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: P1045918

Luminaire Tested: **FFX-CLB-40-722-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045918
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-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:	3763.1 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 - U5 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

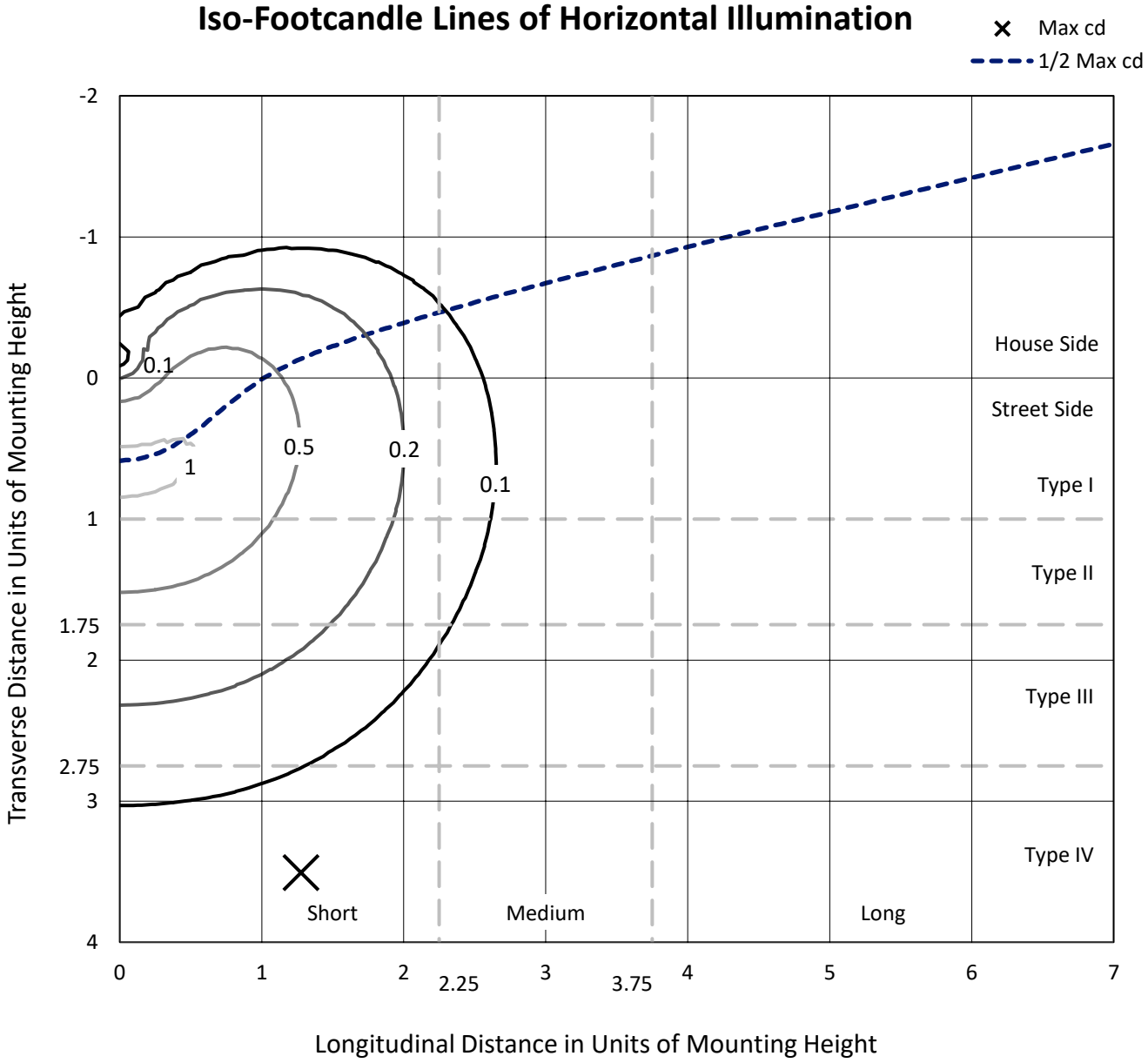


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Iso-Footcandle Lines of Horizontal Illumination



