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: P1046234

Luminaire Tested: **FFX-CLB-30-722-U-FR-T4-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:	P1046234
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3657.6 lumens
Efficiency:	N/A
Efficacy:	119.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G2

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

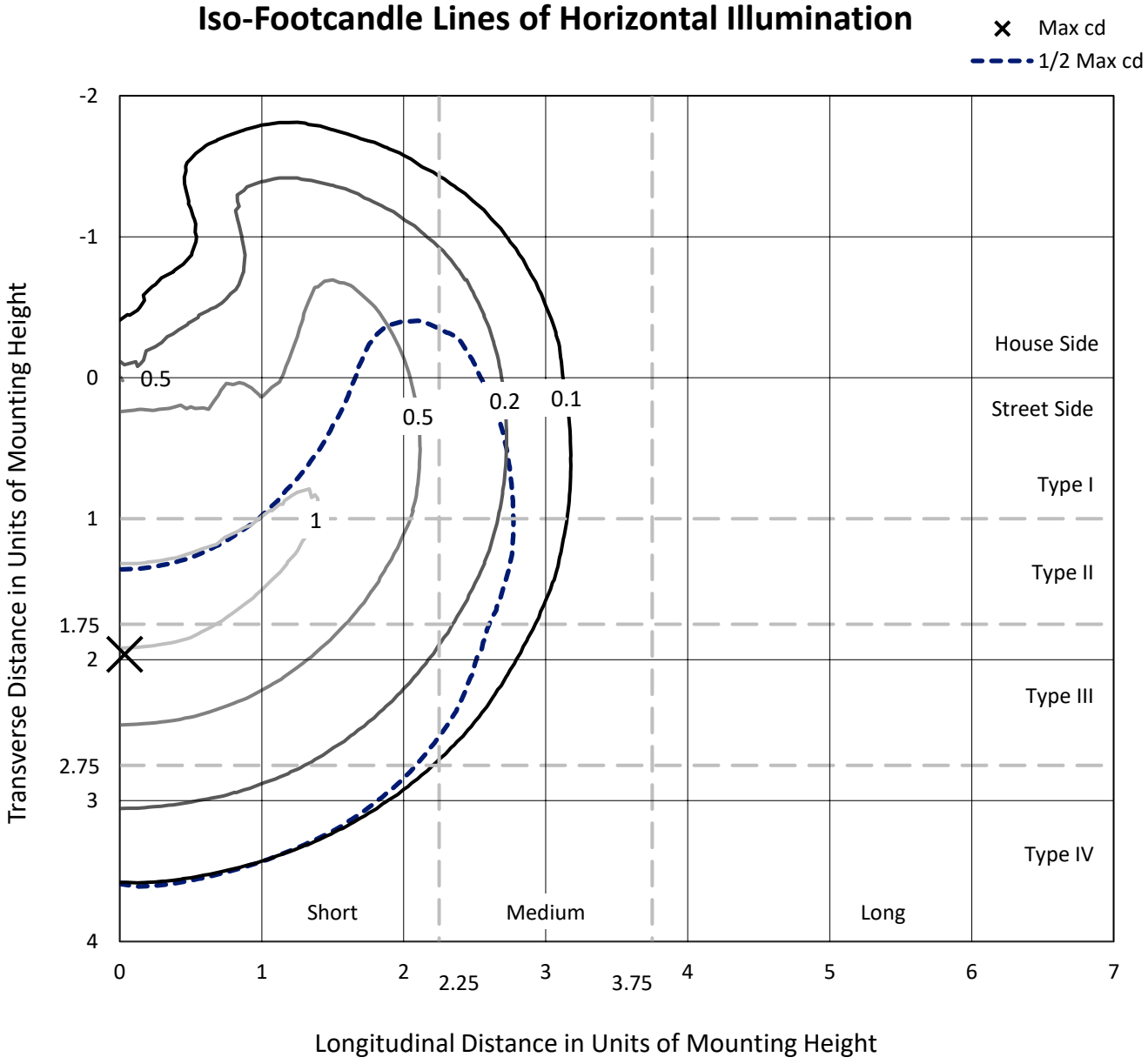


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Iso-Footcandle Lines of Horizontal Illumination



