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: P1046611

Luminaire Tested: **FFX-CLB-40-730-U-FR-T3-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046611
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-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5568.7 lumens
Efficiency:	N/A
Efficacy:	141.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U3 - 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

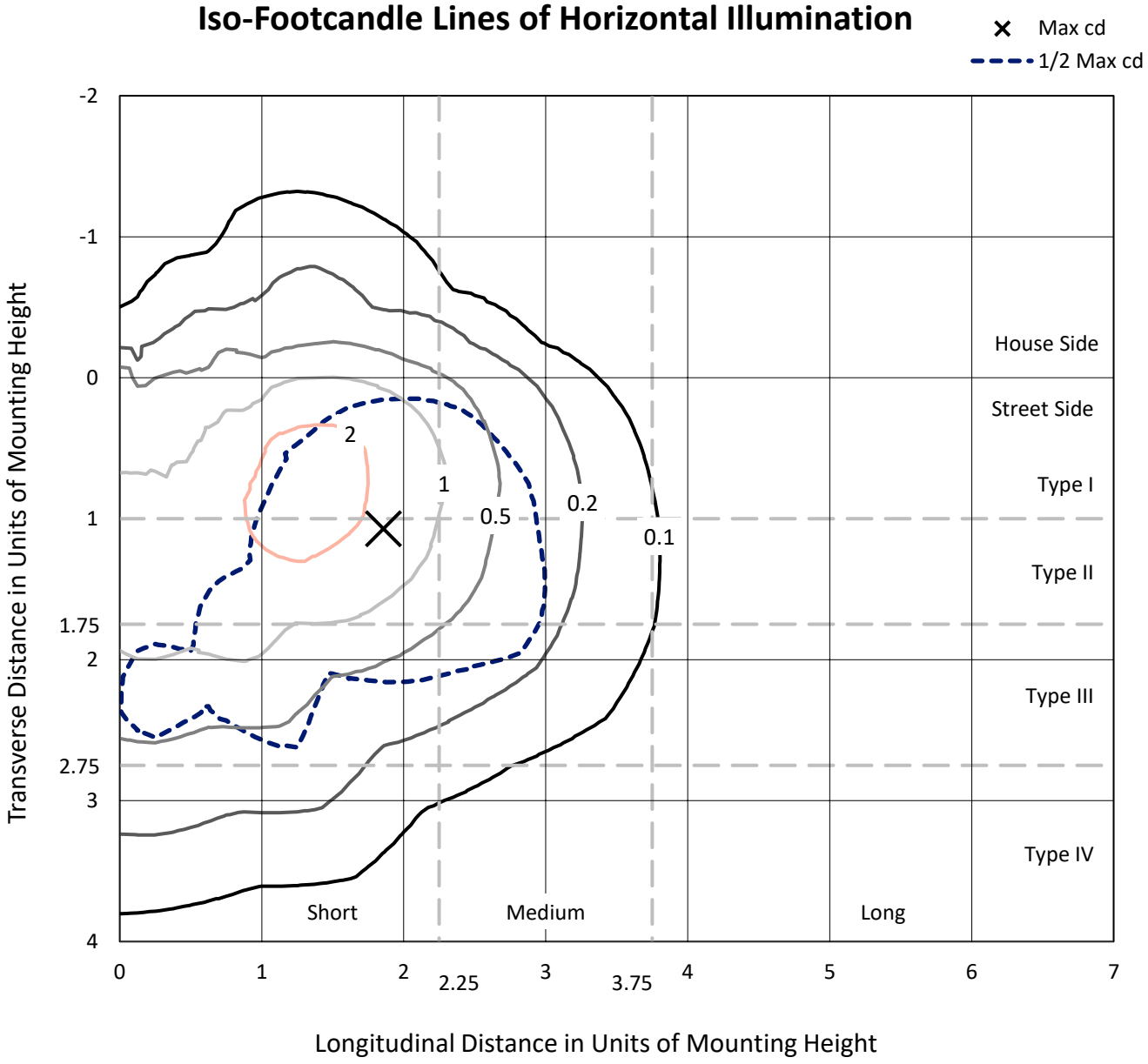


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Iso-Footcandle Lines of Horizontal Illumination