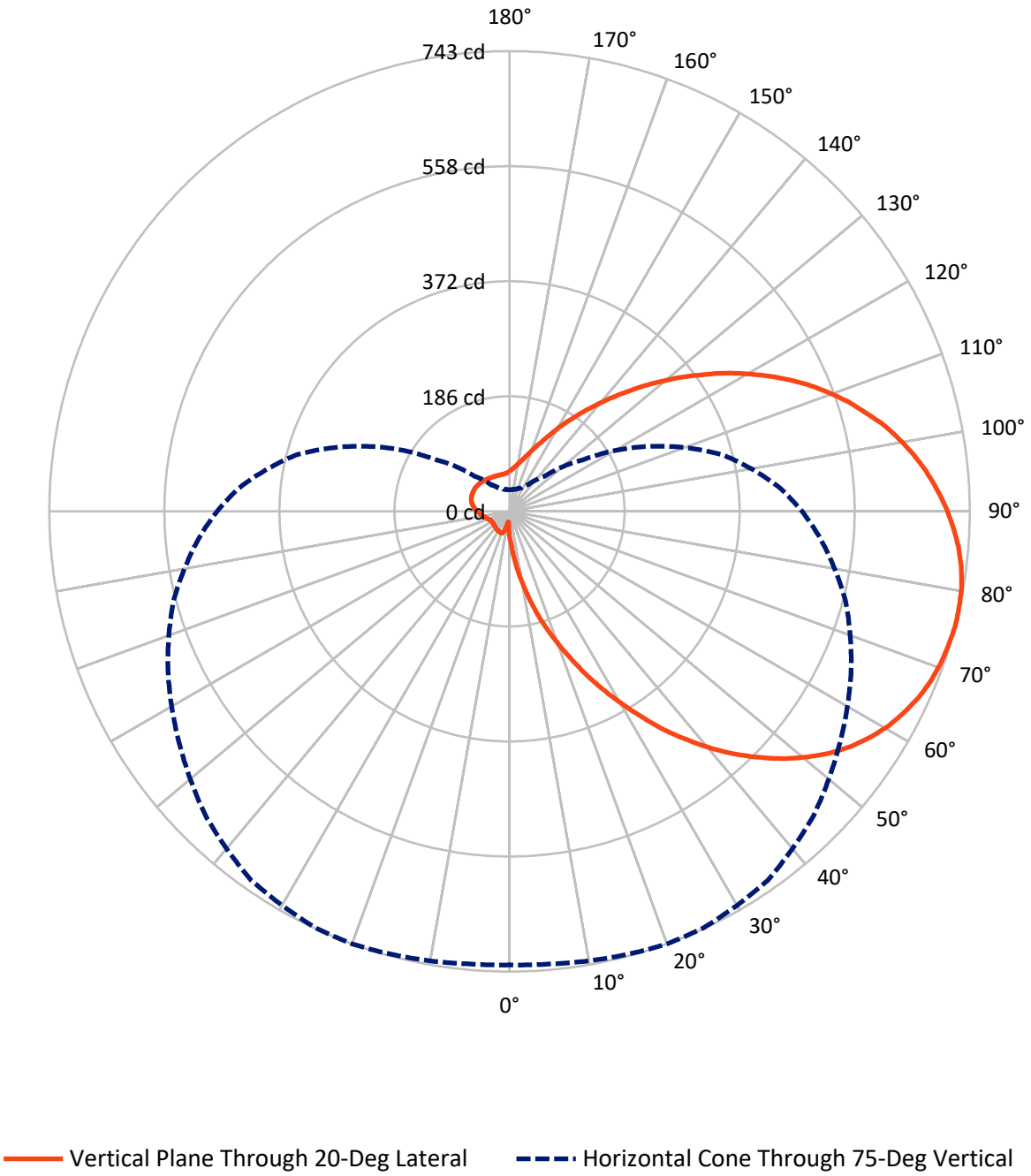
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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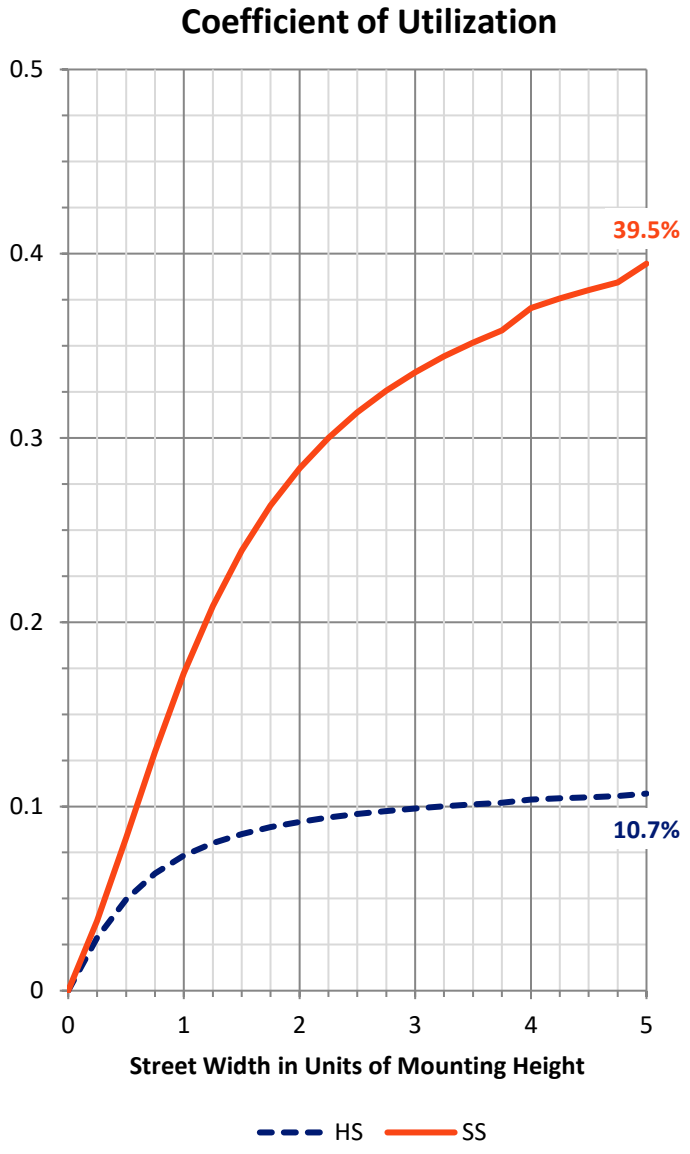
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.1	413.9	849.0
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	1708.4	1205.8	2914.1
	% Fixture	45.4	32.0	77.4
Total	Lumens	2143.4	1619.7	3763.1
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	31.4	0.8
20°-30°	83.2	2.2
30°-40°	160.6	4.3
40°-50°	251.6	6.7
50°-60°	336.4	8.9
60°-70°	398.6	10.6
70°-80°	434.3	11.5
80°-90°	442.1	11.7
90°-100°	419.2	11.1
100°-110°	370.7	9.9
110°-120°	301.0	8.0
120°-130°	221.6	5.9
130°-140°	146.9	3.9
140°-150°	86.6	2.3
150°-160°	45.8	1.2
160°-170°	21.6	0.6
170°-180°	6.3	0.2
0°-90°	2143.4	57.0
0°-180°	3763.1	100.0



