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: P1046564

Luminaire Tested: **FFX-CLB-60-730-U-FR-T3-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046564
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8376.2 lumens
Efficiency:	N/A
Efficacy:	138.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	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

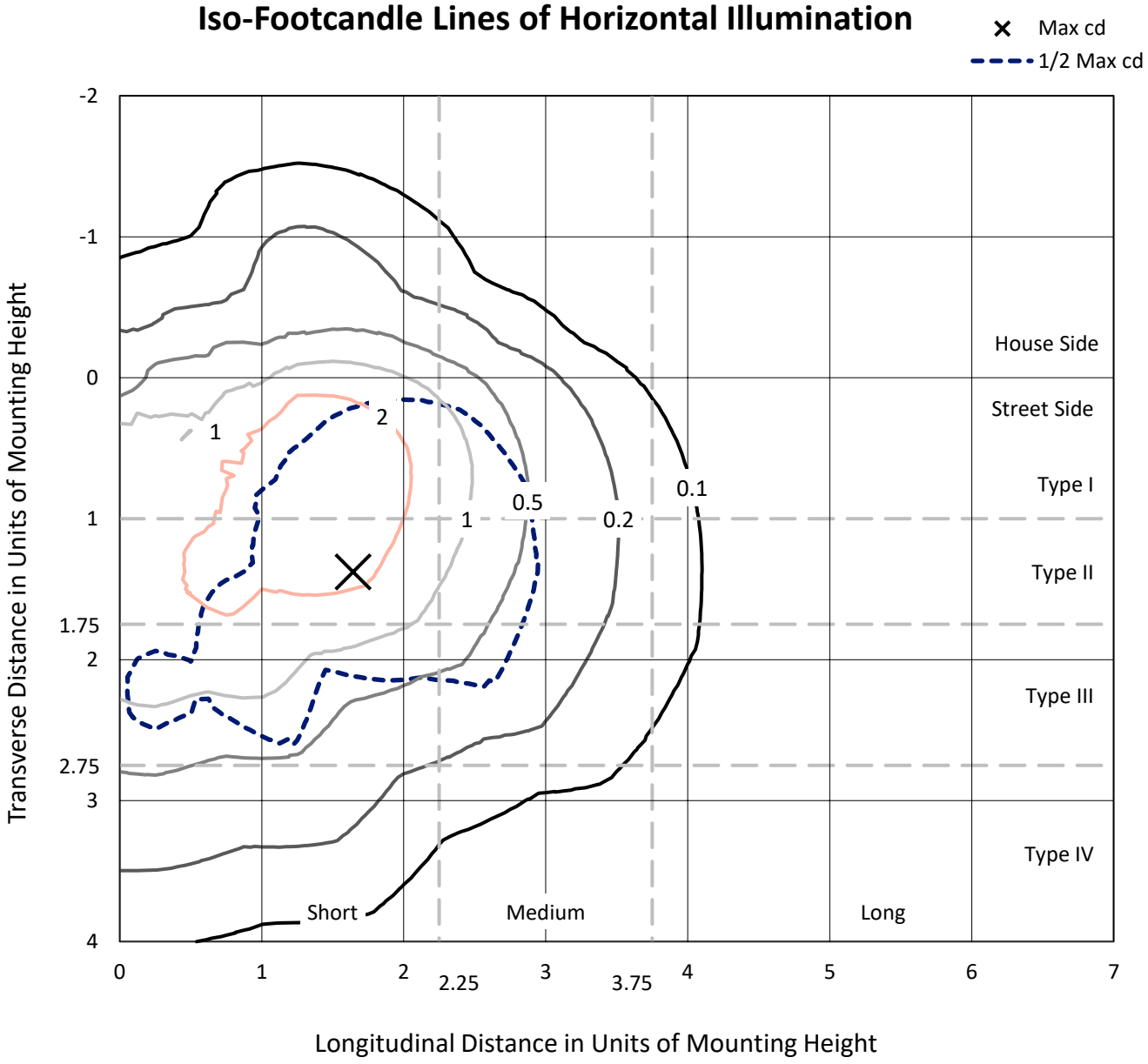


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Iso-Footcandle Lines of Horizontal Illumination



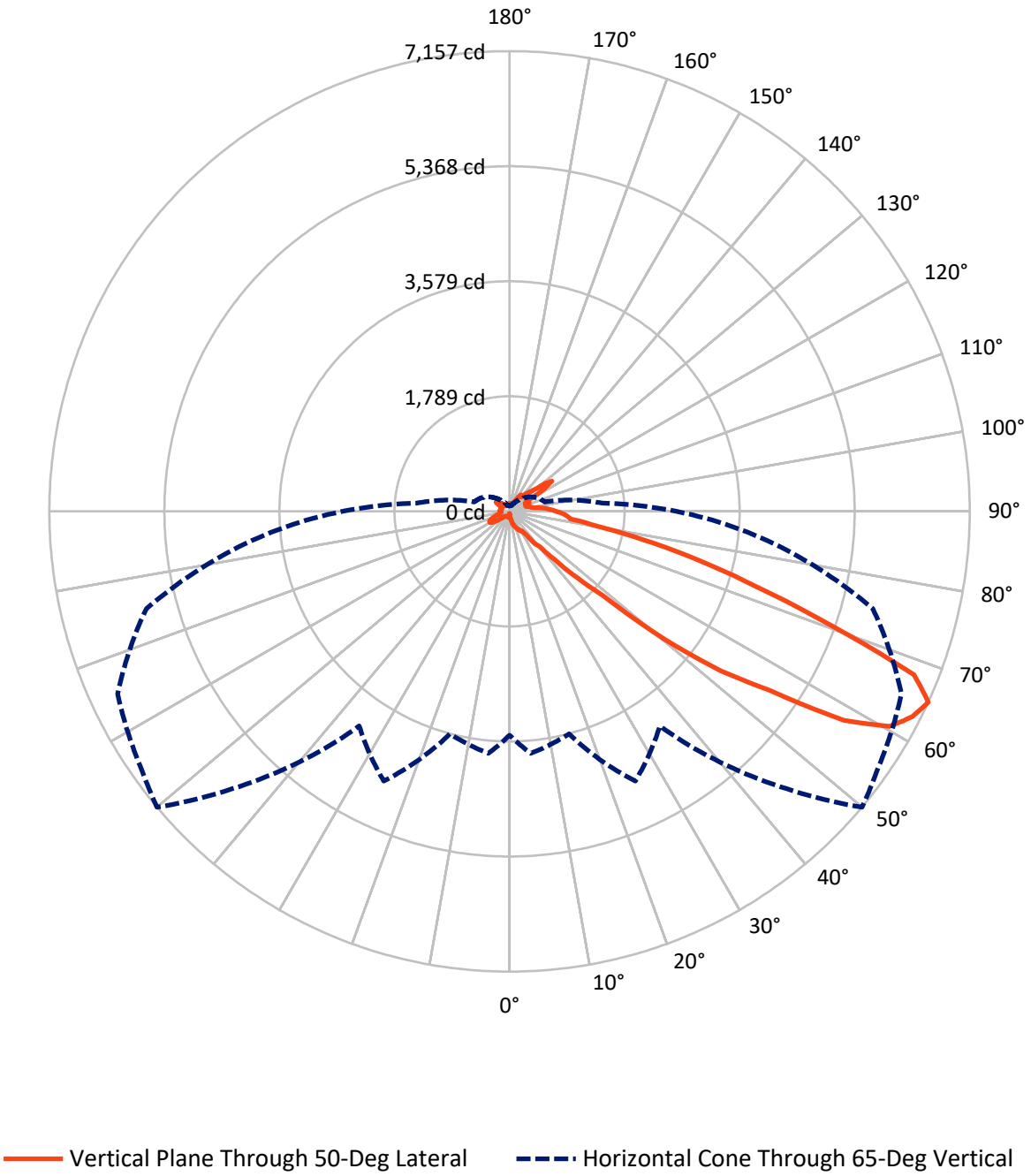
Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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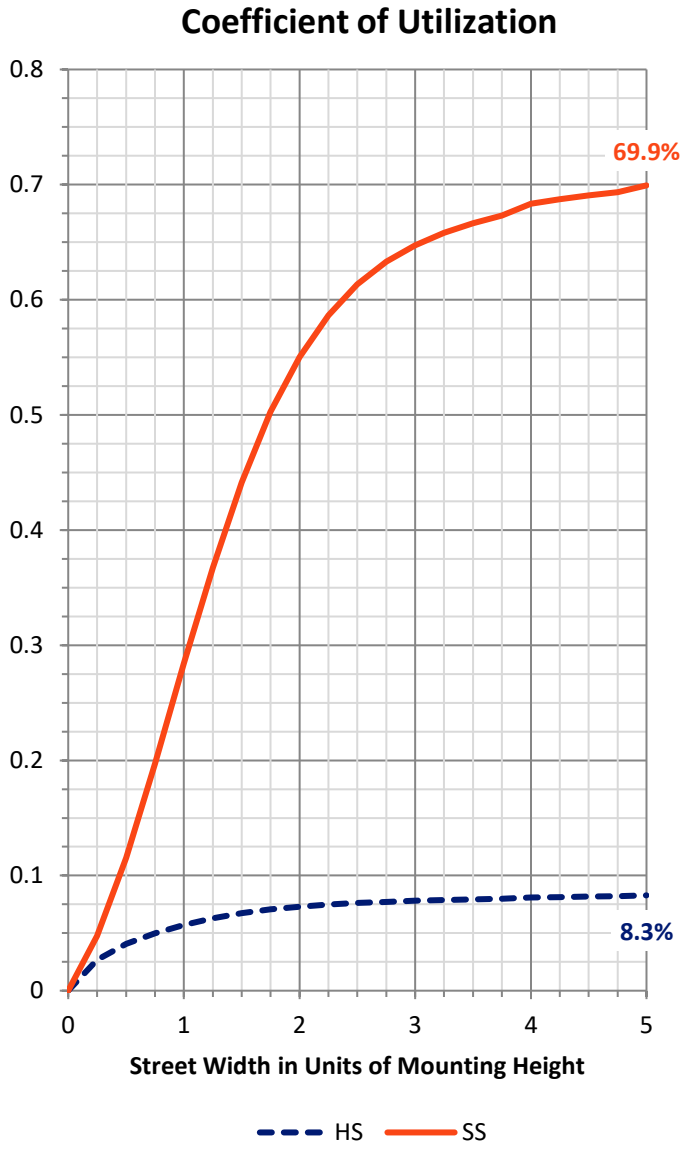
REPORT NUMBER: P1046564
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.7	483.7	1218.4
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	6059.1	1098.7	7157.8
	% Fixture	72.3	13.1	85.5
