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: P1045891

Luminaire Tested: **FFX-CLB-40-730-U-VM9-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045891
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4270.9 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
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

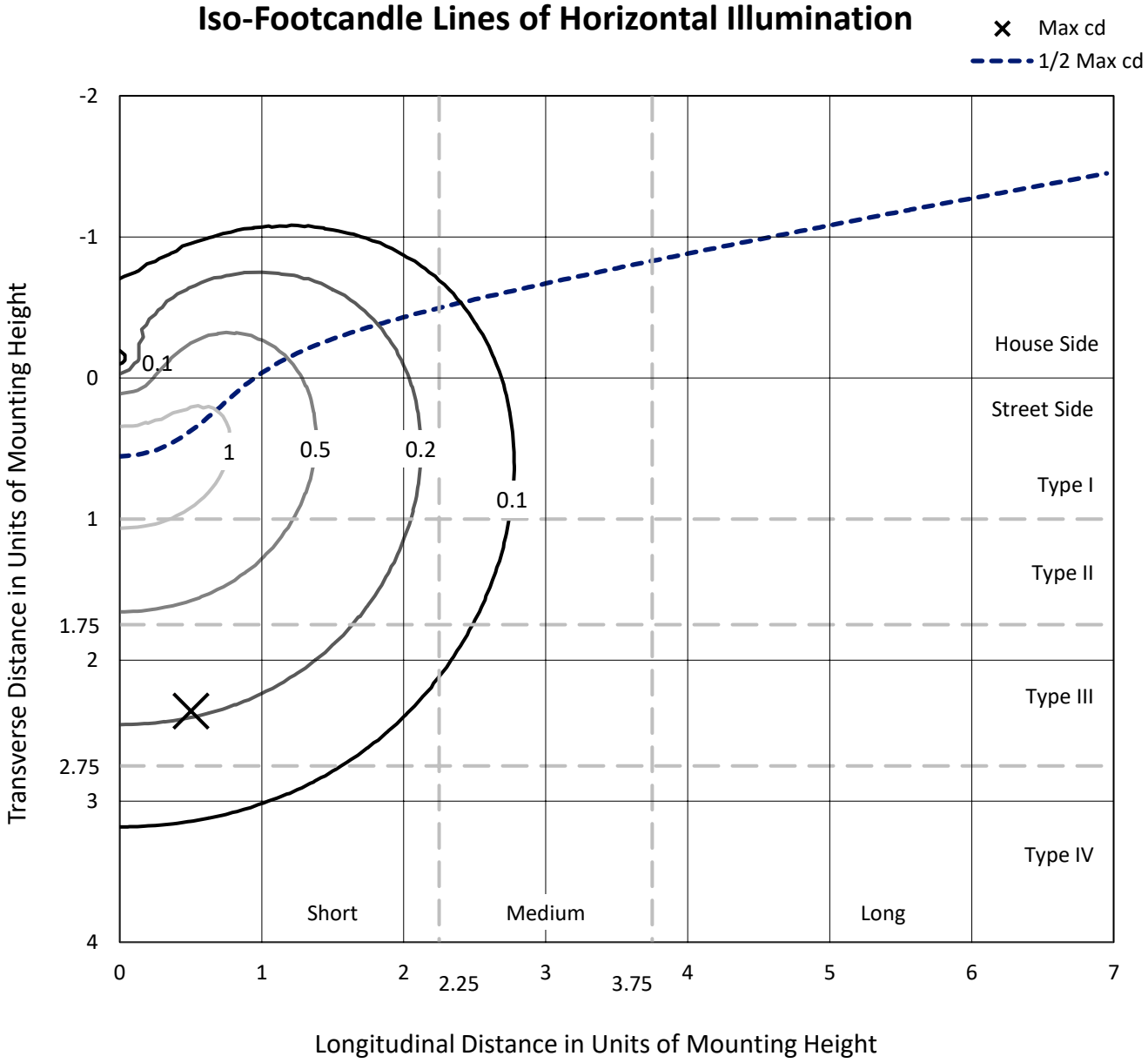


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Iso-Footcandle Lines of Horizontal Illumination



