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: P1046593

Luminaire Tested: **FFX-CLB-40-722-U-FR-T3-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:	P1046593
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-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4689.5 lumens
Efficiency:	N/A
Efficacy:	119.0 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

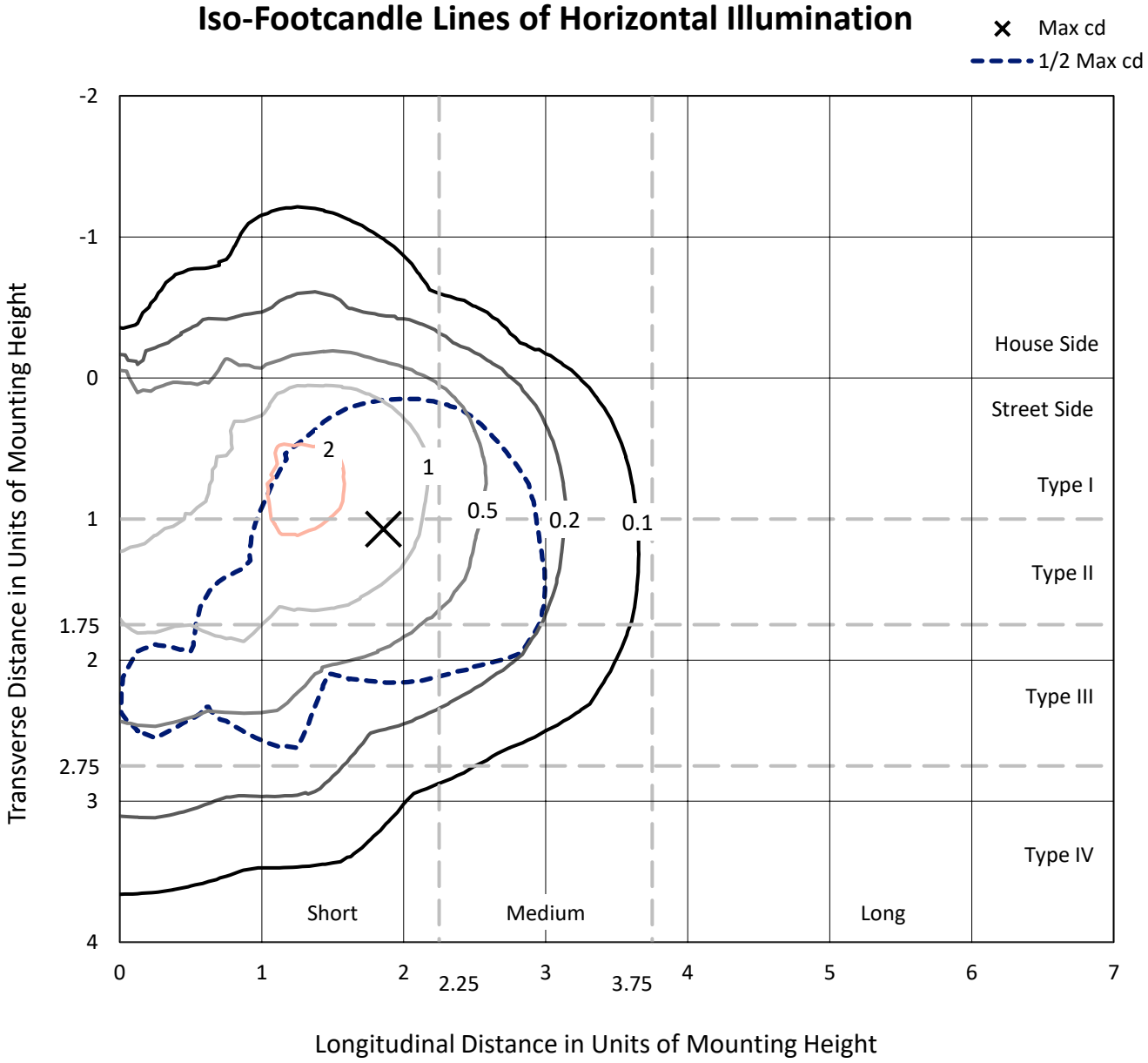


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Iso-Footcandle Lines of Horizontal Illumination



