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: P1045736

Luminaire Tested: **FFX-CLB-60-722-U-FR-T5-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:	P1045736
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5180.4 lumens
Efficiency:	N/A
Efficacy:	85.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U3 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

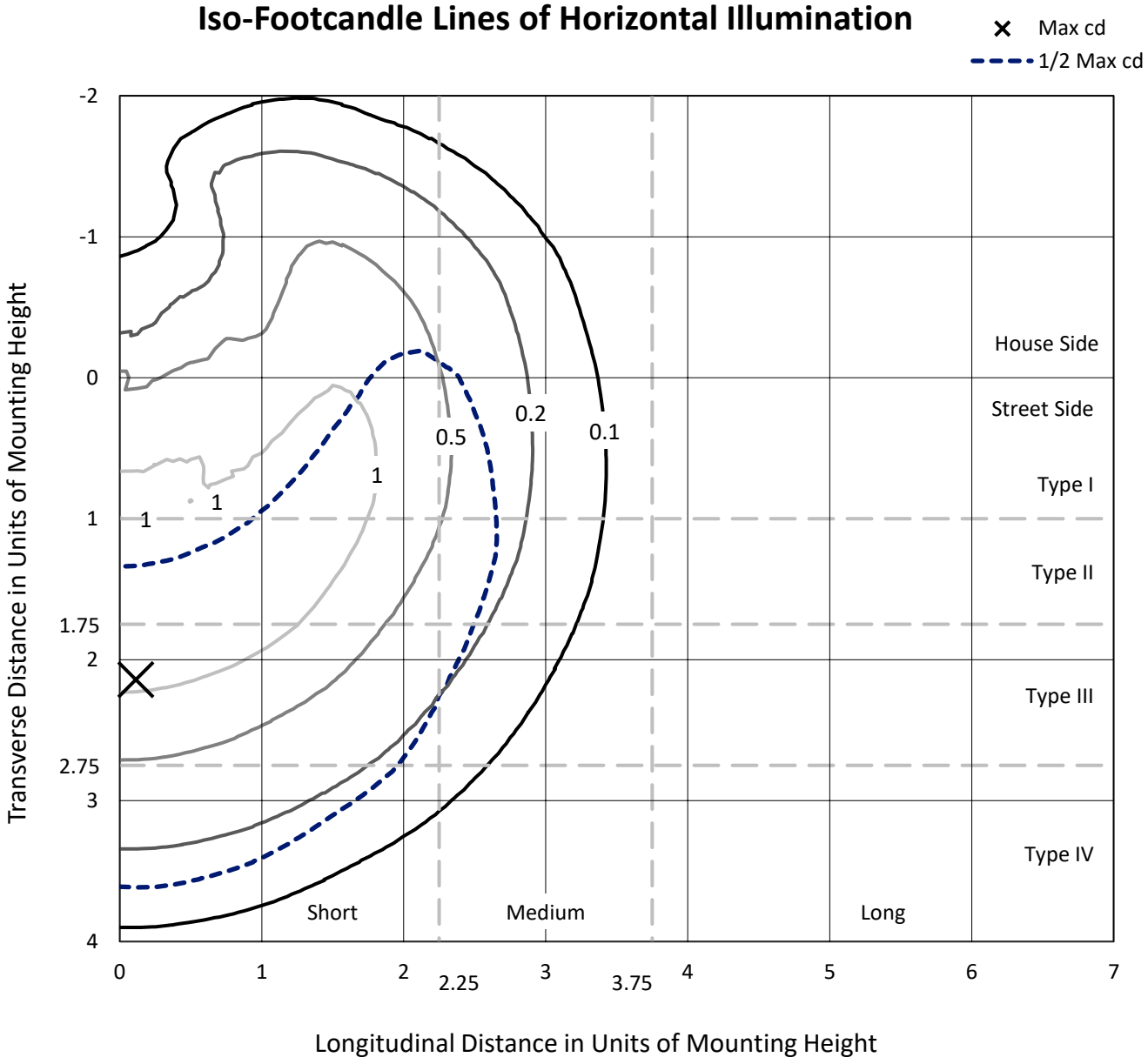


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Iso-Footcandle Lines of Horizontal Illumination



