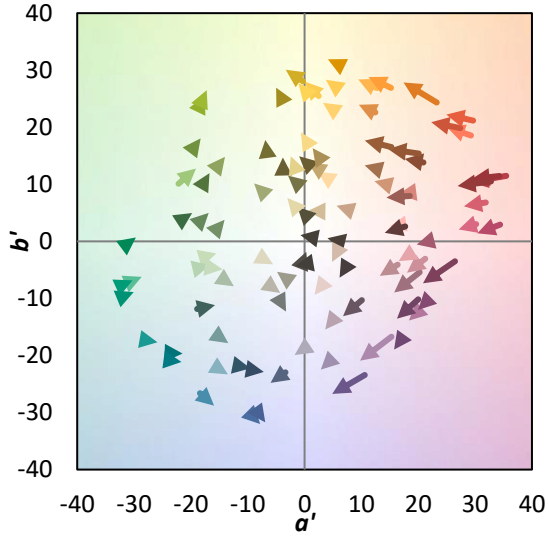


Color Vector Graphics







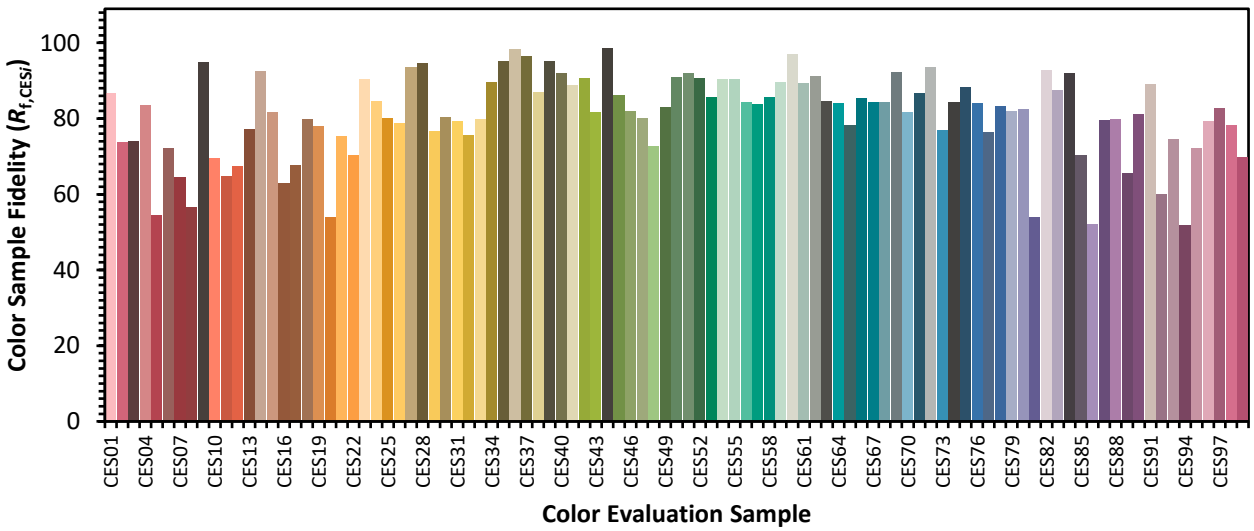


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

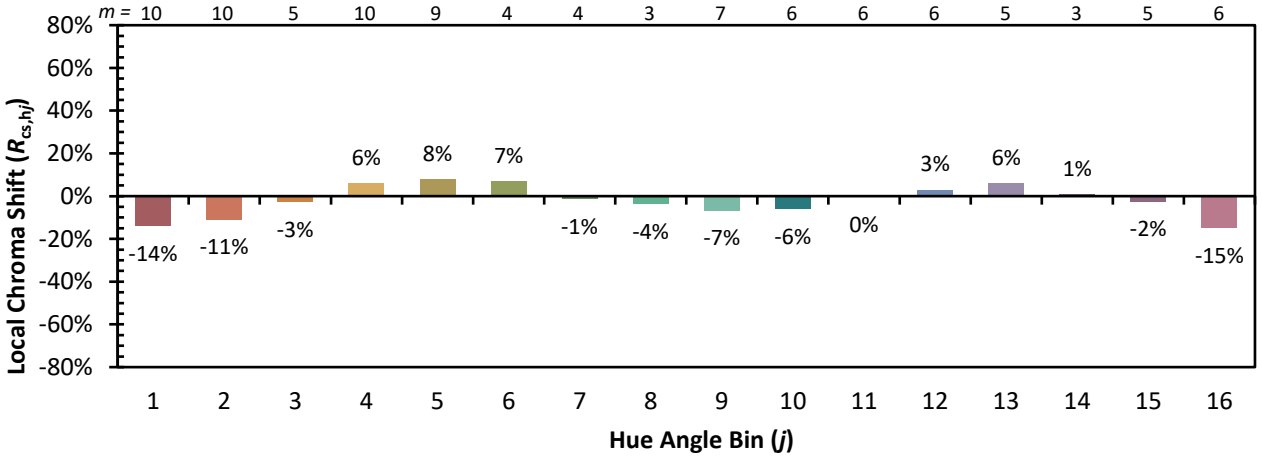
CES01 = 87	CES26 = 79	CES51 = 92	CES76 = 84
CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 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	