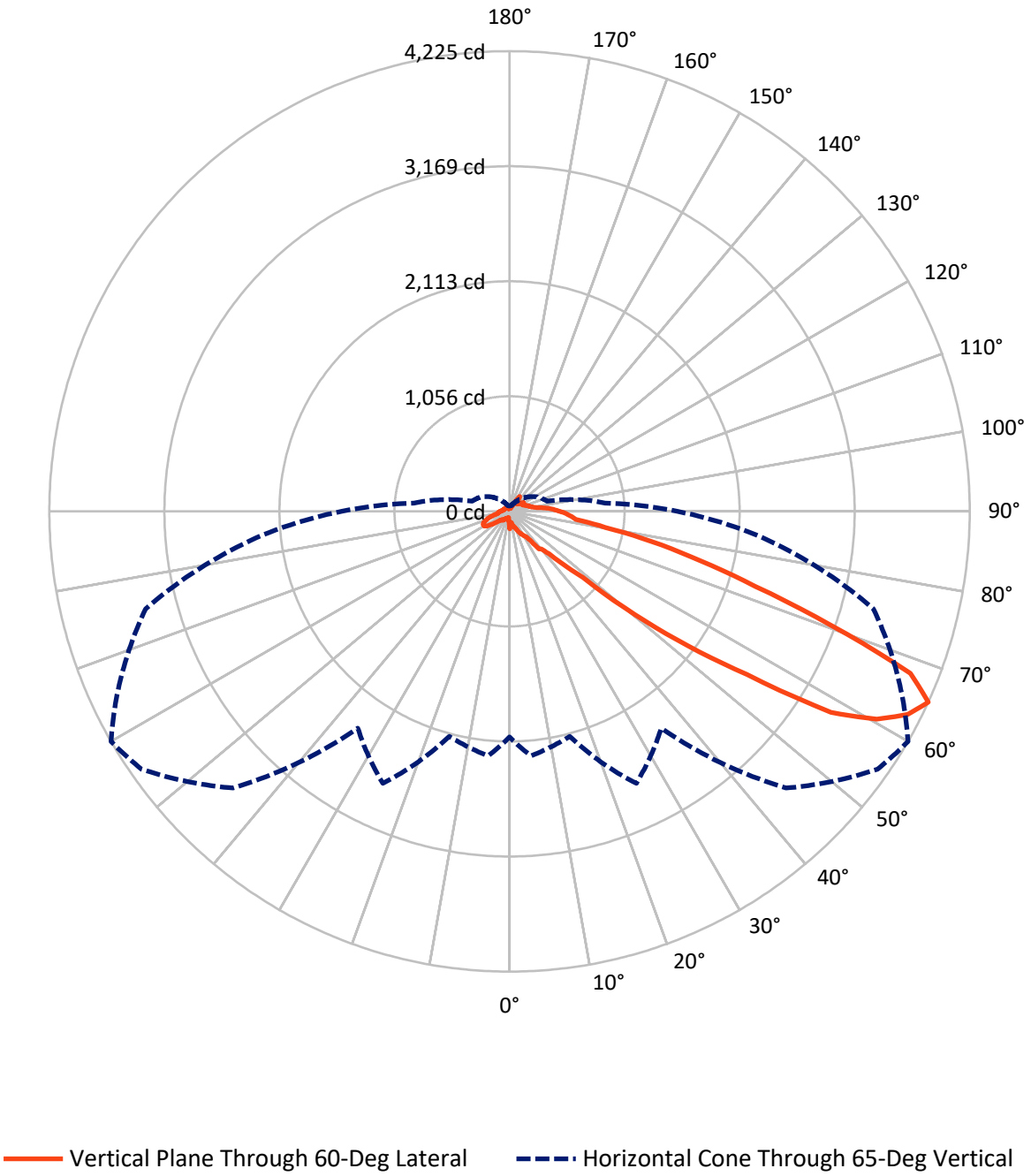
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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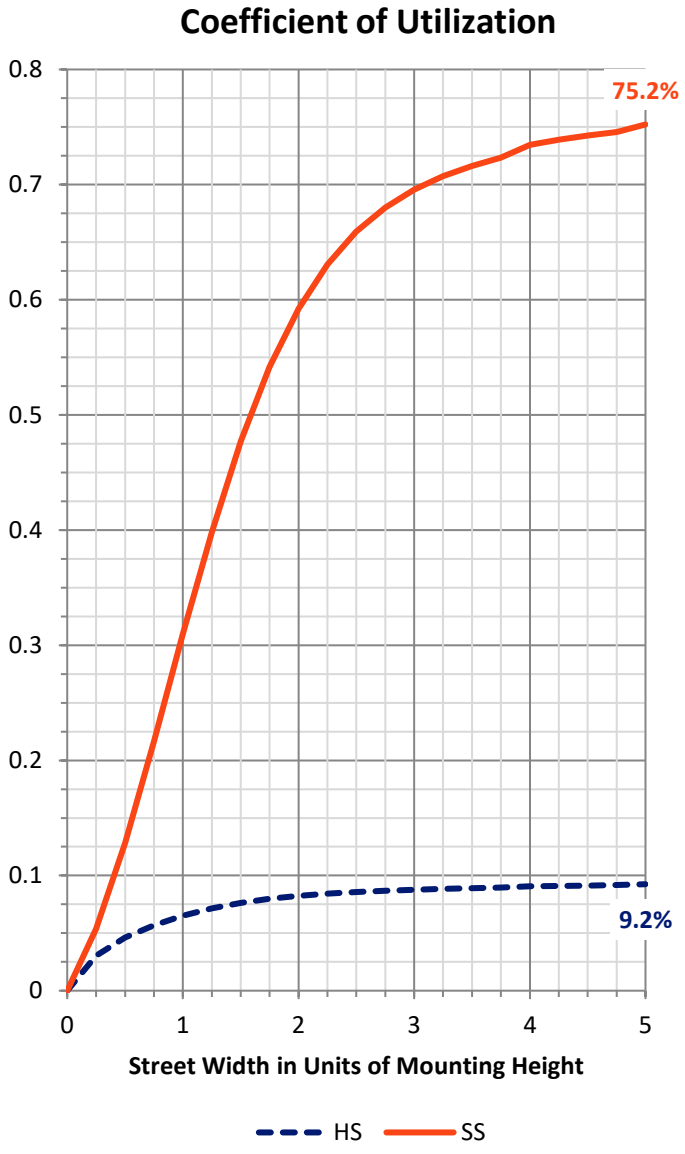
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.7	146.7	601.4
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	3654.3	433.8	4088.0
	% Fixture	77.9	9.2	87.2
Total	Lumens	4108.9	580.5	4689.5
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.2
10°-20°	30.0	0.6
20°-30°	64.2	1.4
30°-40°	131.7	2.8
40°-50°	308.6	6.6
50°-60°	965.3	20.6
60°-70°	1511.4	32.2
70°-80°	799.6	17.1
80°-90°	289.5	6.2
90°-100°	174.6	3.7
100°-110°	109.4	2.3
110°-120°	88.4	1.9
120°-130°	73.7	1.6
130°-140°	53.7	1.1
140°-150°	49.4	1.1
150°-160°	20.5	0.4
160°-170°	8.2	0.2
170°-180°	2.6	0.1
0°-90°	4108.9	87.6
0°-180°	4689.5	100.0