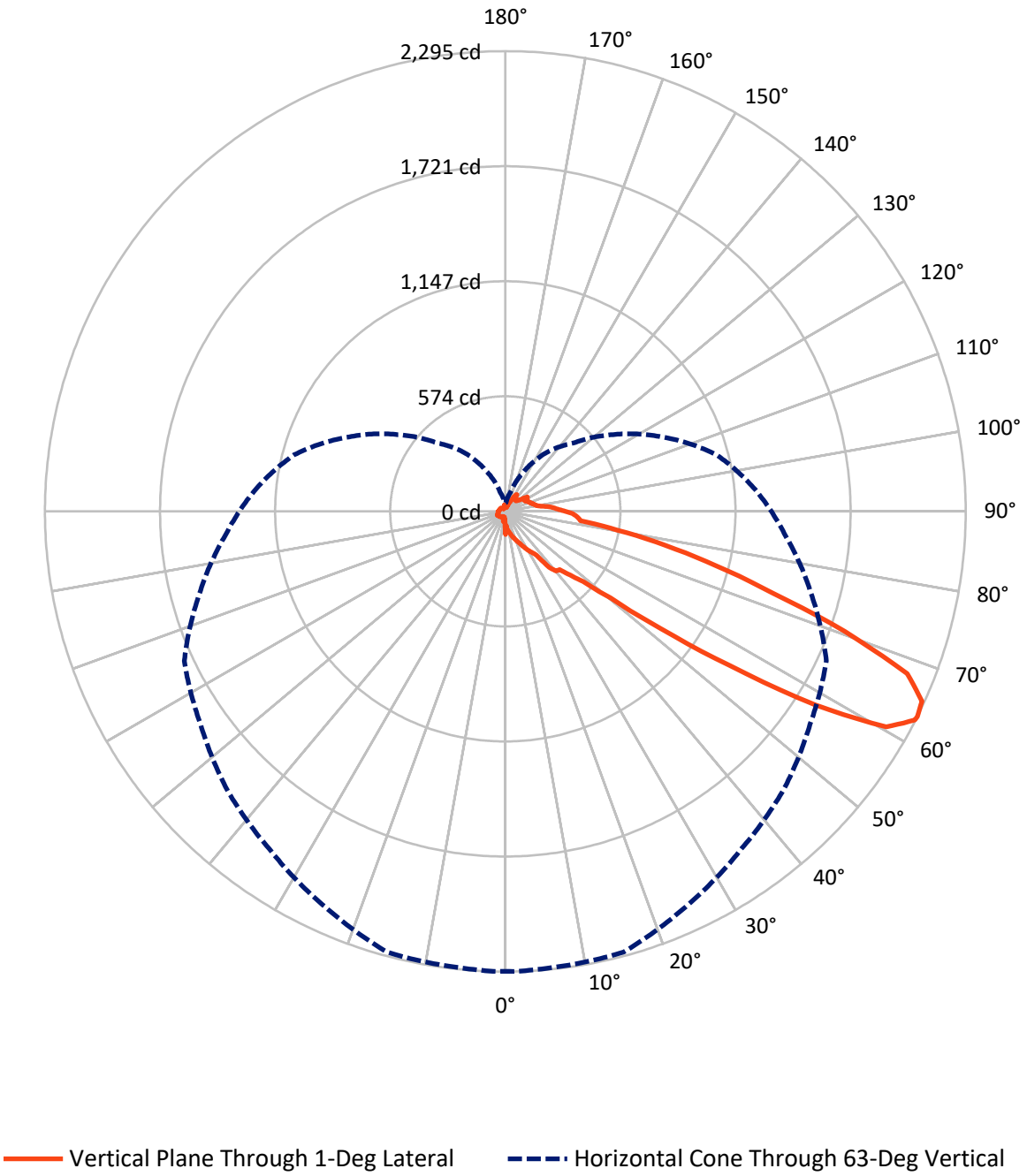
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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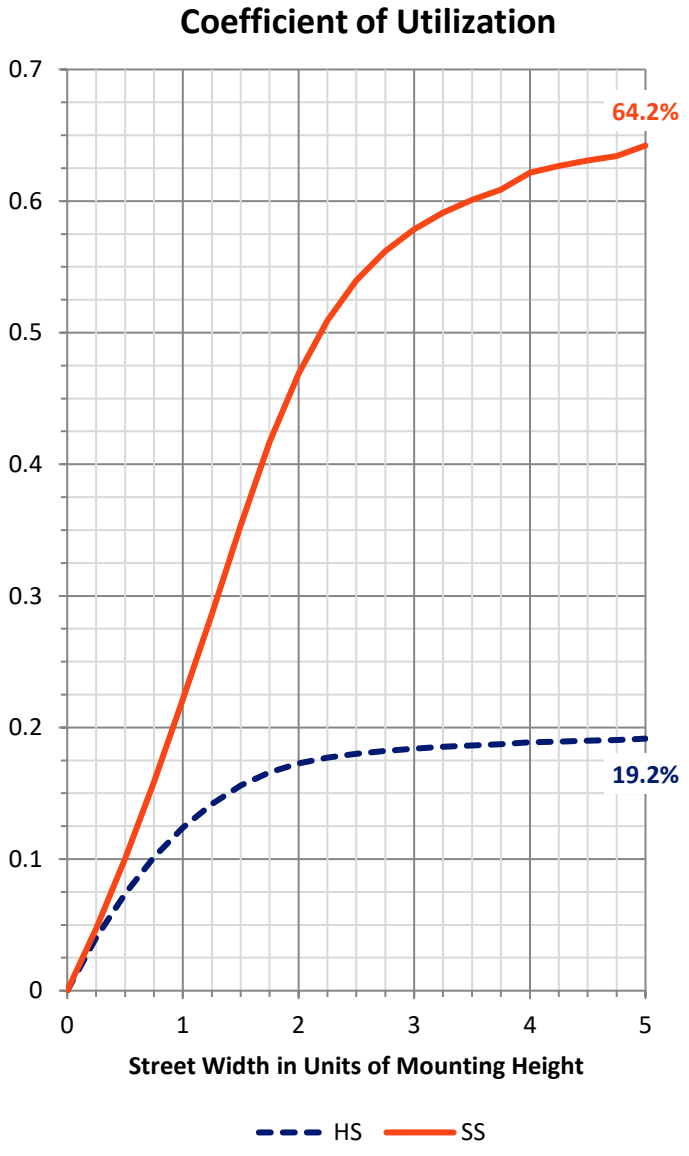
REPORT NUMBER: P1046234
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.2	145.1	869.2
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	2453.4	334.9	2788.3
	% Fixture	67.1	9.2	76.2
Total	Lumens	3177.6	480.0	3657.6
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.2
10°-20°	24.1	0.7
20°-30°	53.0	1.5
30°-40°	108.6	3.0
40°-50°	219.3	6.0
50°-60°	708.0	19.4
60°-70°	1166.4	31.9
70°-80°	642.9	17.6
80°-90°	248.4	6.8
90°-100°	148.9	4.1
100°-110°	94.9	2.6
110°-120°	72.5	2.0
120°-130°	61.9	1.7
130°-140°	41.5	1.1
140°-150°	35.4	1.0
150°-160°	16.1	0.4
160°-170°	6.5	0.2
170°-180°	2.2	0.1
0°-90°	3177.6	86.9
0°-180°	3657.6	100.0