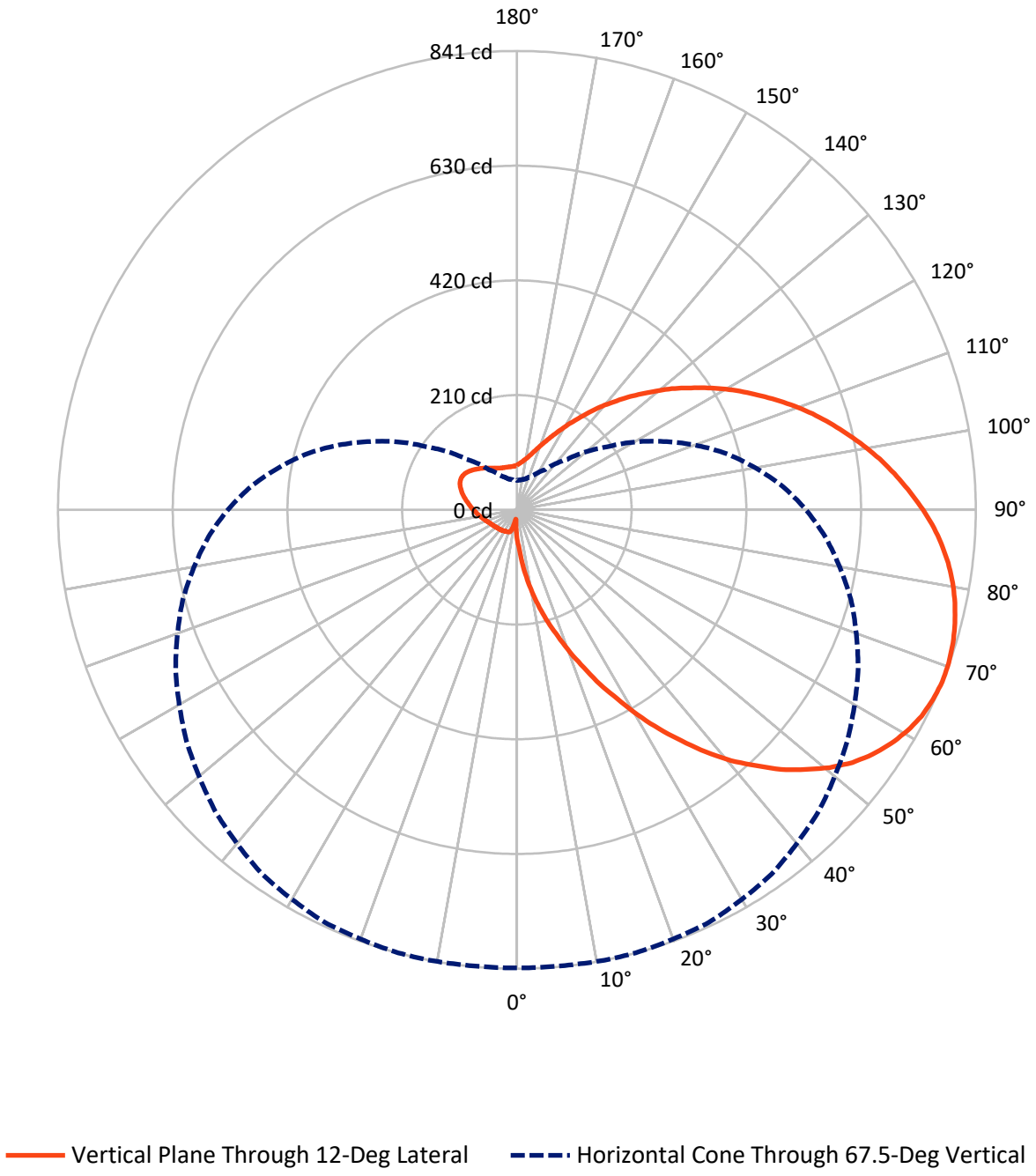
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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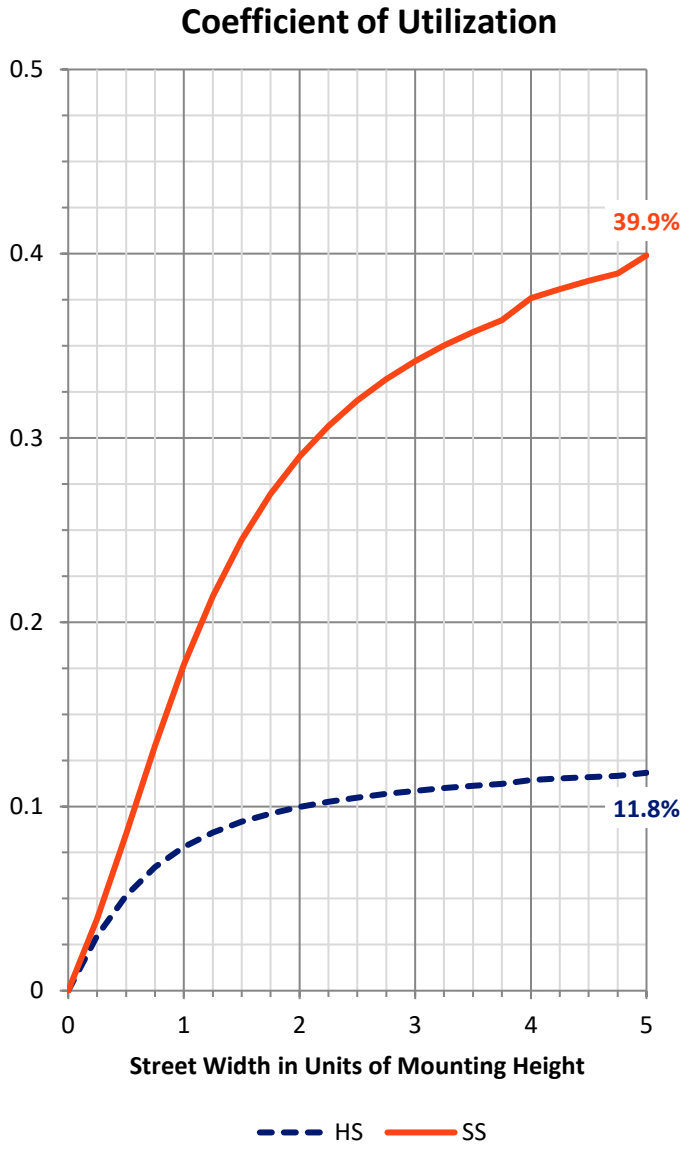
REPORT NUMBER: P1045891
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.6	532.0	1081.6
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	1943.3	1246.1	3189.3
	% Fixture	45.5	29.2	74.7
Total	Lumens	2492.9	1778.0	4270.9
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	38.0	0.9
20°-30°	99.1	2.3
30°-40°	192.4	4.5
40°-50°	302.1	7.1
50°-60°	400.9	9.4
60°-70°	467.2	10.9
70°-80°	496.4	11.6
80°-90°	490.1	11.5
90°-100°	451.9	10.6
100°-110°	394.4	9.2
110°-120°	324.2	7.6
120°-130°	245.5	5.7
130°-140°	167.7	3.9
140°-150°	102.8	2.4
150°-160°	56.4	1.3
160°-170°	27.2	0.6
170°-180°	8.0	0.2
0°-90°	2492.9	58.4
0°-180°	4270.9	100.0



