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: P1046581

Luminaire Tested: **FFX-CLB-70-750-U-FR-T3-UPLR-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:	P1046581
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-750-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10309.2 lumens
Efficiency:	N/A
Efficacy:	144.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

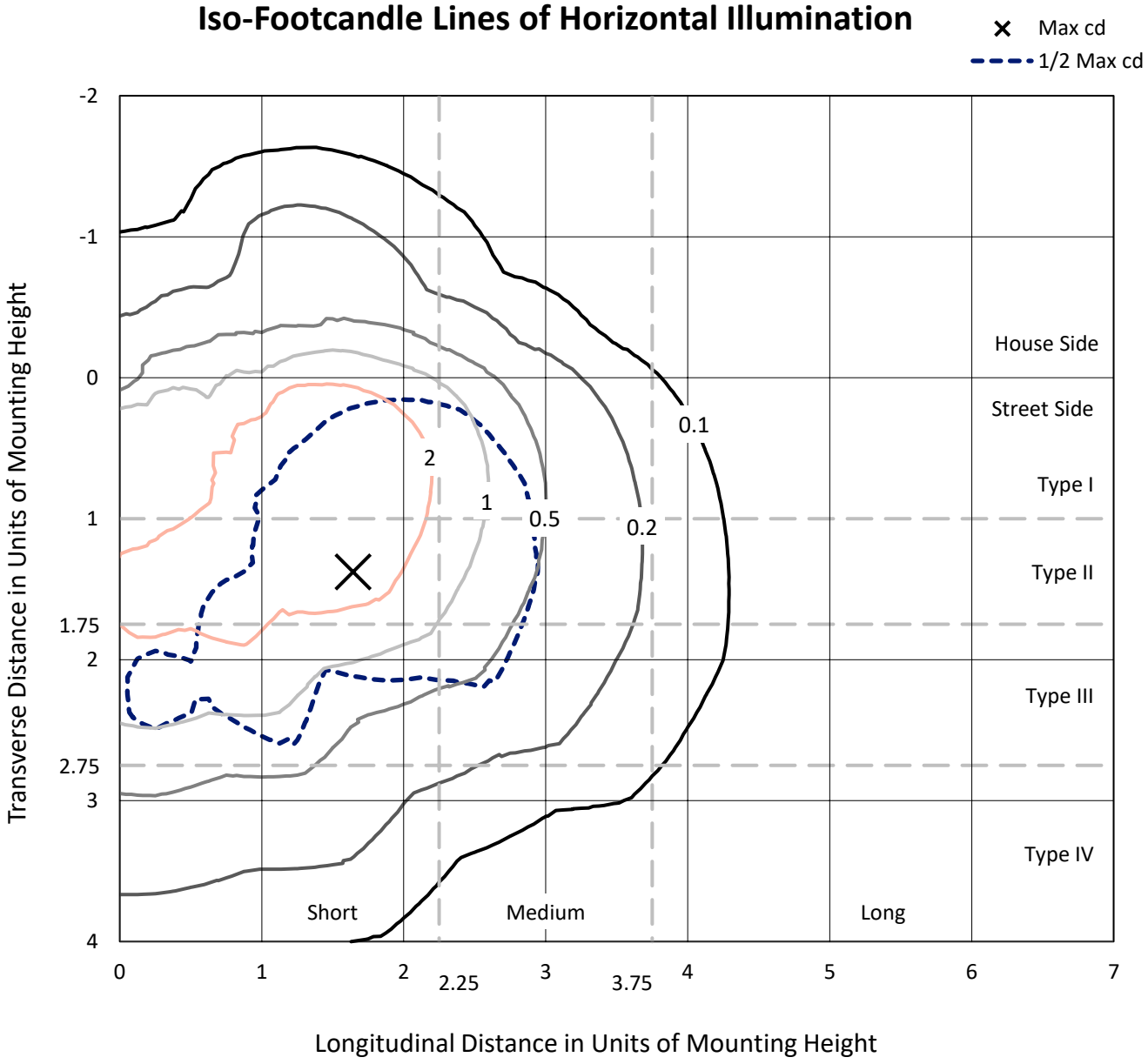


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Iso-Footcandle Lines of Horizontal Illumination