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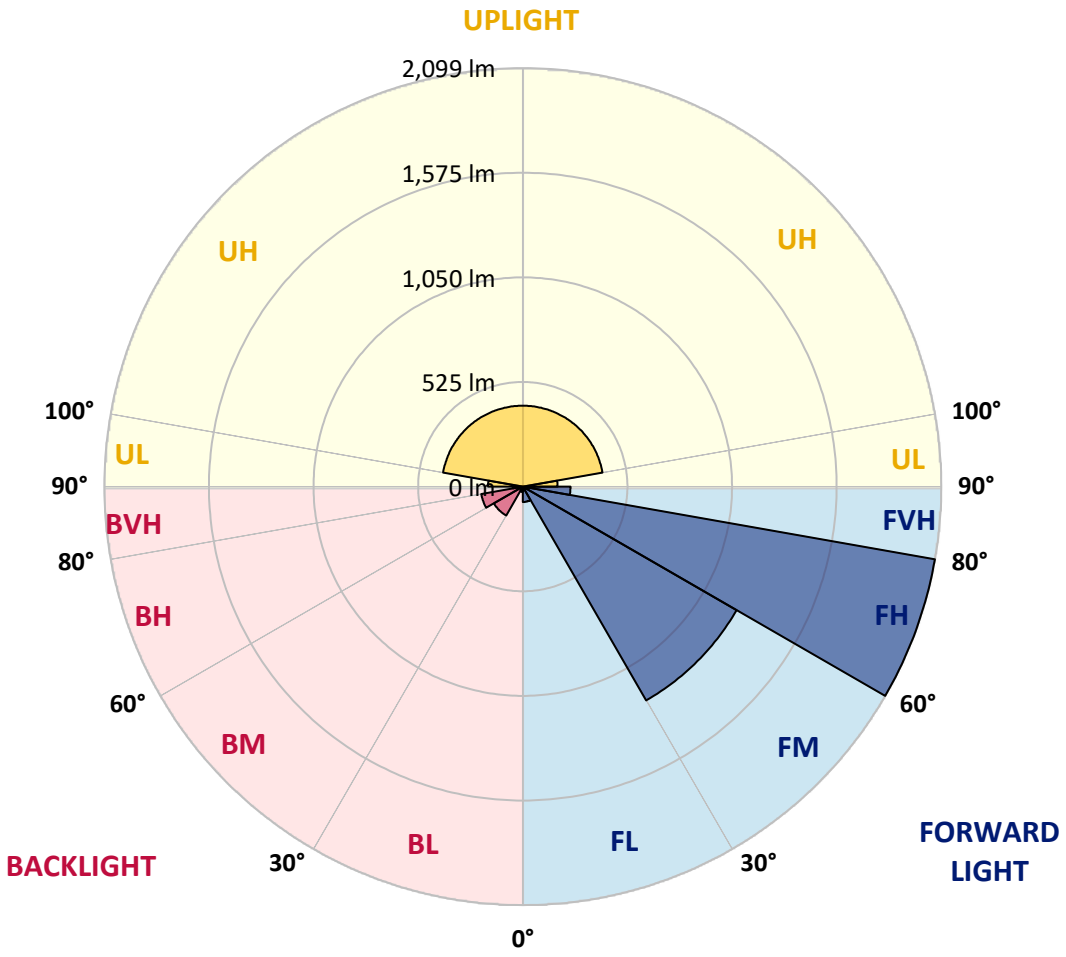
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	77.3	1.6			
FM	(30°-60°)	1238.4	26.4			
FH	(60°-80°)	2099.4	44.8			G2/5000
FVH	(80°-90°)	239.2	5.1			G3/500
BL	(0°-30°)	25.5	0.5	B0/110		
BM	(30°-60°)	167.2	3.6	B0/220		
BH	(60°-80°)	211.7	4.5	B1/500		G1/500
BVH	(80°-90°)	50.3	1.1			G1/100
UL	(90°-100°)	174.6	3.7		U3/500	
UH	(100°-180°)	405.9	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°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	87.8	91.2	111.1	131.7	137.5	124.8	108.0	110.1	119.4	163.6	183.1
5°	102.9	103.9	102.2	104.6	119.0	137.2	126.6	114.2	97.7	70.7	70.0
7.5°	118.3	118.3	117.6	109.1	99.1	96.0	105.3	107.0	105.3	87.8	75.8
10°	129.0	129.0	128.6	129.3	130.0	126.6	111.5	105.6	99.5	91.9	88.5
12.5°	156.4	157.1	161.5	159.1	150.2	141.0	142.7	141.0	131.7	115.6	102.2
15°	191.4	192.8	193.4	184.5	170.1	153.0	142.0	139.2	137.5	128.3	114.9
17.5°	209.6	208.9	200.6	191.4	182.1	169.8	159.5	155.4	149.2	137.5	123.1
20°	207.5	207.5	199.3	197.2	197.9	190.4	177.3	172.2	165.3	154.3	134.4
22.5°	213.3	213.7	208.5	210.2	217.8	210.2	197.6	194.1	187.6	171.8	151.6
25°	235.6	235.6	229.8	227.4	233.9	231.2	224.0	219.8	210.6	191.4	155.7
27.5°	255.9	254.5	249.0	249.7	243.5	242.1	240.4	238.7	230.5	200.0	157.8
30°	271.6	271.6	266.8	269.9	256.9	258.9	252.8	257.6	246.9	211.6	165.7
32.5°	286.0	288.1	286.4	290.5	275.1	284.0	273.4	278.5	272.0	232.5	188.0
35°	319.3	321.7	329.6	339.9	321.0	330.3	313.5	320.7	314.2	279.9	230.8
37.5°	451.4	447.6	430.4	413.6	395.5	433.5	429.4	436.3	426.0	370.8	291.5
40°	454.1	452.0	448.6	438.0	403.7	441.4	443.1	455.5	486.3	397.9	315.2
42.5°	465.8	468.2	509.0	514.1	488.4	547.0	530.9	531.6	637.3	471.3	406.8
45°	538.8	538.8	551.9	558.4	550.8	719.2	716.8	696.2	829.3	587.9	478.5
47.5°	617.7	620.1	644.1	708.6	750.8	910.3	957.6	908.2	1082.8	771.4	659.2
50°	848.5	853.3	928.1	984.7	1063.9	1332.5	1565.3	1490.2	1764.3	1176.8	993.3
52.5°	1015.6	1075.2	1116.4	1329.4	1360.2	1772.8	2073.3	2047.6	2231.4	1628.8	1205.6
55°	1208.7	1301.6	1329.0	1659.3	1714.5	2287.7	2599.4	2645.0	2656.4	2105.5	1417.2
57.5°	1526.6	1670.6	1675.8	2024.9	2034.5	2883.8	3380.0	3480.5	3366.0	2660.5	1750.9
60°	1788.6	1957.4	1900.8	2376.1	2280.8	3366.0	3759.7	3873.6	3660.9	3134.8	1984.1
62.5°	1950.9	2113.8	2039.3	2623.1	2429.0	3572.8	3986.4	4103.4	3869.5	3386.9	2163.5
65°	2071.9	2252.7	2138.1	2754.8	2428.6	3591.3	4126.4	4225.1	3974.8	3459.3	2216.3
67.5°	2074.3	2236.6	2093.5	2707.8	2267.1	3298.1	3907.9	3970.3	3692.5	3202.4	2059.2
70°	1813.3	1929.9	1771.1	2285.3	1828.8	2503.0	3051.8	3125.9	2846.4	2461.9	1595.5
72.5°	1517.3	1562.9	1405.5	1827.7	1432.3	1894.3	2332.9	2360.7	2212.9	1844.2	1233.3
75°	1191.5	1174.0	1092.4	1362.6	1089.0	1342.1	1832.2	1805.4	1724.1	1357.2	941.1
77.5°	795.0	762.4	766.6	935.0	760.7	888.0	1334.2	1335.2	1306.7	1006.3	671.2
80°	485.0	486.0	472.6	593.0	502.1	590.3	919.5	889.3	890.0	663.7	469.9
82.5°	379.3	385.5	368.7	427.3	395.5	469.5	600.9	617.7	599.5	487.4	346.1
85°	372.5	378.0	360.5	396.8	375.9	448.6	565.2	563.9	554.3	452.0	327.2
87.5°	341.3	347.8	334.7	360.1	344.0	415.3	520.3	513.4	504.2	425.3	312.1
90°	288.1	300.1	291.2	322.7	300.4	357.4	452.4	449.6	444.8	375.9	277.8
92.5°	262.0	264.4	257.9	286.4	261.7	313.1	401.6	393.1	382.4	326.2	236.7
95°	234.6	233.6	227.4	250.4	228.4	262.0	341.3	328.2	322.7	275.4	197.6
97.5°	188.0	188.3	185.2	201.0	185.2	209.2	256.2	251.4	240.4	205.8	151.3
100°	164.6	165.7	163.6	175.9	162.6	178.0	213.3	212.3	203.4	175.6	132.0
102.5°	155.7	156.1	158.8	166.3	153.7	165.0	194.5	194.8	189.0	163.6	124.2
105°	149.5	149.2	151.3	157.4	146.5	154.7	181.8	181.8	173.5	154.3	117.6
107.5°	144.7	144.1	147.5	152.6	145.1	147.5	168.4	169.8	161.9	143.7	111.8
110°	139.2	138.9	144.7	148.5	141.3	141.6	159.8	158.8	151.6	139.9	110.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	141.3	143.4	149.9	139.2	128.6	129.3	143.4	*145.1*	139.9	127.9	104.6
115°	139.6	141.6	150.2	135.1	119.4	123.5	135.1	*136.5*	129.0	119.0	98.4
117.5°	133.4	134.1	139.2	135.5	119.0	123.8	129.6	*132.0*	126.6	119.0	99.5
120°	157.8	152.6	152.6	146.8	128.3	136.8	147.8	*149.9*	144.7	130.7	99.1
122.5°	145.1	143.4	143.7	136.2	126.9	134.1	147.1	*150.6*	146.1	132.0	99.1
125°	114.2	114.6	112.8	115.2	111.5	113.9	120.7	*126.2*	122.1	114.6	94.3