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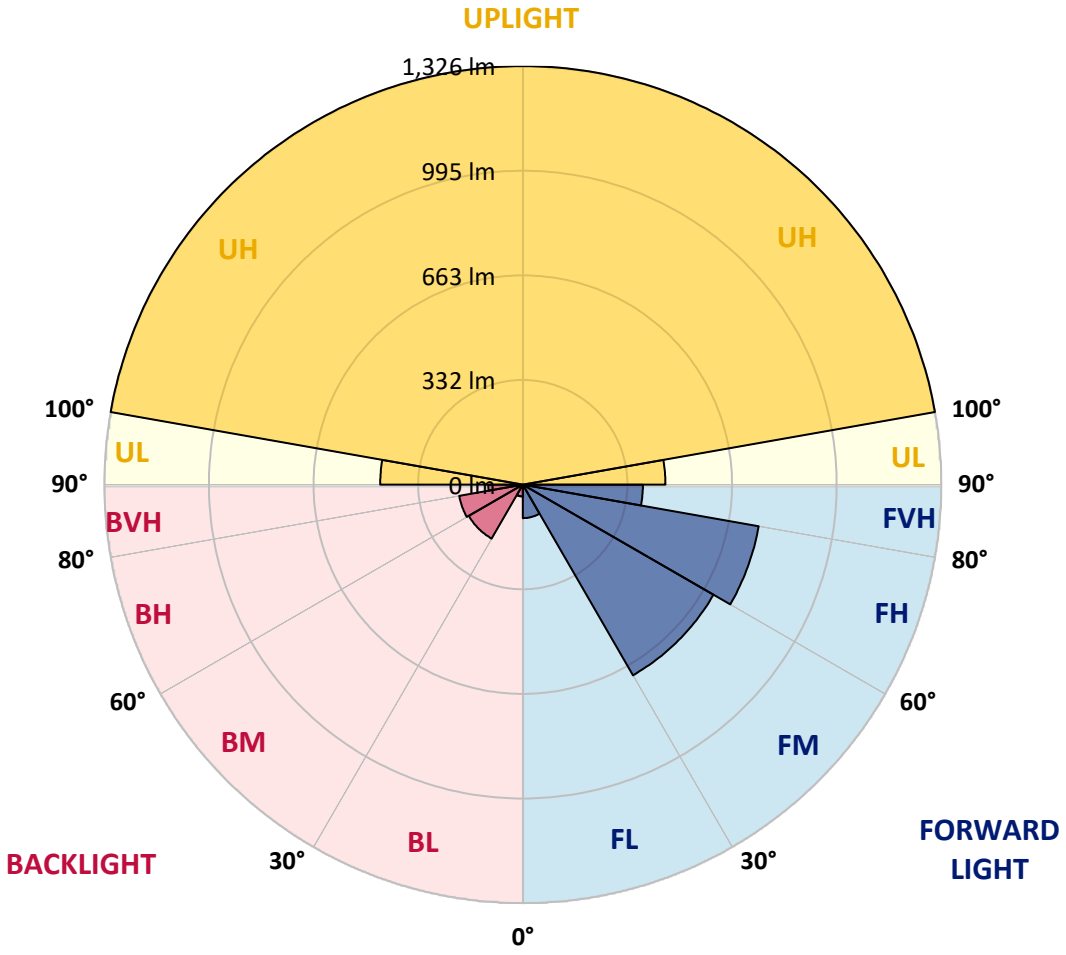
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	106.1	2.5			
FM	(30°-60°)	697.8	16.3			
FH	(60°-80°)	759.0	17.8			G1/1800
FVH	(80°-90°)	380.4	8.9			G3/500
BL	(0°-30°)	37.6	0.9	B0/110		
BM	(30°-60°)	197.6	4.6	B0/220		
BH	(60°-80°)	204.7	4.8	B1/500		G1/500
BVH	(80°-90°)	109.7	2.6			G2/225
UL	(90°-100°)	451.9	10.6		U3/500	
UH	(100°-180°)	1326.1	31.1		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	54.0	54.0	*54.0*	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
2.5°	67.7	69.1	*67.7*	69.5	68.6	68.6	66.2	63.9	60.6	56.9	53.6
5°	95.8	95.4	*93.5*	95.4	93.5	91.1	87.4	81.3	75.2	69.5	62.5
7.5°	125.0	125.4	*124.0*	123.6	119.3	116.1	109.9	103.8	96.3	87.9	79.4
10°	156.5	155.5	*153.2*	153.6	148.9	142.4	135.3	128.3	119.8	109.9	99.1
12.5°	185.6	185.6	*183.7*	184.2	179.0	171.5	165.9	156.5	146.1	134.4	121.2
15°	216.6	214.7	*213.8*	213.8	208.6	202.0	195.9	185.6	173.4	160.2	145.2
17.5°	245.3	244.8	*243.8*	244.3	239.6	234.0	224.1	213.8	199.2	183.2	167.7
20°	281.9	280.0	*278.6*	276.3	273.4	265.9	256.5	242.9	228.3	211.0	190.3
22.5°	315.3	317.6	*313.9*	312.0	308.2	302.1	288.5	275.3	257.9	237.7	215.2
25°	353.8	355.7	*354.3*	351.9	346.7	338.3	325.6	311.0	290.4	267.3	240.6
27.5°	394.2	395.6	*391.8*	392.8	383.9	375.9	363.2	345.3	325.6	298.3	270.2
30°	434.1	437.0	*435.5*	432.3	424.7	417.7	402.7	383.9	361.3	331.2	298.8
32.5°	481.1	477.8	*478.3*	474.5	469.8	458.6	445.4	424.3	398.0	366.0	328.9
35°	524.8	523.4	*519.6*	521.5	513.5	503.2	486.8	464.2	435.5	400.3	359.4
37.5°	563.8	565.2	*562.9*	561.5	556.3	544.5	525.3	502.3	469.4	432.3	387.6
40°	603.7	604.7	*604.2*	604.2	597.2	584.0	564.3	538.4	504.6	464.7	416.3
42.5°	641.8	642.7	*640.4*	640.9	635.2	621.6	600.5	573.2	535.6	493.8	441.2
45°	678.5	678.5	*678.5*	678.0	670.0	657.3	635.7	604.7	567.1	519.6	464.2
47.5°	712.3	711.3	*710.9*	710.9	705.7	690.7	667.6	633.8	592.9	543.1	486.8
50°	742.4	742.8	*742.4*	741.4	733.4	721.2	695.4	660.1	616.9	565.7	505.5
52.5°	768.2	768.7	*769.1*	766.8	761.6	747.0	718.4	680.8	637.1	583.5	521.1
55°	788.9	789.8	*790.7*	789.8	784.6	767.3	738.6	700.5	653.6	598.6	534.7
57.5°	808.1	807.7	*808.1*	807.2	801.6	784.6	755.0	714.2	666.7	610.8	545.0
60°	821.3	821.8	*821.8*	821.8	815.2	797.8	766.3	724.5	676.1	620.2	553.9
62.5°	830.2	830.7	*832.1*	831.2	825.0	806.7	774.3	732.0	683.2	626.3	560.1
65°	836.3	836.8	*837.7*	836.8	831.2	812.4	779.5	736.7	687.8	631.0	564.3
67.5°	*839.1*	*839.1*	*840.5*	*840.1*	*833.5*	*814.2*	*781.3*	*738.6*	*689.7*	*633.3*	*567.1*
70°	837.7	838.2	*839.1*	838.7	832.1	812.8	779.9	737.7	689.3	633.3	567.6
72.5°	834.4	834.4	*835.4*	834.4	828.3	809.1	776.6	734.8	686.9	632.4	567.1
75°	827.9	828.3	*828.8*	828.3	821.8	803.0	771.0	729.7	683.2	629.1	565.2
77.5°	819.9	820.3	*820.3*	820.3	813.3	794.5	763.5	723.1	678.0	625.4	561.9
80°	808.1	808.6	*809.5*	808.6	801.6	784.6	753.6	715.1	671.4	619.3	557.7
82.5°	795.0	794.5	*795.9*	795.4	788.4	771.5	740.9	704.3	661.5	612.2	551.6
85°	778.5	778.5	*779.5*	778.5	772.4	754.6	725.9	691.1	650.3	601.9	544.1
87.5°	760.2	760.2	*761.1*	759.3	752.2	736.7	709.5	675.6	638.0	591.5	535.6
90°	738.6	739.5	*739.5*	738.1	731.1	716.0	691.1	658.7	622.1	578.8	525.8
92.5°	717.9	717.9	*717.0*	717.0	709.5	694.4	671.4	641.8	607.5	566.2	514.9
95°	695.8	695.8	*694.4*	693.5	686.0	673.3	651.2	624.0	591.1	553.0	504.1
97.5°	672.3	671.9	*670.9*	670.0	662.5	650.3	630.5	604.2	574.1	538.0	492.4
100°	648.4	648.9	*645.6*	645.1	637.6	627.2	608.4	584.0	556.3	522.5	479.7
102.5°	622.1	623.0	*620.2*	619.7	612.2	600.9	585.9	563.8	538.9	507.9	467.0
105°	598.6	596.2	*594.8*	593.9	587.3	577.0	561.0	543.6	520.1	491.0	452.9
107.5°	571.8	572.3	*569.4*	567.6	561.0	552.5	538.4	522.5	501.8	474.1	439.3
110°	545.0	544.1	*542.7*	541.7	534.2	526.7	514.5	501.3	481.1	457.2	424.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	517.3	517.8	*515.4*	514.0	508.8	500.9	491.9	479.2	461.9	439.3	408.8
115°	491.5	490.5	*488.6*	487.7	482.1	475.9	467.0	457.6	442.1	420.5	392.8
117.5°	465.1	463.3	*462.8*	461.4	457.2	451.0	444.0	436.0	421.0	402.2	375.9
120°	437.9	437.9	*437.0*	436.0	430.4	425.2	421.0	412.5	399.8	382.0	359.4
122.5°	412.5	412.1	*410.2*	408.8	405.9	401.2	396.1	389.5	378.2	362.2	340.6
125°	384.8	385.7	*384.3*	383.9	379.2	376.8	372.1	367.9	356.1	341.6	322.3
127.5°	361.8	360.4	*360.4*	358.0	355.7	353.3	349.6	343.9	335.9	320.9	303.0