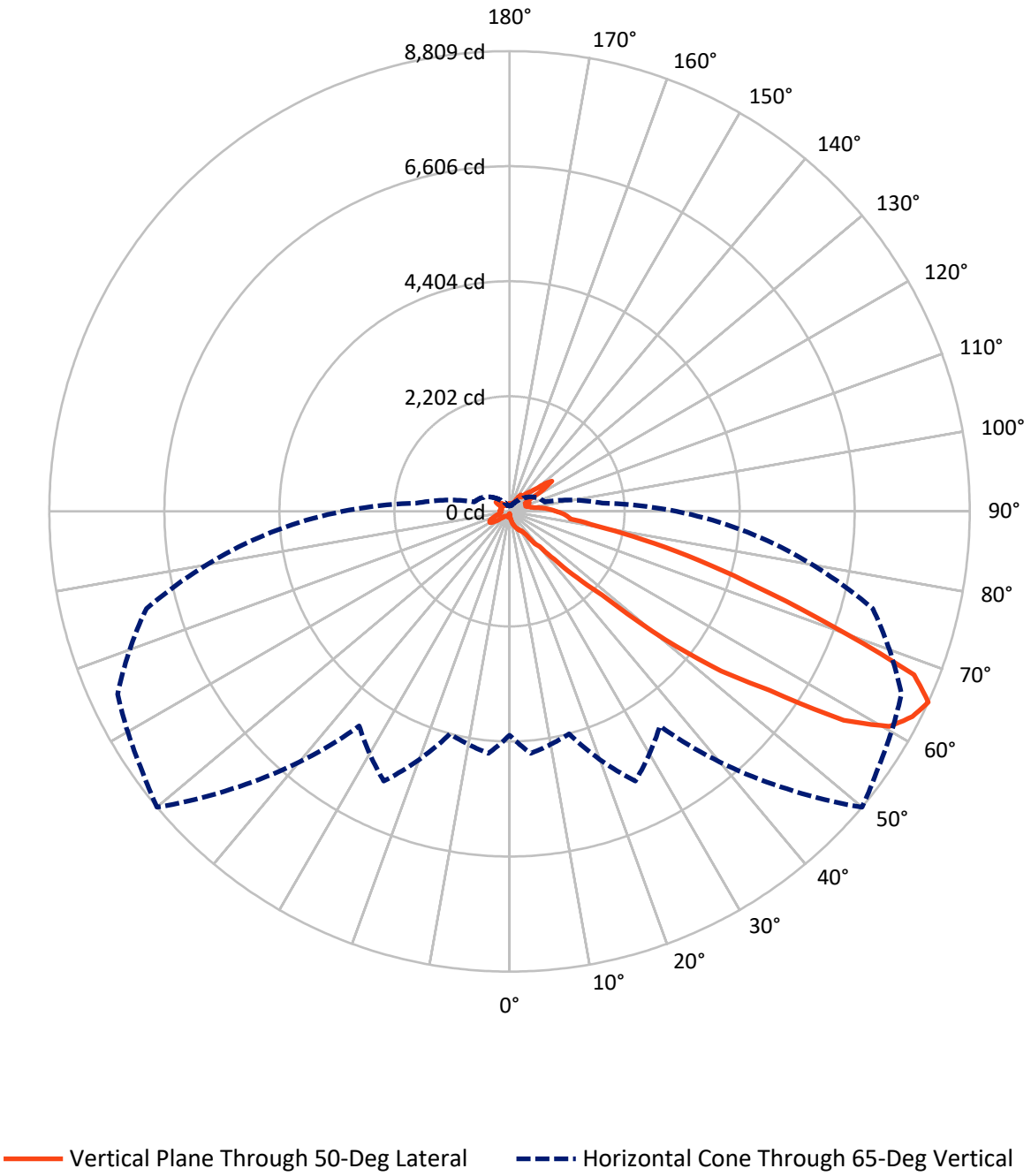
Based on 15 foot mounting height. Maximum calculated value = 5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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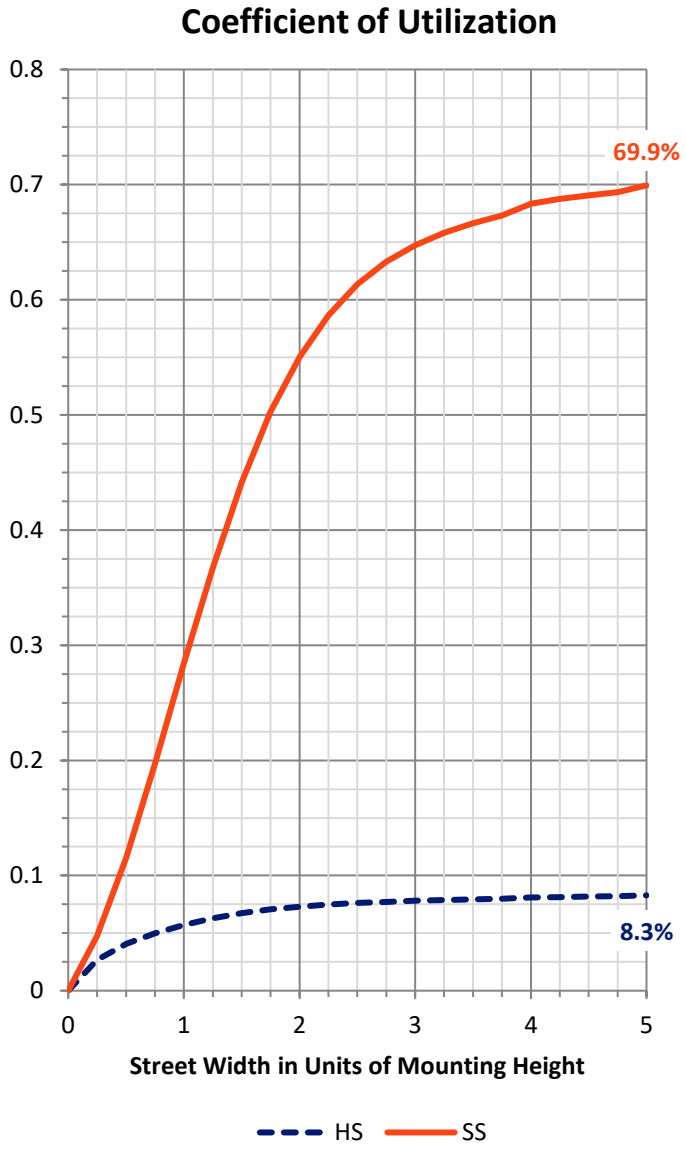
REPORT NUMBER: P1046581
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.3	595.3	1499.6
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	7457.4	1352.3	8809.7
	% Fixture	72.3	13.1	85.5
Total	Lumens	8361.7	1947.5	10309.2
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.1
10°-20°	53.8	0.5
20°-30°	114.9	1.1
30°-40°	229.4	2.2
40°-50°	601.0	5.8
50°-60°	1991.0	19.3
60°-70°	3140.0	30.5
70°-80°	1639.6	15.9
80°-90°	582.2	5.6
90°-100°	375.7	3.6
100°-110°	253.5	2.5
110°-120°	289.2	2.8
120°-130°	479.3	4.6
130°-140°	273.7	2.7
140°-150°	149.9	1.5
150°-160°	73.4	0.7
160°-170°	38.8	0.4
170°-180°	14.0	0.1
0°-90°	8361.7	81.1
0°-180°	10309.2	100.0