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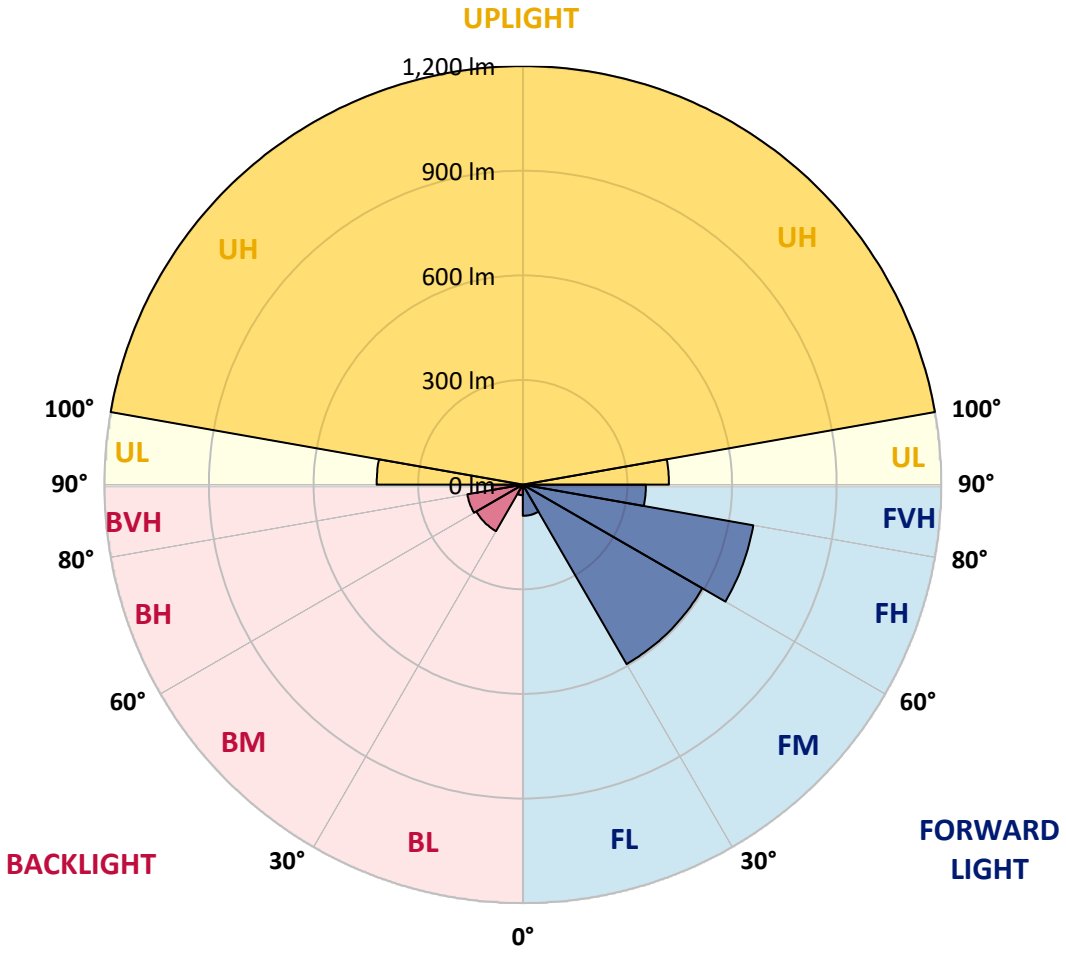
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	89.5	2.4			
FM	(30°-60°)	594.5	15.8			
FH	(60°-80°)	671.3	17.8			G1/1800
FVH	(80°-90°)	353.0	9.4			G3/500
BL	(0°-30°)	30.4	0.8	B0/110		
BM	(30°-60°)	154.0	4.1	B0/220		
BH	(60°-80°)	161.6	4.3	B1/500		G1/500
BVH	(80°-90°)	89.1	2.4			G1/100
UL	(90°-100°)	419.2	11.1		U3/500	
UH	(100°-180°)	1200.5	31.9		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	52.6	52.6	53.0	53.0	53.4	52.6	51.4	50.6	49.4	46.7	44.3
5°	73.1	73.5	72.8	73.1	73.5	71.6	68.8	65.2	60.1	55.4	50.2
7.5°	98.1	99.2	97.3	96.9	95.7	92.5	88.6	83.0	77.5	71.2	63.7
10°	125.3	124.9	122.6	119.8	119.0	115.1	109.9	104.8	96.5	88.6	80.7
12.5°	151.0	150.6	148.7	146.7	145.5	140.4	134.0	128.1	119.4	109.1	99.2
15°	177.9	178.3	176.4	175.2	172.8	167.7	162.5	153.8	145.1	133.3	121.4
17.5°	204.8	205.6	203.6	202.8	200.9	196.5	189.8	180.7	169.6	155.8	140.8
20°	234.5	235.3	234.1	231.3	228.9	224.2	218.3	206.8	194.5	180.3	160.9
22.5°	266.1	266.5	262.9	262.2	259.8	255.4	246.7	236.5	222.6	204.4	184.3
25°	297.3	297.3	296.6	295.8	292.2	287.1	278.4	265.7	250.3	230.9	207.2
27.5°	331.0	331.3	329.4	328.6	325.8	319.1	310.0	296.2	280.3	257.0	230.1
30°	366.5	366.1	364.2	362.6	361.4	354.7	344.4	330.2	310.4	283.5	256.2
32.5°	402.1	400.9	399.8	398.2	397.8	389.1	380.8	363.4	342.8	314.3	281.5
35°	438.5	435.7	434.9	435.3	433.4	426.2	414.0	397.0	373.3	343.6	306.4
37.5°	470.1	472.5	470.5	469.0	469.3	461.4	448.4	429.4	404.5	371.7	331.7
40°	505.3	503.7	503.7	503.7	502.6	495.4	481.6	460.6	432.2	397.4	353.9
42.5°	535.8	535.8	537.8	536.6	535.4	527.1	512.0	488.7	458.7	421.1	375.2
45°	567.0	566.2	568.6	567.0	566.2	557.5	541.7	517.6	486.0	444.8	396.6
47.5°	595.9	596.3	597.1	597.1	596.3	586.4	569.8	541.3	509.3	465.4	414.8
50°	620.8	622.8	625.1	623.6	624.3	613.7	595.1	566.2	529.1	484.8	431.0
52.5°	645.3	645.3	648.5	648.5	647.7	637.4	616.4	586.0	549.2	502.2	446.0
55°	666.3	666.7	669.4	669.8	669.4	657.6	635.4	602.6	564.2	516.8	458.3
57.5°	682.1	683.3	686.8	688.0	686.4	675.7	650.8	617.6	576.9	528.3	469.0
60°	696.3	697.9	701.8	703.4	702.2	690.8	664.7	629.1	587.2	538.1	478.0
62.5°	709.0	709.4	714.5	715.3	714.9	702.6	675.0	637.8	595.5	545.7	486.0
65°	718.1	719.2	724.8	726.0	725.2	712.1	683.3	644.9	602.2	552.0	491.9
67.5°	725.2	726.0	731.5	733.5	732.7	718.8	689.2	649.3	606.2	556.3	496.6
70°	729.1	730.3	736.6	738.2	737.4	723.6	692.7	651.2	608.5	559.5	499.8
72.5°	731.5	732.7	739.4	741.4	741.0	726.4	694.3	652.0	609.3	561.1	502.2
75°	732.7	733.9	740.6	743.4	742.2	727.5	694.7	651.6	608.9	562.3	504.1
76°	732.7	733.5	740.6	743.4	742.2	727.5	694.7	650.8	608.5	562.7	504.9
77.5°	731.9	733.1	740.2	742.6	741.8	727.1	693.5	649.3	607.3	561.9	505.3
80°	729.9	731.1	737.8	740.6	739.4	724.4	690.8	646.1	604.2	560.3	505.3
82.5°	725.6	726.8	733.1	735.1	734.7	719.6	685.6	640.6	599.4	557.5	504.5
85°	718.8	720.0	725.2	727.5	726.4	712.1	678.1	633.0	593.5	553.2	502.2
87.5°	709.8	710.5	716.1	716.9	716.5	702.2	668.6	623.6	585.6	547.2	498.2
90°	698.7	699.5	703.8	705.0	703.8	690.4	656.4	613.3	575.7	540.1	493.5
92.5°	687.2	686.8	690.0	691.2	690.0	676.5	643.7	601.0	565.4	532.2	487.5
95°	673.8	674.6	675.4	676.1	674.6	661.5	629.5	587.6	554.4	523.5	482.0
97.5°	658.7	658.3	659.1	659.1	657.6	644.5	613.3	574.5	541.7	514.0	474.5
100°	642.9	642.5	641.7	640.2	638.6	625.9	597.1	558.3	528.7	502.6	467.0
102.5°	625.5	623.2	620.8	620.4	616.8	606.2	578.5	542.9	514.8	491.9	457.5
105°	604.2	603.4	599.8	596.7	594.7	582.8	557.5	525.9	500.2	478.8	447.2
107.5°	582.4	580.9	575.7	574.5	570.6	559.9	537.0	508.9	485.6	465.8	434.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	559.1	558.3	552.8	*549.2*	546.1	534.2	514.4	490.7	469.3	451.2	421.1
112.5°	533.0	532.2	526.3	*523.5*	518.8	509.7	491.1	469.7	451.6	434.9	406.1
115°	506.5	506.1	499.4	*495.8*	491.5	480.4	465.4	448.8	432.6	416.0	387.9
117.5°	480.0	478.0	471.3	*467.0*	462.6	452.7	440.5	427.4	412.4	397.0	369.3
120°	450.0	449.6	442.1	*438.5*	434.6	425.5	414.8	402.5	390.7	375.2	350.7
122.5°	421.1	420.7	414.0	*409.6*	404.5	397.4	388.7	379.2	368.5	353.5	329.4
125°	391.8	391.1	383.9	*379.6*	375.2	369.3	361.0	354.3	345.6	331.3	308.4
127.5°	362.2	360.6	356.3	*351.9*	347.2	339.7	336.9	331.0	321.5	307.6	287.5
130°	334.5	333.7	327.8	*323.8*	319.1	313.2	310.8	306.0	299.3	286.7	267.7