130°	337.3	336.4	*335.0*	335.0	332.2	328.9	326.5	321.8	312.9	300.7	283.8
132.5°	312.9	312.0	*311.0*	309.6	307.7	307.3	304.9	299.8	291.3	280.5	265.9
135°	289.9	289.4	*289.0*	289.0	286.1	284.7	281.9	277.7	272.0	262.2	248.1
137.5°	268.3	266.9	*265.9*	265.9	265.0	262.6	260.3	257.0	250.9	242.9	230.2
140°	245.7	246.7	*246.7*	246.2	244.3	242.9	240.1	237.3	231.2	224.6	213.8
142.5°	226.9	226.5	*225.5*	225.1	224.1	222.2	220.8	217.5	213.8	206.7	197.3
145°	206.7	206.7	*206.3*	206.7	204.9	204.4	202.5	199.7	195.5	189.3	181.4
147.5°	188.9	188.9	*188.4*	188.9	187.5	186.1	184.6	182.8	179.0	174.3	167.3
150°	172.4	172.9	*172.0*	172.0	171.5	170.1	169.1	166.3	163.5	159.7	153.6
152.5°	157.4	157.9	*157.4*	156.9	156.5	155.5	154.1	152.2	149.4	146.1	141.0
155°	144.7	144.2	*144.2*	144.2	143.8	142.4	142.4	139.5	136.7	134.4	129.2
157.5°	132.5	132.5	*132.5*	132.5	131.6	131.1	130.1	127.8	126.4	123.1	119.3
160°	122.6	122.2	*122.2*	122.2	121.2	120.7	119.3	118.4	116.5	113.7	110.9
162.5°	112.8	113.2	*113.2*	113.2	112.3	111.8	110.9	109.9	108.5	105.7	103.8
165°	105.2	105.2	*105.2*	104.8	104.3	104.3	102.9	102.4	101.0	99.1	97.7
167.5°	99.1	99.1	*98.7*	99.1	98.2	97.3	96.8	95.8	94.9	94.0	92.6
170°	94.0	94.0	*94.0*	94.0	93.5	93.0	92.1	91.6	90.7	89.7	88.3
172.5°	89.7	89.7	*89.7*	89.7	89.3	88.8	87.9	87.4	86.9	86.0	85.0
175°	86.5	86.5	*86.5*	86.5	86.0	85.5	84.6	84.6	84.1	83.6	82.7
177.5°	84.1	84.1	*83.6*	83.6	83.2	82.7	82.7	82.2	82.2	81.8	81.3
180°	81.3	81.3	*81.3*	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
2.5°	51.7	49.8	46.5	43.7	40.4	38.1	35.7	35.2	35.2	36.2	36.2
5°	59.7	55.4	48.9	42.8	35.7	30.5	25.8	21.6	18.8	17.4	17.4
7.5°	74.7	71.4	61.5	53.1	44.6	36.6	29.1	22.6	17.9	14.6	14.1
10°	94.0	88.8	77.1	66.2	55.0	45.1	36.2	28.2	22.6	19.7	19.7
12.5°	114.6	107.6	93.5	80.3	67.2	54.5	44.2	36.2	30.5	27.7	26.8
15°	136.7	128.7	111.8	94.9	78.9	65.3	53.6	43.7	38.1	35.2	34.8
17.5°	157.4	148.5	129.2	109.0	90.7	74.2	60.1	49.8	42.8	39.5	39.0
20°	179.9	168.2	145.7	122.2	100.5	80.8	64.8	52.6	44.2	40.4	39.9
22.5°	203.0	189.3	162.6	135.3	109.5	86.9	68.1	54.0	44.6	40.4	39.9
25°	227.4	212.4	180.9	149.4	119.3	93.0	71.4	55.4	45.6	40.4	39.9
27.5°	253.2	236.3	200.2	164.4	129.2	99.1	74.7	57.3	46.0	40.9	39.9
30°	281.0	261.7	219.9	179.0	138.6	104.8	77.5	58.3	46.5	40.9	40.4
32.5°	308.7	285.2	241.5	193.1	148.5	109.9	80.3	59.7	47.0	41.3	40.9
35°	335.5	312.4	261.2	207.7	157.9	115.1	82.7	60.6	47.9	41.8	40.9
37.5°	362.7	337.8	280.0	221.3	166.3	119.3	84.6	61.5	48.4	42.3	41.3
40°	388.6	359.4	298.3	234.5	173.4	123.1	86.0	62.0	48.9	42.8	41.8
42.5°	413.0	382.0	315.7	245.7	180.4	125.9	87.4	63.0	49.3	43.2	42.8
45°	433.7	401.7	330.8	257.0	185.6	128.3	88.3	63.4	49.8	43.7	43.2
47.5°	453.9	419.6	344.9	265.9	190.8	130.6	88.8	63.9	50.3	44.6	44.2
50°	471.7	435.5	357.5	273.9	194.5	131.6	89.3	64.4	51.2	45.6	45.1
52.5°	486.8	449.2	367.4	280.5	197.3	132.5	89.3	64.4	51.7	46.5	46.0
55°	499.0	460.9	376.3	285.2	199.2	133.0	89.3	64.8	52.6	47.5	47.0
57.5°	509.3	469.8	383.4	289.4	201.1	133.0	89.3	65.3	53.6	48.4	47.9
60°	516.8	477.4	388.6	292.2	201.6	132.5	89.3	65.8	54.5	49.8	49.3
62.5°	522.9	482.5	392.8	294.1	201.6	131.6	89.3	66.2	55.4	51.2	50.7
65°	527.2	486.3	395.6	295.1	201.1	131.1	89.3	67.2	56.9	52.6	52.2
67.5°	*529.5*	*489.1*	*397.5*	*296.0*	*200.6*	*131.1*	*89.7*	*68.6*	*58.3*	*54.5*	*54.0*
70°	530.5	489.6	398.0	295.5	200.2	130.1	90.2	69.5	60.1	56.4	55.9
72.5°	530.5	490.0	398.0	295.5	199.2	130.6	90.7	70.9	62.0	58.3	57.8
75°	529.0	488.6	397.5	294.6	198.7	130.1	92.1	72.8	63.9	60.6	60.1
77.5°	526.2	486.8	396.1	293.2	198.3	130.6	93.0	74.7	66.2	63.0	63.0
80°	522.9	483.9	394.2	291.8	197.8	131.6	94.4	77.1	68.6	65.8	65.3
82.5°	517.8	479.7	390.9	289.9	196.9	132.0	96.3	79.4	71.4	68.1	68.1
85°	510.7	473.6	386.7	287.5	195.9	133.0	98.2	81.3	74.2	70.9	70.9
87.5°	503.2	467.0	381.5	284.7	195.5	133.9	100.5	84.1	76.6	73.8	73.3
90°	494.3	459.0	376.3	281.4	195.0	135.3	102.4	86.9	79.9	77.1	76.6
92.5°	484.9	451.0	370.7	279.1	194.5	136.7	105.2	90.2	83.2	80.3	79.9
95°	475.5	442.6	365.1	275.8	194.5	138.6	108.1	93.5	86.5	83.6	83.2
97.5°	464.7	433.2	358.5	273.0	194.5	141.0	111.4	96.8	89.7	86.9	86.9
100°	453.4	423.8	351.9	270.2	195.0	143.3	114.6	100.5	93.5	90.7	90.7
102.5°	442.1	413.5	345.8	267.8	195.9	146.6	118.9	104.8	97.7	94.9	94.4
105°	429.9	403.1	338.8	264.5	196.9	149.4	122.6	108.5	101.5	98.7	98.7
107.5°	417.7	392.3	331.7	262.2	197.8	152.2	126.9	112.8	105.7	102.4	102.4
110°	404.1	380.6	324.2	259.4	198.7	155.5	130.1	116.5	109.0	106.2	105.7