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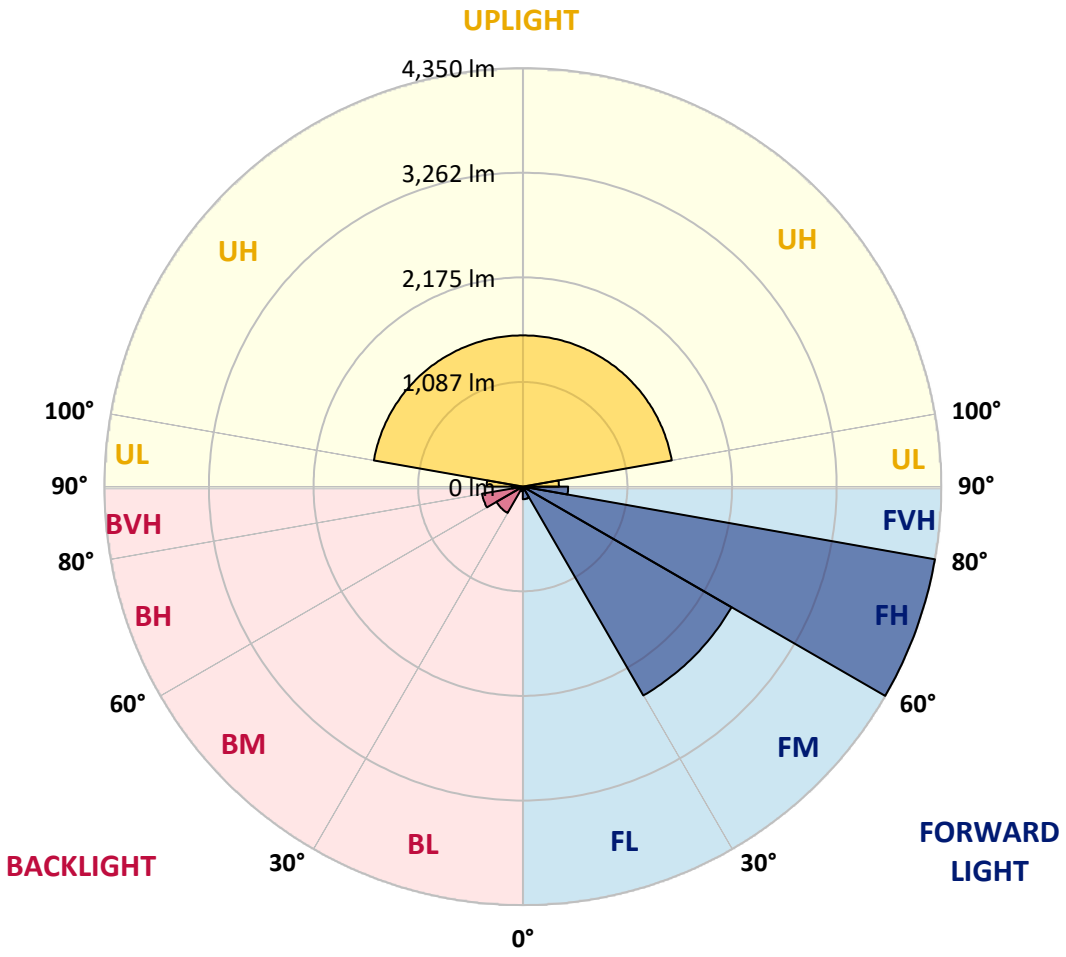
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	131.1	1.3			
FM	(30°-60°)	2505.3	24.3			
FH	(60°-80°)	4349.6	42.2			G2/5000
FVH	(80°-90°)	471.4	4.6			G3/500
BL	(0°-30°)	47.4	0.5	B0/110		
BM	(30°-60°)	316.1	3.1	B1/1000		
BH	(60°-80°)	430.0	4.2	B1/500		G1/500
BVH	(80°-90°)	110.8	1.1			G2/225
UL	(90°-100°)	375.7	3.6		U3/500	
UH	(100°-180°)	1571.8	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	57.6	57.6	57.6	57.6	57.6	57.6	*57.6*	57.6	57.6	57.6	57.6
2.5°	69.9	69.2	70.7	72.9	72.1	69.9	*68.5*	67.8	65.6	64.8	62.7
5°	103.5	102.7	101.3	102.7	103.5	100.5	*99.1*	95.4	91.8	85.2	81.6
7.5°	145.0	145.7	147.2	143.5	142.1	135.5	*134.1*	130.4	124.6	116.6	114.4
10°	196.7	197.4	201.1	195.3	185.8	177.8	*176.3*	177.8	184.3	163.9	151.5
12.5°	247.7	245.5	256.5	253.5	241.2	229.5	*223.7*	224.4	221.5	206.2	185.8
15°	295.1	295.1	303.1	306.0	292.9	265.9	*257.2*	255.0	253.5	237.5	209.1
17.5°	324.9	326.4	327.1	327.1	322.8	300.2	*290.0*	285.6	272.5	257.9	231.7
20°	349.7	350.5	343.9	344.6	351.2	331.5	*321.3*	312.6	298.7	283.4	250.6
22.5°	384.0	382.5	372.3	367.9	382.5	365.8	*354.8*	345.4	328.6	311.1	281.2
25°	421.9	420.4	410.2	399.3	409.5	394.2	*382.5*	373.8	358.5	346.8	285.6
27.5°	458.3	456.8	439.3	437.9	429.1	421.9	*409.5*	407.3	395.6	361.4	283.4
30°	485.2	483.8	464.8	465.6	443.0	448.8	*430.6*	429.1	415.3	370.1	288.5
32.5°	495.4	496.9	488.9	485.2	454.6	478.0	*461.2*	455.4	451.7	393.4	314.0
35°	532.6	544.3	556.6	561.0	533.3	577.0	*542.8*	538.4	547.2	478.7	392.0
37.5°	818.9	813.1	767.2	702.4	687.8	784.0	*778.9*	782.5	776.7	681.2	518.8
40°	819.7	823.3	794.2	754.8	708.9	807.3	*882.3*	816.0	912.9	742.4	569.0
42.5°	861.2	849.5	918.7	934.0	883.0	1029.5	*1251.0*	1001.1	1210.2	904.9	774.5
45°	1019.3	1019.3	1031.7	1039.0	1020.7	1388.7	*1817.1*	1396.7	1617.5	1132.2	929.7
47.5°	1182.5	1168.7	1239.3	1358.1	1428.8	1787.2	*2398.5*	1845.5	2193.8	1522.0	1290.3
50°	1648.8	1668.5	1804.0	1942.4	2048.1	2660.8	*3861.5*	3162.1	3583.2	2340.2	1970.1
52.5°	2010.9	2126.0	2230.2	2618.5	2665.9	3635.6	*5076.1*	4242.6	4590.8	3288.1	2439.3
55°	2384.7	2612.7	2674.6	3360.2	3414.2	4671.7	*6042.9*	5374.1	5472.4	4335.1	2896.1
57.5°	3069.5	3387.9	3409.1	4140.6	4138.4	6018.9	*7544.5*	6998.1	6923.8	5520.5	3596.3
60°	3659.0	4021.8	3892.1	4905.6	4678.3	7011.9	*8358.3*	7807.5	7645.1	6471.3	4088.8
62.5°	4016.7	4370.8	4211.2	5409.8	5022.9	7487.0	*8652.7*	8331.4	8054.5	7046.9	4490.3
65°	*4283.4*	*4648.4*	*4409.4*	*5696.1*	*5016.3*	*7510.3*	*8808.6*	*8601.0*	*8276.7*	*7197.0*	*4578.4*
67.5°	4248.4	4604.7	4318.3	5582.4	4665.9	6839.2	*8350.3*	8091.7	7691.0	6617.8	4281.9
70°	3683.7	3898.7	3583.9	4754.8	3730.4	5290.3	*6504.8*	6355.5	5970.0	5065.9	3312.2
72.5°	3100.9	3154.1	2859.0	3721.6	2908.5	3854.2	*4942.7*	4783.2	4530.4	3759.5	2503.4
75°	2394.9	2394.9	2225.8	2790.5	2161.0	2735.1	*3741.3*	3700.5	3544.6	2821.1	1900.9
77.5°	1617.5	1532.9	1507.4	1884.9	1492.9	1804.7	*2604.7*	2700.9	2660.1	2019.6	1385.8
80°	942.8	963.2	927.5	1163.6	982.1	1180.3	*1671.4*	1798.2	1794.5	1341.3	909.3
82.5°	735.1	749.7	712.6	837.9	749.7	928.9	*1171.6*	1163.6	1191.2	971.9	684.1
85°	724.2	735.1	696.5	774.5	719.8	882.3	*1100.9*	1098.7	1092.9	899.8	642.6
87.5°	658.6	673.2	639.7	702.4	652.8	805.8	*1000.3*	1012.0	995.2	843.7	617.8
90°	550.8	566.1	551.5	624.4	573.4	695.1	*869.9*	878.7	864.1	751.9	557.4
92.5°	495.4	505.6	488.2	551.5	497.6	610.6	*768.7*	773.8	751.2	661.6	482.3
95°	456.8	467.0	445.2	491.8	439.3	538.4	*654.3*	671.0	637.5	558.1	410.9
97.5°	379.6	373.0	364.3	404.4	363.6	424.0	*500.5*	512.9	491.8	432.8	327.1
100°	328.6	330.8	327.1	356.3	319.1	364.3	*424.0*	429.1	420.4	377.4	295.8
102.5°	318.4	319.1	325.7	345.4	302.4	335.1	*386.2*	389.1	386.9	346.1	273.2
105°	315.5	314.7	318.4	339.5	295.1	306.7	*355.6*	357.0	349.7	322.0	255.7
107.5°	298.0	300.2	299.4	318.4	290.0	291.4	*322.8*	322.0	320.6	295.1	241.9
110°	341.7	338.1	322.8	323.5	295.8	303.1	*334.4*	330.8	323.5	308.2	263.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	486.0	475.8	458.3	400.7	371.6	392.0	*413.1*	416.8	408.7	394.9	333.7
115°	539.2	537.7	518.0	480.1	384.0	391.3	*405.1*	410.9	420.4	393.4	341.7
117.5°	442.3	466.3	435.7	440.8	386.2	339.5	*337.3*	325.7	330.8	327.9	316.2
120°	558.1	562.5	500.5	488.9	451.0	466.3	*467.0*	468.5	453.2	379.6	334.4
122.5°	784.7	784.7	802.2	834.2	814.6	786.9	*770.8*	754.8	733.7	663.7	567.6
125°	995.2	993.8	984.3	1000.3	980.7	991.6	*996.7*	1001.1	978.5	893.2	762.1
127.5°	802.2	822.6	856.8	943.5	888.9	873.6	*859.0*	869.2	852.4	836.4	754.8
130°	621.5	623.7	679.8	735.1	730.8	682.0	*665.2*	636.1	642.6	640.4	591.6