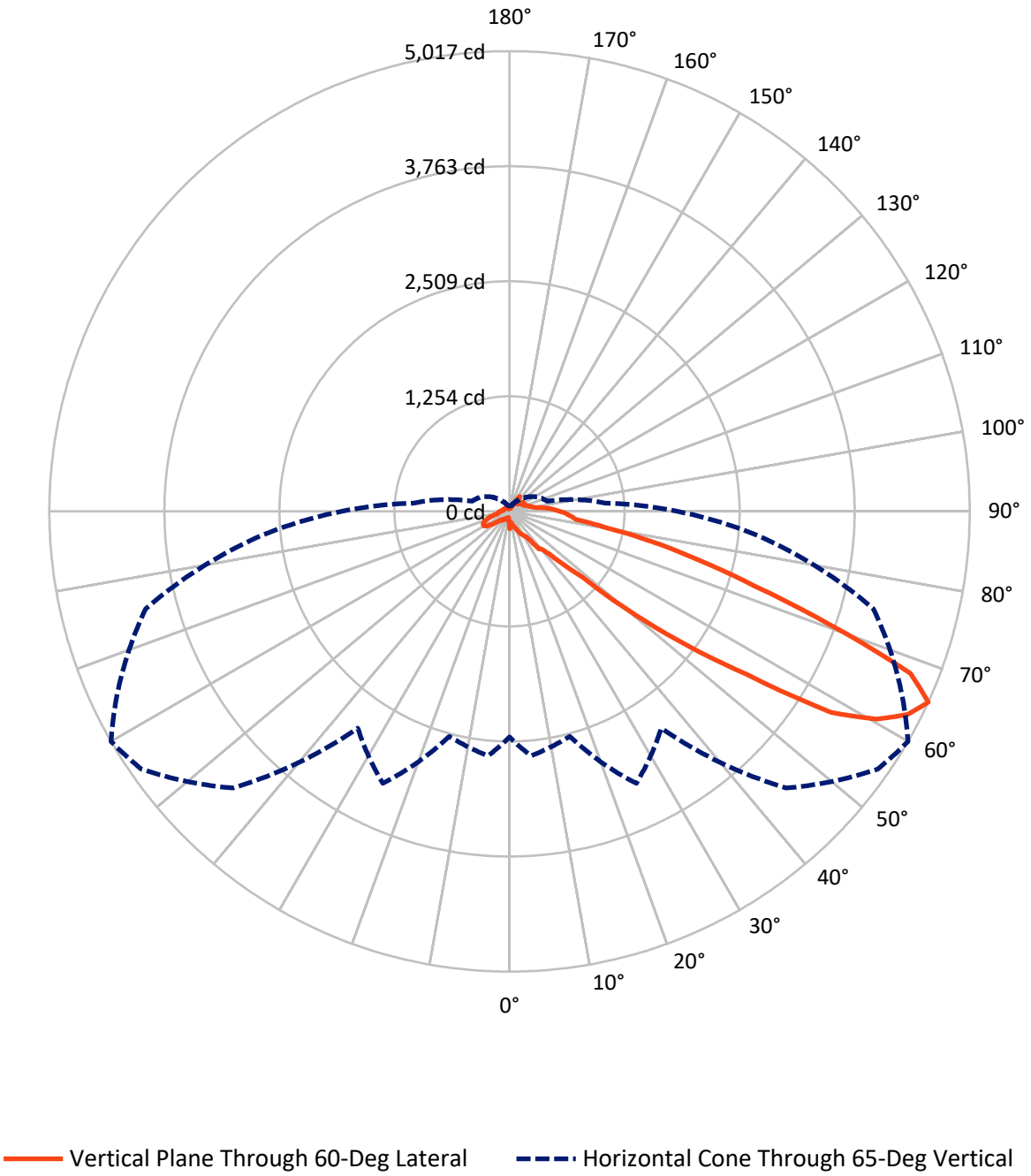
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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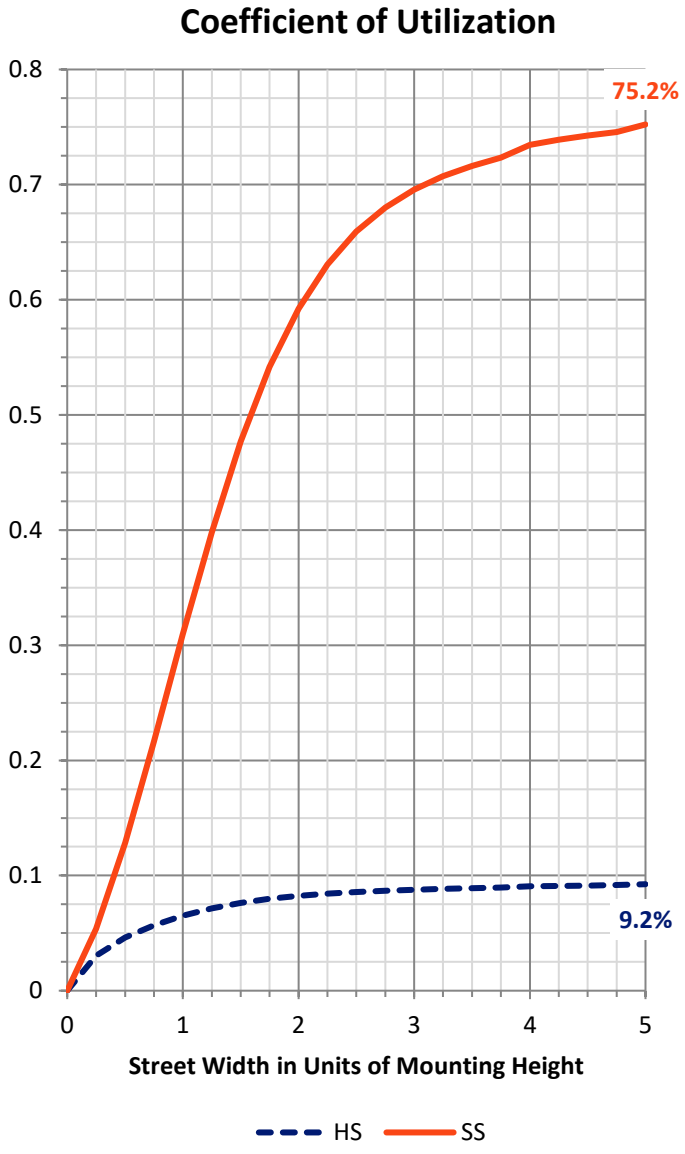
REPORT NUMBER: P1046611
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.9	174.3	714.2
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	4339.4	515.1	4854.5
	% Fixture	77.9	9.2	87.2
Total	Lumens	4879.4	689.4	5568.7
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.2
10°-20°	35.6	0.6
20°-30°	76.2	1.4
30°-40°	156.4	2.8
40°-50°	366.5	6.6
50°-60°	1146.3	20.6
60°-70°	1794.8	32.2
70°-80°	949.5	17.1
80°-90°	343.8	6.2
90°-100°	207.3	3.7
100°-110°	129.9	2.3
110°-120°	105.0	1.9
120°-130°	87.6	1.6
130°-140°	63.8	1.1
140°-150°	58.6	1.1
150°-160°	24.4	0.4
160°-170°	9.7	0.2
170°-180°	3.1	0.1
0°-90°	4879.4	87.6
0°-180°	5568.7	100.0



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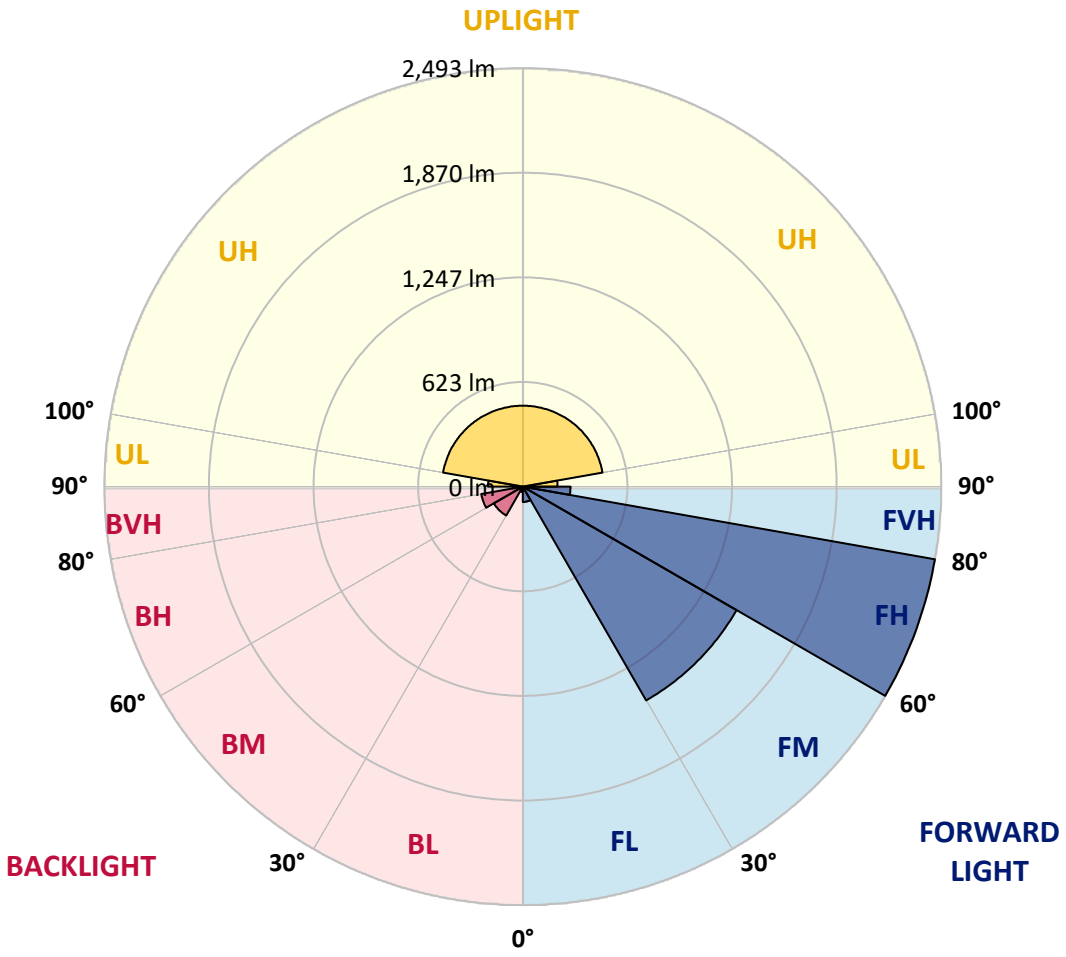
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.8	1.6			
FM	(30°-60°)	1470.6	26.4			
FH	(60°-80°)	2493.0	44.8			G2/5000
FVH	(80°-90°)	284.1	5.1			G3/500
BL	(0°-30°)	30.3	0.5	B0/110		
BM	(30°-60°)	198.6	3.6	B0/220		
BH	(60°-80°)	251.3	4.5	B1/500		G1/500
BVH	(80°-90°)	59.7	1.1			G1/100
UL	(90°-100°)	207.3	3.7		U3/500	
UH	(100°-180°)	482.0	8.7		U3/500	