132.5°	305.6	304.9	301.3	*297.3*	293.4	287.5	286.3	281.9	275.2	264.9	247.1
135°	279.9	279.2	275.2	*270.9*	268.9	264.5	262.9	259.4	253.1	242.8	227.4
137.5°	255.0	254.6	250.7	*247.1*	244.8	241.6	240.0	236.8	232.1	223.0	208.8
140°	232.5	230.5	227.4	*224.2*	221.8	218.7	217.9	215.1	211.5	202.8	192.6
142.5°	210.0	208.8	206.4	*203.6*	202.1	198.5	196.5	195.3	190.6	183.9	175.6
145°	187.8	187.8	185.8	*183.9*	181.5	179.1	177.5	176.4	172.4	166.5	158.6
147.5°	169.2	169.2	167.7	*166.9*	164.9	161.7	160.5	159.3	155.8	151.0	144.7
150°	153.4	152.6	151.4	*150.3*	148.7	145.9	143.9	142.7	140.0	136.4	130.5
152.5°	137.6	137.6	136.8	*135.2*	134.0	132.1	130.5	128.9	126.9	123.0	118.2
155°	124.2	124.2	123.0	*122.2*	121.4	119.8	118.2	116.6	114.3	111.1	107.6
157.5°	113.1	113.1	112.3	*111.9*	110.3	109.5	107.9	106.4	104.0	101.2	98.1
160°	102.8	103.2	102.8	*102.4*	101.2	100.0	98.5	96.9	94.9	92.5	90.2
162.5°	94.5	94.9	94.1	*93.7*	92.9	91.7	90.2	89.4	87.8	85.0	82.6
165°	87.4	87.4	87.0	*86.6*	86.2	84.6	83.8	83.0	81.5	79.5	77.5
167.5°	81.8	81.8	81.5	*81.5*	80.7	79.9	78.7	77.9	76.3	75.1	72.8
170°	77.1	77.1	76.7	*76.3*	75.9	75.1	74.3	73.1	72.4	70.8	69.6
172.5°	73.1	73.1	72.8	*72.4*	72.4	71.2	70.8	70.0	69.2	68.0	66.8
175°	70.0	69.6	69.6	*69.2*	68.8	68.0	67.6	67.2	66.4	66.0	65.2
177.5°	67.2	67.2	66.8	*66.8*	66.4	65.6	65.6	65.2	64.8	64.5	64.1
180°	63.7	63.7	63.7	*63.7*	63.7	63.7	63.7	63.7	63.7	63.7	63.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	43.1	41.9	38.7	36.0	34.0	31.2	28.9	28.1	27.7	27.3	27.3
5°	47.4	45.1	39.5	34.4	29.7	25.7	22.1	18.6	15.8	14.2	13.4
7.5°	59.7	56.9	49.4	42.7	36.0	30.1	24.1	19.8	15.8	13.4	13.4
10°	75.9	72.0	62.5	53.0	44.7	36.0	28.9	22.9	19.4	17.4	17.4
12.5°	92.9	87.8	76.7	64.5	53.0	43.1	34.4	28.1	24.1	22.5	22.5
15°	113.1	106.4	92.1	76.7	62.9	51.0	41.1	34.0	29.3	27.3	26.9
17.5°	132.5	123.8	106.8	89.4	72.8	58.5	47.1	38.0	32.8	30.1	29.7
20°	153.0	142.3	122.2	100.8	81.8	64.5	50.6	40.7	34.0	30.8	30.4
22.5°	172.0	160.5	136.4	111.5	89.0	68.8	52.6	41.1	33.6	30.1	29.7
25°	193.7	180.7	152.2	123.0	96.5	72.4	54.2	41.1	33.2	29.3	28.9
27.5°	215.9	200.5	168.4	134.4	103.2	76.3	55.4	41.1	32.4	28.5	28.1
30°	239.2	222.2	183.9	146.3	110.3	79.5	56.5	40.7	32.0	27.7	27.3
32.5°	262.9	243.2	200.9	157.8	117.4	82.6	57.3	40.7	31.2	27.3	26.5
35°	287.1	264.1	217.9	169.6	123.8	85.4	57.7	40.3	30.8	26.5	26.1
37.5°	308.4	284.7	233.7	180.3	129.7	87.4	58.1	39.9	30.4	26.1	25.7
40°	330.2	304.5	248.7	189.8	134.0	88.6	57.7	39.5	29.7	25.7	25.3
42.5°	349.9	322.3	262.5	198.9	138.0	89.8	57.3	38.7	29.3	25.3	24.9
45°	368.9	339.7	275.6	206.8	141.6	90.2	56.5	38.4	28.9	25.3	24.9
47.5°	386.3	354.7	288.3	214.3	144.7	90.2	56.1	37.6	28.9	25.3	24.9
50°	400.9	369.7	298.5	221.0	146.7	89.8	55.4	37.2	28.9	25.3	24.9
52.5°	415.2	382.0	308.8	226.2	147.9	89.0	54.2	36.8	28.9	25.7	25.3
55°	426.6	393.0	317.5	231.7	149.1	88.2	53.4	36.4	28.9	25.7	25.7
57.5°	436.5	402.1	324.2	235.3	149.1	86.6	52.6	36.4	29.3	26.5	26.1
60°	446.0	410.4	331.3	238.4	149.1	85.4	51.8	36.4	29.7	26.9	26.5
62.5°	452.3	417.2	336.9	241.2	148.3	84.2	51.0	36.4	30.1	27.7	27.3
65°	458.7	423.5	342.0	243.6	147.9	83.0	51.0	36.8	30.8	28.9	28.5
67.5°	463.4	428.6	345.6	245.2	147.1	81.8	50.6	37.6	32.0	30.1	29.7
70°	467.4	432.6	349.9	246.3	146.3	81.1	51.0	38.7	33.2	31.2	31.2
72.5°	470.5	436.1	352.3	247.5	145.5	80.7	51.8	39.9	35.2	33.2	32.8
75°	*472.5*	*438.1*	*354.7*	*247.9*	*144.7*	*80.3*	*52.6*	*41.5*	*36.8*	*35.2*	*34.8*
76°	472.9	438.9	355.5	248.3	144.3	80.3	53.0	41.9	37.6	36.0	35.6
77.5°	474.1	440.1	356.3	248.3	143.9	80.3	53.8	43.1	38.7	37.2	37.2
80°	474.9	440.9	357.4	248.7	143.1	80.3	55.0	45.1	41.1	39.5	39.1
82.5°	474.5	441.3	357.8	247.9	142.7	80.7	56.5	47.1	43.5	41.9	41.5
85°	472.9	440.1	357.1	246.7	141.6	81.5	58.1	49.4	45.5	43.9	43.9
87.5°	470.1	437.3	355.1	245.2	140.8	81.8	59.7	51.4	47.8	46.3	46.3
90°	466.2	434.2	352.7	243.6	139.6	82.2	61.7	53.4	50.2	49.0	48.6
92.5°	461.4	430.2	349.5	241.2	138.8	83.0	63.3	55.8	52.6	51.0	51.0
95°	456.7	425.9	346.0	238.4	138.0	84.2	64.8	57.7	54.6	53.4	53.4
97.5°	450.0	419.9	341.2	235.3	136.8	84.6	66.8	59.7	56.9	55.4	55.4
100°	441.7	413.2	335.7	232.1	136.0	85.8	68.4	61.7	58.9	57.7	57.3
102.5°	433.4	405.3	329.8	228.5	134.8	86.2	70.0	63.7	60.5	59.3	59.3
105°	423.9	396.6	322.3	223.8	133.6	87.0	71.2	64.8	62.1	60.9	60.5
107.5°	412.8	385.5	314.7	219.4	132.5	87.8	72.4	66.0	63.3	62.1	61.7