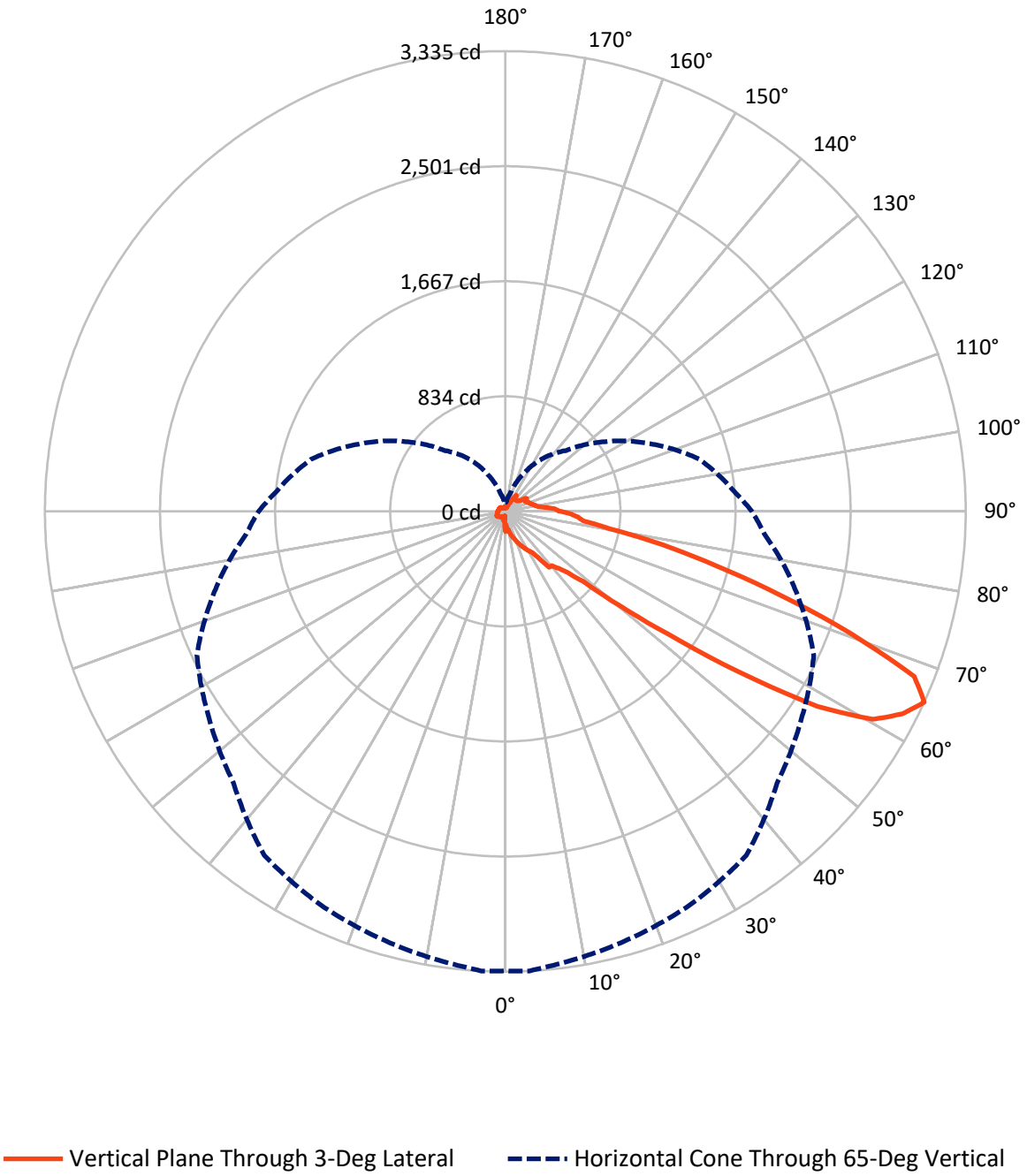
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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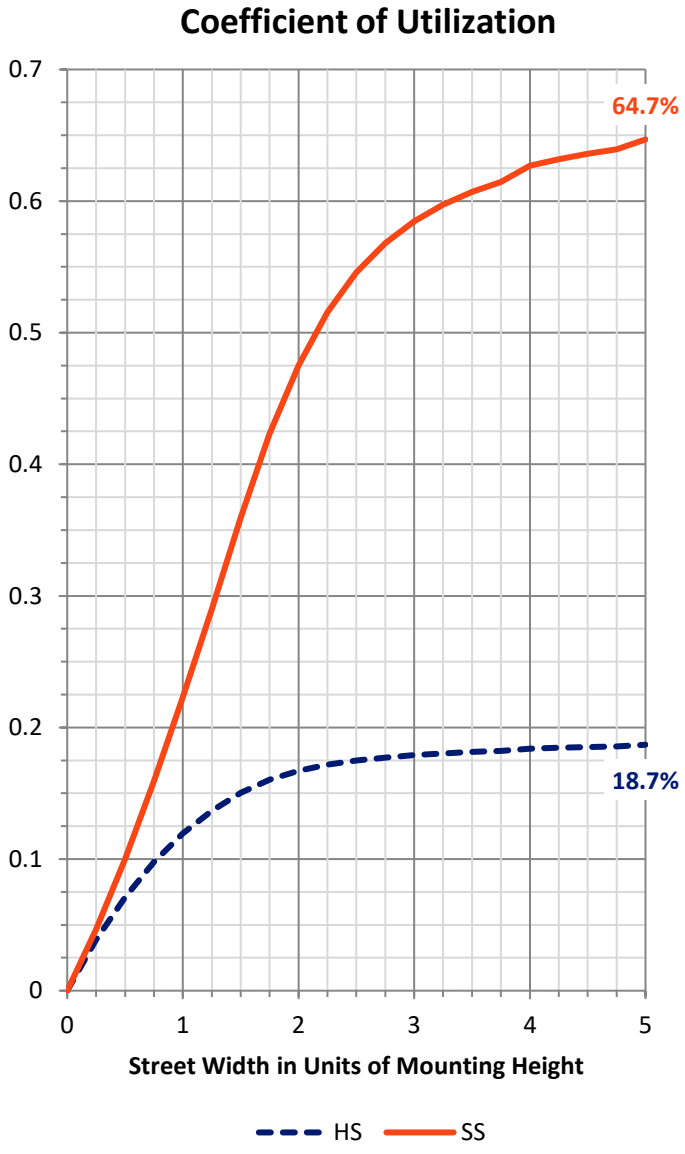
REPORT NUMBER: P1045736
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1002.3	217.9	1220.2
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	3494.9	465.4	3960.3
	% Fixture	67.5	9.0	76.4
Total	Lumens	4497.2	683.3	5180.4
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.2
10°-20°	35.3	0.7
20°-30°	78.7	1.5
30°-40°	159.2	3.1
40°-50°	319.7	6.2
50°-60°	1026.0	19.8
60°-70°	1636.6	31.6
70°-80°	890.3	17.2
80°-90°	342.1	6.6
90°-100°	203.9	3.9
100°-110°	135.3	2.6
110°-120°	107.8	2.1
120°-130°	89.9	1.7
130°-140°	61.9	1.2
140°-150°	50.0	1.0
150°-160°	22.3	0.4
160°-170°	9.1	0.2
170°-180°	3.1	0.1
0°-90°	4497.2	86.8
0°-180°	5180.4	100.0



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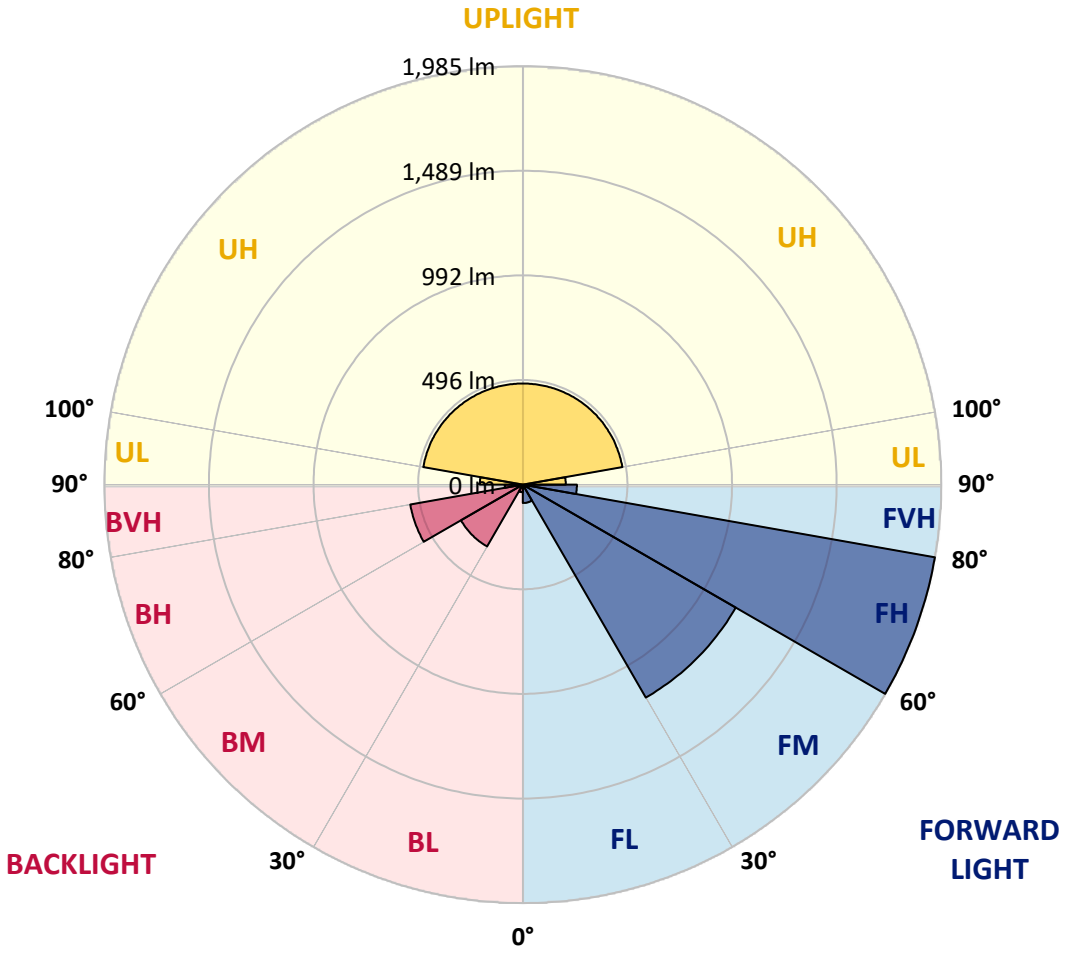
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	87.4	1.7			
FM	(30°-60°)	1166.3	22.5			
FH	(60°-80°)	1984.8	38.3			G2/5000
FVH	(80°-90°)	256.5	5.0			G3/500
BL	(0°-30°)	36.0	0.7	B0/110		
BM	(30°-60°)	338.7	6.5	B1/1000		
BH	(60°-80°)	542.0	10.5	B2/1000		G2/1000
BVH	(80°-90°)	85.6	1.7			G1/100
UL	(90°-100°)	203.9	3.9		U3/500	
UH	(100°-180°)	479.3	9.3		U3/500	