BUG Rating: B1-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	190.6	190.6	190.6	190.6	190.6	190.6	190.6	*190.6*	190.6	190.6	190.6
2.5°	104.3	108.3	132.0	156.4	163.3	148.3	128.3	*130.7*	141.7	194.3	217.5
5°	122.2	123.4	121.4	124.2	141.3	162.9	150.3	*135.6*	116.1	83.9	83.1
7.5°	140.5	140.5	139.7	129.5	117.7	114.0	125.0	*127.1*	125.0	104.3	90.0
10°	153.1	153.1	152.7	153.5	154.4	150.3	132.4	*125.4*	118.1	109.2	105.1
12.5°	185.7	186.5	191.8	189.0	178.4	167.4	169.4	*167.4*	156.4	137.3	121.4
15°	227.3	228.9	229.7	219.1	202.0	181.6	168.6	*165.4*	163.3	152.3	136.4
17.5°	248.9	248.0	238.3	227.3	216.3	201.6	189.4	*184.5*	177.2	163.3	146.2
20°	246.4	246.4	236.6	234.2	235.0	226.0	210.6	*204.5*	196.3	183.3	159.7
22.5°	253.3	253.7	247.6	249.7	258.6	249.7	234.6	*230.5*	222.8	204.0	180.0
25°	279.8	279.8	272.9	270.0	277.8	274.5	266.0	*261.1*	250.1	227.3	184.9
27.5°	303.8	302.2	295.7	296.5	289.2	287.5	285.5	*283.5*	273.7	237.4	187.4
30°	322.6	322.6	316.9	320.5	305.1	307.5	300.2	*305.9*	293.2	251.3	196.7
32.5°	339.7	342.1	340.1	345.0	326.6	337.2	324.6	*330.7*	323.0	276.1	223.2
35°	379.2	382.0	391.4	403.6	381.2	392.2	372.3	*380.8*	373.1	332.3	274.1
37.5°	536.0	531.5	511.1	491.2	469.6	514.8	509.9	*518.1*	505.8	440.3	346.2
40°	539.2	536.8	532.7	520.1	479.4	524.2	526.2	*540.9*	577.5	472.5	374.3
42.5°	553.1	555.9	604.4	610.5	580.0	649.6	630.5	*631.3*	756.7	559.6	483.0
45°	639.8	639.8	655.3	663.1	654.1	854.1	851.2	*826.8*	984.8	698.1	568.2
47.5°	733.5	736.4	764.9	841.5	891.5	1080.9	1137.1	*1078.5*	1285.8	916.0	782.8
50°	1007.6	1013.3	1102.1	1169.3	1263.4	1582.3	1858.8	*1769.7*	2095.1	1397.4	1179.5
52.5°	1206.0	1276.8	1325.7	1578.6	1615.3	2105.3	2462.0	*2431.5*	2649.8	1934.2	1431.6
55°	1435.3	1545.6	1578.2	1970.4	2036.0	2716.6	3086.8	*3141.0*	3154.4	2500.3	1682.9
57.5°	1812.8	1983.9	1990.0	2404.6	2416.0	3424.5	4013.8	*4133.1*	3997.1	3159.3	2079.2
60°	2124.0	2324.4	2257.2	2821.7	2708.4	3997.1	4464.7	*4599.9*	4347.4	3722.6	2356.1
62.5°	2316.6	2510.1	2421.7	3114.9	2884.4	4242.7	4733.9	*4872.8*	4595.0	4021.9	2569.2
65°	*2460.4*	*2675.0*	*2539.0*	*3271.3*	*2884.0*	*4264.7*	*4900.0*	*5017.3*	*4720.0*	*4107.9*	*2631.9*
67.5°	2463.3	2655.9	2486.1	3215.5	2692.2	3916.5	4640.6	*4714.7*	4384.8	3802.8	2445.3
70°	2153.3	2291.8	2103.2	2713.7	2171.6	2972.4	3624.0	*3712.0*	3380.1	2923.5	1894.7
72.5°	1801.8	1856.0	1669.1	2170.4	1700.8	2249.4	2770.4	*2803.3*	2627.8	2190.0	1464.6
75°	1414.9	1394.1	1297.2	1618.1	1293.1	1593.7	2175.7	*2143.9*	2047.4	1611.6	1117.6
77.5°	944.1	905.4	910.3	1110.3	903.4	1054.5	1584.3	*1585.6*	1551.8	1195.0	797.1
80°	575.9	577.1	561.2	704.2	596.3	700.9	1091.9	*1056.1*	1056.9	788.1	558.0
82.5°	450.5	457.8	437.8	507.5	469.6	557.6	713.6	*733.5*	711.9	578.8	411.0
85°	442.3	448.8	428.1	471.2	446.4	532.7	671.2	*669.6*	658.2	536.8	388.6
87.5°	405.2	413.0	397.5	427.6	408.5	493.2	617.9	*609.7*	598.7	505.0	370.6
90°	342.1	356.4	345.8	383.3	356.8	424.4	537.2	*534.0*	528.2	446.4	329.9
92.5°	311.2	314.0	306.3	340.1	310.8	371.9	476.9	*466.7*	454.1	387.3	281.0
95°	278.6	277.4	270.0	297.3	271.3	311.2	405.2	*389.8*	383.3	327.1	234.6
97.5°	223.2	223.6	219.9	238.7	219.9	248.4	304.2	*298.5*	285.5	244.4	179.6
100°	195.5	196.7	194.3	208.9	193.1	211.4	253.3	*252.1*	241.5	208.5	156.8
102.5°	184.9	185.3	188.6	197.5	182.5	195.9	230.9	*231.3*	224.4	194.3	147.4
105°	177.6	177.2	179.6	186.9	173.9	183.7	215.9	*215.9*	206.1	183.3	139.7
107.5°	171.9	171.1	175.1	181.2	172.3	175.1	200.0	*201.6*	192.2	170.7	132.8
110°	165.4	165.0	171.9	176.4	167.8	168.2	189.8	*188.6*	180.0	166.2	130.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	167.8	170.2	178.0	165.4	152.7	153.5	170.2	*172.3*	166.2	151.9	124.2
115°	165.8	168.2	178.4	160.5	141.7	146.6	160.5	*162.1*	153.1	141.3	116.9
117.5°	158.4	159.2	165.4	160.9	141.3	147.0	154.0	*156.8*	150.3	141.3	118.1
120°	187.4	181.2	181.2	174.3	152.3	162.5	175.5	*178.0*	171.9	155.2	117.7
122.5°	172.3	170.2	170.7	161.7	150.7	159.2	174.7	*178.8*	173.5	156.8	117.7
125°	135.6	136.0	134.0	136.8	132.4	135.2	143.4	*149.9*	145.0	136.0	112.0
127.5°	123.4	123.0	120.6	132.8	118.9	124.6	132.4	*136.0*	131.1	121.0	101.4
130°	120.1	120.1	127.1	139.7	131.6	129.1	126.3	*129.9*	129.1	122.6	101.4
132.5°	112.4	112.8	123.0	139.3	136.0	124.6	114.4	*116.5*	120.1	121.8	107.1