Total	Lumens	6793.9	1582.4	8376.2
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.1
10°-20°	43.7	0.5
20°-30°	93.3	1.1
30°-40°	186.4	2.2
40°-50°	488.3	5.8
50°-60°	1617.7	19.3
60°-70°	2551.2	30.5
70°-80°	1332.2	15.9
80°-90°	473.1	5.6
90°-100°	305.3	3.6
100°-110°	205.9	2.5
110°-120°	235.0	2.8
120°-130°	389.4	4.6
130°-140°	222.4	2.7
140°-150°	121.8	1.5
150°-160°	59.6	0.7
160°-170°	31.6	0.4
170°-180°	11.3	0.1
0°-90°	6793.9	81.1
0°-180°	8376.2	100.0



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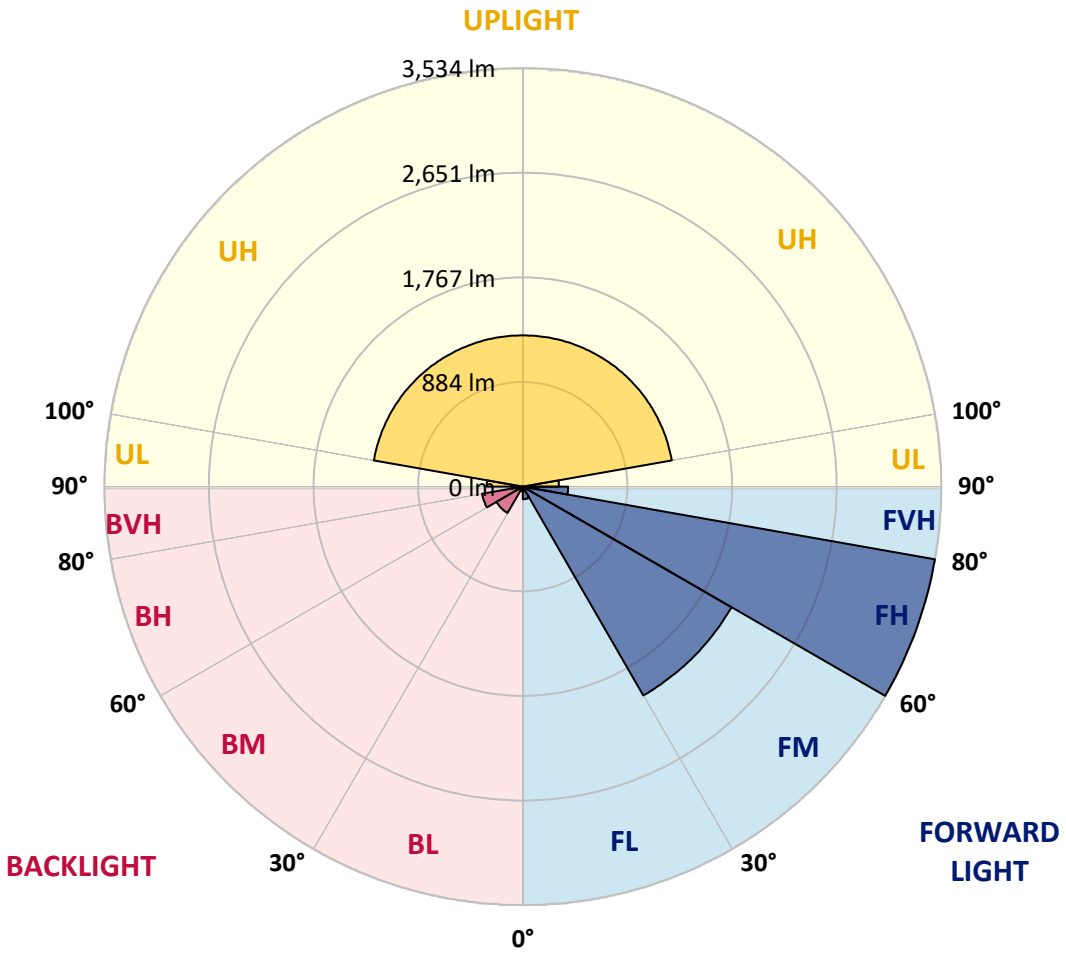
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	106.5	1.3			
FM	(30°-60°)	2035.6	24.3			
FH	(60°-80°)	3534.0	42.2			G2/5000
FVH	(80°-90°)	383.0	4.6			G3/500
BL	(0°-30°)	38.5	0.5	B0/110		
BM	(30°-60°)	256.8	3.1	B1/1000		
BH	(60°-80°)	349.4	4.2	B1/500		G1/500
BVH	(80°-90°)	90.0	1.1			G1/100
UL	(90°-100°)	305.3	3.6		U3/500	