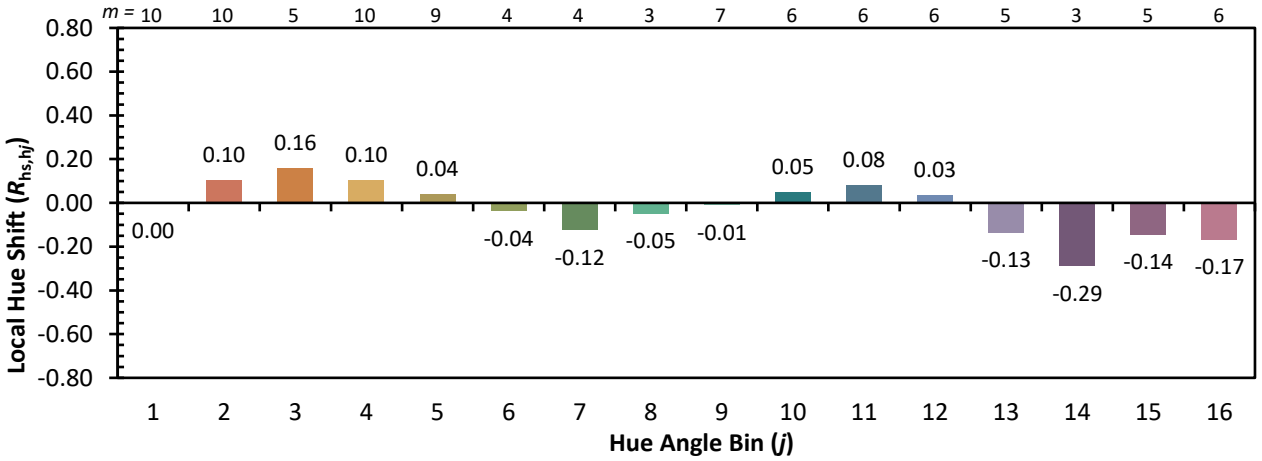


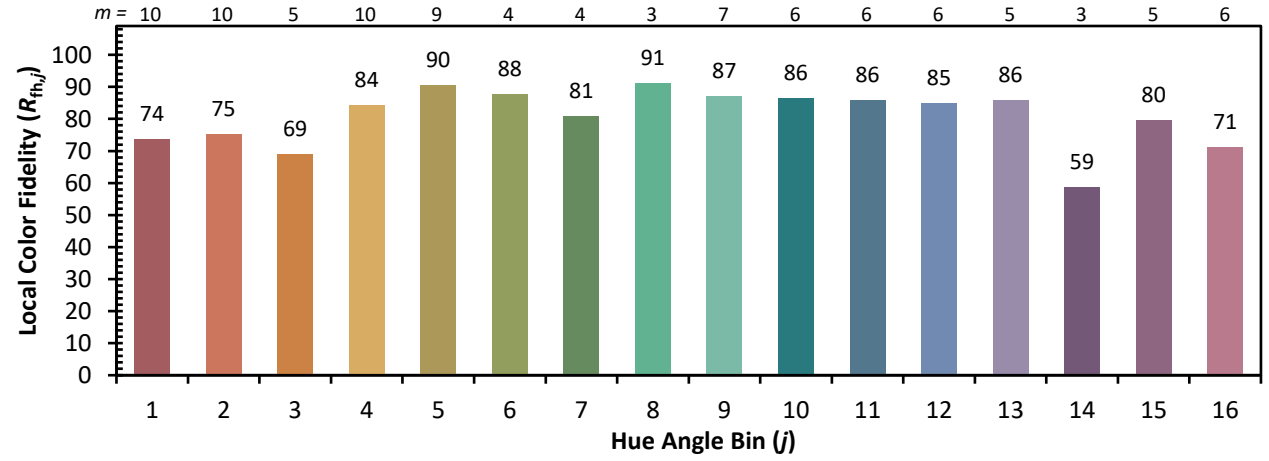
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Color Rendition by Hue-Angle Bin