135°	112.4	111.2	107.9	111.6	109.6	112.4	109.6	*112.4*	113.2	112.4	93.7
137.5°	119.7	118.9	110.8	105.9	106.3	115.3	115.7	*116.9*	115.7	109.2	90.8
140°	117.3	114.4	108.7	106.7	107.1	116.5	120.1	*121.0*	119.7	107.1	85.5
142.5°	113.2	113.2	114.9	117.3	121.0	164.5	153.1	*163.7*	164.1	151.1	88.0
145°	162.5	164.1	159.2	154.0	167.0	197.9	186.1	*197.5*	205.3	191.0	121.4
147.5°	146.6	149.1	146.2	141.7	158.8	159.2	151.9	*153.1*	155.2	158.4	122.6
150°	103.9	101.0	105.5	102.2	119.3	118.5	108.3	*110.8*	115.3	115.7	97.7
152.5°	77.0	75.8	74.9	74.5	85.9	79.0	75.3	*74.1*	74.9	74.5	70.1
155°	68.0	68.0	67.6	69.6	75.8	70.9	67.2	*67.6*	65.6	64.4	61.9
157.5°	52.9	51.7	52.9	56.6	59.1	54.6	53.4	*52.5*	52.1	50.1	50.9
160°	43.6	43.6	44.4	47.2	48.9	45.6	43.2	*42.4*	42.4	41.5	44.4
162.5°	37.1	37.1	37.9	38.7	39.5	37.9	37.1	*37.1*	36.7	36.7	39.5
165°	31.0	31.0	31.4	33.0	33.4	32.6	32.2	*32.6*	32.6	34.2	36.7
167.5°	28.5	28.5	28.9	29.7	30.1	29.7	31.0	*32.2*	33.4	35.0	35.8
170°	27.3	27.3	27.7	28.1	28.9	29.7	32.2	*33.0*	33.4	33.0	33.0
172.5°	28.1	28.1	28.1	28.9	29.7	31.8	33.8	*33.8*	33.0	32.2	32.2
175°	28.5	28.1	28.5	29.3	30.5	31.8	32.6	*33.4*	33.4	33.0	33.0
177.5°	28.1	28.1	28.5	28.9	28.9	28.9	29.3	*29.7*	29.7	30.1	30.5
180°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	*27.7*	27.7	27.7	27.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.6	190.6	190.6	190.6	190.6	190.6	190.6	190.6	190.6	190.6	190.6
2.5°	213.0	201.2	149.1	99.0	121.4	177.2	206.5	193.5	144.2	83.1	70.5
5°	87.2	97.7	114.0	109.2	98.2	80.6	60.7	60.3	83.5	101.4	103.0
7.5°	83.9	77.0	72.9	80.6	75.3	52.1	44.0	36.7	39.1	57.4	55.0
10°	103.5	101.0	94.1	77.0	56.6	46.8	44.0	44.8	48.1	43.2	42.8
12.5°	115.3	109.2	94.1	89.2	75.8	53.8	44.4	41.1	44.0	55.0	59.5
15°	126.3	117.3	98.6	82.7	68.0	55.8	47.7	41.5	37.1	32.2	31.8
17.5°	136.0	124.6	103.9	85.9	67.6	55.8	46.0	36.2	31.4	29.7	29.7
20°	147.8	137.3	110.8	89.6	68.0	54.6	44.4	35.8	31.4	29.7	29.7
22.5°	163.7	146.2	118.1	91.2	68.8	54.2	43.6	36.7	32.6	30.1	30.1
25°	168.2	154.8	123.0	96.5	72.1	56.2	45.6	37.9	33.4	31.4	31.0
27.5°	171.5	161.3	132.4	101.0	75.8	60.3	48.9	39.5	34.2	32.2	31.8
30°	184.1	175.1	142.5	107.5	80.6	64.4	51.7	42.0	35.8	32.6	31.8
32.5°	211.0	198.3	157.6	114.0	86.8	68.8	55.4	44.4	37.5	33.4	32.6
35°	262.3	252.1	197.5	127.5	93.3	74.5	59.9	47.7	39.5	34.6	34.2
37.5°	321.8	305.9	239.9	148.3	97.7	79.4	64.4	50.9	41.5	36.7	35.8
40°	331.9	286.7	212.6	135.2	98.6	81.9	68.4	54.6	44.0	38.3	37.1
42.5°	416.2	351.9	246.4	139.7	100.6	81.9	69.2	57.0	46.4	39.5	38.7
45°	440.3	350.7	245.2	156.0	110.4	84.3	69.6	58.2	48.5	41.5	40.3
47.5°	561.2	430.1	248.9	165.8	120.6	92.9	72.5	59.1	48.9	42.8	42.4
50°	802.4	575.1	299.4	200.0	144.6	108.3	81.5	61.9	49.7	44.0	43.6
52.5°	990.9	683.0	321.3	239.5	184.1	137.7	97.3	69.2	51.3	44.4	43.6
55°	1177.9	814.6	362.1	282.7	219.1	165.8	121.0	81.0	55.4	45.2	44.4
57.5°	1463.0	977.9	412.6	325.0	259.8	192.2	135.2	91.6	60.3	46.0	44.8
60°	1636.1	1035.7	417.9	346.6	283.1	211.0	140.1	95.7	66.4	49.3	47.2
62.5°	1791.6	1087.9	421.5	356.4	287.1	213.0	140.5	92.5	67.6	54.2	51.7
65°	*1832.0*	*1045.5*	*425.2*	*359.6*	*279.8*	*201.2*	*135.2*	*89.2*	*64.4*	*58.6*	*58.2*
67.5°	1740.7	937.6	400.0	347.4	260.3	180.8	121.8	84.7	62.7	57.0	58.2
70°	1356.3	744.5	366.6	320.1	224.8	152.7	108.3	79.0	61.9	54.2	52.9
72.5°	1068.7	633.3	370.2	305.1	189.8	135.2	95.7	72.1	58.6	52.9	52.1
75°	832.5	530.7	356.4	262.7	154.0	115.3	83.9	64.4	54.6	50.9	50.5
77.5°	610.5	421.1	294.1	202.4	127.1	96.1	73.3	59.1	51.7	48.5	48.1
80°	400.4	297.7	204.9	161.7	109.6	86.8	66.8	55.4	49.7	46.8	46.4
82.5°	340.5	264.3	182.1	148.7	101.4	83.5	65.6	54.2	49.3	46.0	45.6
85°	328.3	270.8	186.1	154.0	96.5	79.8	63.5	53.4	48.1	45.2	44.8
87.5°	308.3	245.2	180.0	138.1	89.2	72.9	59.5	51.3	46.0	43.6	42.8
90°	274.5	209.8	154.8	118.5	84.7	68.4	56.2	48.9	44.8	42.4	41.5
92.5°	221.6	159.2	121.8	104.7	82.7	68.0	55.8	48.9	44.8	42.4	41.5
95°	186.1	136.4	109.2	95.7	77.0	64.4	53.4	47.2	43.6	41.1	41.1
97.5°	147.4	114.0	97.3	85.9	69.2	58.6	50.5	45.2	42.0	39.5	39.5
100°	130.7	105.9	92.5	80.6	65.6	55.4	49.3	44.0	41.1	38.3	38.3
102.5°	124.2	102.6	91.2	76.6	62.7	53.4	47.2	42.4	39.9	37.1	37.1
105°	120.1	101.4	90.4	74.5	59.9	50.9	45.2	40.3	38.3	36.2	35.8
107.5°	116.1	99.8	91.6	73.3	57.4	49.3	45.2	39.9	37.5	35.8	35.8
110°	114.0	100.6	91.2	72.1	56.6	48.9	44.8	40.3	38.3	36.7	36.2