132.5°	531.1	534.1	566.8	598.2	624.4	588.7	*555.9*	540.6	545.7	542.1	510.7
135°	464.1	464.1	452.5	448.8	470.7	503.5	*499.8*	480.1	470.7	459.7	413.1
137.5°	401.5	400.0	378.9	367.2	384.7	427.0	*429.9*	429.9	420.4	394.2	360.7
140°	330.8	328.6	317.7	319.8	324.2	352.6	*354.8*	361.4	359.9	338.8	298.0
142.5°	250.6	251.4	267.4	285.6	295.8	357.0	*347.5*	340.2	363.6	362.1	260.1
145°	334.4	327.1	327.1	319.1	343.2	403.6	*384.7*	390.5	421.1	392.7	281.2
147.5°	306.7	310.4	311.1	309.6	340.2	343.9	*330.0*	330.8	341.7	341.7	287.8
150°	237.5	231.7	233.1	236.1	268.1	265.9	*253.5*	252.8	261.6	259.4	235.3
152.5°	188.0	187.2	186.5	189.4	215.7	204.7	*199.6*	197.4	196.0	193.8	188.0
155°	177.0	176.3	174.9	178.5	193.8	188.7	*185.8*	185.8	182.1	178.5	174.9
157.5°	157.4	156.6	157.4	164.7	173.4	167.6	*166.8*	166.1	164.7	160.3	158.8
160°	147.2	146.4	147.9	153.7	157.4	152.3	*150.8*	151.5	150.8	148.6	151.5
162.5°	139.2	139.2	139.2	142.8	144.3	140.6	*139.9*	140.6	141.3	141.3	145.0
165°	134.8	134.8	135.5	137.7	137.7	136.2	*134.8*	134.8	138.4	139.9	142.8
167.5°	137.7	137.7	138.4	139.2	139.2	137.7	*137.7*	138.4	140.6	142.1	142.1
170°	142.1	142.1	142.1	142.8	142.1	139.9	*139.9*	139.9	140.6	140.6	141.3
172.5°	147.2	147.2	147.2	146.4	145.0	144.3	*142.8*	142.8	143.5	142.8	143.5
175°	154.5	153.7	153.7	153.0	152.3	151.5	*150.8*	150.1	150.1	147.9	147.9
177.5°	158.1	157.4	158.1	158.1	157.4	155.9	*154.5*	154.5	153.7	152.3	151.5
180°	152.3	152.3	152.3	152.3	152.3	152.3	*152.3*	152.3	152.3	152.3	152.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
2.5°	61.2	59.0	53.2	48.1	44.4	43.0	43.0	40.8	37.9	35.7	35.0
5°	80.9	79.4	77.2	74.3	67.8	59.0	51.7	48.8	47.4	46.6	45.9
7.5°	114.4	115.8	118.8	118.0	105.6	82.3	68.5	67.8	75.8	84.5	87.4
10°	147.9	146.4	155.9	163.9	133.3	93.3	70.7	68.5	79.4	94.7	96.9
12.5°	177.0	169.8	164.7	155.9	127.5	93.3	75.8	71.4	76.5	88.2	88.2
15°	198.9	189.4	168.3	147.9	122.4	96.2	78.7	75.8	75.8	72.1	72.9
17.5°	215.7	198.2	167.6	141.3	113.7	91.8	78.0	69.9	65.6	59.7	58.3
20°	235.3	222.9	182.1	145.7	112.2	88.9	75.8	66.3	61.2	59.0	58.3
22.5°	256.5	231.0	191.6	147.2	112.2	90.3	75.0	64.8	60.5	59.0	59.0
25°	258.6	236.8	196.7	153.0	115.8	93.3	76.5	65.6	61.2	59.7	59.0
27.5°	255.7	240.4	205.5	159.6	119.5	96.2	79.4	67.0	61.2	59.0	58.3
30°	266.7	254.3	215.7	163.9	123.1	99.8	82.3	69.9	62.7	58.3	57.6
32.5°	294.3	276.9	229.5	166.8	124.6	100.5	85.2	72.9	64.1	59.0	58.3
35°	367.2	351.2	282.7	177.0	124.6	102.0	87.4	75.0	65.6	59.7	59.0
37.5°	472.9	443.0	347.5	211.3	126.0	104.9	89.6	78.0	67.8	61.2	59.7
40°	501.3	423.3	295.1	189.4	129.0	107.8	93.3	80.9	70.7	63.4	62.7
42.5°	650.6	541.3	364.3	200.4	137.7	110.0	95.4	83.8	72.9	65.6	64.1
45°	696.5	542.1	370.1	231.7	161.7	119.5	99.1	86.0	74.3	67.0	66.3
47.5°	912.9	672.5	377.4	248.4	181.4	137.7	107.8	88.9	75.8	68.5	67.8
50°	1338.4	948.6	468.5	310.4	224.4	168.3	126.8	94.7	77.2	70.7	69.2
52.5°	1669.9	1138.1	507.8	379.6	298.0	222.2	159.6	110.0	81.6	72.1	70.7
55°	2035.7	1398.2	577.0	457.6	361.4	278.3	202.5	132.6	90.3	74.3	72.9
57.5°	2539.1	1669.2	677.6	539.9	438.6	324.9	231.0	155.2	102.0	79.4	76.5
60°	2845.1	1784.3	693.6	584.3	484.5	362.1	243.3	164.7	114.4	86.7	82.3
62.5°	3138.0	1863.7	698.0	601.8	495.4	369.4	244.8	160.3	118.8	96.9	91.1
65°	*3197.8*	*1785.0*	*699.4*	*605.5*	*482.3*	*350.5*	*236.8*	*155.9*	*113.7*	*105.6*	*106.4*
67.5°	2995.9	1585.4	648.4	579.2	447.4	312.6	212.7	149.4	112.2	104.2	106.4
70°	2355.5	1242.2	592.3	537.0	379.6	265.9	189.4	140.6	112.2	100.5	98.4
72.5°	1828.8	1061.6	606.9	510.0	324.9	237.5	171.2	131.1	108.6	99.8	98.4
75°	1419.3	886.0	598.2	448.8	265.2	204.0	153.7	120.2	103.5	98.4	97.6
77.5°	1037.5	698.7	494.7	343.9	220.0	173.4	135.5	112.9	100.5	96.2	95.4
80°	667.4	488.9	344.6	274.7	193.1	158.1	126.8	107.8	99.1	96.2	95.4
82.5°	562.5	443.7	310.4	260.1	186.5	161.0	132.6	112.9	104.2	101.3	100.5
85°	541.3	456.8	319.1	271.0	178.5	153.7	129.7	112.9	104.9	101.3	100.5
87.5°	514.4	413.1	314.7	249.2	171.9	147.9	127.5	115.8	107.8	105.6	104.9
90°	465.6	364.3	288.5	231.7	181.4	157.4	140.6	128.2	120.2	115.1	113.7
92.5°	392.7	292.9	247.7	228.8	198.9	178.5	161.7	150.8	142.1	137.0	134.8
95°	330.8	255.7	215.7	202.5	175.6	160.3	144.3	136.2	129.7	125.3	125.3
97.5°	269.6	219.3	200.4	190.2	168.3	151.5	138.4	130.4	128.2	126.8	126.0
100°	253.5	214.9	201.8	193.1	175.6	160.3	150.1	142.8	142.1	141.3	141.3
102.5°	235.3	203.3	188.7	180.0	162.5	149.4	142.1	136.2	134.1	131.9	129.7
105°	222.2	192.3	181.4	169.8	155.9	142.8	135.5	126.8	125.3	124.6	124.6
107.5°	215.7	190.9	185.1	166.8	153.7	147.9	139.2	128.2	126.0	123.1	123.1
110°	238.2	212.0	195.3	172.7	158.8	153.7	151.5	142.1	134.8	126.0	125.3