UH	(100°-180°)	1277.1	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	46.8	46.8	46.8	46.8	46.8	46.8	*46.8*	46.8	46.8	46.8	46.8
2.5°	56.8	56.2	57.4	59.2	58.6	56.8	*55.6*	55.1	53.3	52.7	50.9
5°	84.1	83.5	82.3	83.5	84.1	81.7	*80.5*	77.5	74.6	69.3	66.3
7.5°	117.8	118.4	119.6	116.6	115.4	110.1	*108.9*	106.0	101.2	94.7	92.9
10°	159.8	160.4	163.4	158.6	151.0	144.4	*143.3*	144.4	149.8	133.2	123.1
12.5°	201.3	199.5	208.4	206.0	195.9	186.5	*181.7*	182.3	180.0	167.5	151.0
15°	239.7	239.7	246.3	248.6	238.0	216.1	*209.0*	207.2	206.0	193.0	169.9
17.5°	264.0	265.2	265.8	265.8	262.2	243.9	*235.6*	232.1	221.4	209.6	188.2
20°	284.1	284.7	279.4	280.0	285.3	269.3	*261.1*	254.0	242.7	230.3	203.6
22.5°	312.0	310.8	302.5	298.9	310.8	297.2	*288.3*	280.6	267.0	252.8	228.5
25°	342.8	341.6	333.3	324.4	332.7	320.3	*310.8*	303.7	291.3	281.8	232.1
27.5°	372.4	371.2	357.0	355.8	348.7	342.8	*332.7*	330.9	321.4	293.6	230.3