BUG Rating: B2-U3-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	94.6	94.0	95.8	104.2	125.6	132.7	126.8	116.7	114.9	125.6	133.9
5°	129.2	128.0	126.8	118.4	110.1	114.3	126.2	129.2	117.3	95.2	80.9
7.5°	130.9	129.8	130.3	130.3	128.6	120.8	111.9	116.1	126.2	112.5	88.7
10°	145.8	145.2	145.2	144.6	142.8	140.5	139.9	130.9	115.5	103.6	98.8
12.5°	170.2	170.2	169.6	169.0	167.3	163.1	157.7	150.6	145.8	131.5	116.7
15°	189.9	188.1	189.3	187.5	184.5	182.1	175.6	167.8	153.6	144.0	130.9
17.5°	208.9	208.9	209.5	206.5	203.0	201.2	194.0	183.9	170.2	153.6	141.1
20°	232.7	230.9	230.9	228.0	223.8	217.8	211.3	202.4	191.1	168.4	151.8
22.5°	255.3	255.9	255.9	251.2	244.6	239.3	230.3	219.6	208.9	185.7	164.3
25°	280.9	280.3	279.7	279.2	272.6	263.1	251.8	240.5	232.7	210.1	180.3
27.5°	304.7	303.6	303.0	305.9	300.0	290.5	273.8	260.1	251.8	228.6	195.2
30°	330.9	330.3	330.3	331.5	329.1	314.3	296.4	280.3	268.4	245.2	209.5
32.5°	354.1	353.0	353.6	358.3	357.7	338.7	322.6	303.0	288.1	269.6	230.3
35°	411.3	408.9	412.5	419.6	425.0	404.7	382.7	352.4	329.7	310.7	270.2
37.5°	514.3	514.9	516.0	506.5	486.3	471.4	460.7	436.3	408.3	376.2	328.6
40°	518.4	517.8	520.8	535.1	543.4	517.8	492.8	464.3	457.1	429.7	369.0
42.5°	566.6	563.1	566.0	579.7	591.0	575.6	553.5	505.3	479.1	454.7	404.7
45°	635.7	631.5	636.9	639.2	636.9	620.2	623.8	584.5	560.1	510.7	441.0
47.5°	741.0	760.1	763.1	763.6	787.5	764.8	750.6	713.1	657.7	598.8	519.6
50°	1040.4	1071.4	1060.7	1050.5	1052.3	1035.1	1015.4	963.6	889.2	789.8	676.7
52.5°	1485.0	1473.1	1474.9	1481.5	1498.1	1421.3	1388.0	1310.0	1189.8	1070.8	907.7
55°	2029.0	2049.3	2048.1	2069.5	2066.5	1983.8	1878.5	1747.5	1572.5	1398.1	1205.3
57.5°	2701.6	2665.9	2642.1	2602.8	2568.9	2456.4	2386.8	2245.1	2013.6	1751.7	1504.1
60°	3079.0	3059.3	3053.4	2999.2	2952.8	2814.7	2671.3	2517.7	2336.8	2027.3	1746.3
62.5°	3220.6	3230.2	3221.8	3186.7	3155.8	3034.9	2793.9	2626.6	2464.7	2167.1	1871.3
65°	3329.6	3334.9	3315.9	3236.1	3151.6	3043.3	2783.8	2618.9	2465.3	2172.5	1883.2
67.5°	3196.2	3195.1	3180.2	3065.3	2922.5	2815.3	2579.6	2402.2	2271.9	2027.3	1748.1
70°	2654.0	2657.6	2660.6	2576.0	2419.5	2339.7	2101.1	1948.7	1836.2	1624.9	1424.3
72.5°	2077.9	2088.6	2093.3	2027.3	1911.2	1829.1	1669.5	1555.3	1450.5	1282.7	1124.9
75°	1563.0	1573.7	1570.7	1529.7	1448.1	1425.5	1348.1	1250.5	1163.0	1032.7	899.4
77.5°	1172.6	1163.6	1161.2	1121.4	1041.0	1047.0	1024.9	969.0	901.1	824.4	731.5
80°	776.7	769.0	753.5	767.2	760.7	741.6	705.3	676.7	650.0	604.1	553.5
82.5°	571.4	569.0	566.0	557.1	551.2	546.4	530.3	484.5	452.4	426.2	395.8
85°	534.5	527.4	528.5	513.1	494.6	477.9	465.4	445.8	420.8	379.7	335.7
87.5°	466.6	466.6	463.1	452.4	433.9	429.7	420.8	407.1	392.2	360.7	321.4
90°	388.1	385.7	385.7	385.1	380.9	378.0	360.7	348.2	341.6	310.1	282.7
92.5°	358.3	357.1	354.7	351.8	339.9	337.5	320.2	304.1	289.9	270.2	248.8
95°	291.1	293.4	288.1	287.5	281.5	278.0	264.3	256.5	247.0	230.9	211.3
97.5°	245.8	242.2	242.8	237.5	231.5	229.2	220.8	209.5	200.6	188.1	173.8
100°	225.6	225.0	223.8	219.6	211.3	205.9	197.0	186.3	177.4	166.1	154.2
102.5°	212.5	211.9	211.3	207.7	198.2	195.2	186.9	178.6	170.8	160.7	145.2
105°	199.4	198.8	197.6	193.4	187.5	184.5	176.8	172.0	164.3	155.3	140.5
107.5°	187.5	187.5	186.9	182.1	178.6	176.2	168.4	164.3	155.9	148.2	133.9
110°	181.5	181.5	180.9	177.4	170.2	166.7	159.5	154.2	146.4	138.7	127.4