127.5°	103.9	103.6	101.5	111.8	100.1	105.0	111.5	*114.6*	110.4	101.9	85.4
130°	101.2	101.2	107.0	117.6	110.8	108.7	106.3	*109.4*	108.7	103.2	85.4
132.5°	94.7	95.0	103.6	117.3	114.6	105.0	96.4	*98.1*	101.2	102.6	90.2
135°	94.7	93.6	90.9	94.0	92.3	94.7	92.3	*94.7*	95.3	94.7	78.9
137.5°	100.8	100.1	93.3	89.2	89.5	97.1	97.4	*98.4*	97.4	91.9	76.5
140°	98.8	96.4	91.6	89.9	90.2	98.1	101.2	*101.9*	100.8	90.2	72.0
142.5°	95.3	95.3	96.7	98.8	101.9	138.6	129.0	*137.9*	138.2	127.2	74.1
145°	136.8	138.2	134.1	129.6	140.6	166.7	156.7	*166.3*	172.9	160.9	102.2
147.5°	123.5	125.5	123.1	119.4	133.8	134.1	127.9	*129.0*	130.7	133.4	103.2
150°	87.5	85.1	88.8	86.1	100.5	99.8	91.2	*93.3*	97.1	97.4	82.3
152.5°	64.8	63.8	63.1	62.8	72.4	66.5	63.5	*62.4*	63.1	62.8	59.0
155°	57.3	57.3	56.9	58.6	63.8	59.7	56.6	*56.9*	55.2	54.2	52.1
157.5°	44.6	43.6	44.6	47.7	49.7	46.0	44.9	*44.2*	43.9	42.2	42.9
160°	36.7	36.7	37.4	39.8	41.2	38.4	36.4	*35.7*	35.7	35.0	37.4
162.5°	31.2	31.2	31.9	32.6	33.3	31.9	31.2	*31.2*	30.9	30.9	33.3
165°	26.1	26.1	26.4	27.8	28.1	27.4	27.1	*27.4*	27.4	28.8	30.9
167.5°	24.0	24.0	24.4	25.0	25.4	25.0	26.1	*27.1*	28.1	29.5	30.2
170°	23.0	23.0	23.3	23.7	24.4	25.0	27.1	*27.8*	28.1	27.8	27.8
172.5°	23.7	23.7	23.7	24.4	25.0	26.8	28.5	*28.5*	27.8	27.1	27.1
175°	24.0	23.7	24.0	24.7	25.7	26.8	27.4	*28.1*	28.1	27.8	27.8
177.5°	23.7	23.7	24.0	24.4	24.4	24.4	24.7	*25.0*	25.0	25.4	25.7
180°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	*23.3*	23.3	23.3	23.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	179.4	169.4	125.5	83.3	102.2	149.2	173.9	162.9	121.4	70.0	59.3
5°	73.4	82.3	96.0	91.9	82.7	67.9	51.1	50.8	70.3	85.4	86.8
7.5°	70.7	64.8	61.4	67.9	63.5	43.9	37.0	30.9	32.9	48.4	46.3
10°	87.1	85.1	79.2	64.8	47.7	39.4	37.0	37.7	40.5	36.4	36.0
12.5°	97.1	91.9	79.2	75.1	63.8	45.3	37.4	34.6	37.0	46.3	50.1
15°	106.3	98.8	83.0	69.6	57.3	47.0	40.1	35.0	31.2	27.1	26.8
17.5°	114.6	105.0	87.5	72.4	56.9	47.0	38.8	30.5	26.4	25.0	25.0
20°	124.5	115.6	93.3	75.5	57.3	46.0	37.4	30.2	26.4	25.0	25.0
22.5°	137.9	123.1	99.5	76.8	58.0	45.6	36.7	30.9	27.4	25.4	25.4
25°	141.6	130.3	103.6	81.3	60.7	47.3	38.4	31.9	28.1	26.4	26.1
27.5°	144.4	135.8	111.5	85.1	63.8	50.8	41.2	33.3	28.8	27.1	26.8
30°	155.0	147.5	120.0	90.5	67.9	54.2	43.6	35.3	30.2	27.4	26.8
32.5°	177.7	167.0	132.7	96.0	73.1	58.0	46.6	37.4	31.6	28.1	27.4
35°	220.9	212.3	166.3	107.4	78.5	62.8	50.4	40.1	33.3	29.2	28.8
37.5°	271.0	257.6	202.0	124.8	82.3	66.9	54.2	42.9	35.0	30.9	30.2
40°	279.5	241.5	179.0	113.9	83.0	68.9	57.6	46.0	37.0	32.2	31.2
42.5°	350.5	296.3	207.5	117.6	84.7	68.9	58.3	48.0	39.1	33.3	32.6
45°	370.8	295.3	206.5	131.4	92.9	71.0	58.6	49.0	40.8	35.0	34.0
47.5°	472.6	362.2	209.6	139.6	101.5	78.2	61.0	49.7	41.2	36.0	35.7
50°	675.7	484.3	252.1	168.4	121.8	91.2	68.6	52.1	41.8	37.0	36.7
52.5°	834.5	575.2	270.6	201.7	155.0	115.9	82.0	58.3	43.2	37.4	36.7
55°	991.9	686.0	304.9	238.0	184.5	139.6	101.9	68.3	46.6	38.1	37.4
57.5°	1232.0	823.5	347.4	273.7	218.8	161.9	113.9	77.2	50.8	38.8	37.7
60°	1377.7	872.2	351.9	291.9	238.4	177.7	118.0	80.6	55.9	41.5	39.8
62.5°	1508.8	916.1	355.0	300.1	241.8	179.4	118.3	77.9	56.9	45.6	43.6
65°	*1542.7*	*880.4*	*358.1*	*302.8*	*235.6*	*169.4*	*113.9*	*75.1*	*54.2*	*49.4*	*49.0*
67.5°	1465.9	789.5	336.8	292.6	219.2	152.3	102.6	71.3	52.8	48.0	49.0
70°	1142.1	627.0	308.7	269.6	189.3	128.6	91.2	66.5	52.1	45.6	44.6
72.5°	900.0	533.3	311.8	256.9	159.8	113.9	80.6	60.7	49.4	44.6	43.9
75°	701.0	446.9	300.1	221.2	129.6	97.1	70.7	54.2	46.0	42.9	42.5
77.5°	514.1	354.6	247.6	170.5	107.0	80.9	61.7	49.7	43.6	40.8	40.5
80°	337.1	250.7	172.5	136.2	92.3	73.1	56.2	46.6	41.8	39.4	39.1
82.5°	286.7	222.6	153.3	125.2	85.4	70.3	55.2	45.6	41.5	38.8	38.4
85°	276.4	228.1	156.7	129.6	81.3	67.2	53.5	44.9	40.5	38.1	37.7
87.5°	259.6	206.5	151.6	116.3	75.1	61.4	50.1	43.2	38.8	36.7	36.0
90°	231.2	176.6	130.3	99.8	71.3	57.6	47.3	41.2	37.7	35.7	35.0
92.5°	186.6	134.1	102.6	88.1	69.6	57.3	47.0	41.2	37.7	35.7	35.0
95°	156.7	114.9	91.9	80.6	64.8	54.2	44.9	39.8	36.7	34.6	34.6
97.5°	124.2	96.0	82.0	72.4	58.3	49.4	42.5	38.1	35.3	33.3	33.3
100°	110.1	89.2	77.9	67.9	55.2	46.6	41.5	37.0	34.6	32.2	32.2
102.5°	104.6	86.4	76.8	64.5	52.8	44.9	39.8	35.7	33.6	31.2	31.2
105°	101.2	85.4	76.1	62.8	50.4	42.9	38.1	34.0	32.2	30.5	30.2
107.5°	97.7	84.0	77.2	61.7	48.4	41.5	38.1	33.6	31.6	30.2	30.2
110°	96.0	84.7	76.8	60.7	47.7	41.2	37.7	34.0	32.2	30.9	30.5