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

Scaled Data Report

REPORT NUMBER: P1046611
CATALOG NUMBER: FFX-CLB-40-730-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	108.7	96.1	87.2	68.4	55.4	47.7	43.2	39.9	37.1	35.4	35.0
115°	103.5	88.4	79.8	65.2	52.5	46.0	42.0	38.7	35.8	34.6	34.6
117.5°	105.5	86.3	73.3	63.9	51.7	44.8	41.1	37.9	35.4	34.6	34.2
120°	104.3	90.8	82.3	68.4	51.3	43.6	40.3	37.1	35.0	34.6	34.6
122.5°	99.8	98.2	90.4	69.6	49.7	44.0	41.1	38.3	36.2	35.0	35.0
125°	96.1	95.3	84.3	62.7	50.9	45.6	43.2	40.3	39.1	37.9	37.5
127.5°	88.8	79.8	70.1	60.3	51.7	46.4	44.0	42.4	41.1	39.1	38.7
130°	89.2	81.9	72.1	60.7	49.7	45.6	44.4	42.8	40.7	37.5	37.1
132.5°	96.9	89.2	71.7	56.2	47.7	45.6	44.8	42.8	38.3	34.6	34.2
135°	80.6	75.3	63.5	53.8	48.5	47.2	46.8	42.4	35.8	33.4	33.0
137.5°	78.6	70.9	61.1	54.2	50.5	48.1	46.4	40.7	33.4	31.0	30.1
140°	74.1	66.8	59.9	55.0	48.9	40.7	37.1	34.2	31.0	28.9	28.5
142.5°	74.1	67.2	56.6	48.5	42.4	37.9	35.8	33.4	29.7	26.9	26.1
145°	87.6	79.4	68.4	61.5	55.0	48.1	41.1	33.8	27.7	24.0	23.6
147.5°	99.4	89.6	81.0	69.6	59.1	47.7	37.9	29.7	25.3	23.6	23.6
150°	81.5	72.5	68.0	58.2	48.9	39.1	32.2	27.7	25.3	24.4	24.4
152.5°	61.1	51.3	48.1	42.8	37.1	32.2	28.9	26.5	25.7	25.3	25.3
155°	57.0	48.9	44.8	39.9	34.2	30.1	28.1	26.9	26.1	25.7	25.7
157.5°	49.7	45.2	39.9	36.2	32.2	29.3	28.1	27.3	26.5	26.1	26.1
160°	44.4	41.1	36.2	33.4	30.5	29.3	29.3	28.9	27.7	27.3	27.3
162.5°	39.9	38.7	34.2	31.8	30.5	31.0	33.0	32.6	30.5	28.9	28.5
165°	37.1	35.8	32.6	31.4	30.5	32.2	36.2	35.4	32.2	30.1	30.1
167.5°	35.4	34.6	32.2	31.0	31.4	34.6	38.3	38.7	35.8	33.0	32.6
170°	32.6	32.6	32.2	32.6	32.6	34.2	36.2	37.5	37.5	38.3	37.9
172.5°	32.2	32.6	33.8	33.8	33.4	33.8	35.4	37.5	38.7	39.9	40.3
175°	33.0	33.4	34.2	34.6	34.6	35.4	37.9	39.5	40.3	39.9	39.9
177.5°	30.5	31.0	31.4	33.0	33.8	34.6	37.1	37.9	38.7	39.5	39.5
180°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7

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: SP1-2501-332-9

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

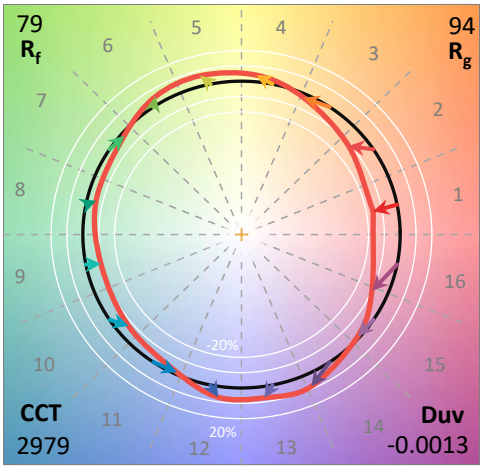
Test Information

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

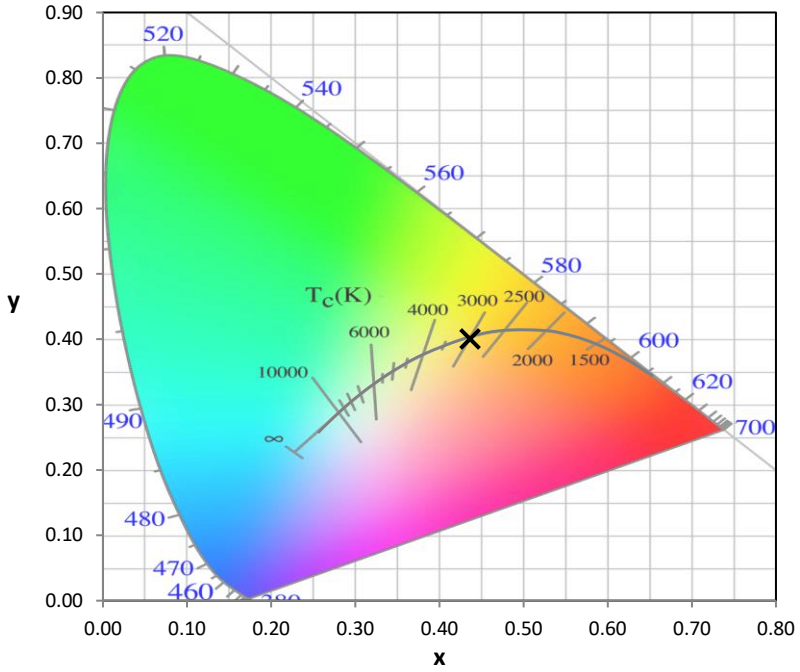
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

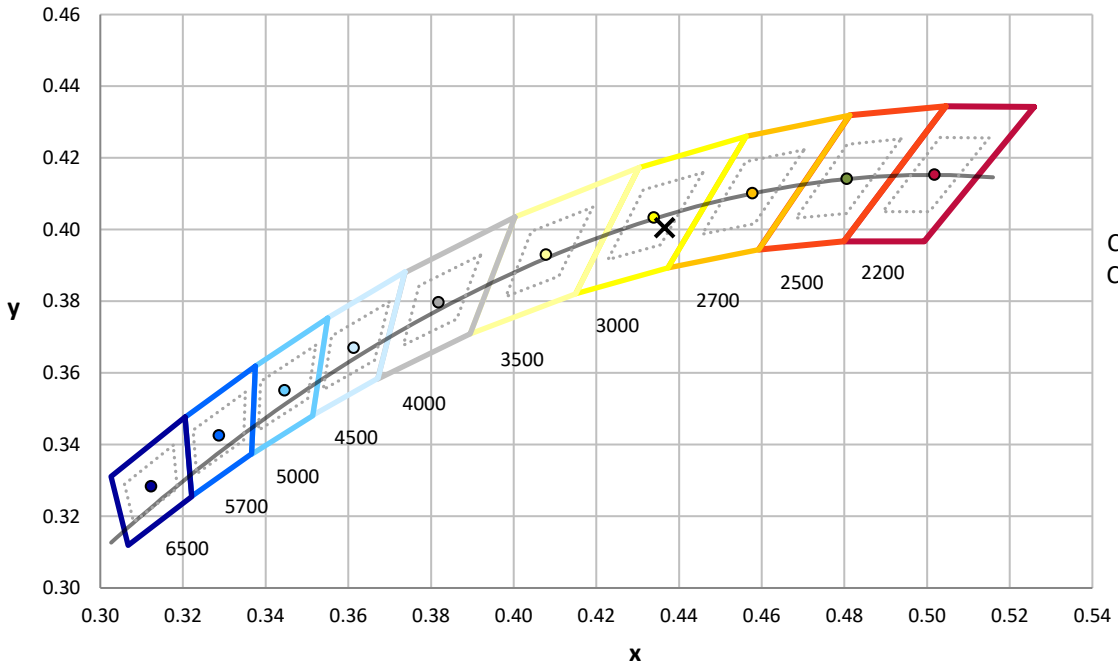
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