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	175.0	*175.6*	175.6	176.8	159.5	153.0	147.0	142.8	136.3	129.2	119.6
115°	160.1	*160.7*	160.1	166.1	160.1	151.2	147.6	140.5	132.1	120.8	110.7
117.5°	161.3	*161.3*	162.5	165.5	162.5	154.2	146.4	137.5	130.3	119.0	110.1
120°	182.7	*181.5*	181.5	175.6	174.4	166.7	161.3	151.8	139.9	128.6	116.1
122.5°	175.6	*175.0*	175.6	166.1	165.5	163.7	161.9	160.1	144.6	138.1	122.0
125°	140.5	*139.3*	138.7	135.1	141.1	136.9	135.7	139.9	129.8	123.8	114.9
127.5°	125.6	*124.4*	123.8	122.6	126.2	119.0	117.9	119.0	111.3	104.2	98.8
130°	120.2	*118.4*	118.4	122.6	128.0	122.0	115.5	110.7	107.7	103.0	94.0
132.5°	113.7	*113.7*	114.3	119.6	129.2	122.6	110.7	101.2	100.0	100.6	96.4
135°	111.9	*111.3*	111.9	110.1	109.5	105.9	100.6	92.9	91.1	95.8	91.1
137.5°	114.9	*114.3*	113.7	108.9	103.6	100.6	99.4	94.6	89.9	86.9	82.1
140°	113.7	*113.7*	113.1	111.9	108.3	102.4	101.2	96.4	91.7	86.3	80.4
142.5°	115.5	*117.3*	118.4	119.6	118.4	111.9	105.4	97.6	92.3	89.3	82.7
145°	142.3	*142.3*	142.3	139.9	135.7	130.3	125.6	120.2	116.1	106.5	97.6
147.5°	117.9	*117.9*	117.3	117.9	117.9	115.5	114.9	113.1	113.7	108.9	100.0
150°	81.5	*83.3*	83.3	86.3	87.5	86.3	86.3	87.5	85.7	85.1	80.4
152.5°	66.1	*65.5*	64.3	65.5	65.5	66.1	66.1	64.9	64.3	64.3	61.3
155°	58.3	*58.3*	58.3	57.7	56.5	57.1	57.7	57.7	55.9	54.8	52.4
157.5°	46.4	*45.8*	45.8	47.0	47.0	47.0	47.0	47.0	47.0	47.6	48.2
160°	39.3	*38.1*	38.7	38.7	39.3	39.9	39.3	39.9	39.9	40.5	39.9
162.5°	32.1	*31.5*	31.5	32.1	32.7	33.3	33.9	33.9	34.5	35.7	36.3
165°	28.6	*28.6*	28.6	29.2	29.2	29.8	30.4	31.0	32.1	33.9	34.5
167.5°	26.8	*26.8*	26.8	26.8	27.4	28.0	29.2	31.0	32.1	33.9	33.9
170°	26.2	*26.2*	26.8	26.8	26.8	27.4	29.8	31.5	32.1	32.7	32.7
172.5°	27.4	*27.4*	27.4	27.4	27.4	28.6	31.5	32.1	32.1	32.1	32.7
175°	28.6	*28.6*	28.0	28.0	28.6	29.2	29.8	32.7	33.9	34.5	35.7
177.5°	26.8	*26.8*	26.8	27.4	27.4	28.0	28.6	29.8	29.8	31.0	32.7
180°	29.8	*29.8*	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	139.9	150.0	137.5	124.4	114.9	120.2	126.2	121.4	116.1	116.7	106.5
5°	83.9	86.3	87.5	76.2	63.1	70.2	85.7	80.4	61.9	34.5	29.8
7.5°	80.9	77.4	76.2	84.5	76.8	51.2	39.9	36.3	48.2	57.7	60.7
10°	95.8	91.7	82.7	67.9	60.1	56.5	55.4	53.0	45.8	35.7	33.9
12.5°	110.1	105.4	97.0	89.9	79.8	66.7	58.3	55.9	60.1	67.3	67.3
15°	124.4	117.9	107.1	97.6	89.9	75.6	64.9	55.4	54.2	55.9	55.9
17.5°	134.5	127.4	114.9	101.8	88.1	74.4	61.9	52.4	48.2	47.0	47.0
20°	144.6	138.1	123.2	108.9	92.3	76.2	61.9	51.8	47.0	45.2	44.6
22.5°	157.7	149.4	132.7	117.3	97.0	77.4	61.3	52.4	47.0	44.0	43.4
25°	172.6	163.1	144.0	125.6	101.8	78.6	61.9	53.0	47.6	44.0	43.4
27.5°	184.5	174.4	155.9	135.1	107.7	81.5	64.3	54.2	48.2	44.6	44.0
30°	198.2	187.5	166.7	145.2	114.9	86.3	69.0	57.7	50.6	45.8	45.8
32.5°	219.0	204.8	181.5	154.8	122.0	91.7	74.4	61.9	53.0	49.4	49.4
35°	253.0	238.7	207.7	173.2	129.8	97.0	78.6	66.1	55.9	51.2	51.2
37.5°	307.1	285.7	251.2	203.6	142.3	101.2	83.3	69.0	57.7	51.2	50.0
40°	338.7	314.9	271.4	226.2	157.7	106.5	86.9	71.4	58.9	51.8	51.2
42.5°	373.8	346.4	290.5	232.1	167.8	119.0	92.3	73.8	60.1	53.6	52.4
45°	410.7	384.5	333.9	263.7	191.7	136.3	101.2	78.6	63.7	55.9	54.8
47.5°	477.9	445.8	380.3	308.3	226.8	163.7	120.8	86.3	67.9	58.3	57.1
50°	629.1	599.4	508.3	400.6	282.7	203.0	151.2	102.4	74.4	60.1	58.3
52.5°	833.9	780.9	677.9	542.8	394.6	284.5	201.8	138.1	84.5	61.9	58.9
55°	1131.5	1072.6	920.2	744.0	540.4	413.1	305.3	207.7	120.2	63.7	58.3
57.5°	1427.3	1355.9	1227.9	986.8	726.1	526.8	408.3	304.1	175.0	71.4	60.1
60°	1639.2	1552.3	1394.0	1173.1	880.9	619.6	461.3	331.5	194.6	73.2	61.9
62.5°	1764.2	1655.3	1456.5	1192.8	917.8	658.3	482.7	313.1	167.3	71.4	64.3
65°	*1786.8*	*1663.0*	*1456.5*	*1158.9*	*879.7*	*624.4*	*466.6*	*289.3*	*132.1*	*68.4*	*66.1*
67.5°	1657.0	1541.6	1367.2	1064.2	780.3	536.3	401.8	238.1	100.6	66.1	65.5
70°	1360.0	1273.1	1130.9	869.6	633.3	436.3	319.6	183.3	81.5	63.1	61.9
72.5°	1061.2	980.9	874.4	682.1	489.9	345.8	244.0	143.4	72.6	60.7	60.1
75°	835.1	775.0	686.9	538.7	368.4	261.9	185.1	108.3	65.5	59.5	58.3
77.5°	683.3	644.0	552.9	411.3	275.0	194.6	138.1	86.3	62.5	58.3	57.7
80°	531.5	498.8	441.6	307.7	197.0	146.4	108.9	76.2	60.7	57.7	57.1
82.5°	379.1	367.8	319.6	239.3	164.3	125.6	98.2	73.2	60.1	57.1	56.5
85°	316.6	300.6	264.9	207.7	151.2	119.6	94.0	72.0	60.1	57.1	56.5
87.5°	305.9	291.6	258.9	198.2	142.3	112.5	89.9	69.6	58.9	55.9	55.9
90°	270.2	255.9	230.9	178.6	130.9	104.8	83.9	66.1	56.5	53.6	53.6
92.5°	239.3	230.9	207.1	163.7	125.6	100.6	80.9	64.3	55.4	53.0	52.4
95°	202.4	195.2	176.8	147.6	117.9	95.8	78.6	62.5	54.2	51.8	51.8
97.5°	167.8	161.9	147.6	125.0	101.8	85.1	70.8	58.9	52.4	50.6	50.6
100°	148.2	143.4	130.9	112.5	94.0	79.8	68.4	58.3	51.8	49.4	49.4
102.5°	140.5	135.7	123.2	106.5	89.3	76.2	66.7	57.1	51.2	48.8	48.2
105°	134.5	129.8	118.4	101.2	84.5	72.6	63.1	55.9	50.0	48.2	47.6
107.5°	128.6	123.2	112.5	95.2	80.4	69.0	60.7	54.2	49.4	47.6	47.6
110°	122.0	117.3	107.1	90.5	77.4	66.7	59.5	53.6	49.4	47.6	47.6