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

Scaled Data Report

REPORT NUMBER: P1045918
CATALOG NUMBER: FFX-CLB-40-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	400.1	375.2	305.6	214.7	131.7	89.0	73.5	66.8	64.1	62.5	62.5
112.5°	385.5	360.6	295.8	209.2	131.7	90.5	74.3	67.6	64.5	62.9	62.9
115°	368.1	345.2	283.9	204.0	131.3	92.1	75.9	68.0	64.5	63.3	62.9
117.5°	351.1	329.0	272.0	198.9	132.5	94.9	77.5	68.8	64.5	62.9	62.9
120°	332.1	312.0	259.8	193.7	134.0	97.7	79.5	69.2	64.5	62.5	62.5
122.5°	312.4	293.8	247.9	189.0	135.2	100.8	81.1	70.0	64.1	62.1	61.7
125°	293.8	275.2	234.5	184.3	136.4	103.6	83.0	70.4	63.7	61.3	60.9
127.5°	273.2	259.0	222.6	179.1	137.2	106.0	84.6	70.8	63.3	60.5	60.1
130°	255.4	241.6	210.8	173.6	136.4	106.8	85.0	70.4	62.5	59.7	59.7
132.5°	235.7	224.6	197.7	166.5	134.4	106.8	85.4	70.4	62.1	59.3	58.9
135°	218.3	208.0	185.4	158.6	130.9	105.2	84.6	70.0	61.7	58.9	58.5
137.5°	202.1	192.2	172.4	150.3	125.7	102.4	83.0	69.2	61.3	58.5	58.1
140°	184.7	177.5	160.5	141.2	120.2	99.2	81.1	68.4	61.3	58.5	58.1
142.5°	168.8	162.9	147.5	131.3	113.1	94.5	78.7	67.2	60.9	58.5	58.1
145°	154.6	147.9	136.0	121.4	106.0	90.2	76.3	66.4	60.5	58.5	58.1
147.5°	140.8	134.8	124.9	112.3	99.6	85.8	73.9	65.2	60.5	58.5	58.1
150°	126.9	123.0	114.3	104.0	92.5	81.5	71.6	64.5	60.5	58.9	58.5
152.5°	115.1	112.3	104.8	96.5	86.6	77.1	69.2	63.7	60.5	58.9	58.9
155°	105.2	102.4	96.1	88.6	81.5	73.5	67.6	62.9	60.5	59.3	58.9
157.5°	95.3	93.3	88.2	82.6	76.7	70.8	66.0	62.5	60.5	59.3	59.3
160°	87.8	85.8	81.8	77.5	72.8	68.4	64.5	61.7	60.5	59.7	59.7
162.5°	81.5	79.9	76.7	73.1	69.6	66.0	63.3	61.3	60.5	59.7	59.7
165°	76.3	75.1	72.4	69.6	67.2	64.5	62.5	61.3	60.5	60.1	60.1
167.5°	72.0	71.2	69.2	67.2	65.2	63.3	61.7	60.9	60.5	60.5	60.5
170°	68.8	68.0	66.8	65.2	63.7	62.5	61.3	60.9	60.9	60.5	60.9
172.5°	66.4	66.0	64.8	63.7	62.9	61.7	61.3	60.9	61.3	61.3	61.3
175°	64.8	64.5	63.7	62.9	62.5	61.7	61.7	61.3	61.7	62.1	62.1
177.5°	63.7	63.3	62.9	62.9	62.5	62.1	62.1	62.5	62.9	62.9	62.9
180°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-7

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

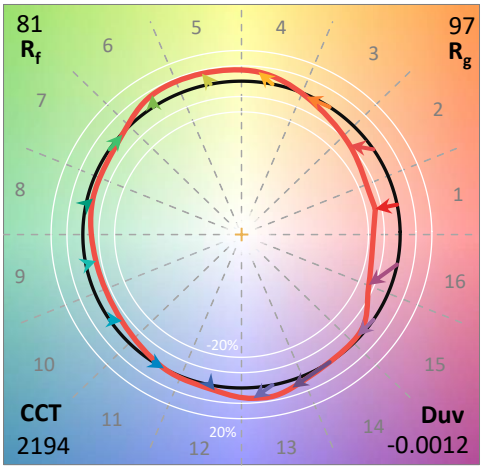
Test Information

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

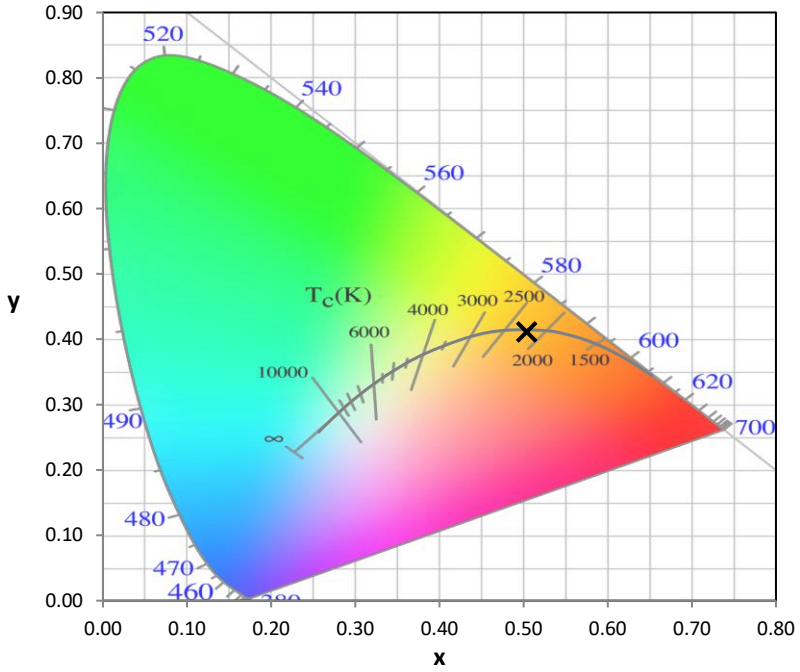
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

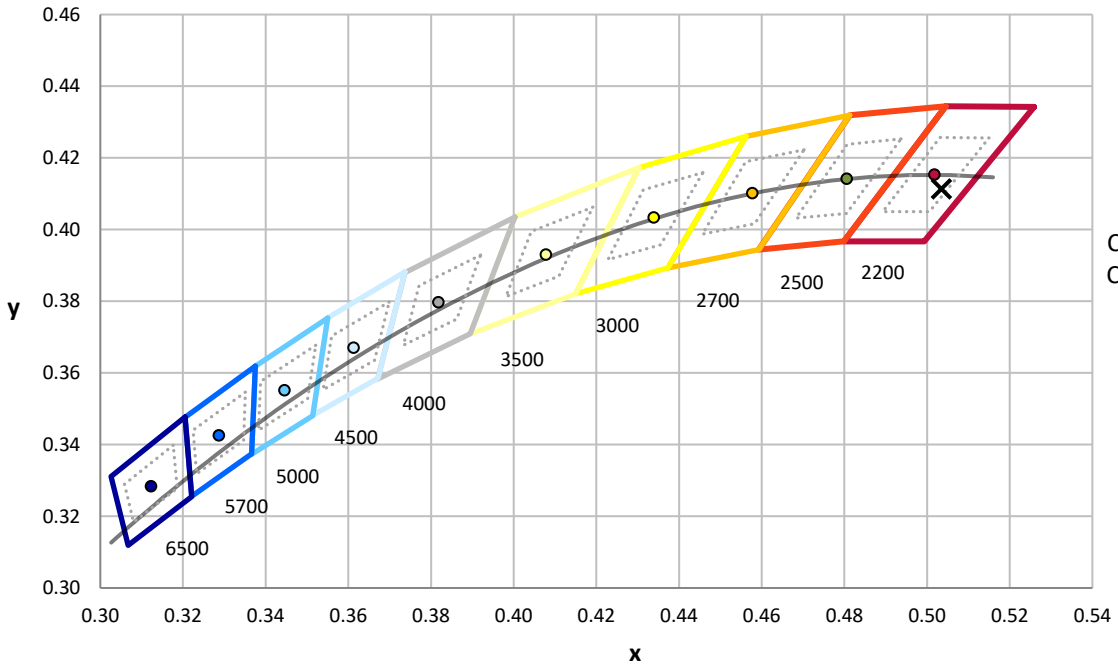
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