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

Scaled Data Report

REPORT NUMBER: P1046581
CATALOG NUMBER: FFX-CLB-70-750-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	295.1	259.4	239.7	206.2	177.8	165.4	155.9	145.7	141.3	135.5	133.3
115°	317.7	281.2	256.5	222.9	190.2	168.3	154.5	153.0	148.6	145.0	148.6
117.5°	325.7	255.7	211.3	203.3	178.5	161.0	154.5	152.3	153.7	153.7	147.2
120°	351.2	276.1	259.4	249.2	202.5	174.1	159.6	166.8	165.4	156.6	156.6
122.5°	523.9	467.8	412.4	343.9	285.6	252.1	202.5	169.8	163.2	157.4	153.7
125°	690.0	639.7	553.0	461.9	361.4	267.4	201.1	177.8	165.4	158.1	159.6
127.5°	703.1	649.9	550.8	439.3	322.8	249.9	202.5	182.1	168.3	160.3	158.8
130°	549.4	511.5	437.2	355.6	273.9	223.7	187.2	166.8	154.5	147.2	145.7
132.5°	486.0	453.9	376.7	305.3	249.9	207.6	176.3	153.7	145.0	139.9	139.2
135°	388.3	361.4	309.6	271.0	232.4	197.4	166.1	145.0	137.0	136.2	134.8
137.5°	340.2	318.4	278.3	246.3	214.2	180.7	154.5	137.0	133.3	134.1	131.9
140°	277.6	268.1	245.5	217.8	183.6	148.6	130.4	124.6	130.4	133.3	133.3
142.5°	238.2	225.9	200.4	168.3	146.4	130.4	128.2	126.0	129.0	130.4	130.4
145°	219.3	204.7	183.6	171.9	161.7	147.9	136.2	126.0	123.1	123.9	123.9
147.5°	247.7	231.0	217.1	195.3	170.5	147.2	129.7	118.0	118.0	120.9	121.7
150°	205.5	190.9	181.4	169.0	150.1	131.1	118.8	112.9	115.1	120.9	121.7
152.5°	171.9	154.5	148.6	141.3	131.1	120.9	115.1	112.2	115.8	120.2	120.2
155°	167.6	152.3	145.0	137.7	128.2	119.5	114.4	112.9	116.6	119.5	120.2
157.5°	157.4	148.6	139.2	133.3	126.0	119.5	115.8	114.4	117.3	119.5	120.2
160°	151.5	146.4	135.5	130.4	123.9	119.5	118.8	118.8	120.2	120.9	120.9
162.5°	145.0	142.1	135.5	131.1	126.8	124.6	126.0	126.8	126.8	126.0	126.0
165°	142.8	141.3	135.5	131.9	129.7	130.4	133.3	134.1	131.9	130.4	130.4
167.5°	142.1	142.1	137.7	134.8	134.1	135.5	138.4	138.4	136.2	133.3	132.6
170°	142.1	142.8	141.3	141.3	139.9	140.6	141.3	141.3	139.9	138.4	137.7
172.5°	144.3	144.3	144.3	144.3	143.5	144.3	145.0	145.0	145.0	144.3	144.3
175°	147.9	147.9	147.9	147.2	146.4	146.4	147.2	147.9	148.6	148.6	148.6
177.5°	151.5	150.8	150.1	150.8	150.1	150.1	151.5	152.3	153.0	153.0	153.0
180°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

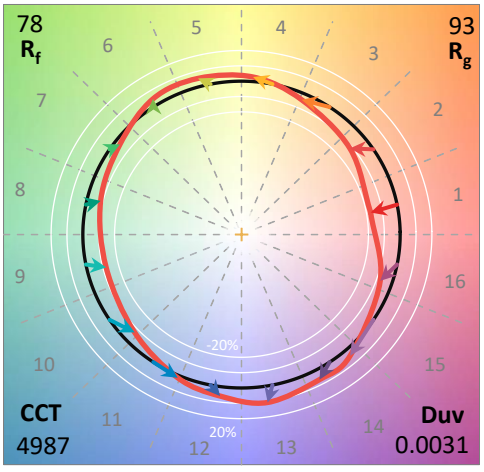
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

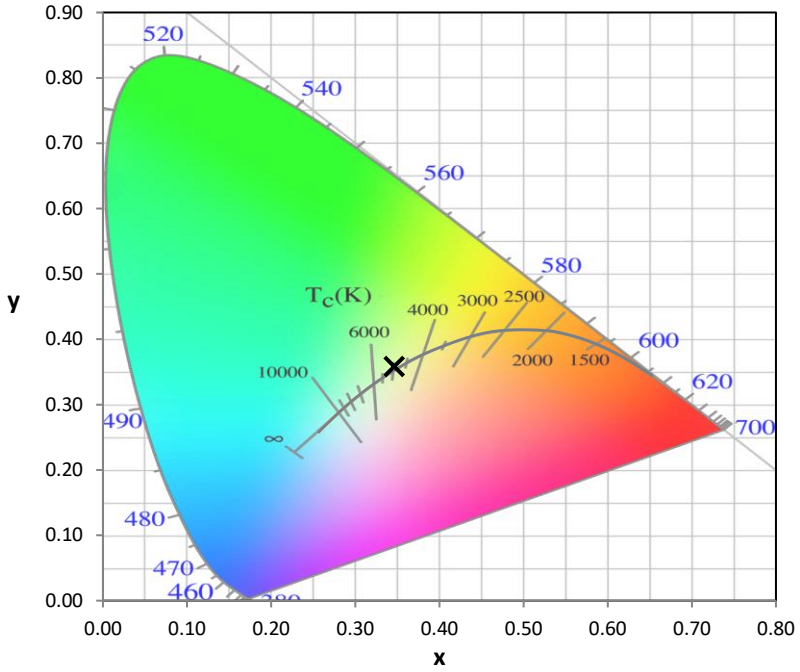
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

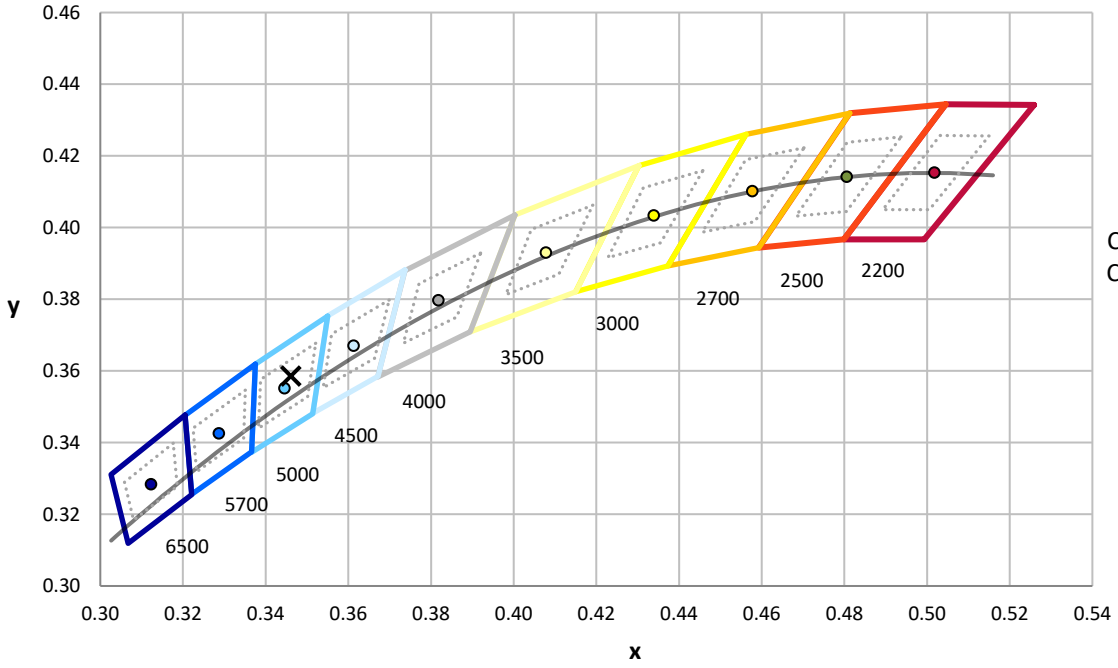
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