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

Scaled Data Report

REPORT NUMBER: P1045736
CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	114.9	110.1	100.6	85.7	74.4	64.9	58.3	53.0	49.4	47.6	47.6
115°	106.5	102.4	93.4	80.9	70.8	62.5	56.5	51.8	48.2	47.0	47.0
117.5°	104.2	99.4	90.5	79.2	69.6	60.7	55.4	50.6	47.6	46.4	46.4
120°	109.5	103.0	93.4	82.7	69.6	59.5	54.2	50.0	47.0	45.8	45.8
122.5°	116.7	111.3	100.6	80.9	67.3	58.3	53.0	49.4	46.4	45.8	45.8
125°	110.1	106.5	96.4	75.0	64.9	57.1	52.4	49.4	47.0	45.8	45.8
127.5°	96.4	92.9	85.1	71.4	62.5	55.9	51.8	49.4	47.6	45.8	45.8
130°	91.1	86.3	79.2	68.4	60.1	54.2	51.2	49.4	47.6	45.2	44.6
132.5°	93.4	89.3	78.0	64.3	56.5	51.8	49.4	48.2	44.6	42.3	41.7
135°	88.1	83.9	72.6	61.3	54.8	51.2	48.8	45.2	41.7	38.7	38.7
137.5°	78.6	73.8	67.3	58.9	54.2	52.4	49.4	44.6	39.9	37.5	37.5
140°	78.0	72.6	66.7	58.3	53.0	48.2	44.6	39.9	36.3	35.1	34.5
142.5°	79.2	75.6	67.3	57.7	50.6	44.6	40.5	36.9	34.5	32.7	32.7
145°	91.7	86.3	75.6	63.1	54.8	47.6	41.7	36.9	33.3	30.4	29.8
147.5°	94.6	89.3	79.8	69.0	58.3	49.4	41.1	35.1	30.4	28.0	27.4
150°	79.2	75.6	70.2	61.9	52.4	43.4	36.3	31.0	28.0	26.8	26.2
152.5°	60.1	58.9	55.4	49.4	42.9	36.9	32.1	29.2	27.4	26.8	26.2
155°	51.2	50.6	47.0	42.3	36.9	32.7	29.8	28.0	26.8	26.8	26.2
157.5°	47.6	46.4	43.4	38.7	33.9	31.5	28.6	27.4	26.8	26.8	26.8
160°	39.9	38.7	36.3	34.5	31.5	29.8	28.0	27.4	26.8	26.8	26.2
162.5°	35.7	34.5	33.3	31.5	31.0	30.4	29.8	28.6	28.0	27.4	27.4
165°	33.9	33.3	31.5	31.0	31.0	31.5	31.5	30.4	29.2	28.0	28.0
167.5°	33.3	32.7	31.5	31.0	32.1	32.7	33.3	32.1	31.0	29.2	28.6
170°	33.3	33.3	32.7	32.1	32.7	33.3	33.9	33.9	33.3	32.1	32.1
172.5°	33.3	33.9	33.3	33.3	33.3	33.3	33.3	34.5	34.5	33.9	33.9
175°	35.7	35.7	33.9	33.3	33.9	34.5	35.1	34.5	34.5	35.1	35.1
177.5°	32.7	33.9	36.3	36.9	38.1	38.1	36.9	36.3	34.5	33.9	33.9
180°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

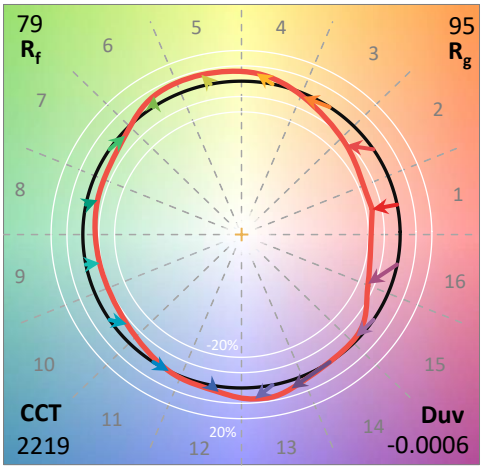
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

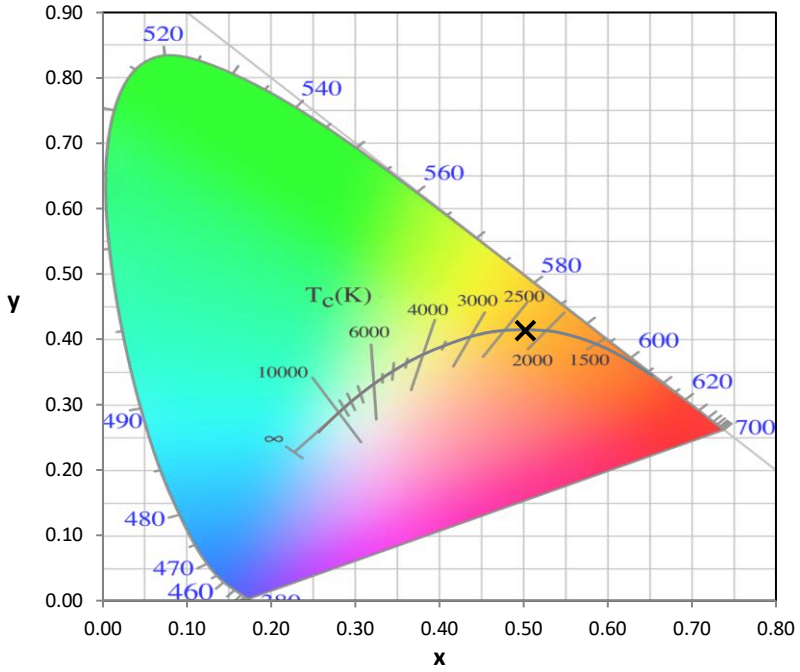
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

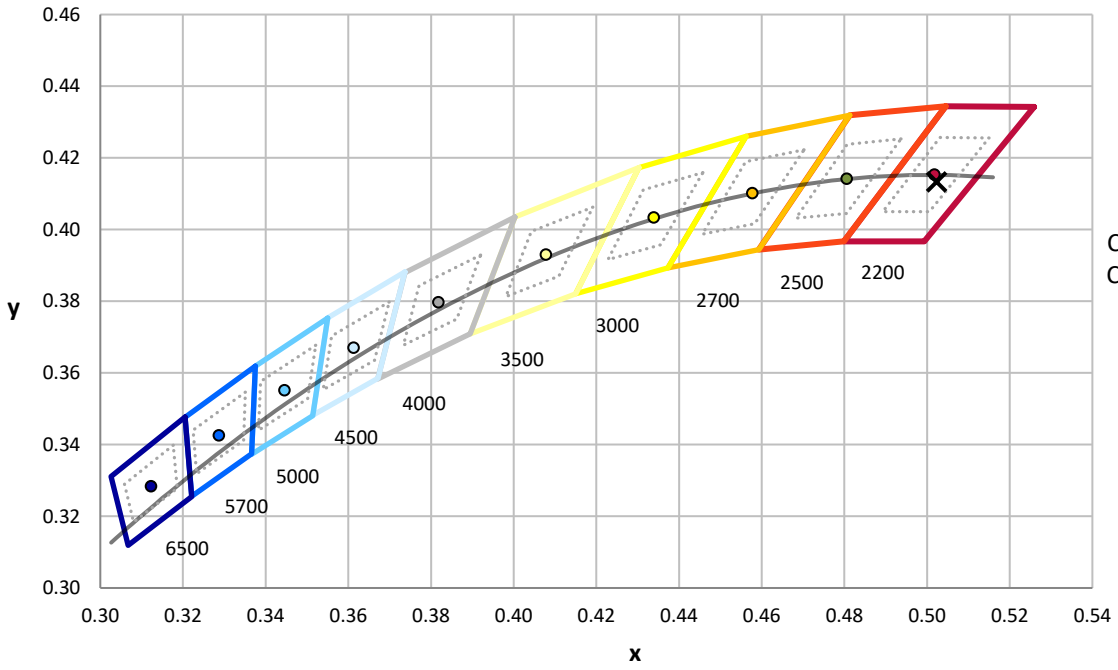
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