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

Scaled Data Report

REPORT NUMBER: P1045891
CATALOG NUMBER: FFX-CLB-40-730-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	390.0	368.8	316.2	255.6	199.2	158.3	133.9	120.3	112.8	109.5	109.0
115°	374.9	355.7	307.3	251.8	199.2	160.7	136.7	123.1	115.6	112.3	111.8
117.5°	359.9	341.6	297.4	246.7	198.7	162.1	139.1	125.0	117.5	114.2	113.7
120°	343.9	327.5	287.5	241.5	196.9	162.6	140.0	126.4	118.4	115.1	114.6
122.5°	327.5	312.4	275.8	234.5	194.0	162.1	140.0	126.4	118.4	114.6	114.2
125°	309.6	296.5	263.6	226.0	189.8	160.2	139.1	125.4	117.5	113.7	112.8
127.5°	292.2	280.5	250.9	217.5	184.6	157.4	137.2	123.6	115.6	111.8	111.4
130°	275.3	263.6	237.7	208.1	178.5	153.6	133.9	120.7	113.2	109.0	108.5
132.5°	257.5	246.7	224.6	198.3	171.5	148.9	130.6	117.9	109.9	106.7	105.7
135°	239.6	231.2	211.0	187.9	164.4	143.8	126.9	114.6	107.1	103.4	103.4
137.5°	223.6	215.2	197.3	177.6	156.9	137.7	122.2	110.9	103.8	100.5	100.1
140°	207.2	200.6	184.6	167.3	148.9	132.0	118.4	107.6	101.0	97.7	97.3
142.5°	191.7	185.1	172.4	156.5	141.0	125.9	113.7	103.8	97.7	94.9	94.4
145°	176.2	171.5	159.3	146.6	133.0	119.8	108.5	100.1	94.9	92.1	92.1
147.5°	162.6	158.3	147.5	136.7	125.0	114.2	104.3	96.8	92.1	89.7	89.3
150°	149.4	145.7	136.7	127.8	117.0	108.1	99.6	93.5	89.3	87.4	86.9
152.5°	137.2	134.4	126.9	119.3	110.4	102.4	95.8	90.7	86.9	85.0	85.0
155°	126.9	124.5	117.9	111.4	104.3	97.7	92.1	87.9	85.0	83.6	83.2
157.5°	117.9	115.1	109.9	104.8	99.1	93.5	89.3	85.5	83.6	82.2	82.2
160°	109.5	107.1	102.9	99.1	94.4	90.2	86.5	84.1	82.2	81.3	81.3
162.5°	102.4	100.5	97.3	94.0	90.7	87.4	84.6	82.7	81.3	80.3	80.3
165°	96.3	95.4	92.6	90.2	87.4	85.0	83.2	81.8	80.8	80.3	80.3
167.5°	91.6	90.7	88.8	86.9	85.0	83.2	81.8	80.8	80.3	79.9	79.9
170°	87.9	86.9	86.0	84.6	83.2	81.8	80.8	80.3	79.9	79.9	79.9
172.5°	85.0	84.1	83.6	82.7	81.8	80.8	80.3	79.9	79.9	79.9	79.9
175°	82.7	82.2	81.8	81.3	80.8	80.3	79.9	79.9	79.9	79.9	79.9
177.5°	81.3	80.8	80.8	80.3	80.3	79.9	79.9	80.3	80.3	80.3	80.8
180°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

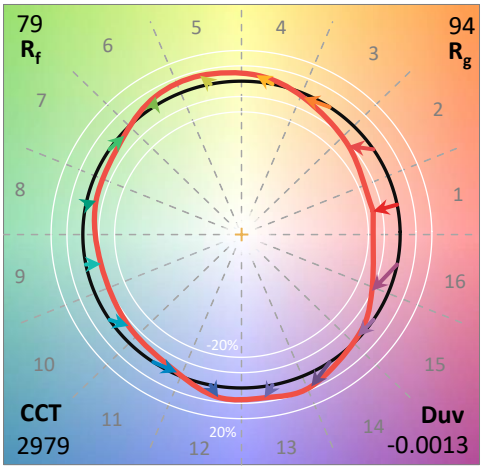
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-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):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

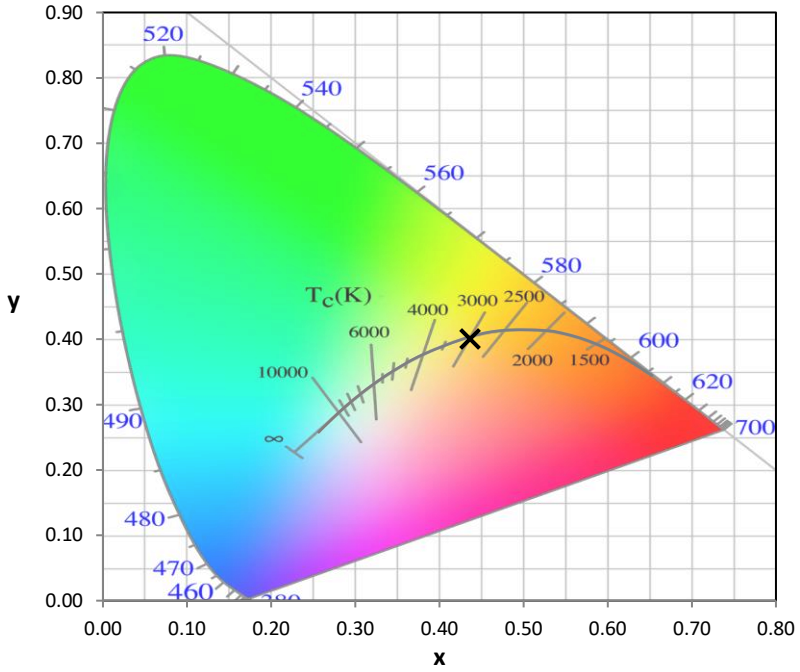
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

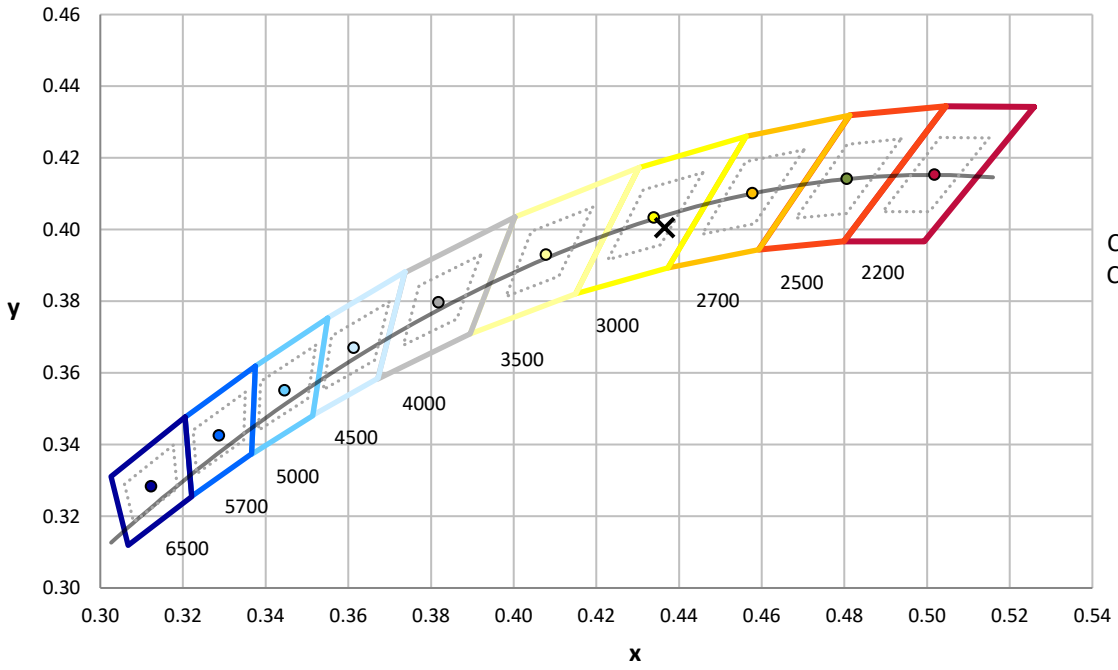
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