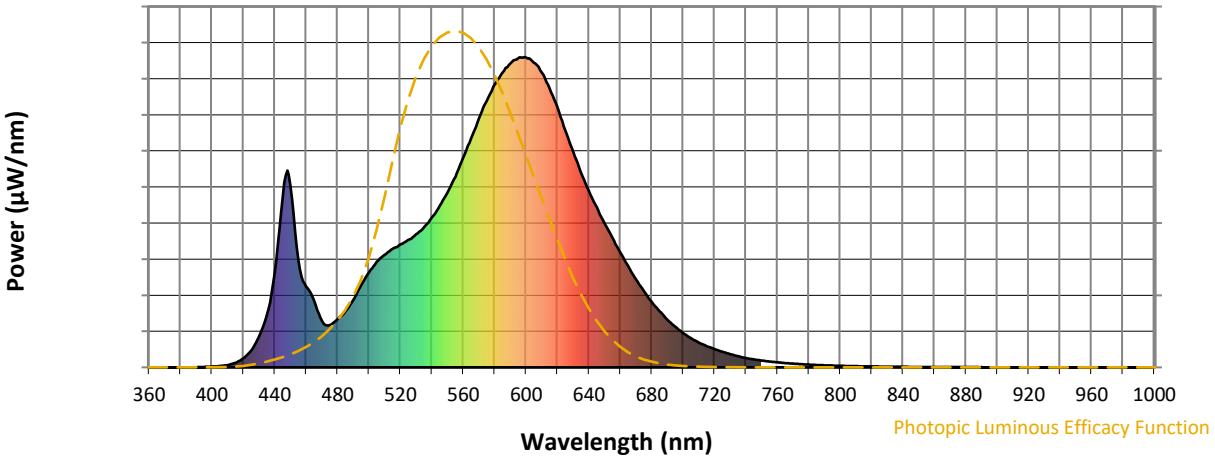


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

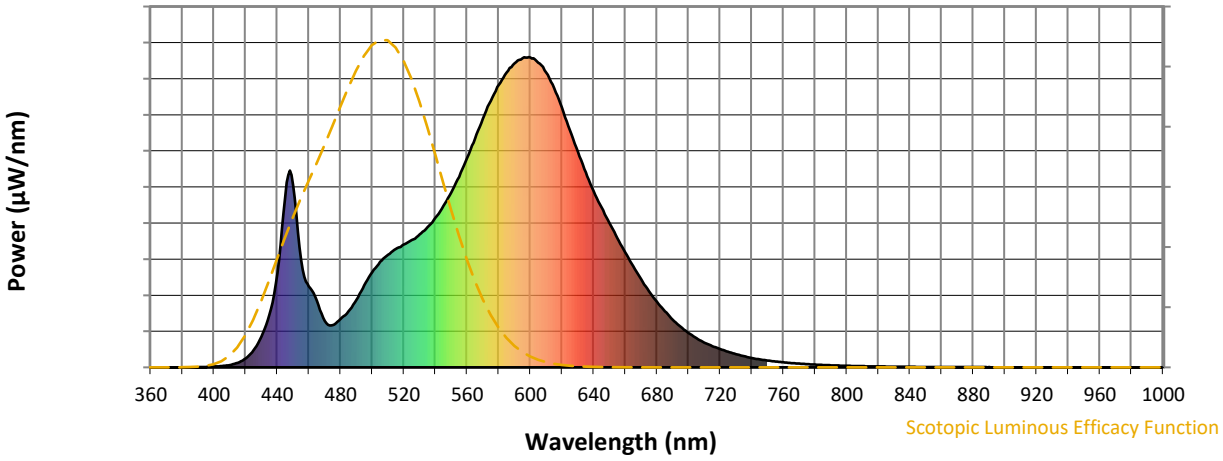


Photopic Lumens: NR

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

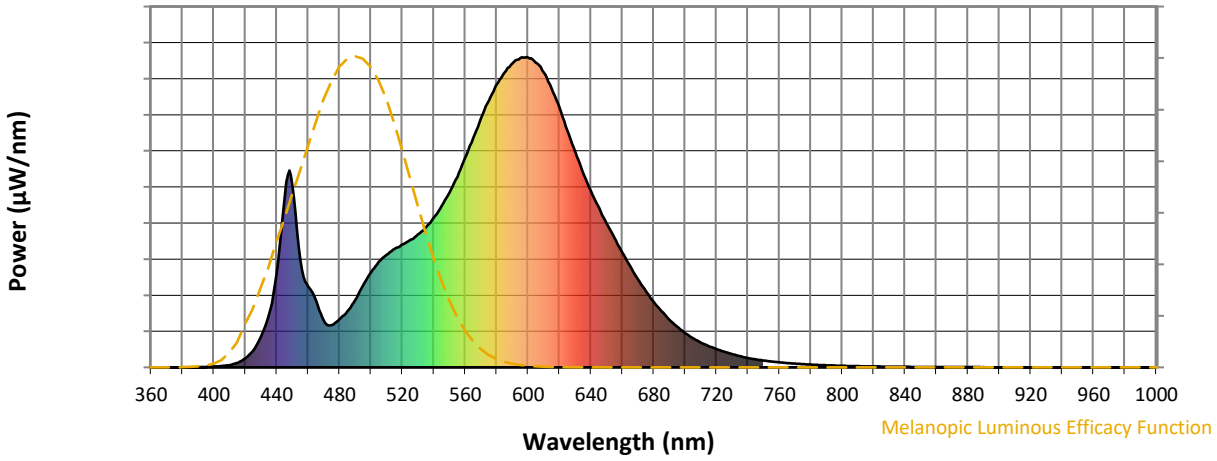


Scotopic Lumens: NR **S/P: 1.29**

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			

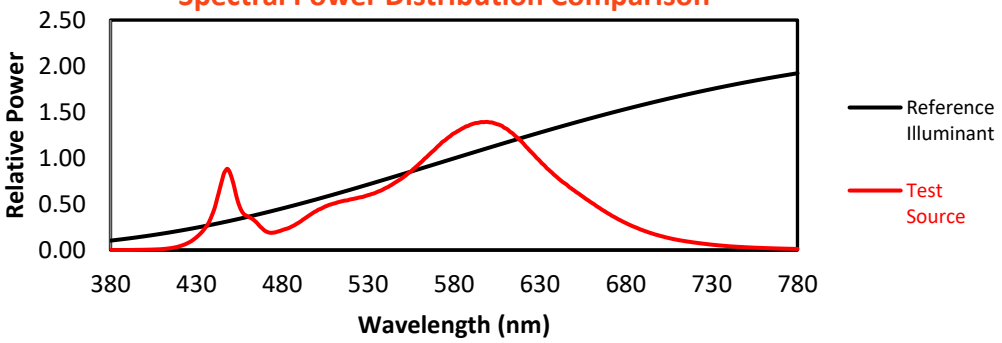
REPORT NUMBER: SP1-2501-332-9

TM-30-18

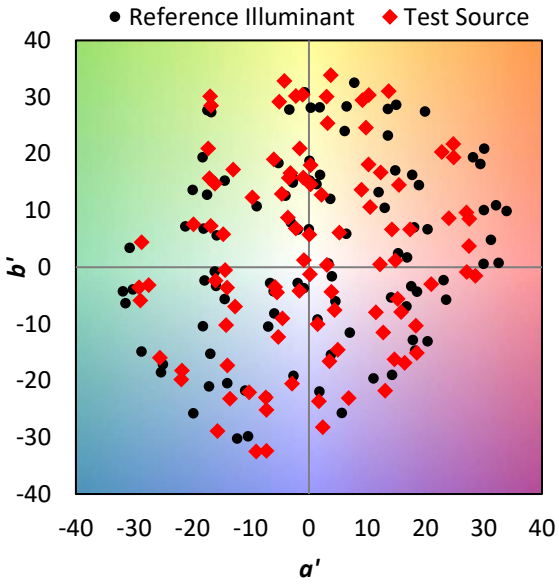
Summary