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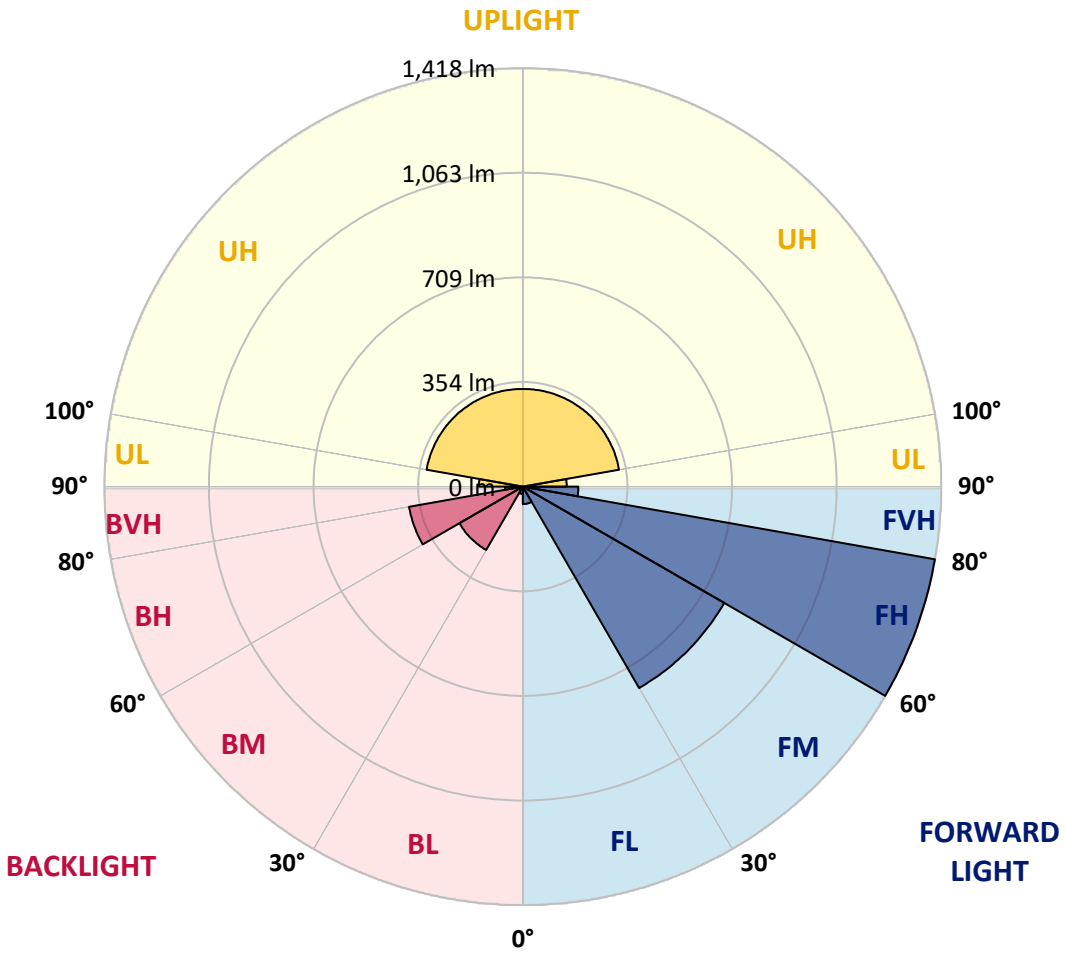
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	59.2	1.6			
FM	(30°-60°)	788.0	21.5			
FH	(60°-80°)	1418.0	38.8			G1/1800
FVH	(80°-90°)	188.2	5.1			G2/225
BL	(0°-30°)	24.7	0.7	B0/110		
BM	(30°-60°)	247.9	6.8	B1/1000		
BH	(60°-80°)	391.4	10.7	B1/500		G1/500
BVH	(80°-90°)	60.2	1.6			G1/100
UL	(90°-100°)	148.9	4.1		U3/500	
UH	(100°-180°)	331.0	9.1		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8
2.5°	71.6	70.8	74.2	84.6	96.0	99.6	92.1	89.2	97.6	116.8	118.9
5°	82.5	83.8	83.0	84.3	85.3	93.4	100.7	93.1	75.5	61.7	62.7
7.5°	97.3	97.0	97.0	96.0	90.8	82.5	80.1	86.1	86.4	72.3	61.4
10°	103.8	103.6	103.6	102.5	101.5	102.3	99.6	88.7	79.9	74.2	70.5
12.5°	117.6	117.1	116.8	116.3	114.5	112.4	110.6	111.1	103.6	89.2	79.9
15°	129.1	128.5	129.1	129.6	128.3	124.6	119.4	112.1	105.4	99.4	91.1
17.5°	141.5	141.3	141.0	140.5	138.7	133.7	127.5	120.7	113.2	104.9	97.0
20°	153.5	153.0	153.2	153.5	152.7	146.7	140.5	132.2	124.1	116.0	106.9
22.5°	167.8	167.8	167.0	167.0	166.3	162.6	154.8	145.2	136.9	126.7	116.6
25°	186.3	185.5	185.5	184.7	181.6	177.7	172.2	161.3	151.4	141.8	128.3
27.5°	204.5	203.7	203.7	203.5	199.6	194.4	185.3	174.8	165.5	153.2	136.9
30°	225.3	224.8	225.1	222.2	219.1	211.8	200.3	188.4	176.1	161.8	146.0
32.5°	246.4	244.8	244.6	241.4	237.3	228.4	215.7	204.2	191.5	174.8	161.6
35°	271.1	267.7	271.4	270.6	270.1	260.7	246.1	232.9	217.8	202.7	188.4
37.5°	352.8	354.4	353.6	343.2	334.9	322.1	315.6	300.0	279.2	260.7	233.6
40°	391.3	390.8	389.5	378.0	370.5	357.2	346.8	335.1	322.9	294.0	260.4
42.5°	399.6	396.8	398.9	409.5	419.4	410.6	377.5	339.8	322.6	302.3	284.9
45°	460.5	453.2	456.4	459.2	449.6	436.8	422.5	398.1	369.2	340.1	308.1
47.5°	525.6	521.7	521.4	520.4	521.4	509.2	490.2	467.5	426.7	395.2	359.6
50°	684.0	678.8	680.4	681.7	676.2	663.7	643.2	628.3	579.4	519.1	472.8
52.5°	974.6	971.5	964.2	964.8	915.6	913.0	885.1	871.9	799.8	730.9	637.4
55°	1333.4	1353.7	1331.4	1326.9	1306.6	1288.4	1218.7	1160.9	1057.6	958.5	849.0
57.5°	1819.5	1822.8	1794.5	1795.3	1723.2	1677.4	1613.1	1524.7	1370.9	1227.8	1105.0
60°	2173.6	2182.2	2168.9	2141.3	2001.8	1919.9	1849.1	1779.4	1662.0	1449.5	1278.5
62.5°	2288.8	2291.4	2283.1	2268.5	2145.5	2040.9	1949.8	1848.6	1758.6	1567.1	1395.4
63°	2293.0	2294.8	2288.3	2275.8	2161.6	2053.1	1962.0	1853.8	1765.6	1577.5	1402.4
65°	2281.8	2282.6	2279.7	2263.1	2171.7	2057.0	1956.8	1850.2	1769.2	1581.7	1402.4
67.5°	2181.1	2161.3	2169.7	2141.6	2065.6	1951.4	1855.6	1746.9	1674.0	1492.7	1320.9
70°	1794.5	1795.8	1794.5	1779.1	1757.5	1667.3	1555.4	1457.5	1365.4	1223.1	1088.3
72.5°	1388.3	1393.8	1381.8	1390.7	1373.2	1298.6	1226.2	1127.1	1062.3	941.6	822.7
75°	1075.3	1086.5	1090.2	1064.9	1049.8	1034.0	994.4	923.1	858.3	764.9	661.1
77.5°	812.6	814.6	817.8	800.6	780.8	787.1	781.3	747.5	693.1	624.4	542.0
80°	561.5	567.5	577.6	567.7	570.1	566.4	565.6	538.6	499.3	456.1	411.9
82.5°	377.3	377.0	379.6	395.5	410.0	409.5	386.4	348.4	328.4	315.9	290.9
85°	361.1	361.1	364.8	353.3	346.0	338.8	337.2	324.2	308.8	280.7	246.1
87.5°	336.7	335.9	336.9	327.0	317.4	315.1	312.7	301.6	294.8	270.3	238.6
90°	288.0	290.1	290.1	289.3	283.3	281.0	271.6	262.3	258.1	236.0	211.0
92.5°	254.2	254.2	257.1	252.1	245.6	249.3	233.1	220.9	215.2	200.3	180.6
95°	229.7	229.0	232.6	225.6	220.9	214.1	207.4	194.6	190.5	177.7	157.7
97.5°	183.4	182.6	184.7	181.3	174.1	170.9	163.7	153.5	149.6	137.6	125.4
100°	157.9	157.7	158.5	156.6	152.5	148.6	142.3	134.3	130.6	120.7	109.8
102.5°	149.9	149.1	149.3	149.6	143.6	140.0	134.0	127.7	124.1	116.0	104.1
105°	142.6	142.1	141.5	141.5	134.8	131.1	127.2	123.1	119.9	111.1	99.6
107.5°	135.8	135.0	133.2	133.0	128.5	124.6	119.9	116.3	113.2	105.1	94.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	128.3	*128.0*	127.0	127.2	124.4	118.4	114.5	110.1	106.2	99.1	89.5
112.5°	124.4	*124.4*	123.6	124.9	114.0	108.0	103.8	99.9	97.3	90.5	83.3
115°	120.2	*118.1*	117.3	119.9	107.5	99.1	95.0	90.8	88.2	81.4	75.5
117.5°	111.4	*110.8*	111.1	113.2	109.5	100.4	93.7	88.5	85.9	80.9	75.5
120°	127.0	*126.4*	123.3	122.8	116.6	109.3	104.9	102.0	98.1	90.0	79.6
122.5°	132.7	*131.7*	126.7	128.3	119.9	116.3	114.5	113.4	109.8	99.1	83.3
125°	115.5	*114.0*	112.7	113.2	108.5	103.8	102.0	100.4	96.8	90.8	79.4