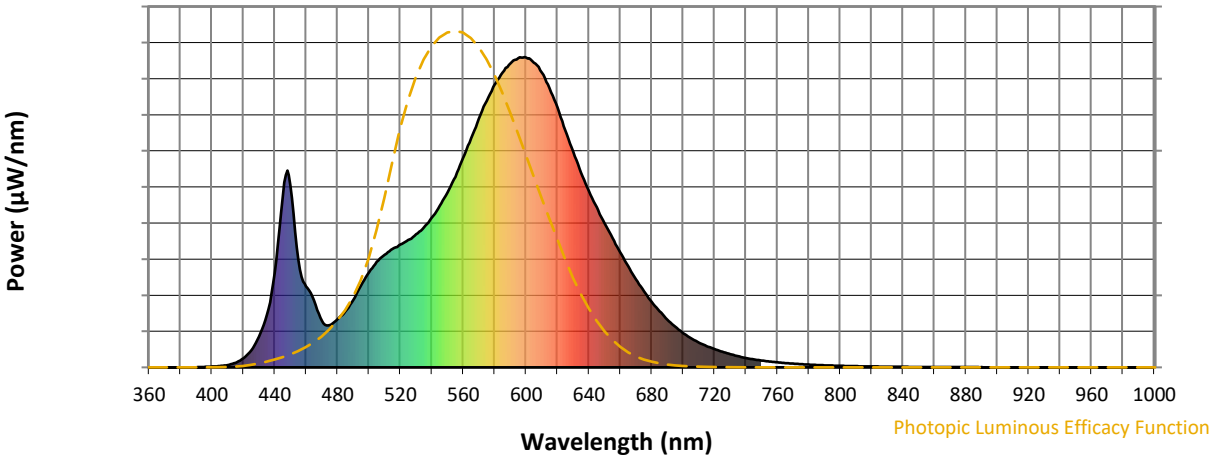


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

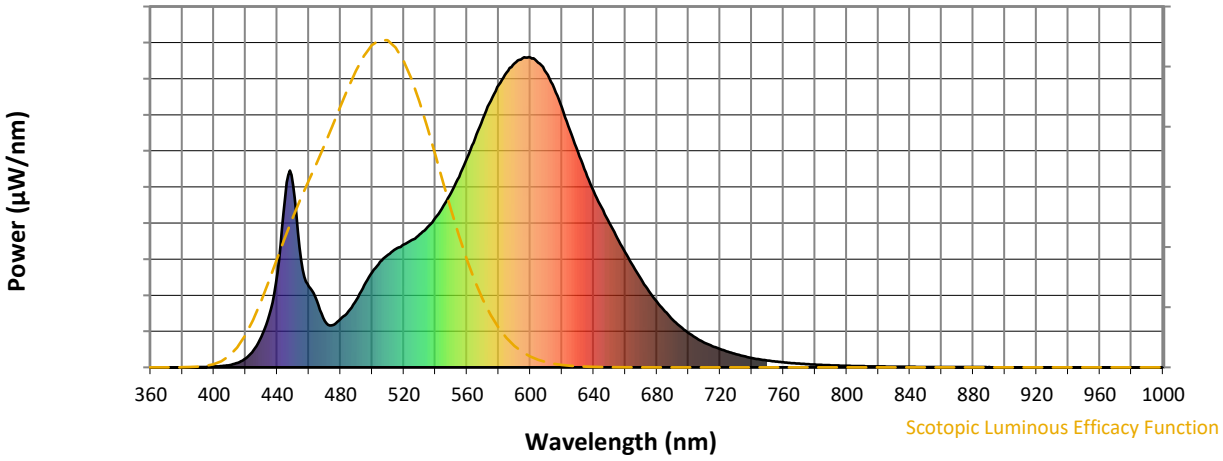


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

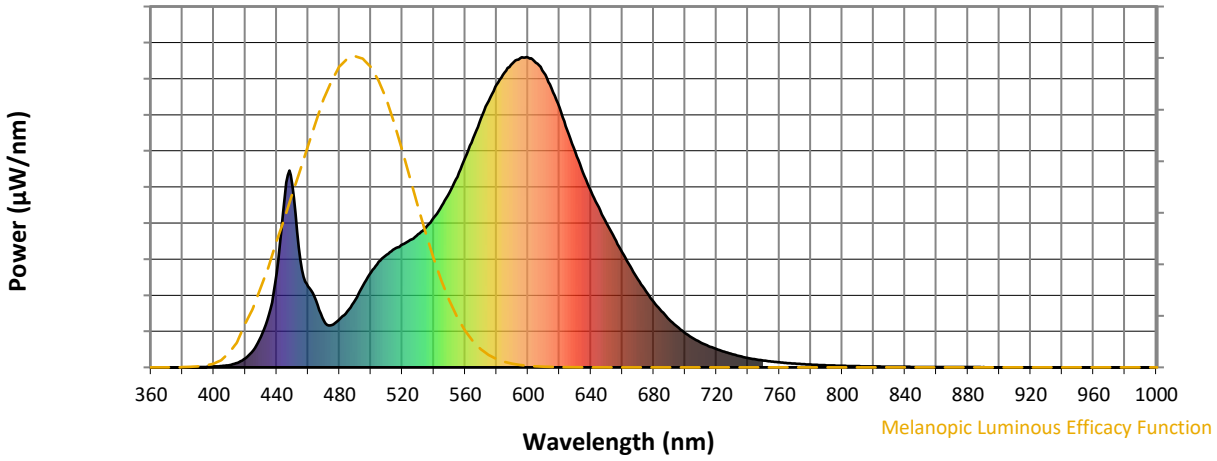


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

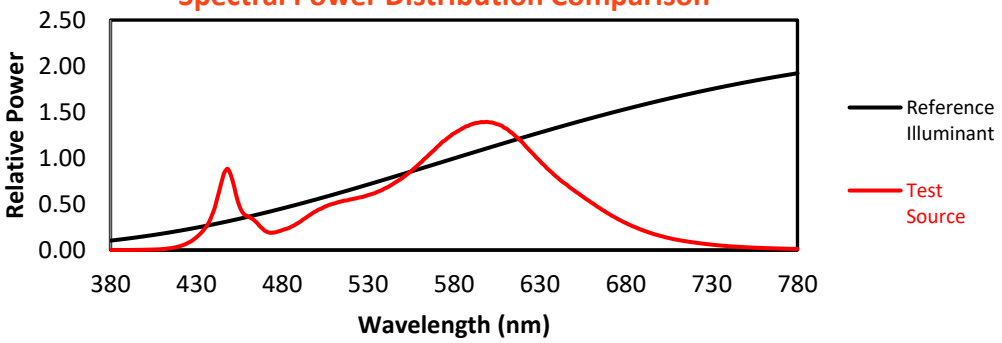
REPORT NUMBER: SP1-2501-332-9

TM-30-18

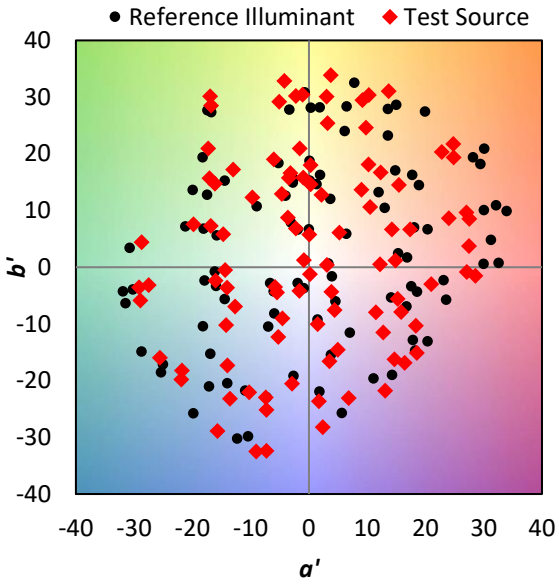
Summary