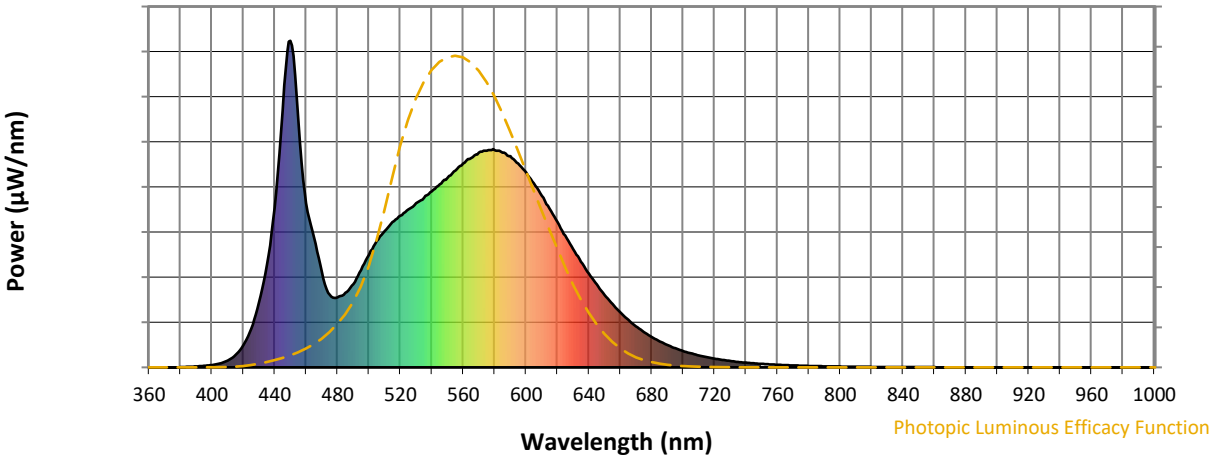


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

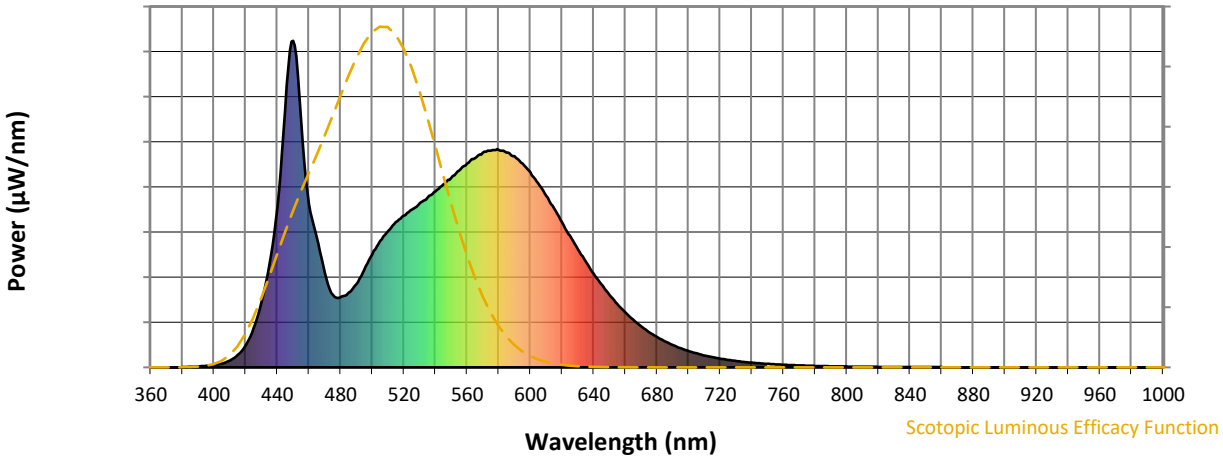


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

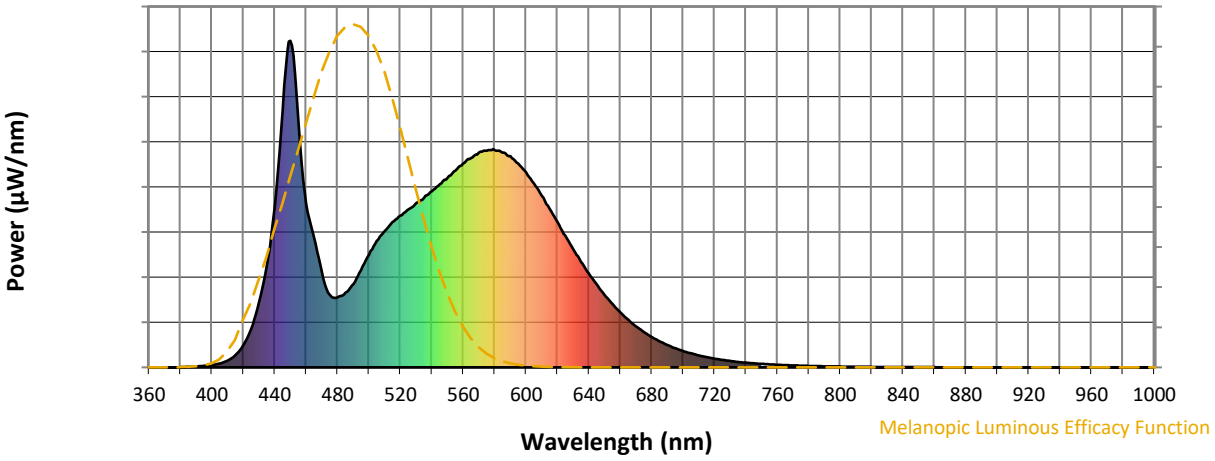


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

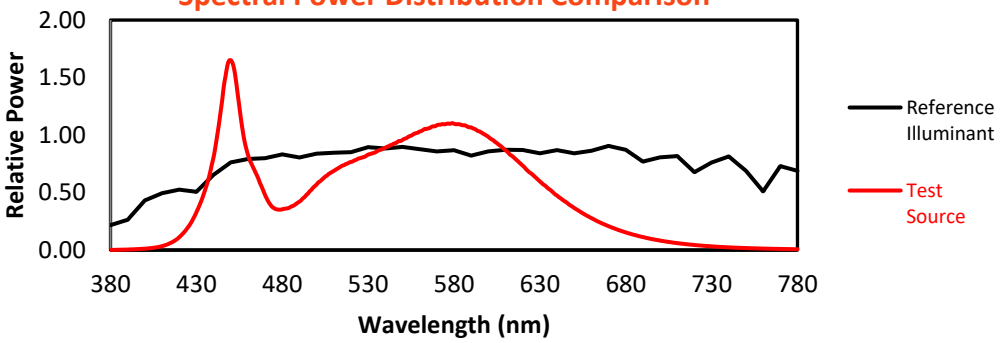
REPORT NUMBER: SP1-2501-332-5

TM-30-18

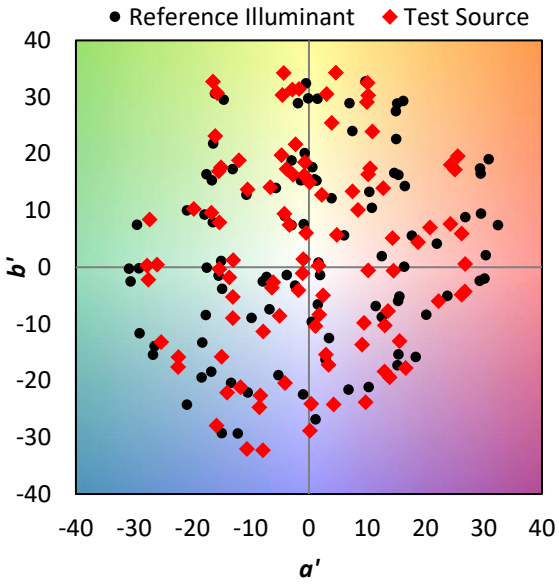
Summary