127.5°	92.6	*93.4*	92.4	89.5	88.7	81.7	79.4	77.5	74.2	69.2	67.4
130°	86.9	*86.4*	86.1	85.6	85.1	79.9	76.2	71.8	68.9	64.8	59.8
132.5°	77.3	*77.8*	78.6	83.0	87.2	82.7	73.4	66.6	64.8	65.6	63.5
135°	73.4	*73.6*	73.6	77.0	80.7	76.2	69.2	62.7	61.9	64.8	62.2
137.5°	75.2	*76.5*	76.2	75.5	73.4	70.2	68.7	65.0	63.0	61.1	56.7
140°	79.4	*80.9*	80.1	75.7	74.2	72.6	73.6	72.3	67.1	60.9	54.4
142.5°	78.8	*80.1*	79.6	79.1	82.0	78.3	73.4	68.4	64.3	60.9	56.7
145°	102.3	*101.7*	99.6	99.6	96.3	90.8	87.4	82.2	77.3	72.9	66.1
147.5°	94.4	*95.7*	96.3	93.9	92.4	88.7	88.2	85.3	83.8	79.9	72.9
150°	74.9	*76.0*	74.4	72.6	71.8	72.1	70.8	68.7	67.1	64.3	61.1
152.5°	51.8	*52.3*	51.8	50.2	49.7	48.9	49.2	47.6	46.6	44.8	41.9
155°	47.1	*47.4*	47.6	45.0	44.5	44.8	45.0	44.0	41.9	40.3	36.9
157.5°	36.9	*36.4*	36.4	35.9	36.2	35.4	35.4	35.1	34.3	33.3	32.3
160°	29.4	*29.7*	29.7	29.7	30.2	29.7	29.7	28.9	28.9	28.4	27.8
162.5°	25.0	*25.0*	25.0	25.0	24.7	24.7	25.2	25.0	25.0	25.2	25.8
165°	21.1	*21.3*	21.3	21.3	21.3	21.3	21.9	21.9	22.4	23.4	24.7
167.5°	19.8	*19.5*	19.5	19.8	19.8	20.3	20.3	21.3	23.2	25.0	25.0
170°	18.7	*18.7*	18.7	19.0	19.0	19.3	20.0	21.9	23.9	24.7	23.7
172.5°	19.5	*19.3*	19.3	19.5	19.5	20.3	21.3	22.9	23.7	23.7	22.6
175°	20.0	*19.8*	19.8	20.0	20.0	20.6	21.6	22.6	23.2	23.4	23.4
177.5°	19.5	*19.5*	19.5	19.5	19.5	19.8	19.8	20.6	21.1	21.6	22.1
180°	18.7	*18.7*	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8
2.5°	118.9	108.5	93.1	74.4	86.6	101.7	99.6	87.9	70.2	52.8	52.8
5°	65.8	69.7	73.6	64.5	57.8	57.2	55.7	50.0	49.2	40.6	38.2
7.5°	57.5	53.9	53.1	62.7	61.9	40.8	32.3	28.6	30.2	40.8	42.1
10°	68.9	67.4	62.4	52.0	43.5	39.5	39.3	39.8	36.4	29.4	27.6
12.5°	77.8	75.2	70.8	67.6	57.8	46.1	39.5	36.7	38.8	49.2	51.5
15°	86.4	82.7	75.2	66.6	56.7	48.1	41.4	35.4	35.4	33.8	33.0
17.5°	93.1	88.5	79.4	70.0	58.8	48.1	39.3	33.3	30.4	29.9	29.9
20°	101.7	97.3	87.4	76.0	61.9	48.7	39.0	33.3	29.9	28.6	28.4
22.5°	112.4	106.7	93.9	80.4	63.7	49.2	39.5	33.6	30.2	28.4	27.8
25°	122.3	115.8	100.7	86.6	67.9	50.5	40.1	34.3	30.7	28.6	28.4
27.5°	130.4	123.3	109.3	93.1	72.3	53.6	42.7	35.9	31.5	29.4	28.9
30°	139.5	133.0	118.1	99.9	76.5	57.5	46.3	38.8	33.8	31.0	30.7
32.5°	153.0	144.9	127.7	106.9	81.4	61.7	50.0	41.4	35.4	33.8	33.8
35°	177.4	169.1	146.5	118.4	86.1	65.8	53.6	44.2	37.7	34.1	33.8
37.5°	223.2	211.8	183.4	144.4	94.2	69.2	56.7	46.6	39.0	33.8	33.0
40°	244.3	224.8	194.6	158.2	105.9	73.1	59.3	48.4	39.3	34.6	34.1
42.5°	269.3	252.9	210.2	161.6	114.5	82.7	63.7	50.5	40.8	35.6	35.1
45°	293.2	277.4	241.4	191.0	133.7	97.0	71.6	54.6	43.5	37.2	36.2
47.5°	336.7	320.0	270.1	221.2	160.3	119.4	87.2	61.1	47.1	38.8	37.5
50°	449.6	425.9	367.1	293.0	205.0	151.7	111.6	74.7	52.0	39.5	38.0
52.5°	595.3	559.1	495.4	400.7	293.2	214.7	156.4	108.5	60.6	39.8	37.5
55°	831.5	787.1	684.5	546.1	410.6	320.3	236.8	166.8	89.2	41.6	37.2
57.5°	1055.6	1022.5	933.0	747.2	544.6	406.9	311.4	234.7	121.5	45.8	39.0
60°	1220.3	1157.3	1052.7	862.2	657.7	472.2	346.6	244.1	124.9	46.6	40.3
62.5°	1318.6	1240.8	1085.7	878.9	673.9	485.8	360.6	224.5	101.0	45.5	42.1
63°	*1325.9*	*1250.4*	*1089.9*	*873.2*	*668.7*	*482.1*	*358.5*	*219.9*	*98.1*	*45.3*	*42.7*
65°	1316.8	1251.2	1075.3	843.3	624.4	449.9	333.8	197.5	79.6	44.5	43.2
67.5°	1226.2	1172.9	999.1	762.3	556.0	388.5	276.3	150.6	62.2	42.4	41.9
70°	1026.4	965.3	807.6	630.2	440.7	313.8	220.4	116.8	51.3	40.3	39.8
72.5°	763.9	738.4	613.5	479.5	339.0	242.0	165.5	88.7	45.5	38.8	38.2
75°	617.7	579.4	486.5	378.8	257.8	179.8	122.8	66.6	41.6	37.5	36.9
77.5°	510.7	485.2	404.8	285.9	183.9	129.6	90.3	52.8	39.8	36.7	36.4
80°	395.5	379.6	315.9	211.5	131.7	96.5	71.6	48.4	39.0	36.4	36.2
82.5°	278.9	274.0	230.0	158.2	111.9	86.4	66.6	47.6	39.3	36.9	36.4
85°	231.0	220.4	193.6	150.4	106.2	82.7	64.3	46.8	39.3	36.7	36.4
87.5°	225.1	216.2	187.3	140.8	97.3	76.5	60.4	45.0	38.0	35.6	35.4
90°	203.5	194.6	167.8	125.7	91.6	71.8	56.5	42.7	36.4	34.6	34.1
92.5°	173.5	165.5	145.7	114.2	87.7	68.9	54.9	41.9	36.2	34.1	33.8
95°	150.6	143.9	127.7	105.1	80.9	64.3	52.0	40.3	35.1	33.3	33.0
97.5°	119.9	115.8	103.3	85.6	68.4	56.2	46.6	38.0	33.8	32.3	32.0
100°	105.6	102.0	92.1	77.5	63.5	53.1	45.0	37.2	32.8	31.5	31.2
102.5°	99.1	96.3	87.4	72.9	59.6	50.5	42.9	35.9	32.0	30.7	30.4
105°	94.2	91.6	83.5	69.5	56.2	47.1	40.3	34.3	30.7	29.7	29.4
107.5°	88.2	86.1	78.3	64.5	52.8	44.2	38.2	33.0	29.9	28.9	28.9