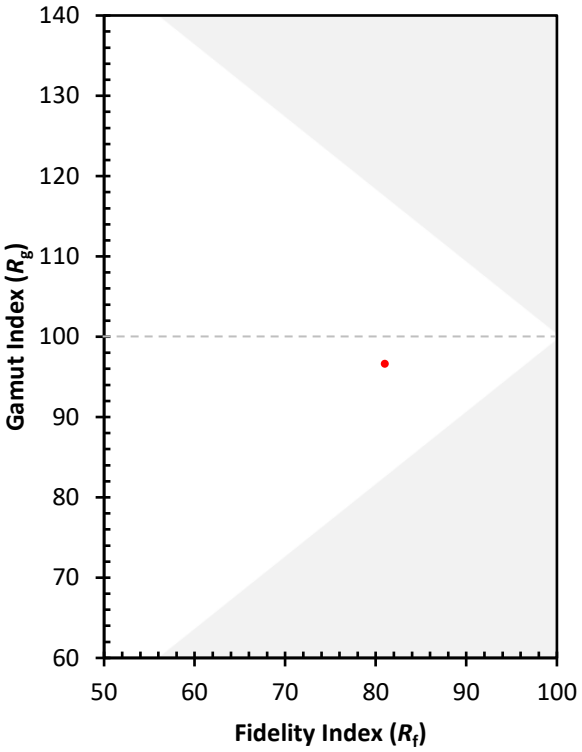


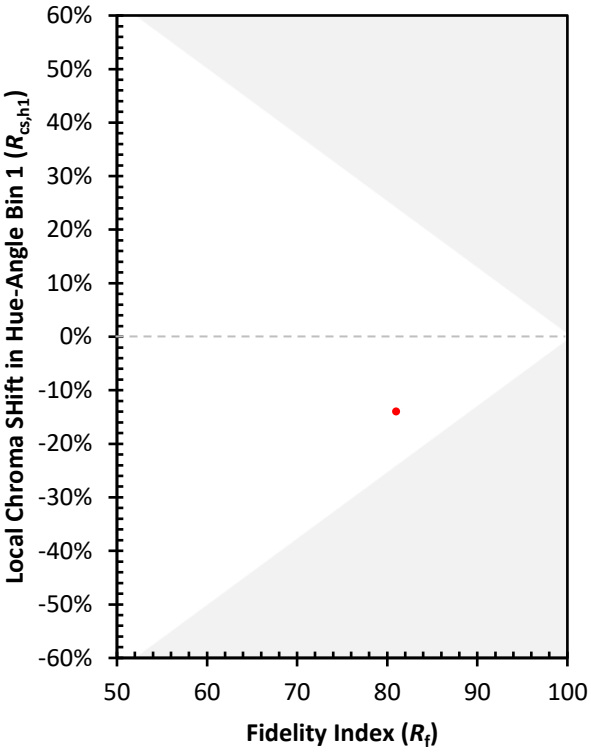


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Measure Comparisons





(END OF REPORT)