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

Scaled Data Report

REPORT NUMBER: P1046593
CATALOG NUMBER: FFX-CLB-40-722-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	91.6	80.9	73.4	57.6	46.6	40.1	36.4	33.6	31.2	29.8	29.5
115°	87.1	74.4	67.2	54.9	44.2	38.8	35.3	32.6	30.2	29.2	29.2
117.5°	88.8	72.7	61.7	53.8	43.6	37.7	34.6	31.9	29.8	29.2	28.8
120°	87.8	76.5	69.3	57.6	43.2	36.7	34.0	31.2	29.5	29.2	29.2
122.5°	84.0	82.7	76.1	58.6	41.8	37.0	34.6	32.2	30.5	29.5	29.5
125°	80.9	80.3	71.0	52.8	42.9	38.4	36.4	34.0	32.9	31.9	31.6
127.5°	74.8	67.2	59.0	50.8	43.6	39.1	37.0	35.7	34.6	32.9	32.6
130°	75.1	68.9	60.7	51.1	41.8	38.4	37.4	36.0	34.3	31.6	31.2
132.5°	81.6	75.1	60.4	47.3	40.1	38.4	37.7	36.0	32.2	29.2	28.8
135°	67.9	63.5	53.5	45.3	40.8	39.8	39.4	35.7	30.2	28.1	27.8
137.5°	66.2	59.7	51.4	45.6	42.5	40.5	39.1	34.3	28.1	26.1	25.4
140°	62.4	56.2	50.4	46.3	41.2	34.3	31.2	28.8	26.1	24.4	24.0
142.5°	62.4	56.6	47.7	40.8	35.7	31.9	30.2	28.1	25.0	22.6	22.0
145°	73.7	66.9	57.6	51.8	46.3	40.5	34.6	28.5	23.3	20.2	19.9
147.5°	83.7	75.5	68.3	58.6	49.7	40.1	31.9	25.0	21.3	19.9	19.9
150°	68.6	61.0	57.3	49.0	41.2	32.9	27.1	23.3	21.3	20.6	20.6
152.5°	51.4	43.2	40.5	36.0	31.2	27.1	24.4	22.3	21.6	21.3	21.3
155°	48.0	41.2	37.7	33.6	28.8	25.4	23.7	22.6	22.0	21.6	21.6
157.5°	41.8	38.1	33.6	30.5	27.1	24.7	23.7	23.0	22.3	22.0	22.0
160°	37.4	34.6	30.5	28.1	25.7	24.7	24.7	24.4	23.3	23.0	23.0
162.5°	33.6	32.6	28.8	26.8	25.7	26.1	27.8	27.4	25.7	24.4	24.0
165°	31.2	30.2	27.4	26.4	25.7	27.1	30.5	29.8	27.1	25.4	25.4
167.5°	29.8	29.2	27.1	26.1	26.4	29.2	32.2	32.6	30.2	27.8	27.4
170°	27.4	27.4	27.1	27.4	27.4	28.8	30.5	31.6	31.6	32.2	31.9
172.5°	27.1	27.4	28.5	28.5	28.1	28.5	29.8	31.6	32.6	33.6	34.0
175°	27.8	28.1	28.8	29.2	29.2	29.8	31.9	33.3	34.0	33.6	33.6
177.5°	25.7	26.1	26.4	27.8	28.5	29.2	31.2	31.9	32.6	33.3	33.3
180°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3

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: SP1-2501-332-7

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

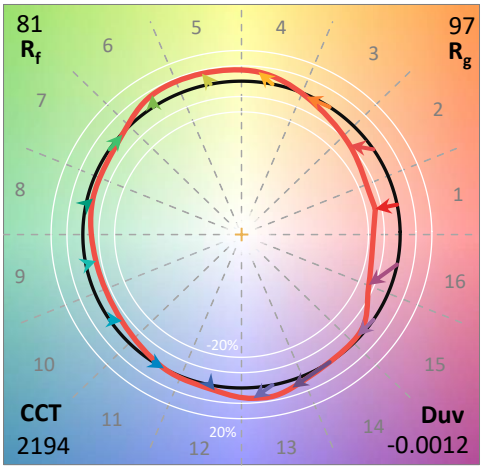
Test Information

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

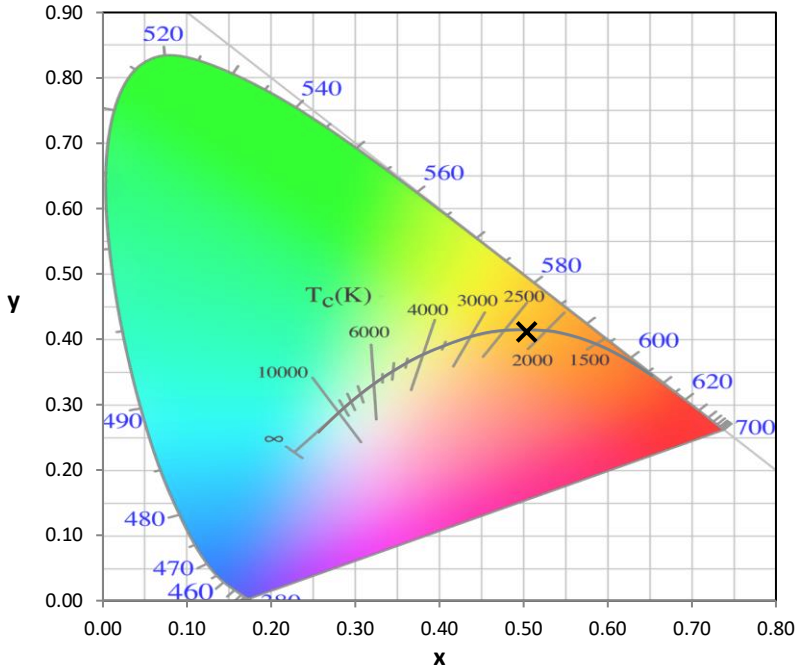
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

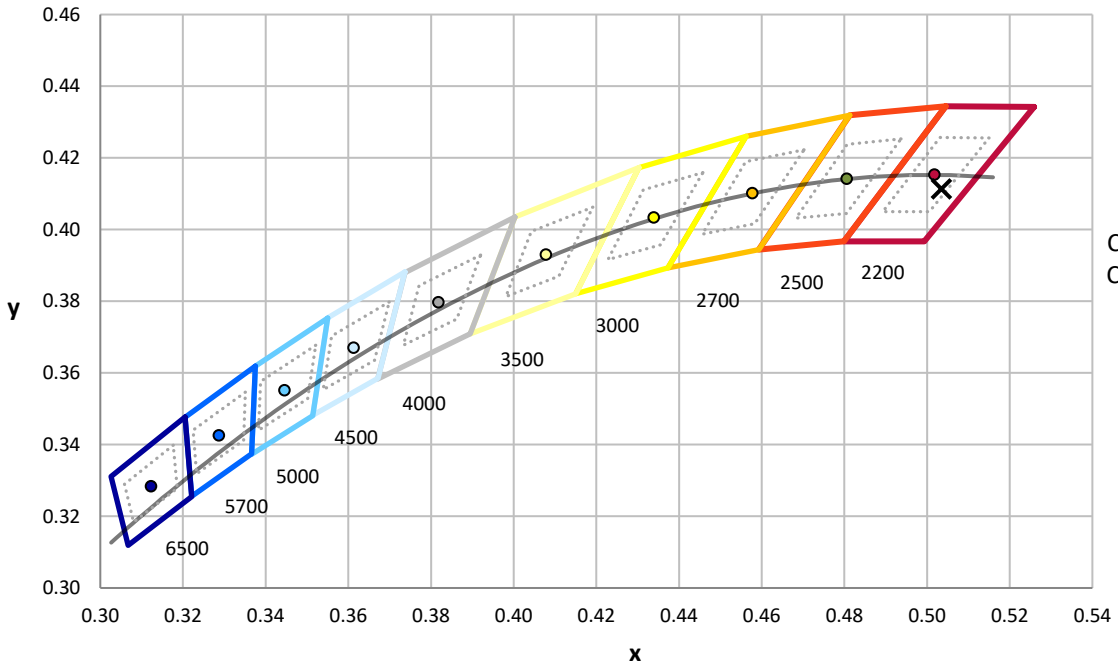
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