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

Scaled Data Report

REPORT NUMBER: P1046234
CATALOG NUMBER: FFX-CLB-30-722-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	83.3	81.7	73.6	61.7	50.5	42.4	36.9	32.5	29.7	28.6	28.6
112.5°	78.1	76.2	68.7	58.0	48.4	41.1	35.9	31.7	29.1	28.1	28.1
115°	72.3	70.5	63.2	53.9	45.8	39.0	34.3	30.4	28.1	27.3	27.3
117.5°	73.4	68.7	59.8	51.5	43.7	37.5	33.3	29.9	27.3	26.8	26.5
120°	74.4	68.4	61.9	54.1	45.0	36.7	32.5	29.1	27.1	26.3	26.3
122.5°	72.6	73.4	67.6	55.7	42.9	35.9	32.3	29.4	27.3	26.5	26.8
125°	71.0	72.9	66.1	52.6	41.4	35.6	32.3	30.2	28.4	27.6	27.6
127.5°	65.3	65.6	56.2	47.1	40.3	34.9	32.0	30.4	28.9	27.8	27.3
130°	57.5	57.0	52.6	45.8	38.0	33.6	31.0	30.2	28.6	26.8	26.5
132.5°	61.7	60.1	52.8	43.5	35.9	32.3	30.7	29.7	27.1	25.0	24.7
135°	58.5	57.0	49.4	40.6	34.9	32.8	32.0	29.4	25.5	23.9	23.7
137.5°	53.3	50.7	44.5	38.8	35.4	34.1	32.3	28.9	25.0	23.2	22.9
140°	51.3	48.7	43.7	39.8	35.9	31.7	28.6	25.5	22.9	21.3	21.1
142.5°	53.9	51.8	46.8	39.8	33.6	29.1	26.3	24.2	21.9	19.5	19.3
145°	62.7	58.8	52.0	44.8	38.2	33.0	28.6	24.2	20.0	17.4	17.2
147.5°	69.5	66.3	59.1	50.7	41.6	33.3	26.8	21.3	18.0	16.4	16.1
150°	57.8	55.9	50.5	43.7	36.9	29.4	23.2	19.0	16.9	16.4	16.4
152.5°	40.3	39.0	37.2	32.8	27.6	23.2	19.8	17.7	16.9	16.7	16.7
155°	35.6	34.9	32.5	28.6	25.0	21.6	19.0	17.4	17.2	16.9	16.9
157.5°	30.7	30.4	28.9	25.8	22.9	20.3	18.5	17.7	17.2	16.9	16.9
160°	27.6	26.8	25.2	23.2	21.3	19.8	18.7	18.2	17.7	17.4	17.4
162.5°	25.8	25.2	23.4	21.9	20.8	20.6	20.8	20.6	19.3	18.5	18.2
165°	24.5	24.2	22.4	21.3	20.8	22.1	23.7	23.2	20.8	19.5	19.5
167.5°	24.5	23.9	22.1	21.3	22.6	24.5	25.8	25.5	23.4	22.1	21.3
170°	23.2	22.6	22.1	22.4	24.2	25.0	25.2	25.8	26.0	27.3	27.8
172.5°	22.4	22.4	22.9	23.9	25.5	25.8	25.0	25.2	27.6	30.4	30.7
175°	23.4	23.4	24.5	26.3	27.1	27.6	26.5	26.8	29.4	32.3	32.5
177.5°	22.4	22.6	23.2	23.4	23.2	22.4	22.1	23.2	22.4	22.1	22.9
180°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

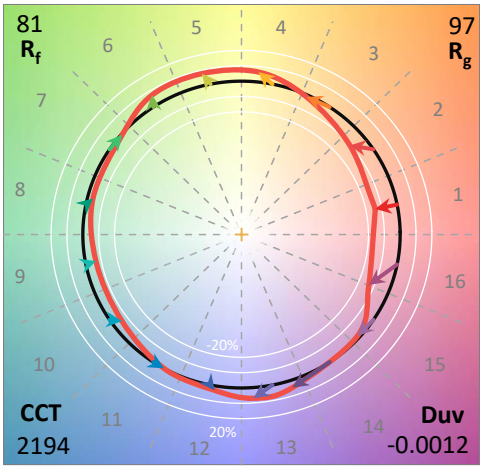
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

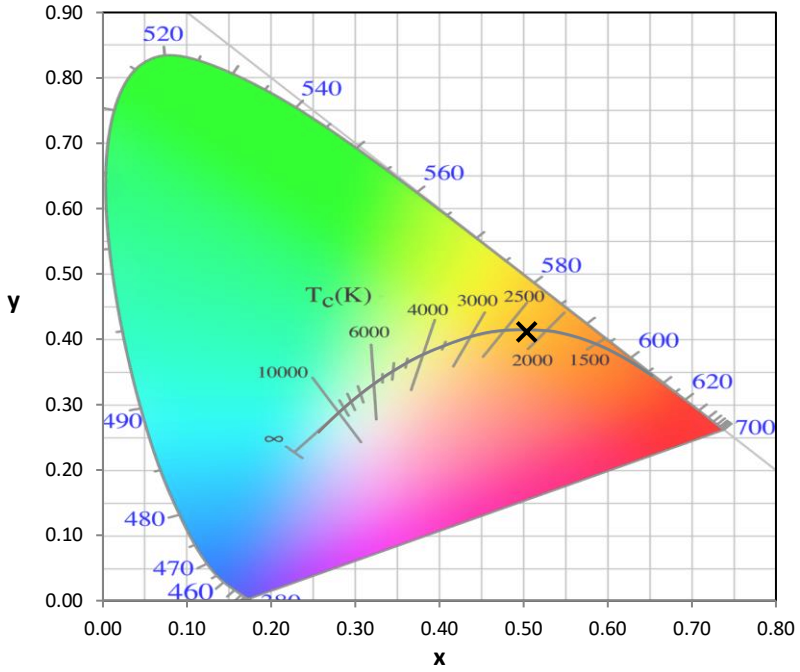
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

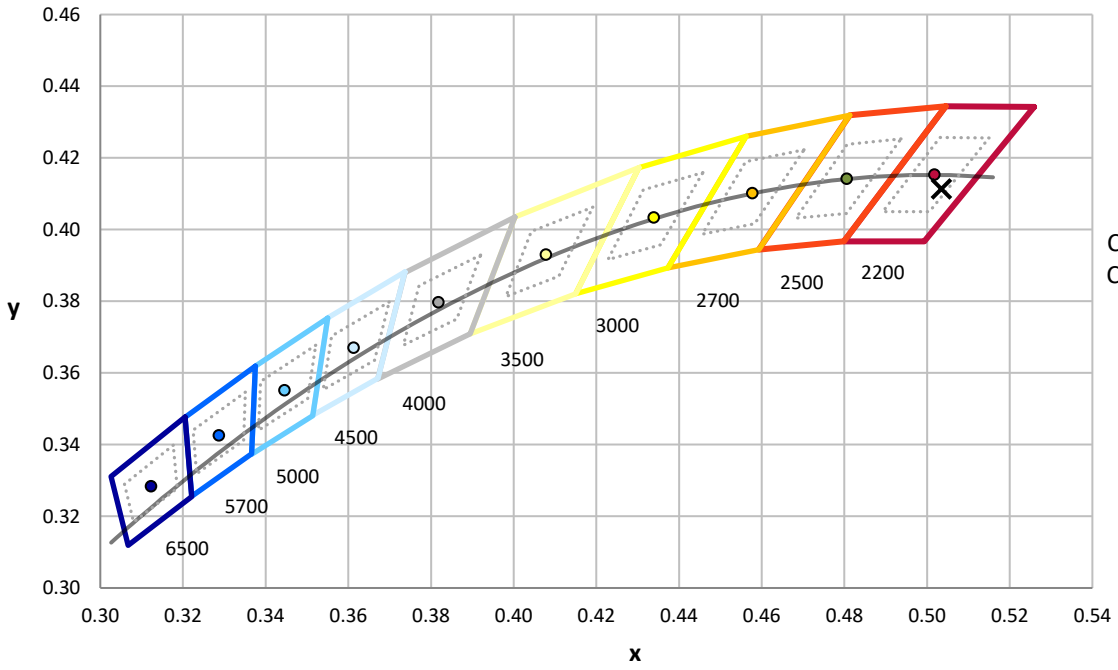
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