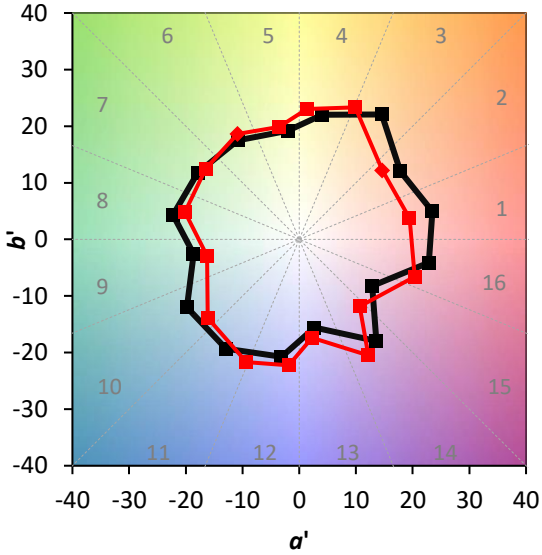
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

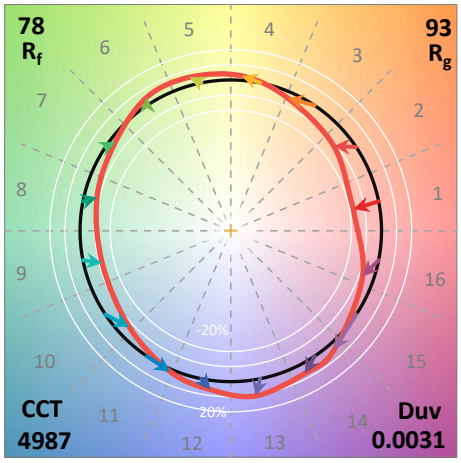
Spectral Power Distribution Comparison

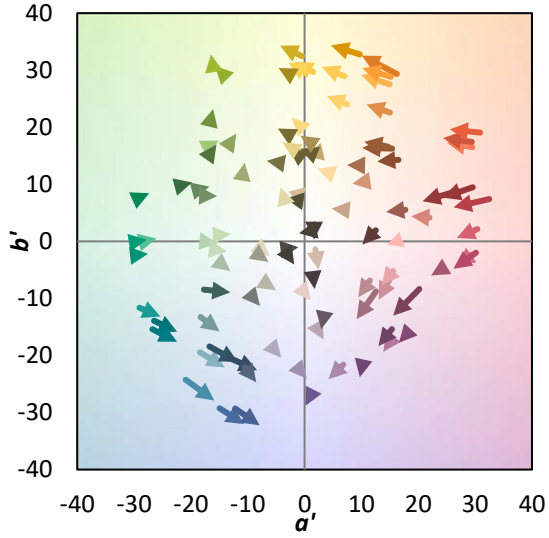


Color Vector Graphics







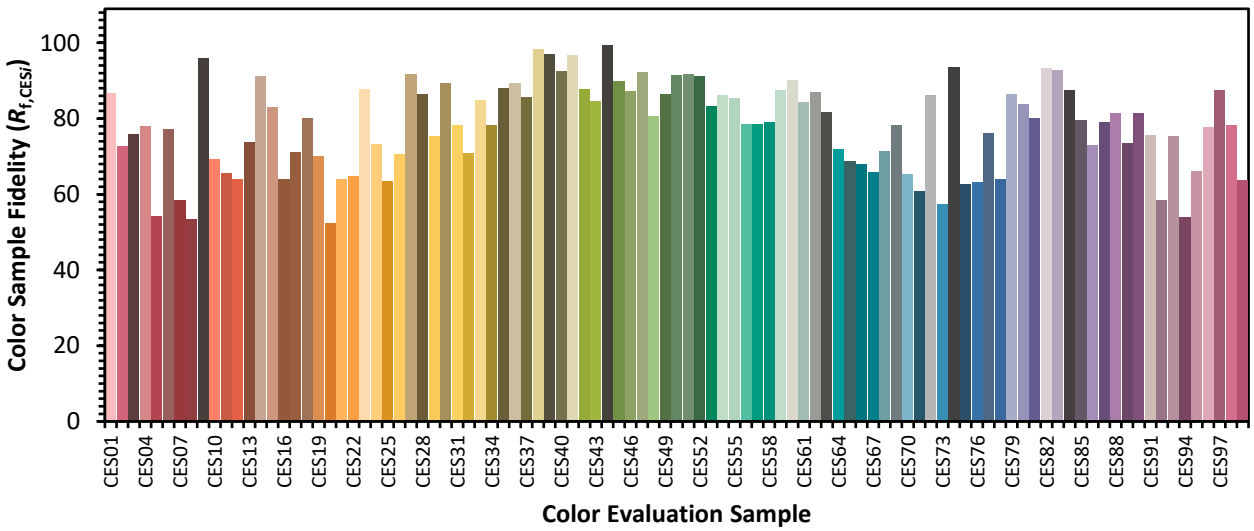


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

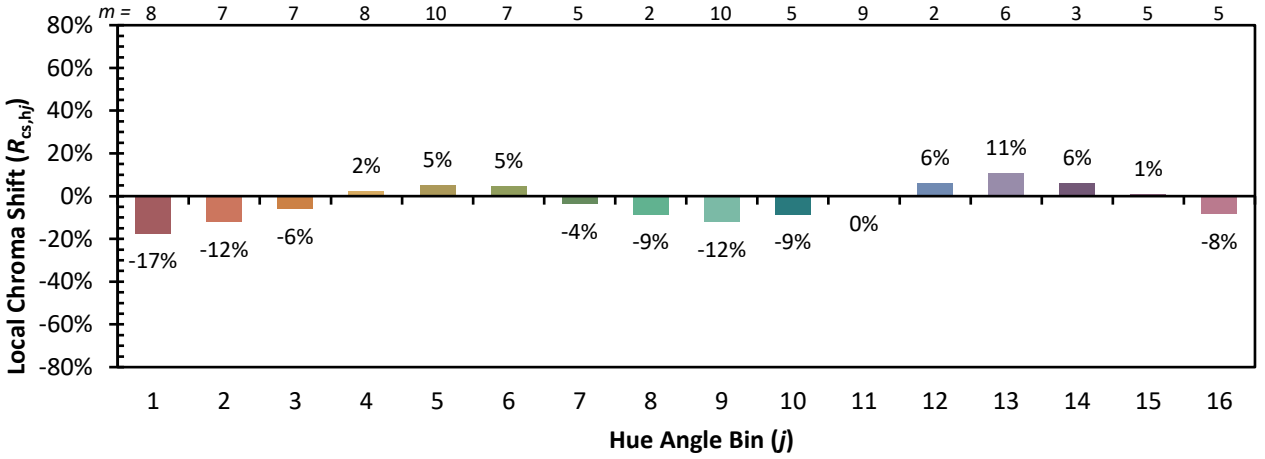
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