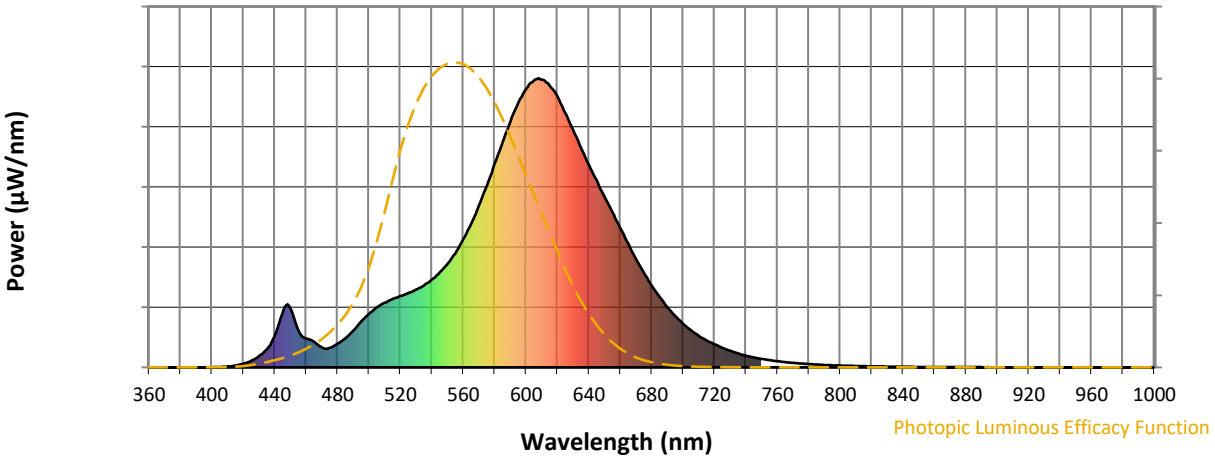


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

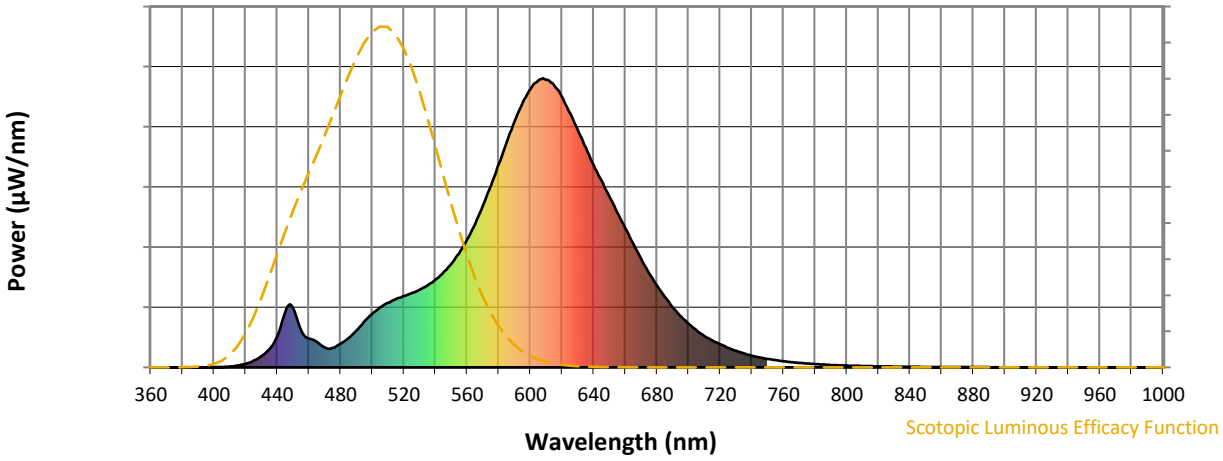


Photopic Lumens: NR

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

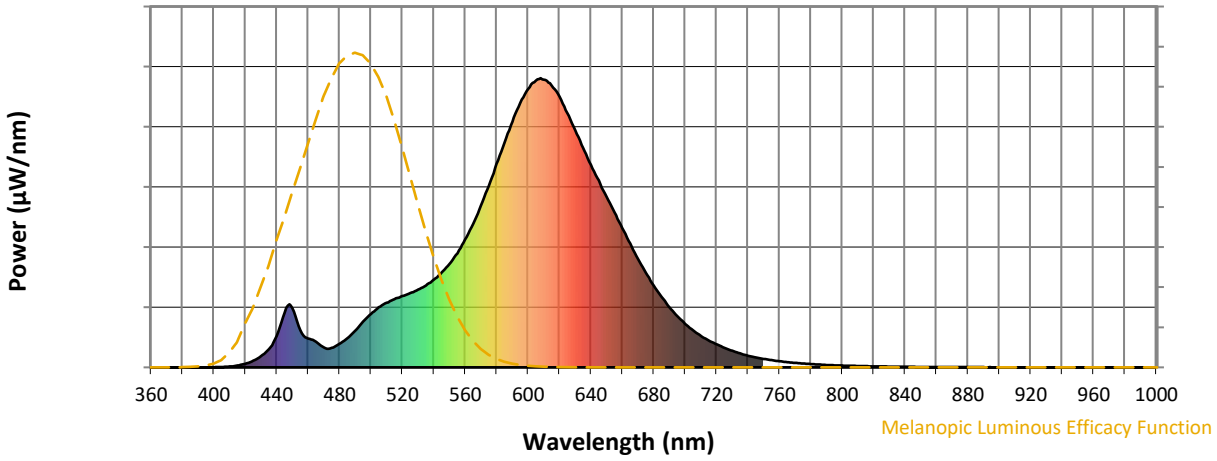


Scotopic Lumens: NR **S/P: 0.96**

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			

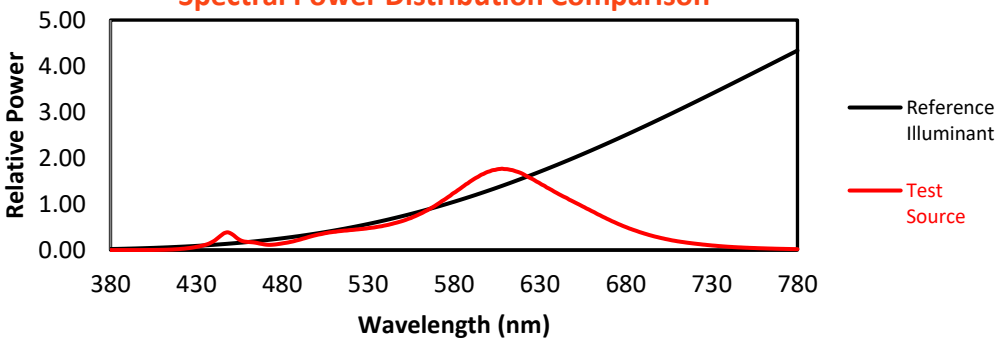
REPORT NUMBER: SP1-2501-332-7

TM-30-18

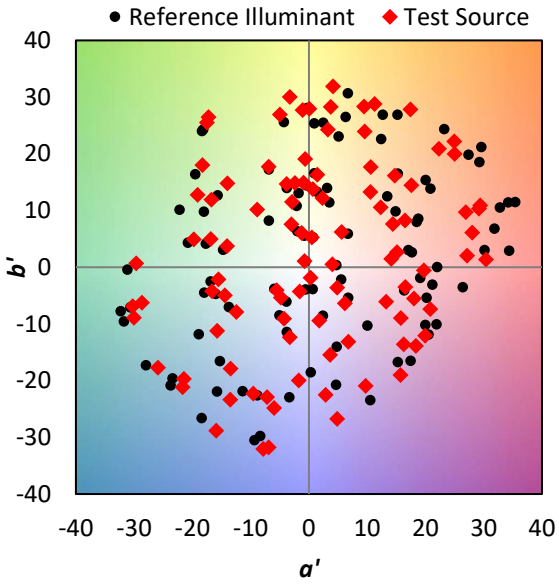
Summary