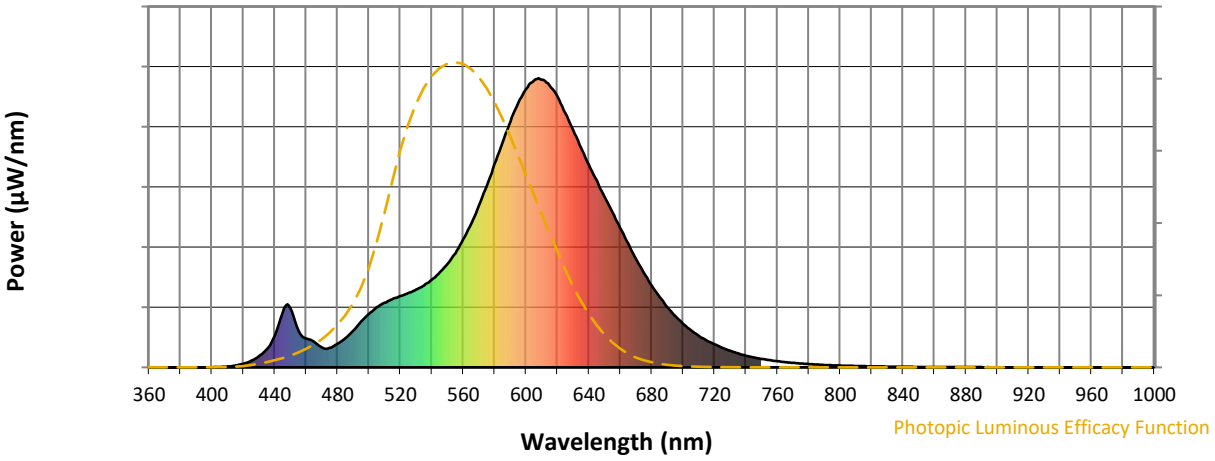


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

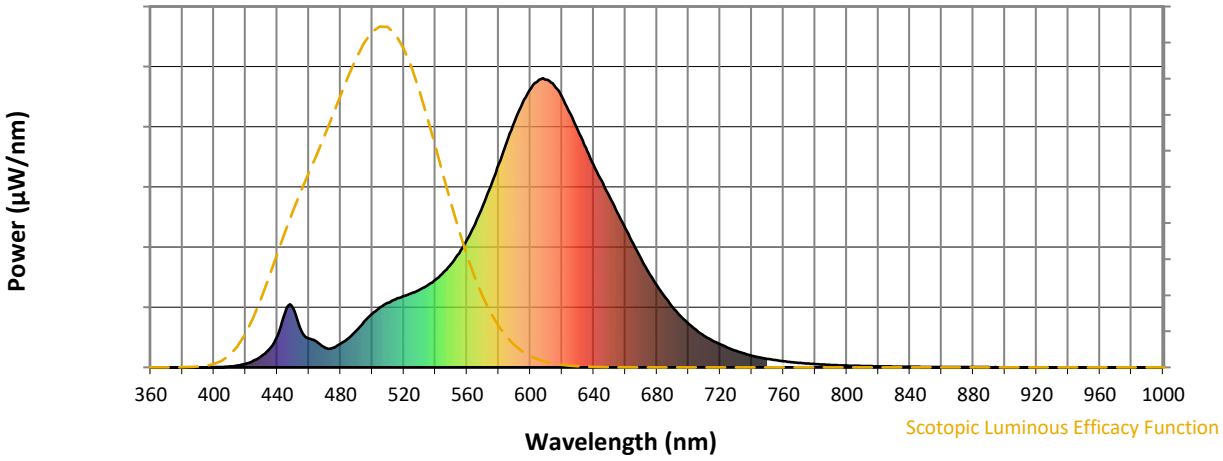


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

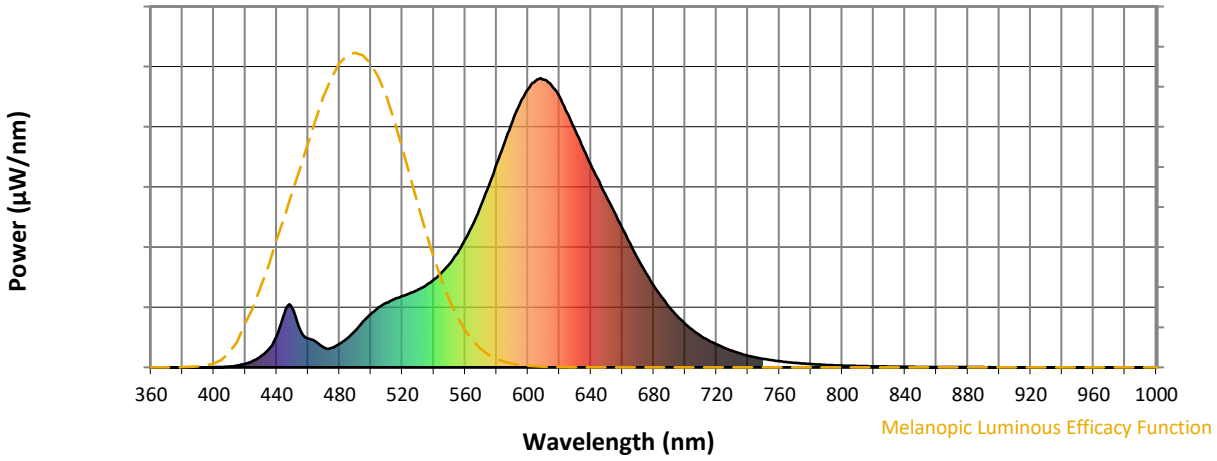


Scotopic Lumens: NR **S/P: 0.96**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