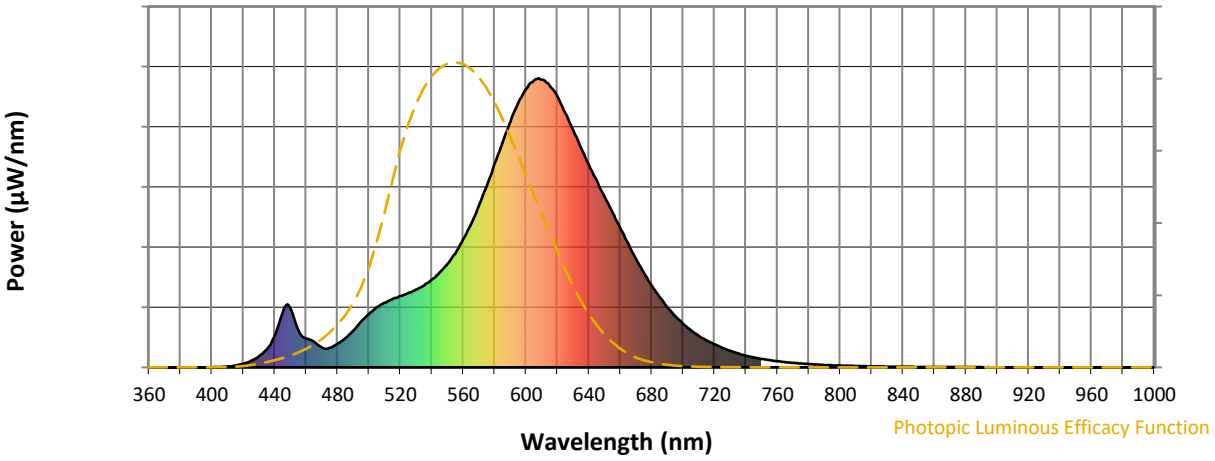


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

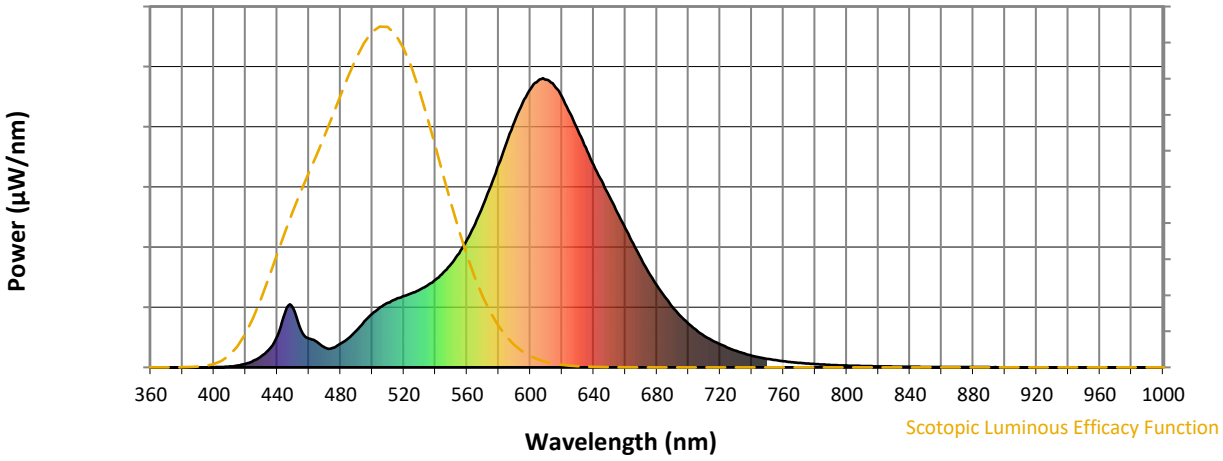


Photopic Lumens: NR

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

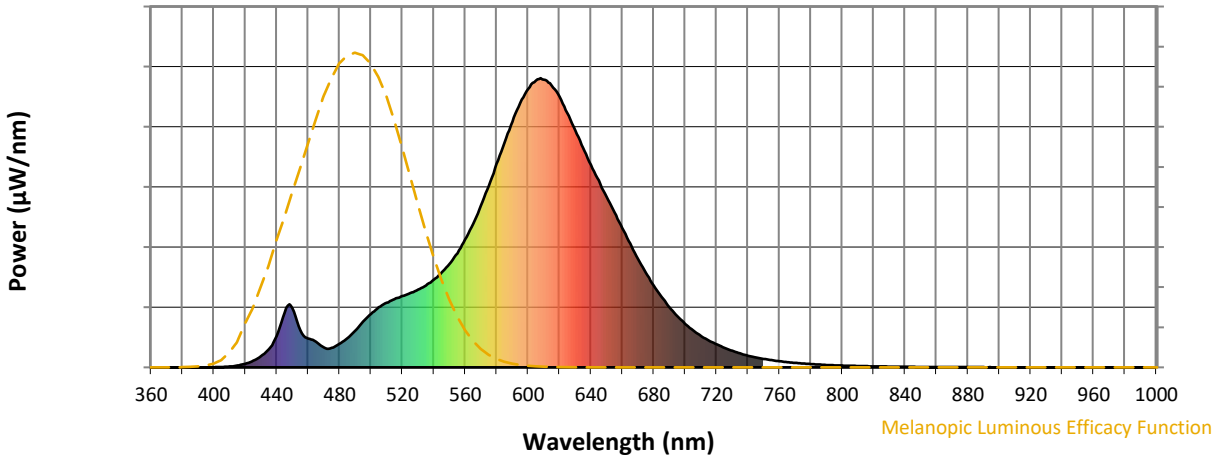


Scotopic Lumens: NR **S/P: 0.96**

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			

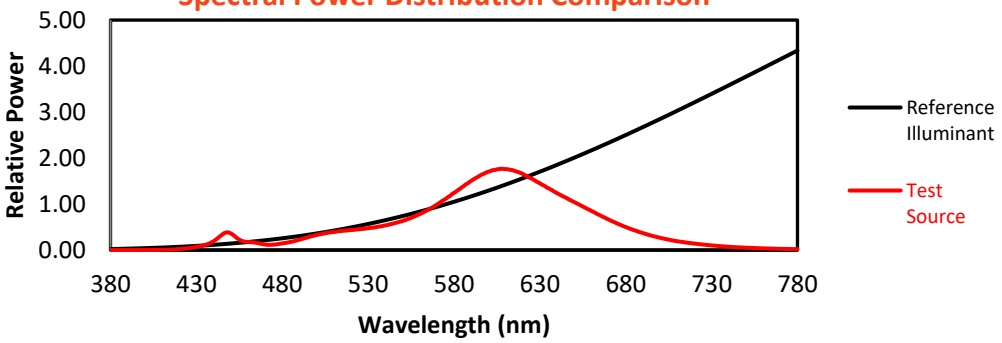
REPORT NUMBER: SP1-2501-332-7

TM-30-18

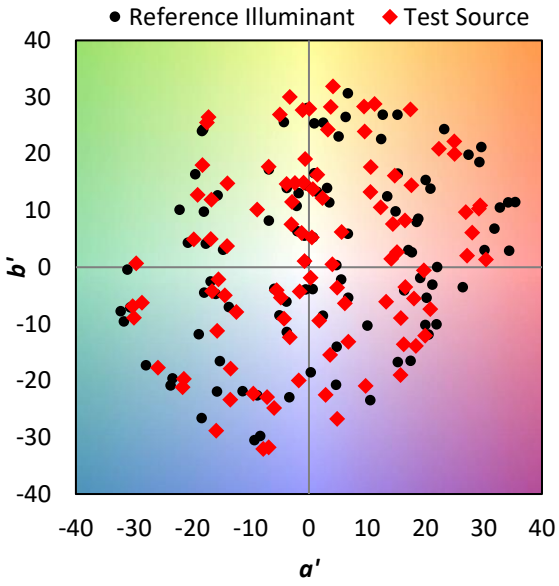
Summary