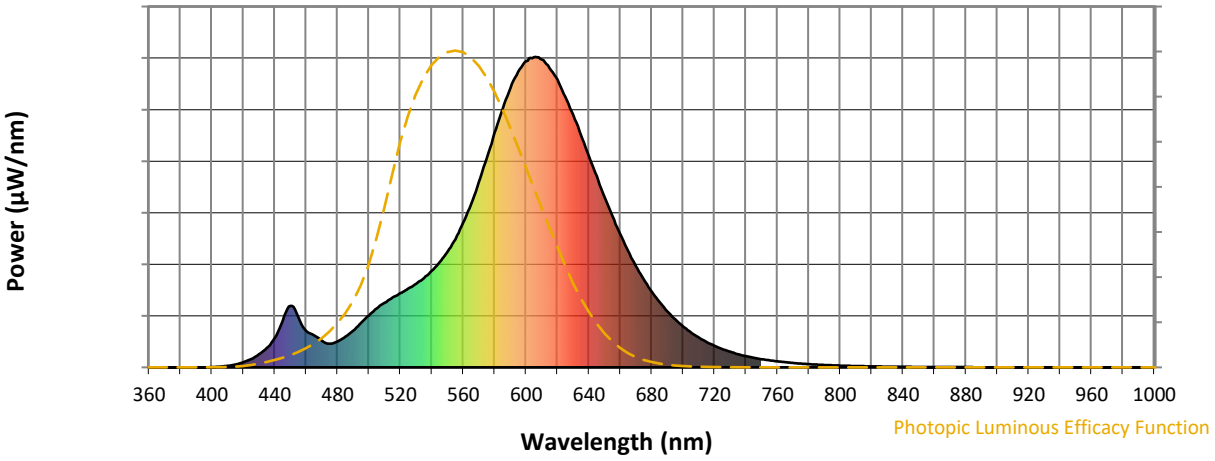


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

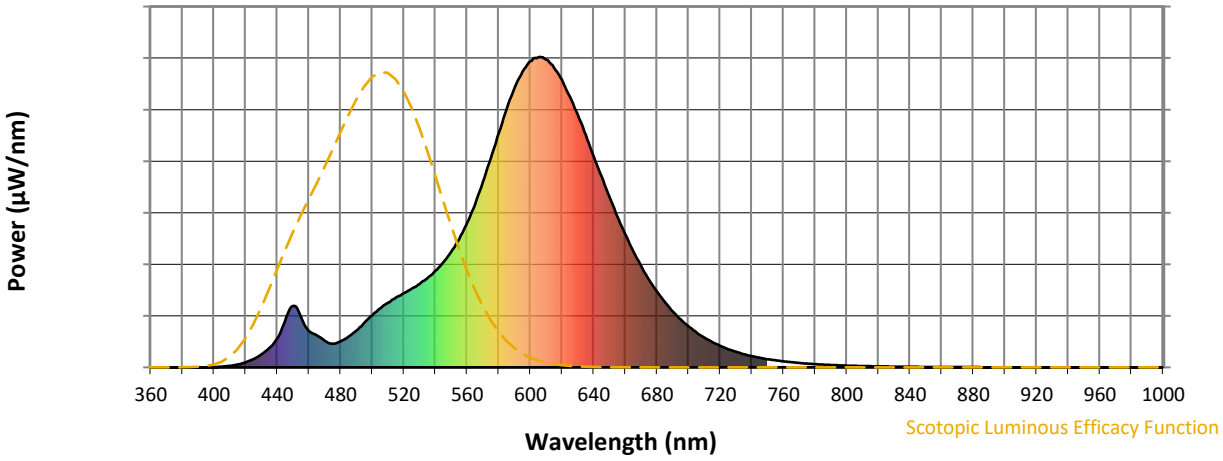


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

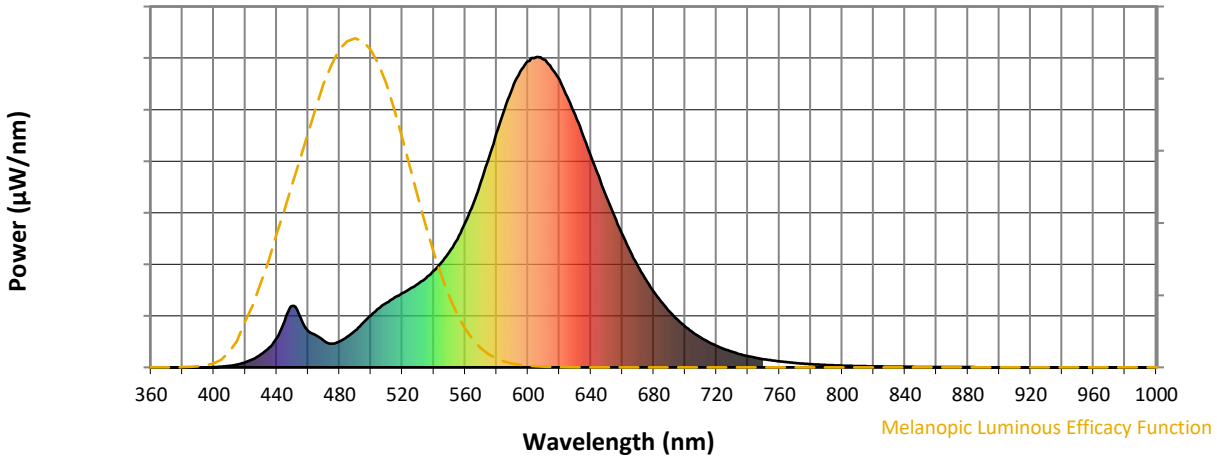


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

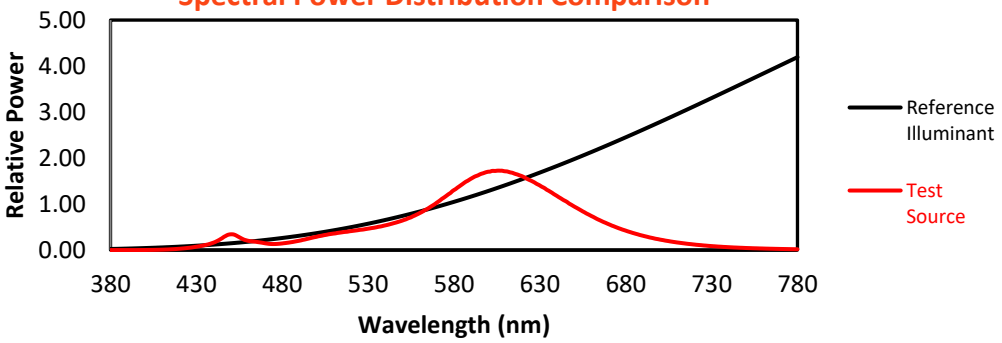
REPORT NUMBER: SP1-2501-332-2

TM-30-18

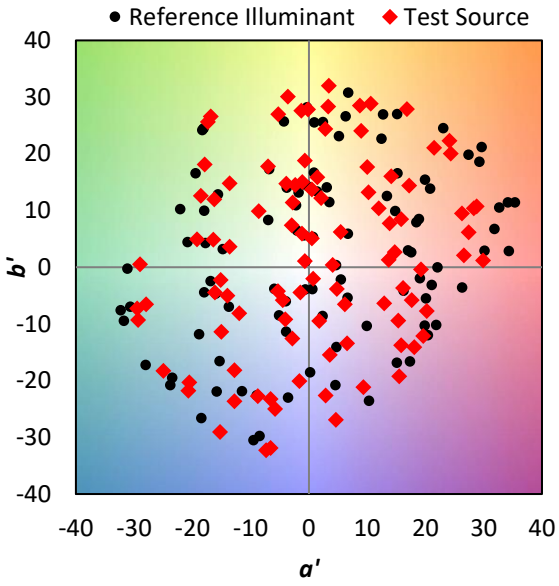
Summary