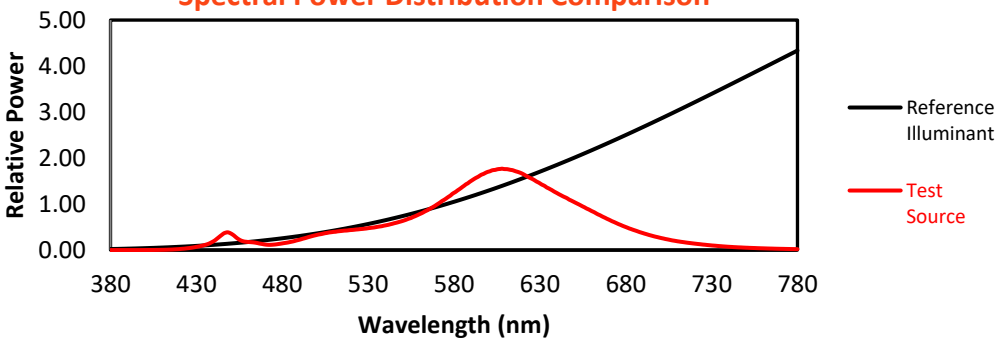
REPORT NUMBER: SP1-2501-332-7

TM-30-18

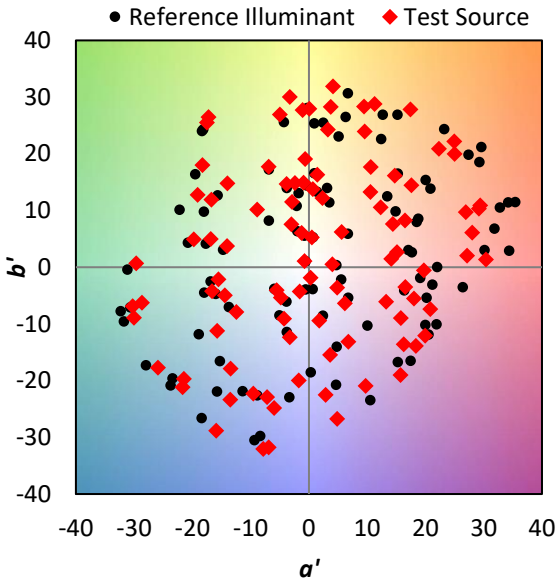
Summary

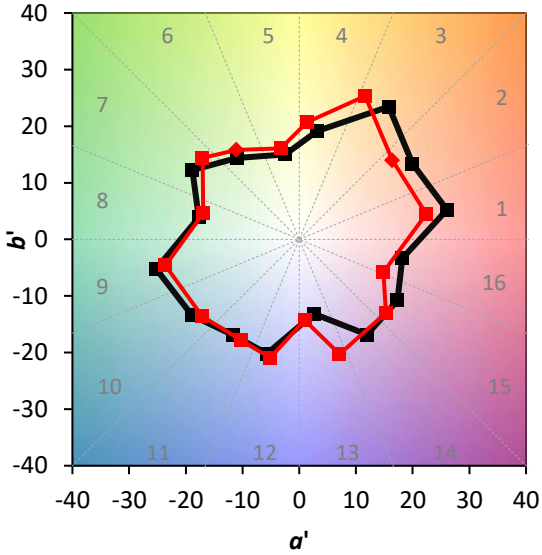
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

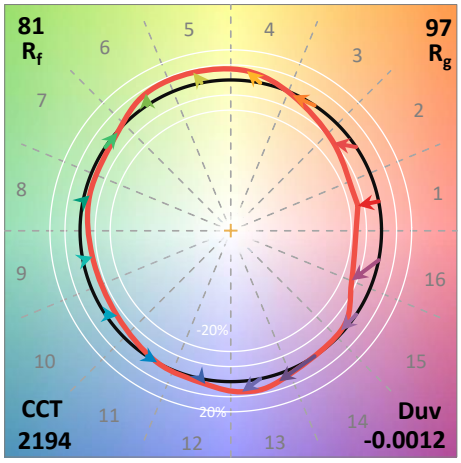
Spectral Power Distribution Comparison

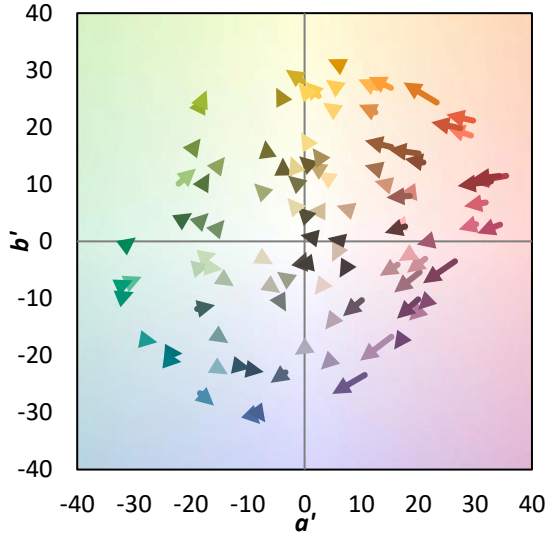


Color Vector Graphics







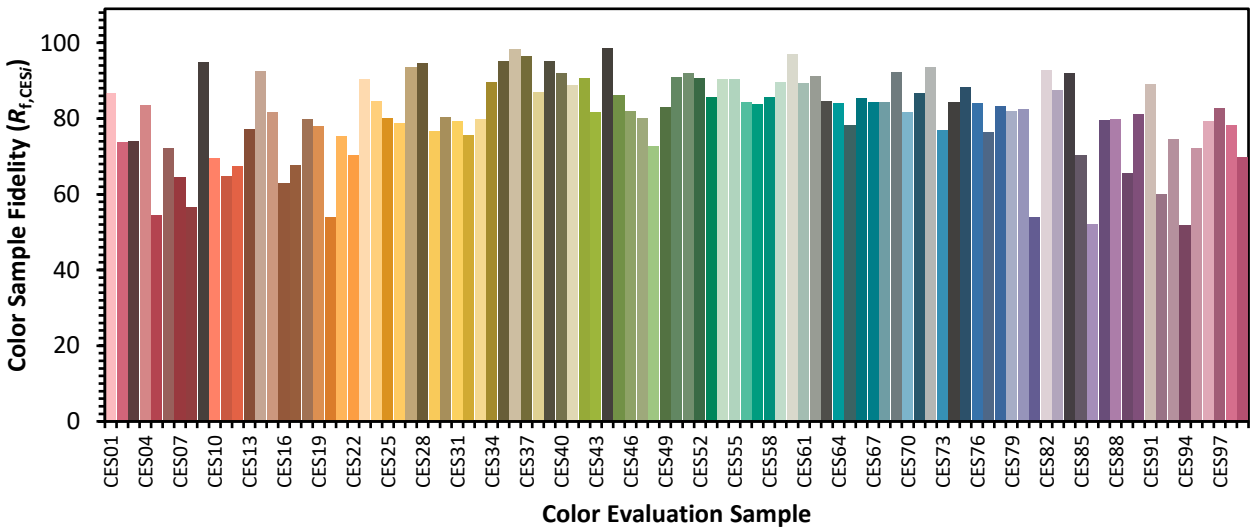


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

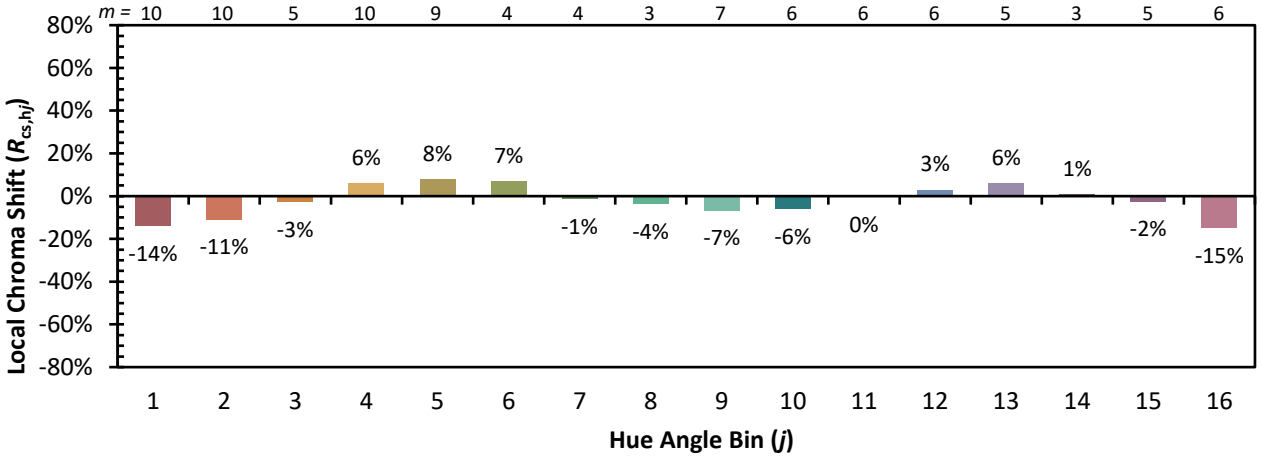
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