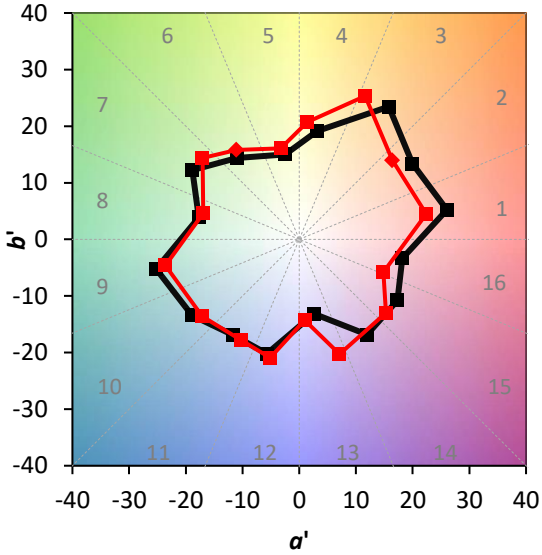
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

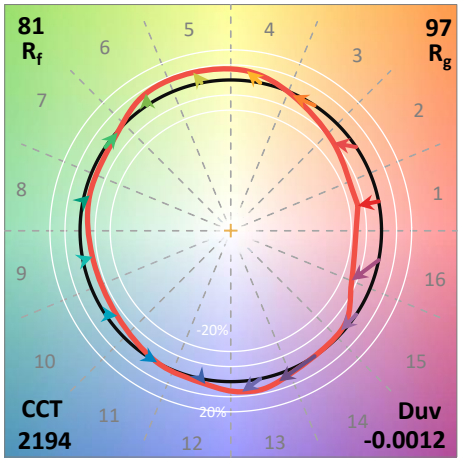
Spectral Power Distribution Comparison

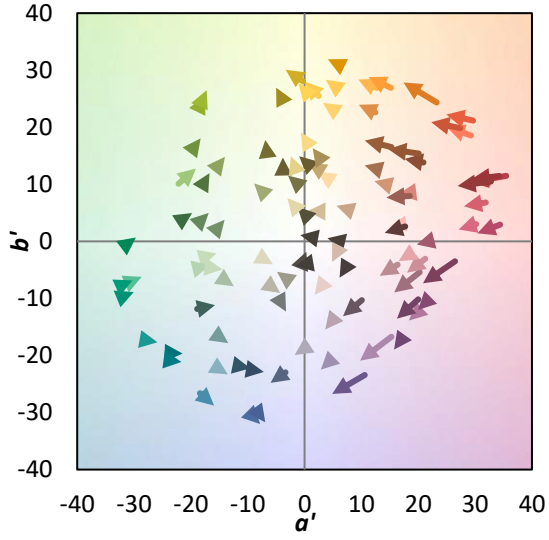


Color Vector Graphics







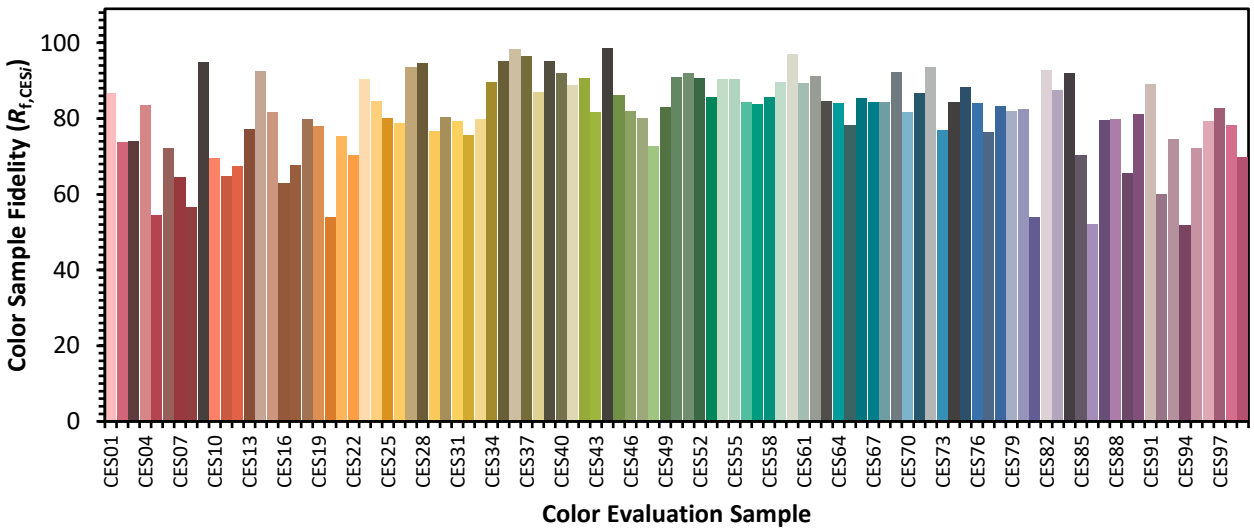


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

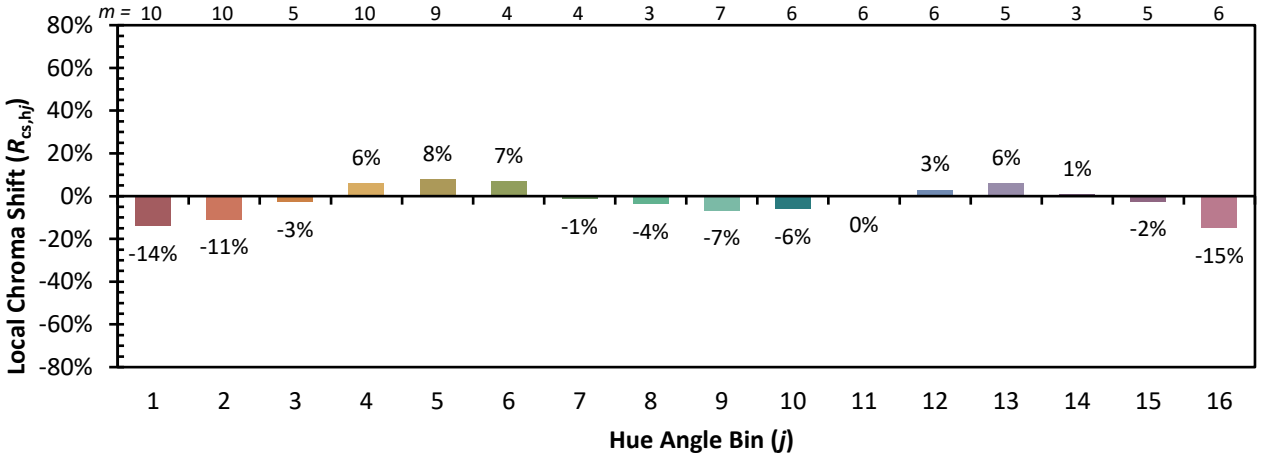
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57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