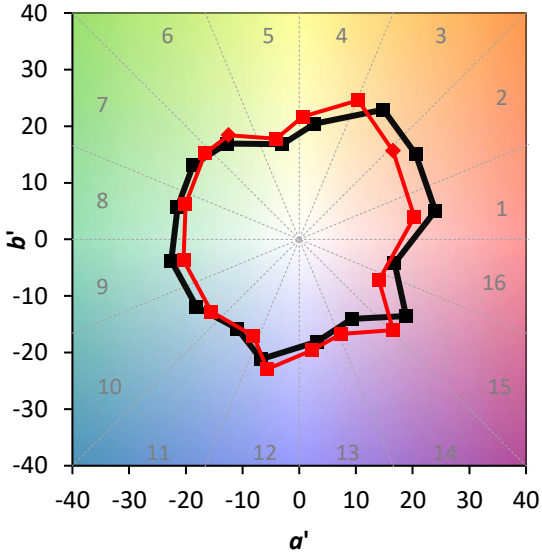
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

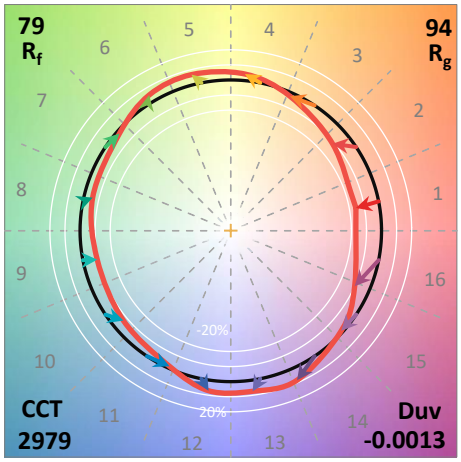
Spectral Power Distribution Comparison

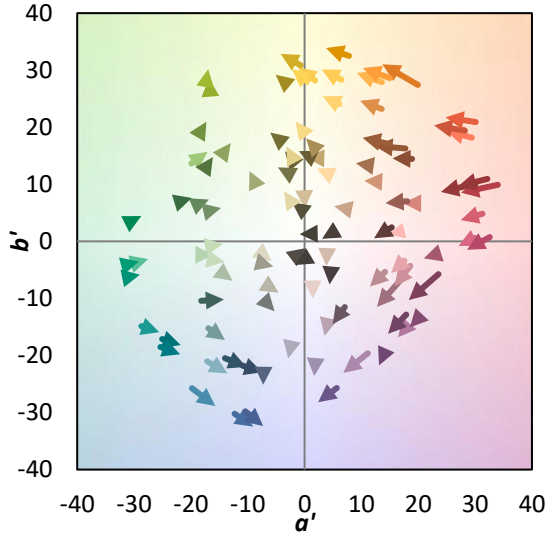


Color Vector Graphics







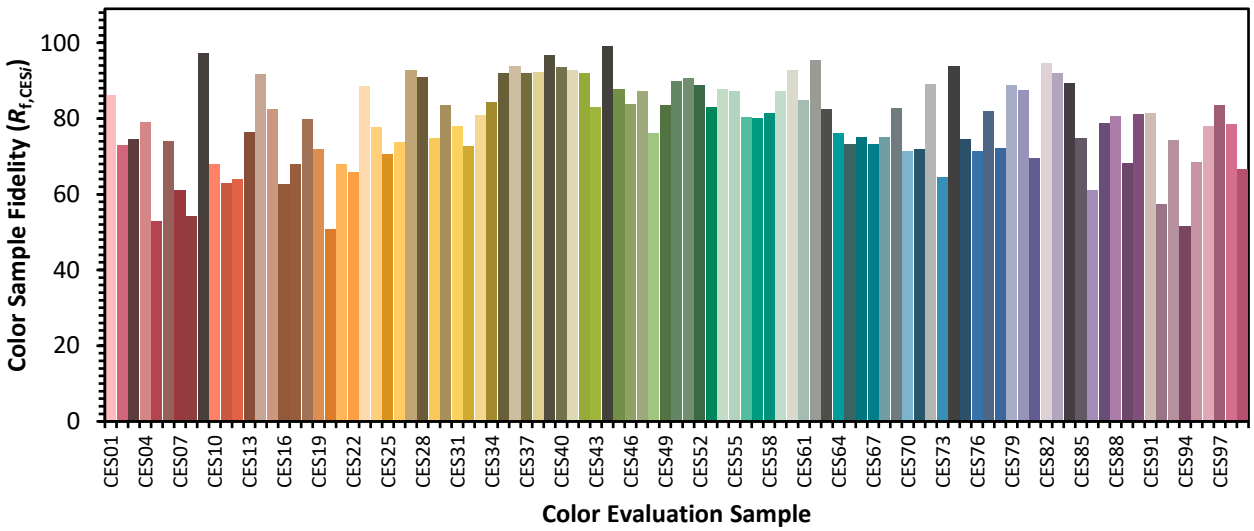


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

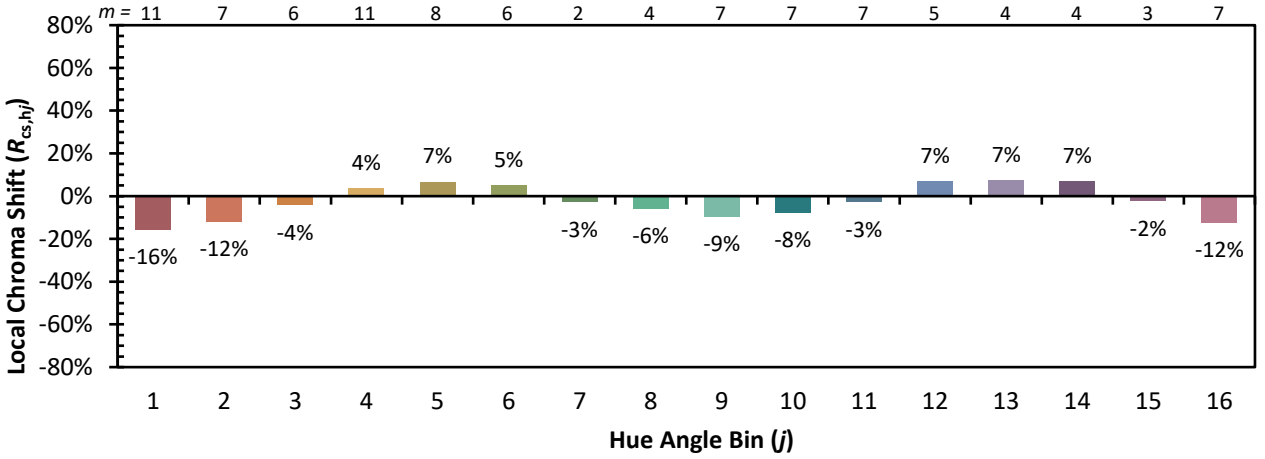
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 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	