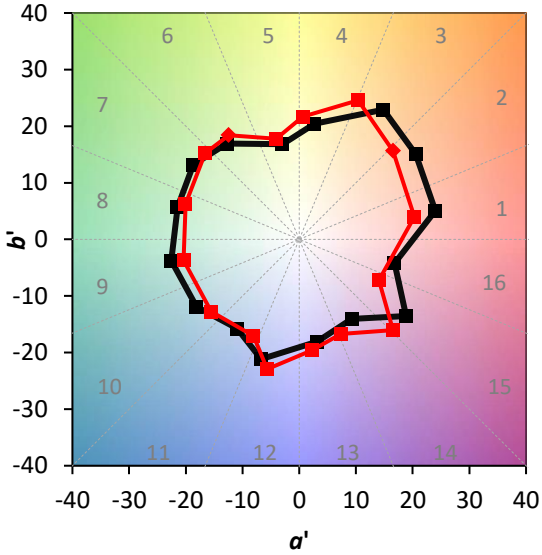
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

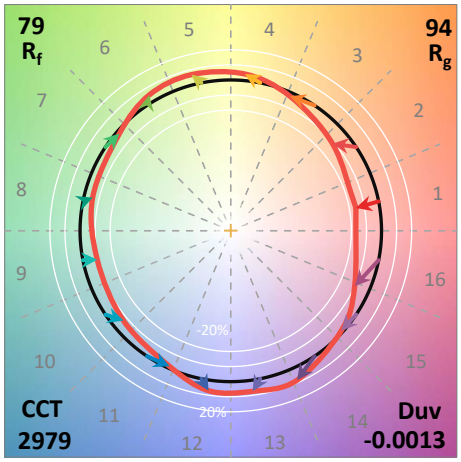
Spectral Power Distribution Comparison

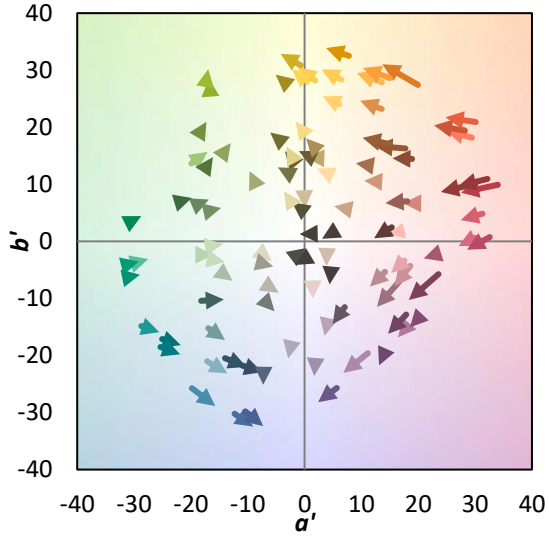


Color Vector Graphics







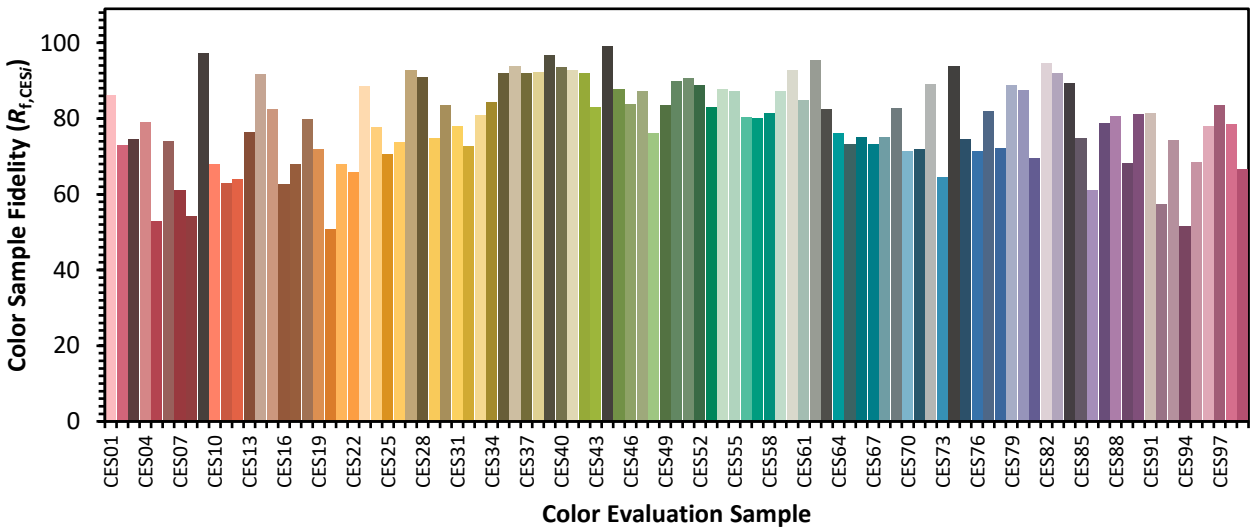


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

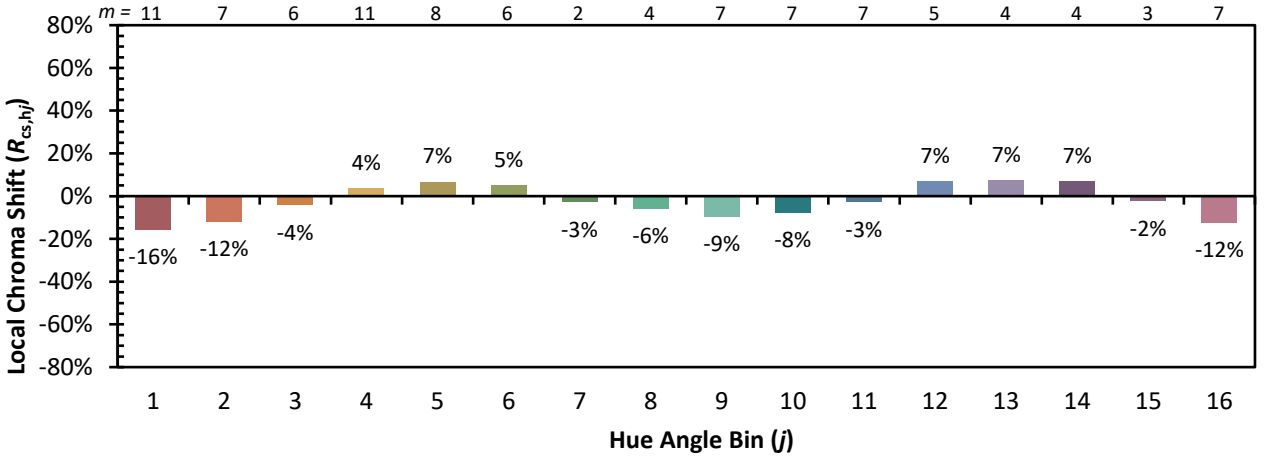
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