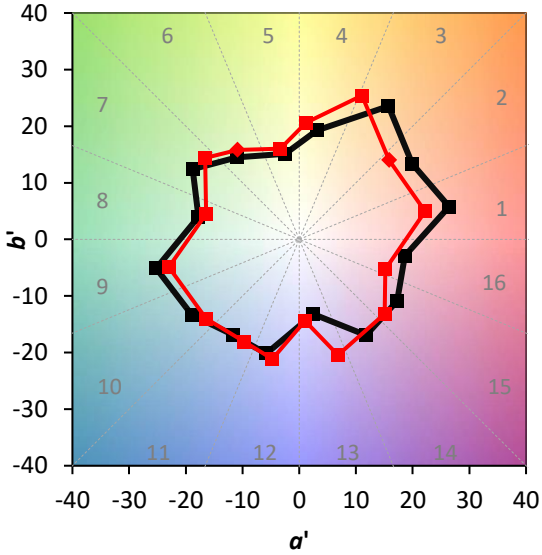
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

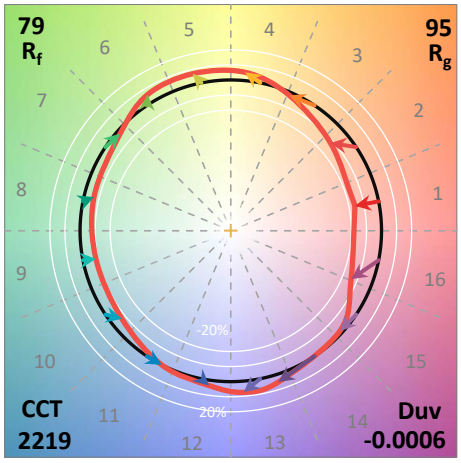
Spectral Power Distribution Comparison

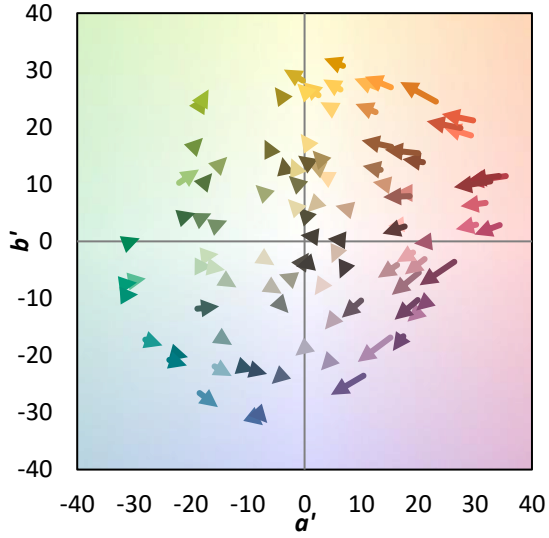


Color Vector Graphics







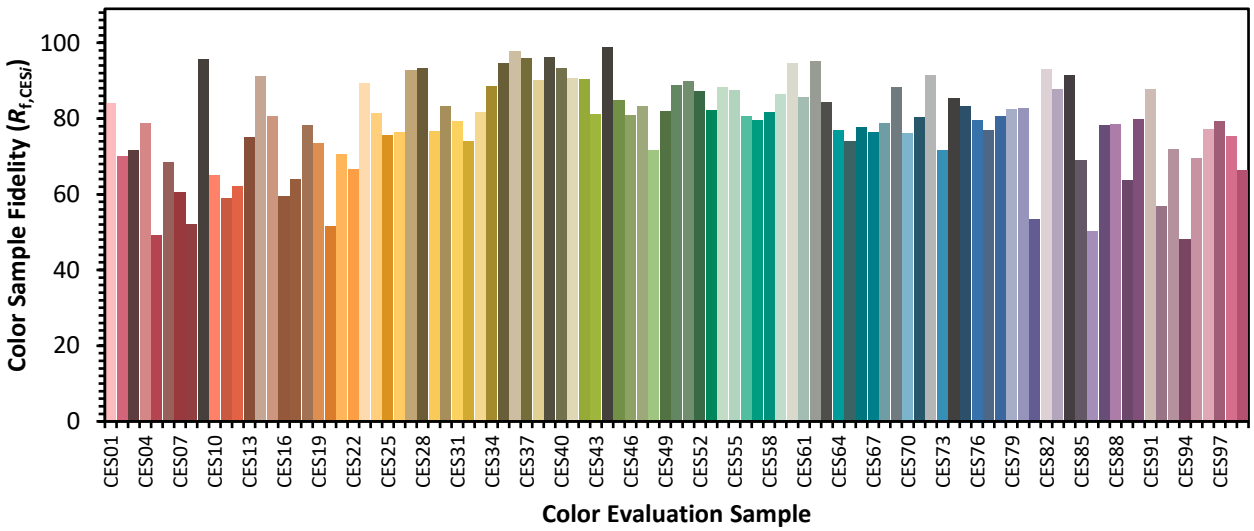


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

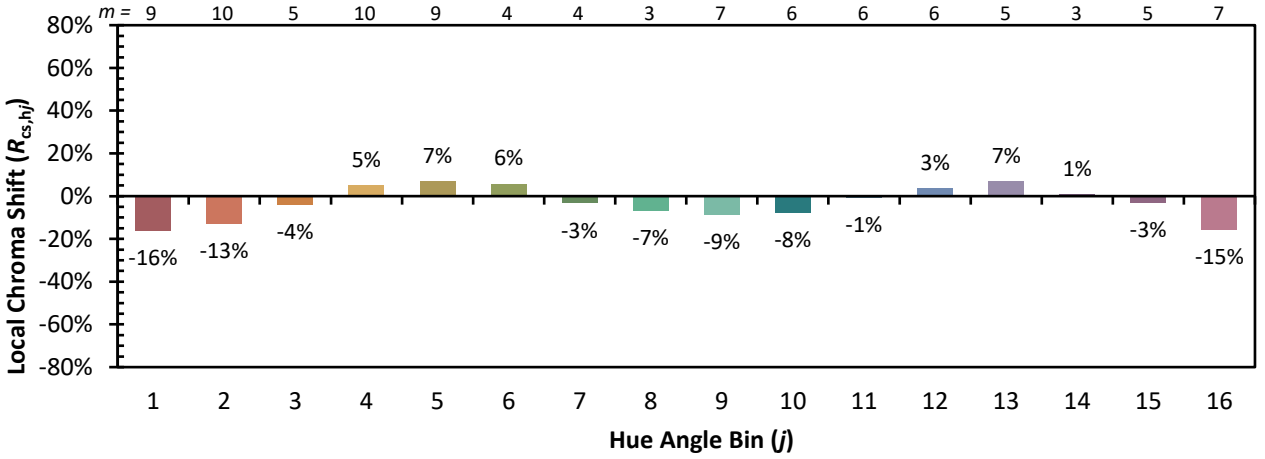
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