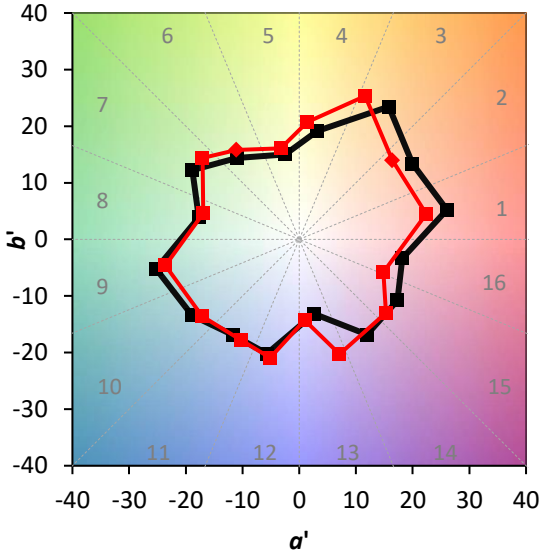
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

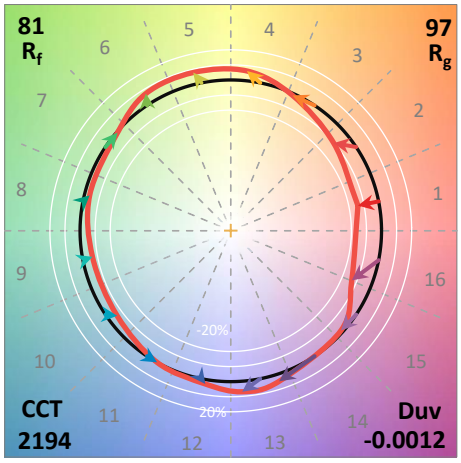
Spectral Power Distribution Comparison

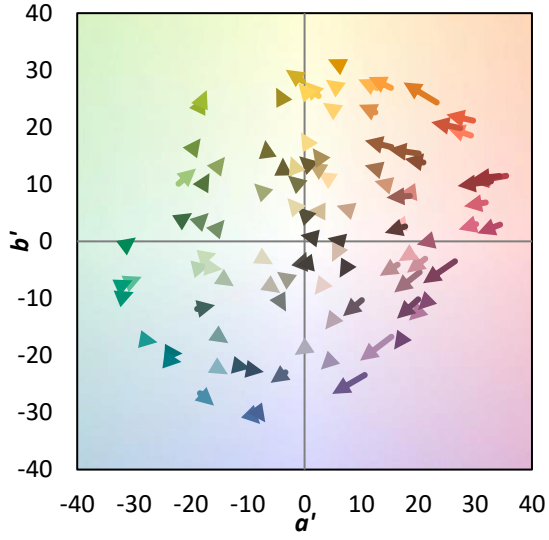


Color Vector Graphics







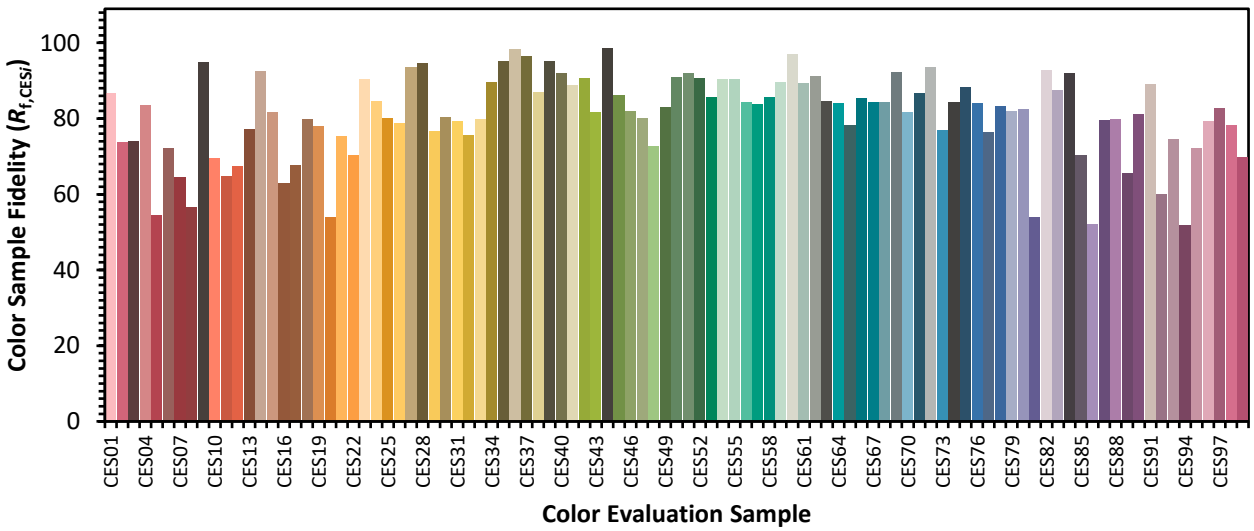


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

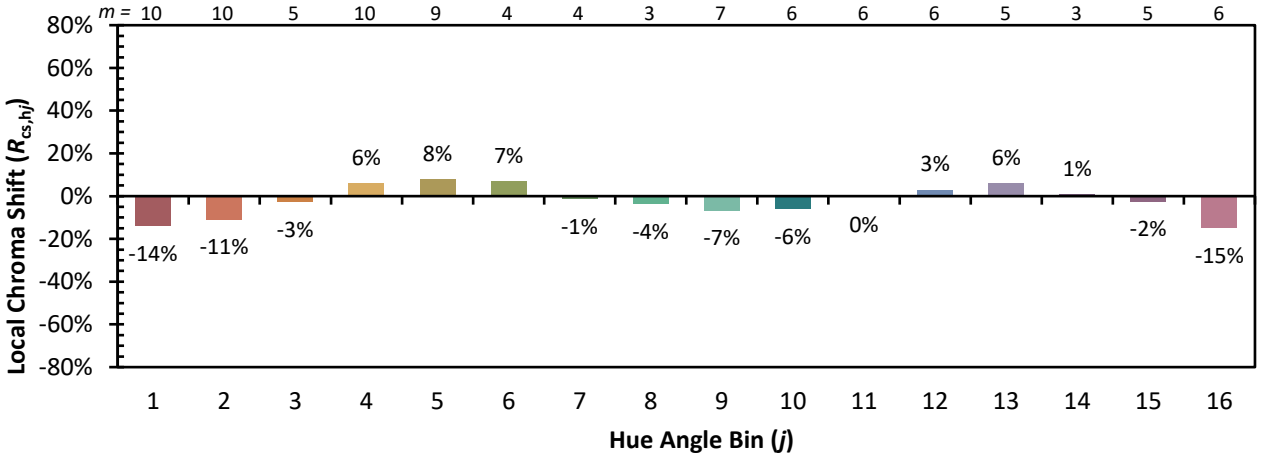
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57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