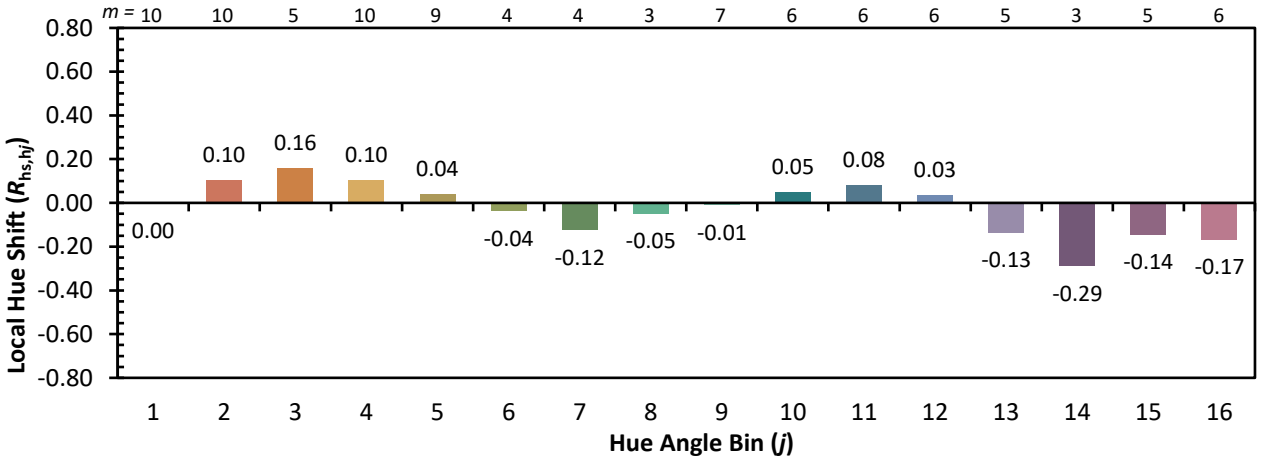


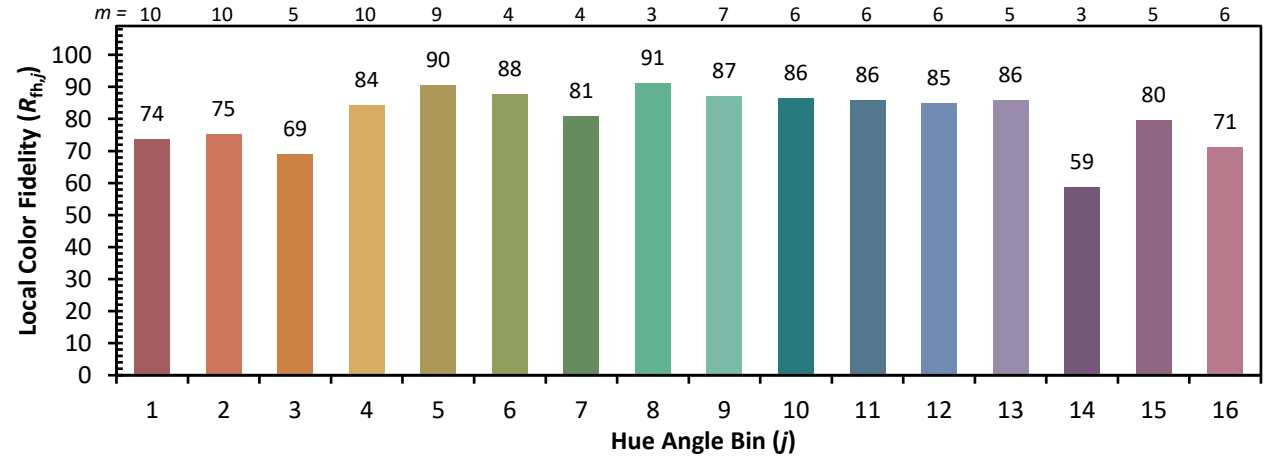
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Color Rendition by Hue-Angle Bin



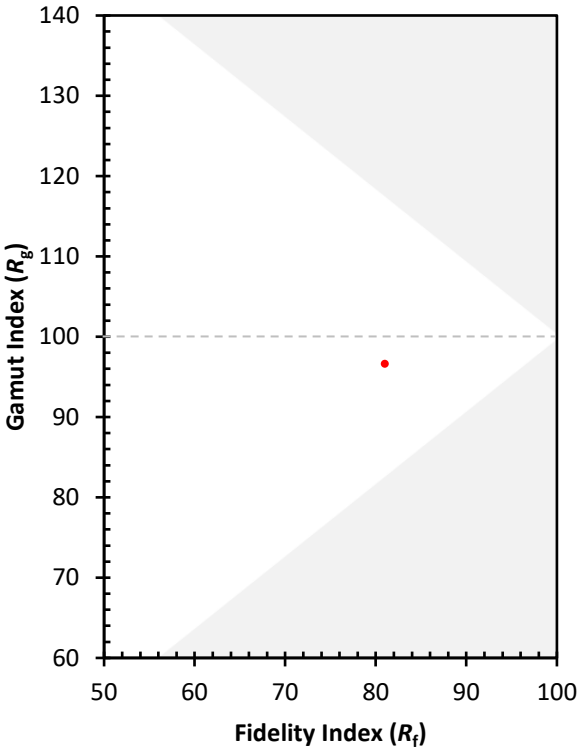


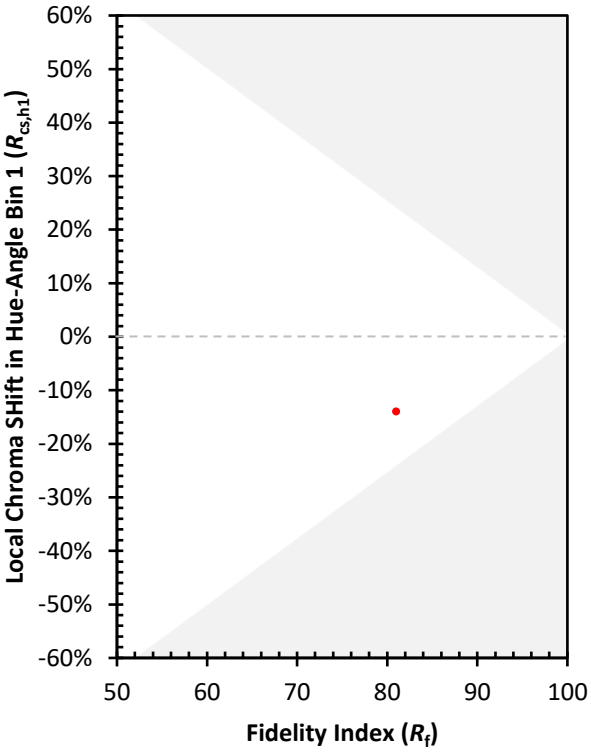


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Measure Comparisons





(END OF REPORT)