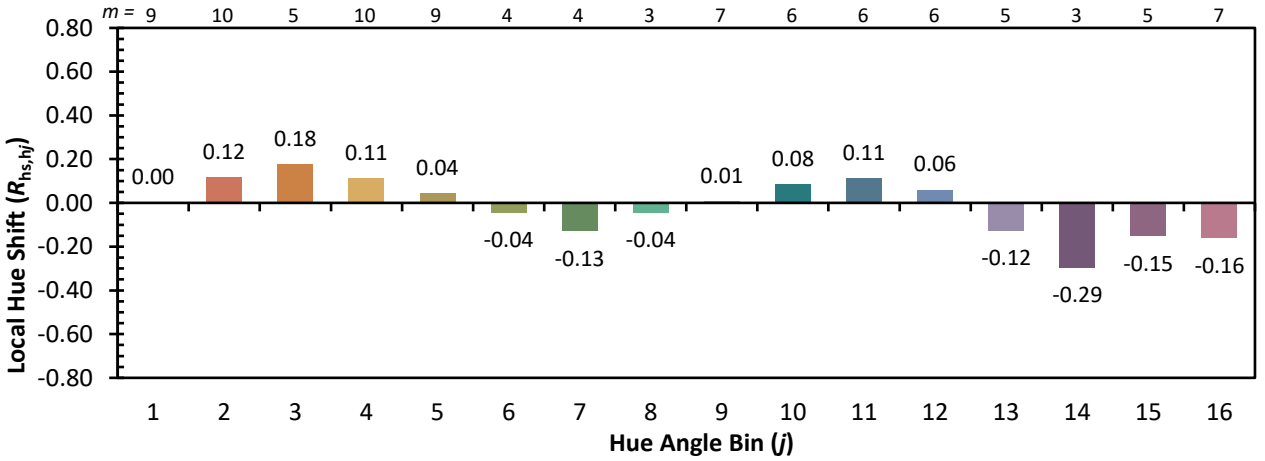


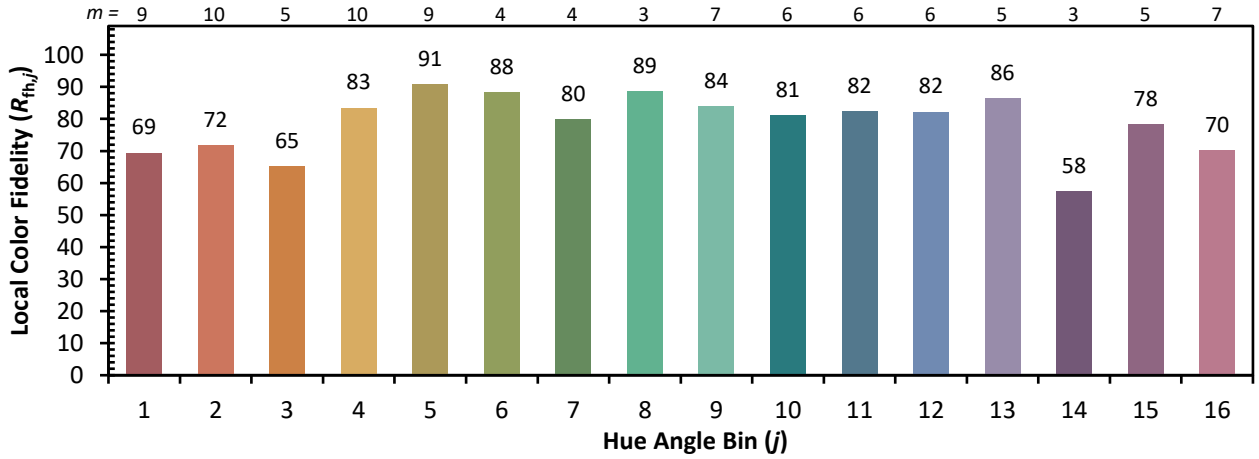
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Color Rendition by Hue-Angle Bin



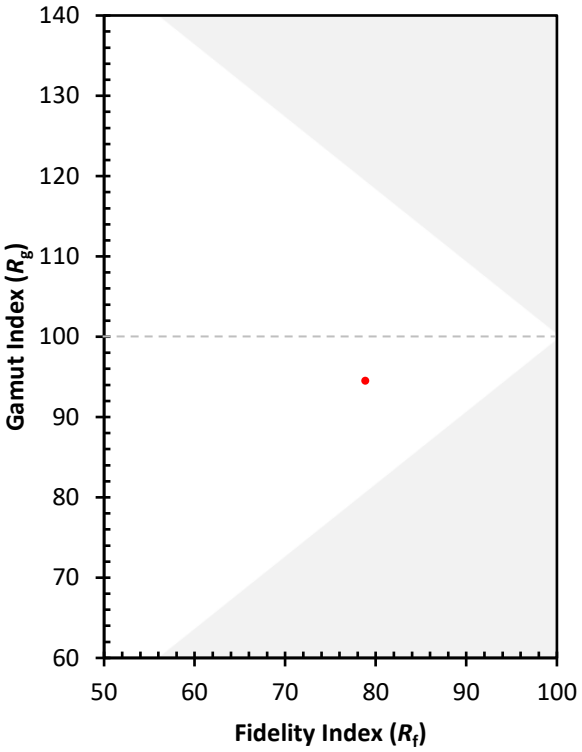


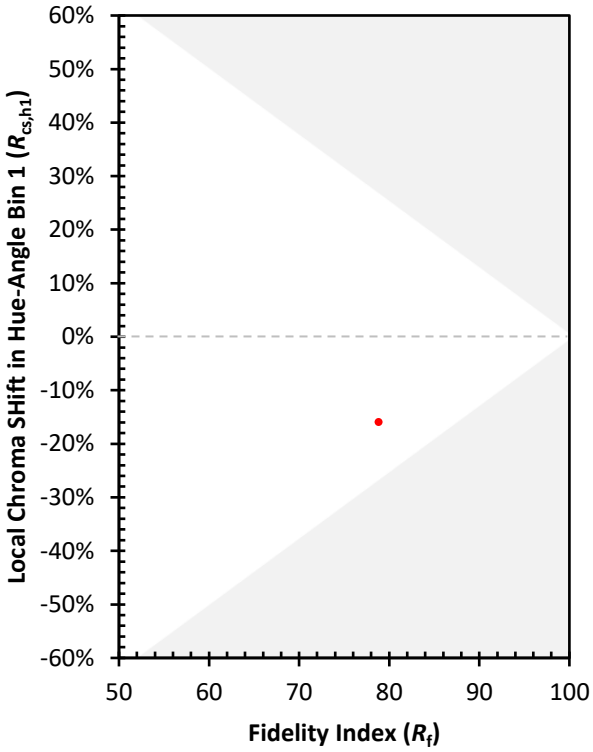


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Measure Comparisons





(END OF REPORT)