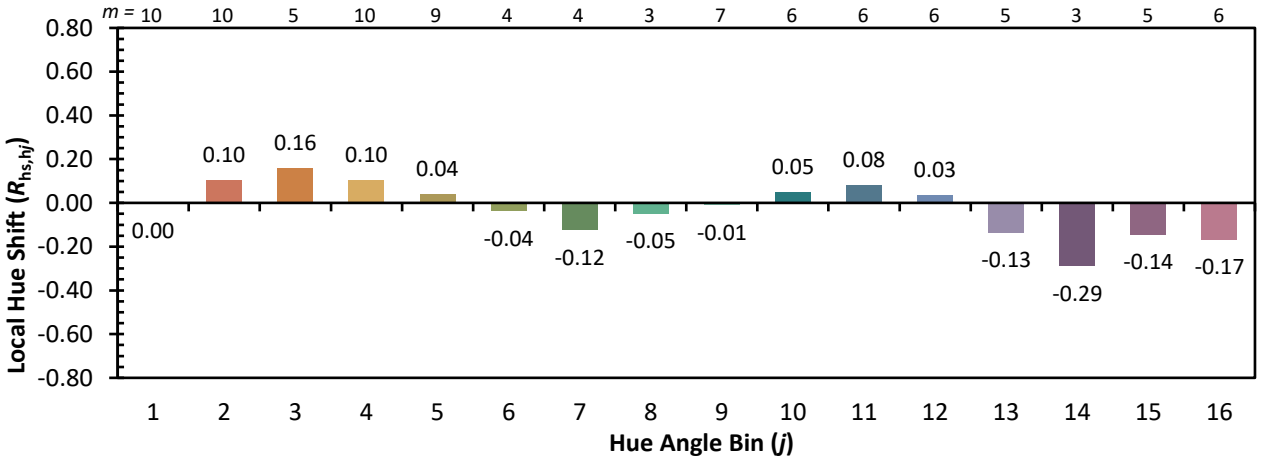


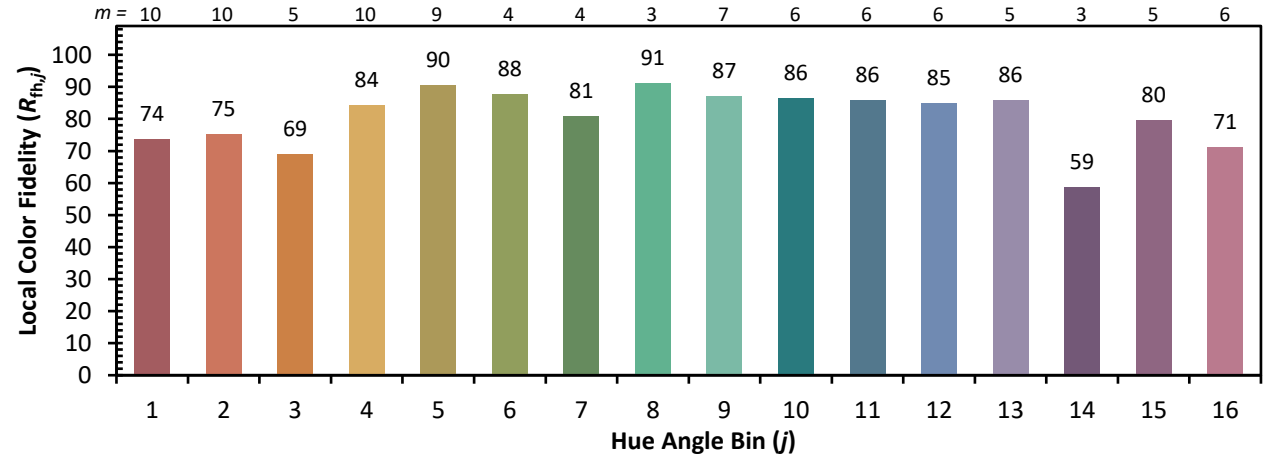
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Color Rendition by Hue-Angle Bin



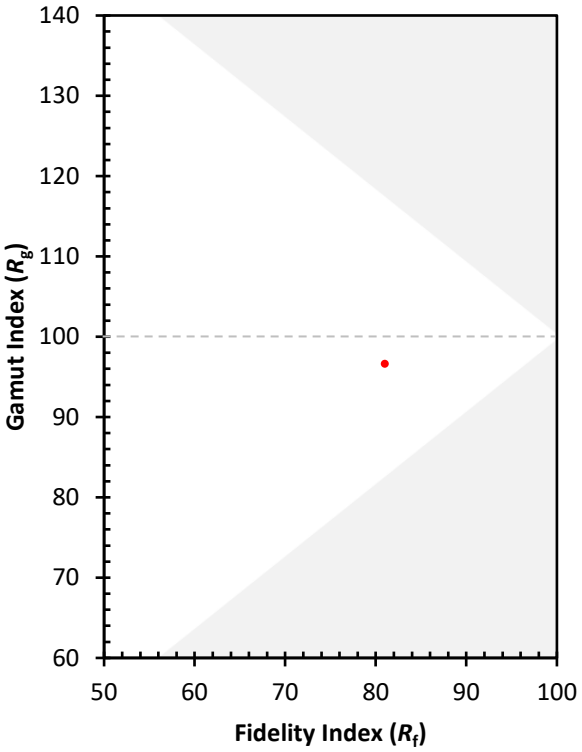


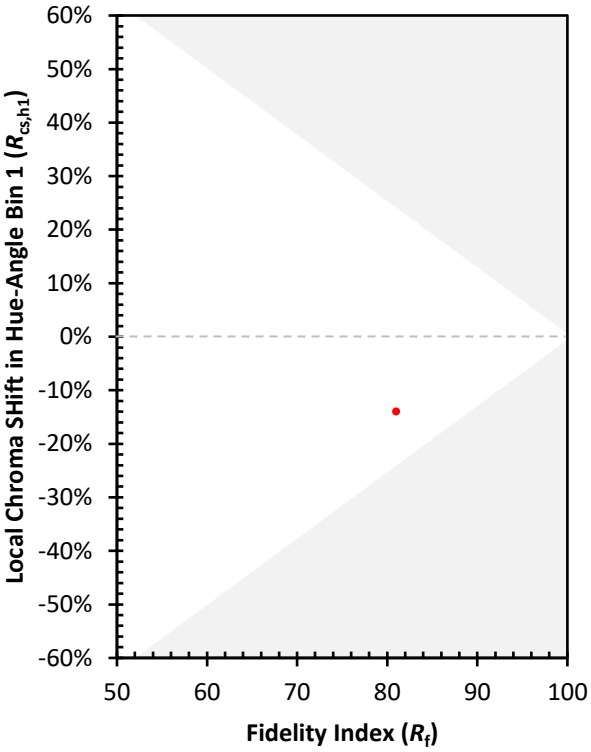


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Measure Comparisons





(END OF REPORT)