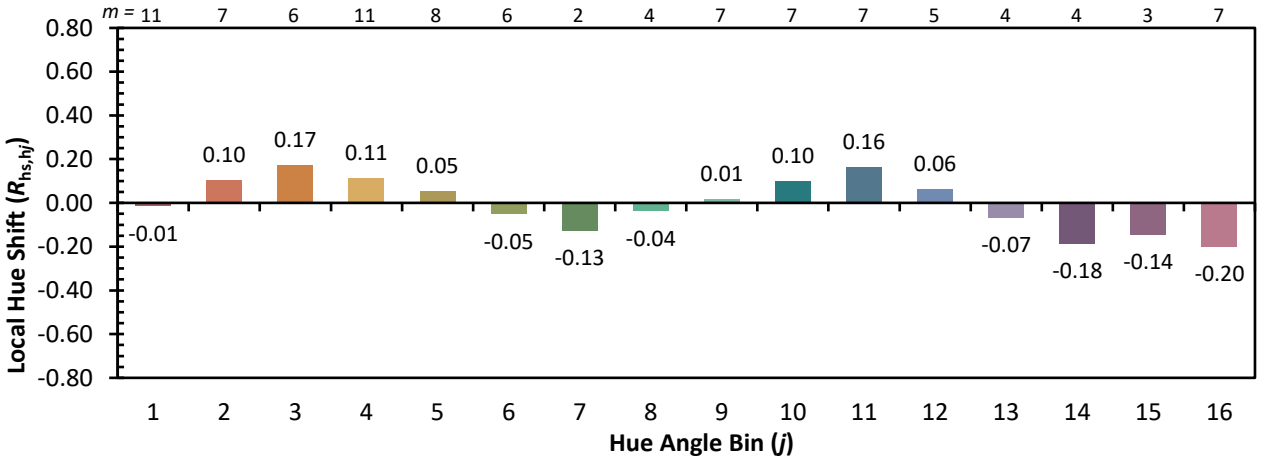


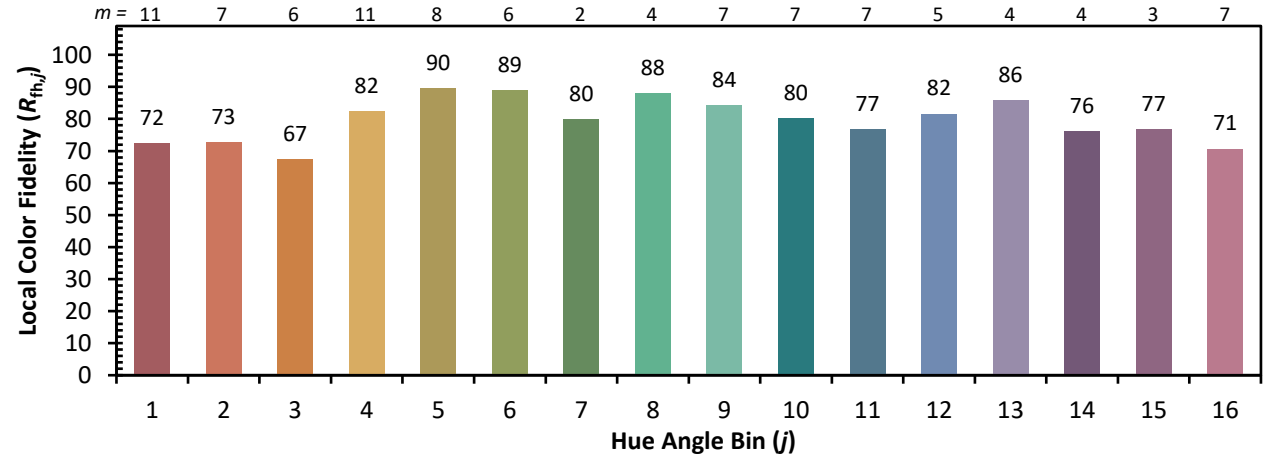
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Color Rendition by Hue-Angle Bin



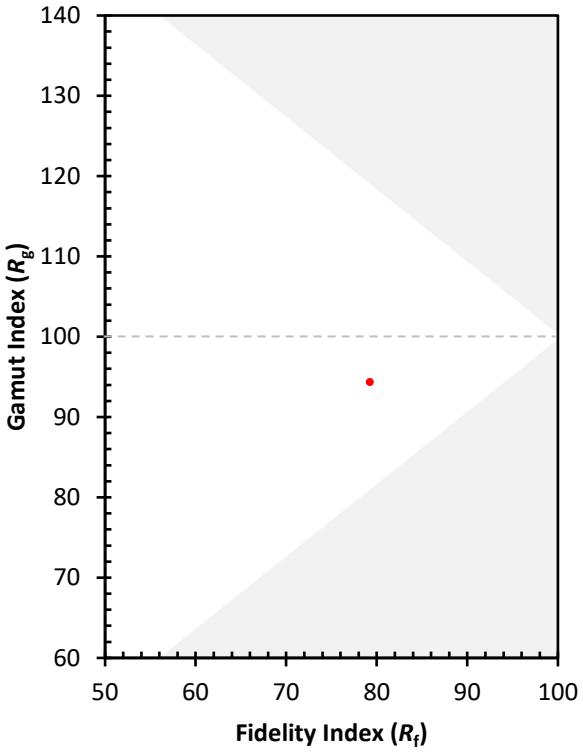


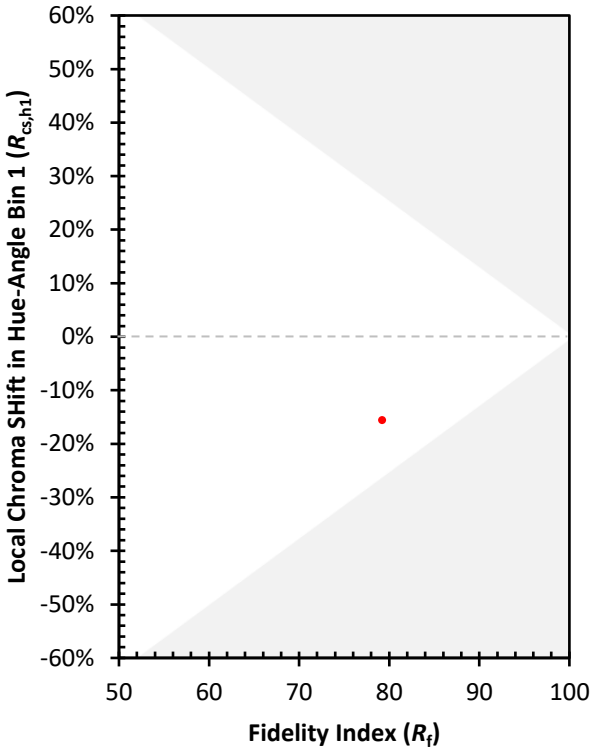


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Measure Comparisons





(END OF REPORT)