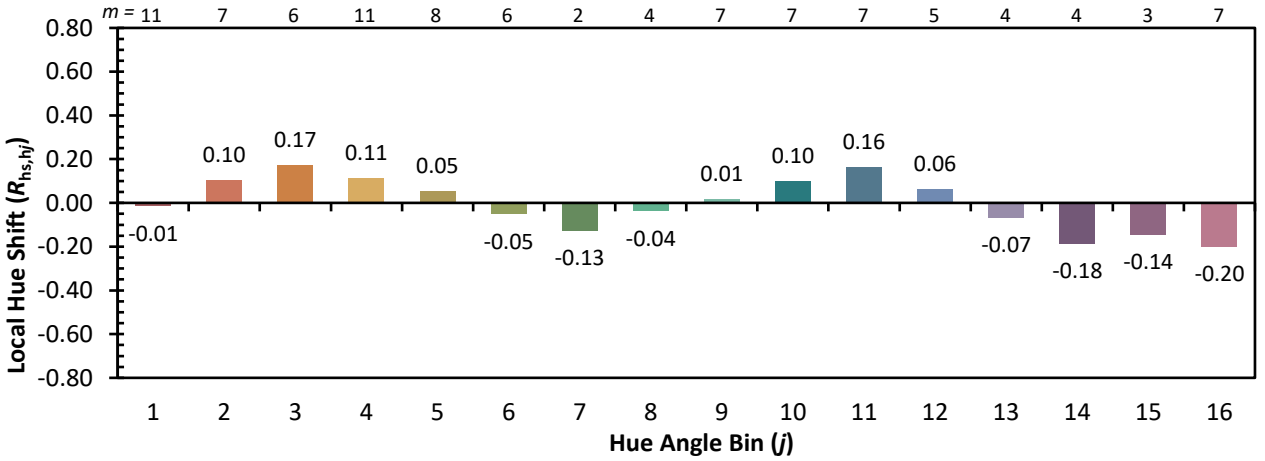


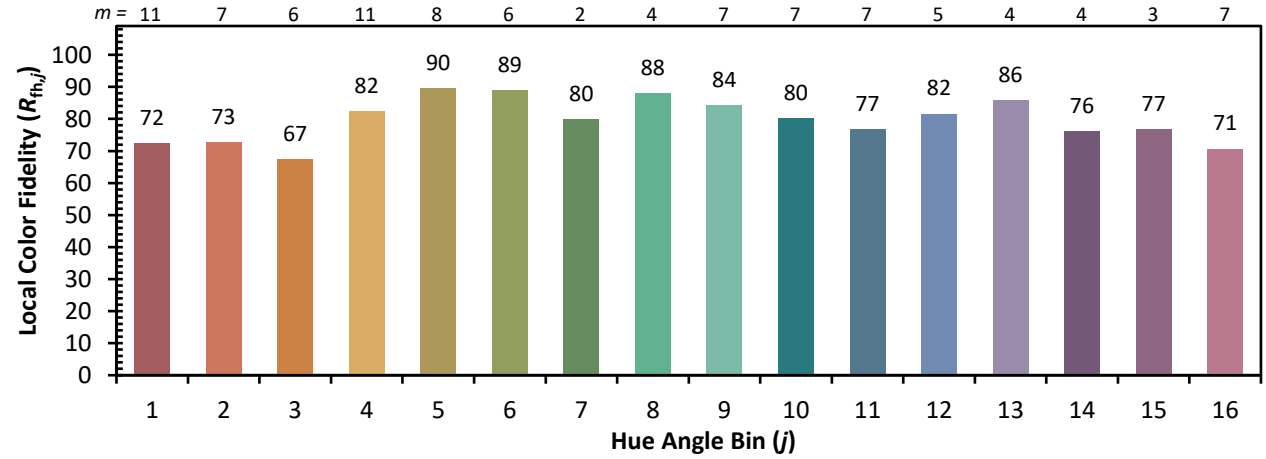
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Color Rendition by Hue-Angle Bin



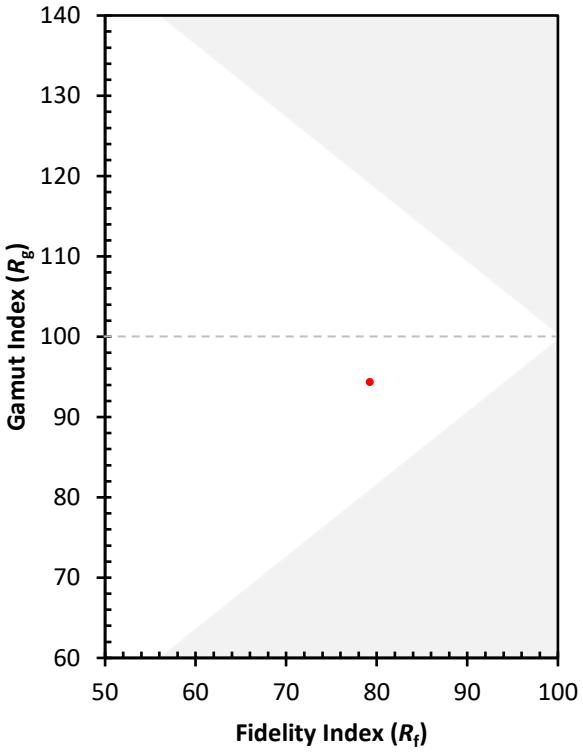


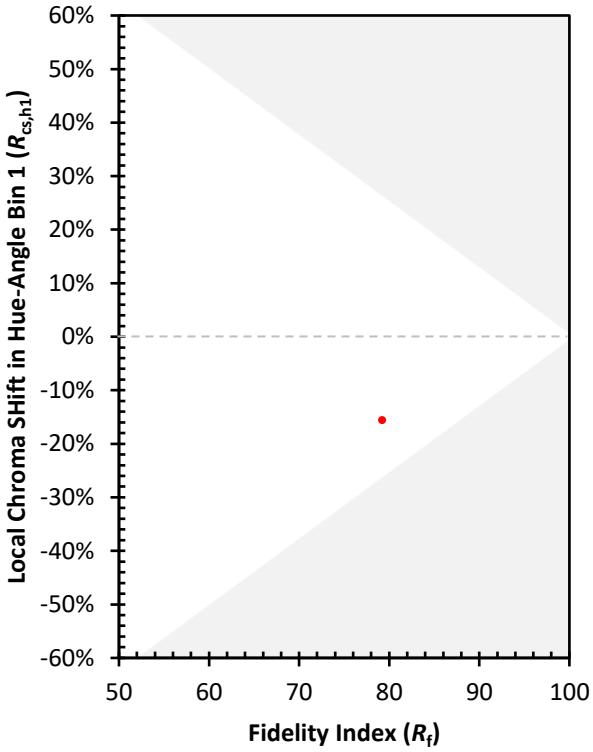


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Measure Comparisons





(END OF REPORT)