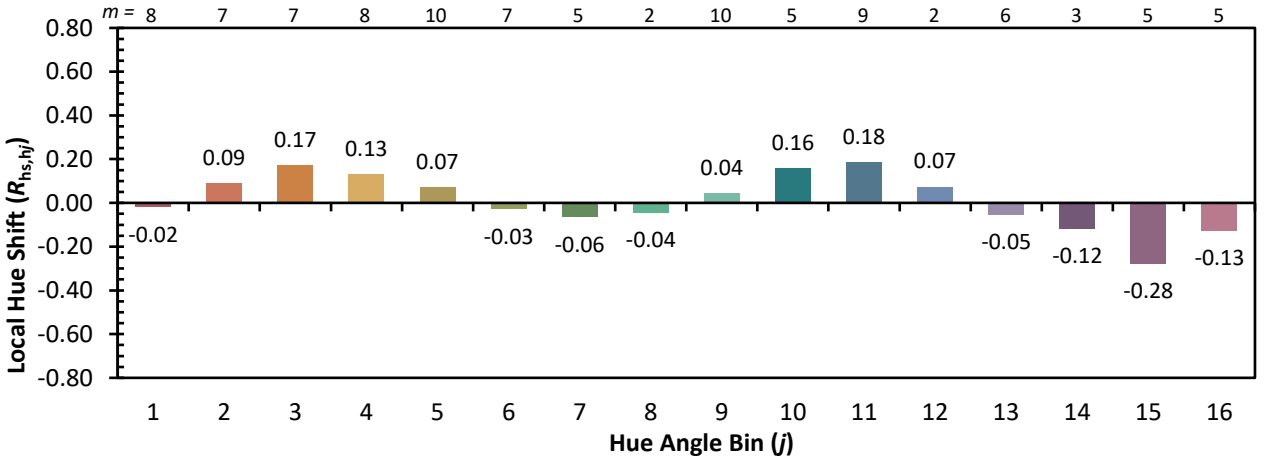


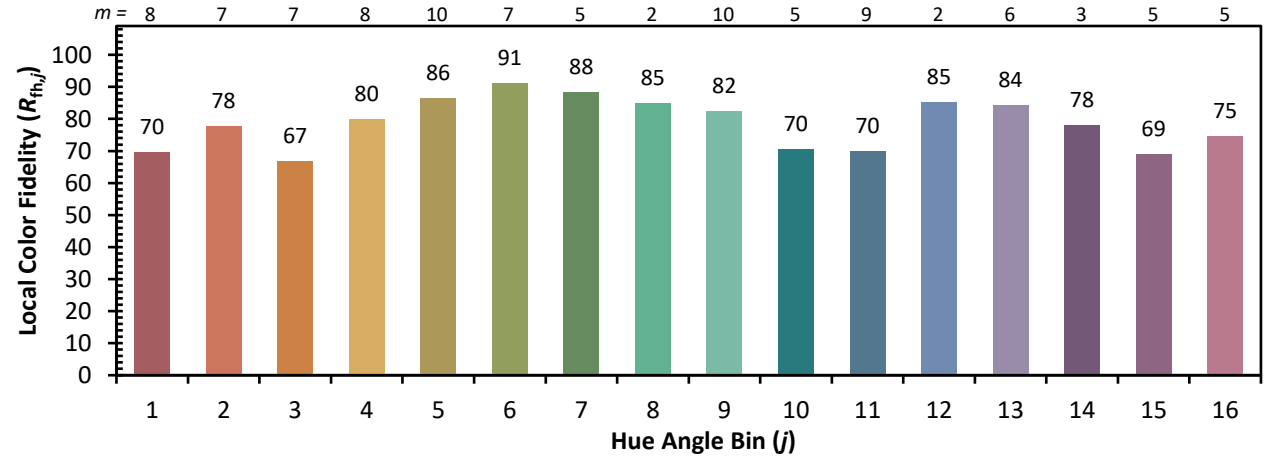
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Color Rendition by Hue-Angle Bin



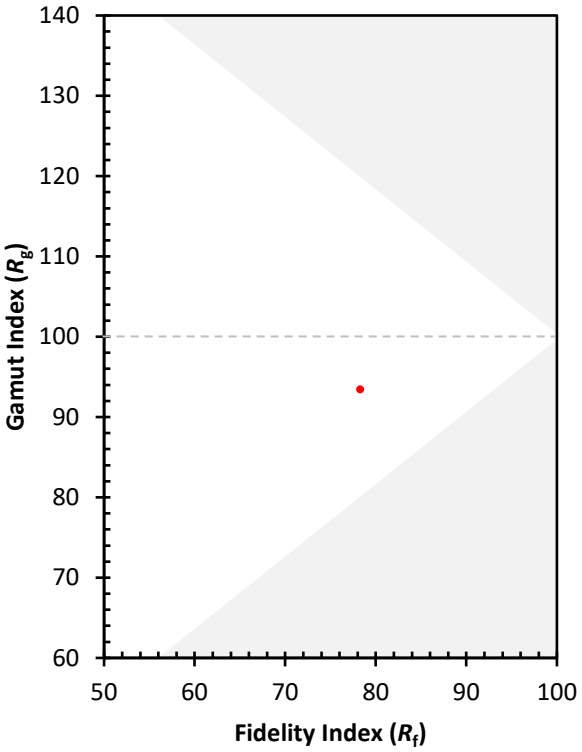


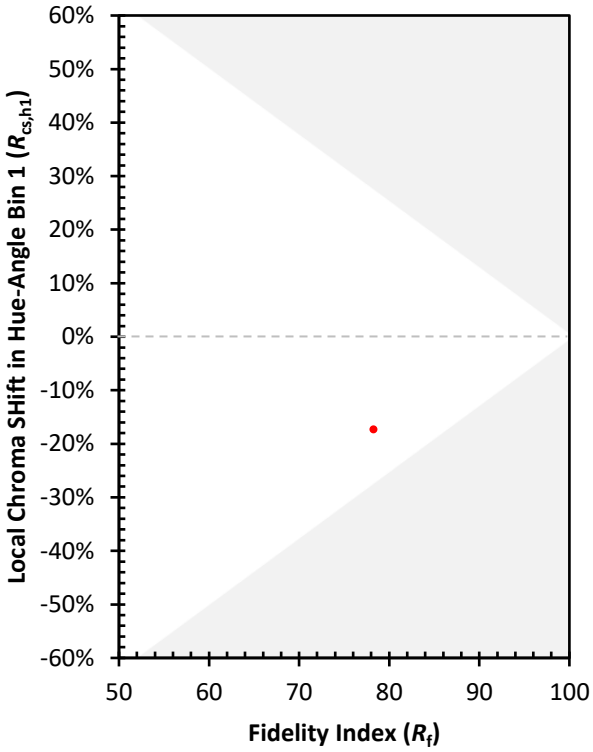


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Measure Comparisons





(END OF REPORT)