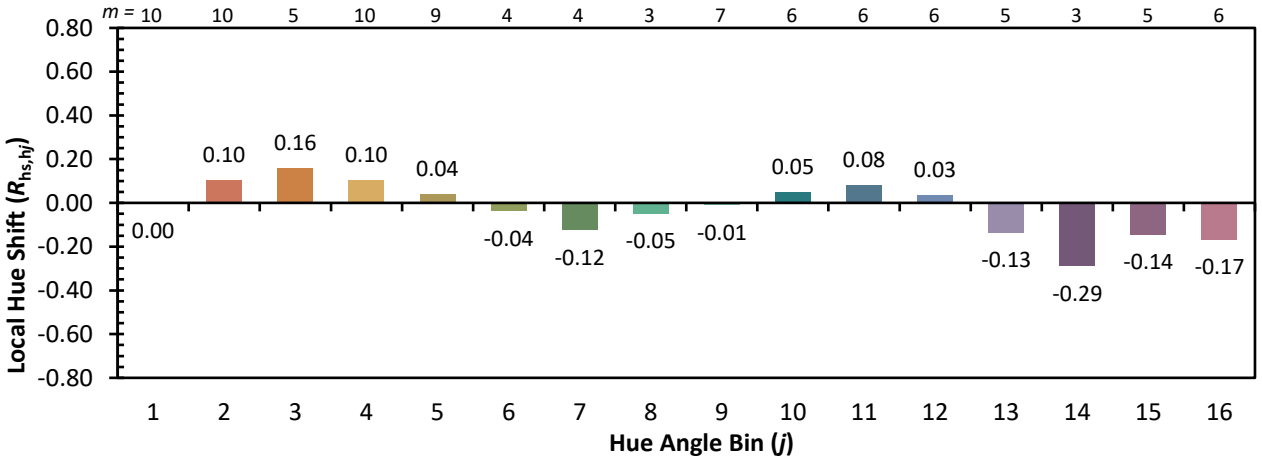


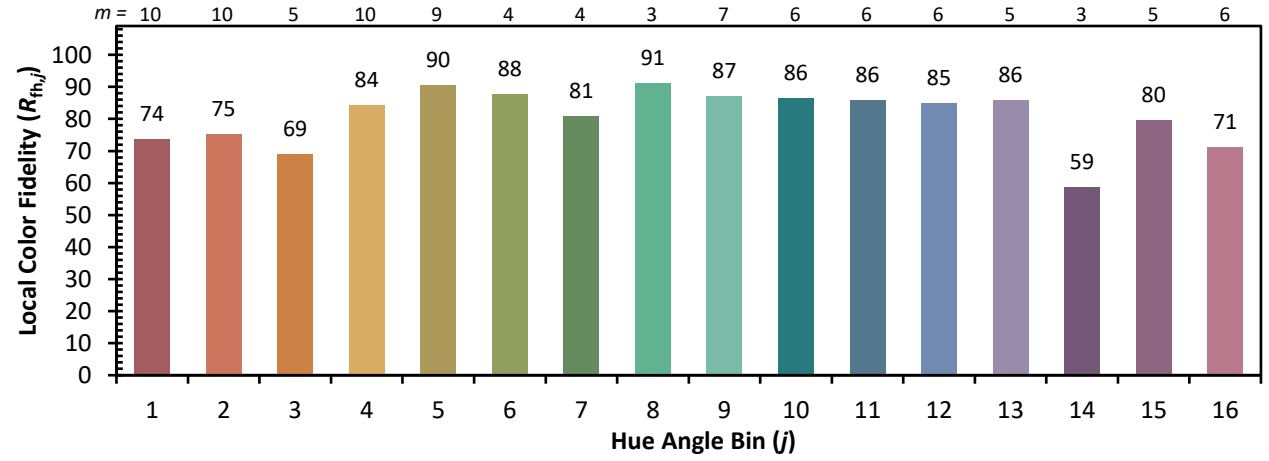
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Color Rendition by Hue-Angle Bin



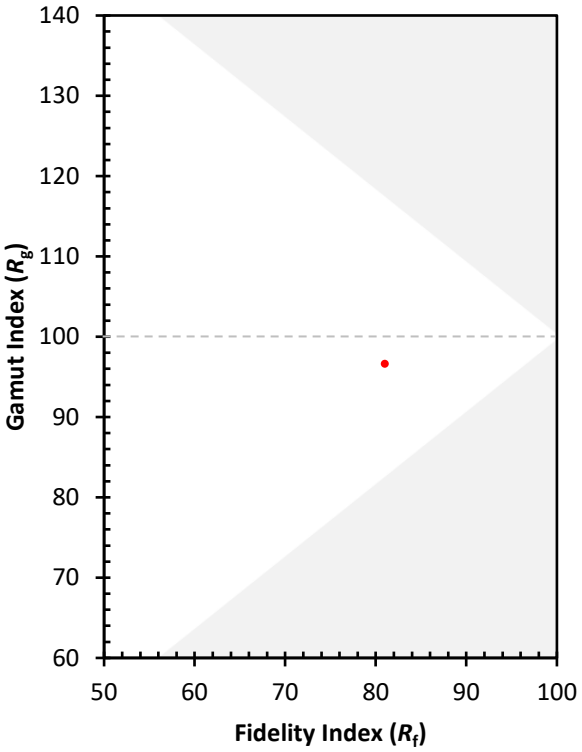


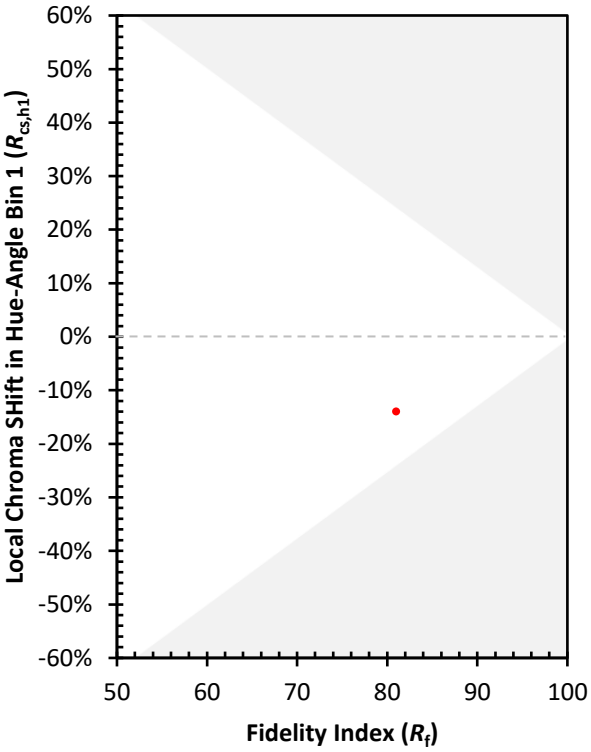


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Measure Comparisons





(END OF REPORT)