30°	394.3	393.1	377.7	378.3	359.9	364.7	*349.9*	348.7	337.4	300.7	234.4
32.5°	402.5	403.7	397.2	394.3	369.4	388.3	*374.7*	370.0	367.0	319.7	255.1
35°	432.7	442.2	452.3	455.8	433.3	468.8	*441.0*	437.5	444.6	388.9	318.5
37.5°	665.4	660.6	623.3	570.7	558.8	637.0	*632.8*	635.8	631.0	553.5	421.5
40°	666.0	668.9	645.3	613.3	576.0	655.9	*716.9*	663.0	741.7	603.2	462.3
42.5°	699.7	690.2	746.5	758.9	717.5	836.5	*1016.4*	813.4	983.3	735.2	629.3
45°	828.2	828.2	838.2	844.2	829.4	1128.3	*1476.4*	1134.8	1314.2	919.9	755.4
47.5°	960.8	949.5	1006.9	1103.4	1160.9	1452.1	*1948.8*	1499.5	1782.4	1236.6	1048.4
50°	1339.6	1355.6	1465.7	1578.2	1664.0	2161.9	*3137.5*	2569.2	2911.3	1901.4	1600.7
52.5°	1633.8	1727.4	1812.0	2127.6	2166.0	2954.0	*4124.3*	3447.1	3730.0	2671.6	1981.9
55°	1937.5	2122.8	2173.1	2730.2	2774.0	3795.7	*4909.8*	4366.4	4446.3	3522.2	2353.1
57.5°	2494.0	2752.7	2769.8	3364.2	3362.4	4890.3	*6129.9*	5685.9	5625.5	4485.4	2922.0
60°	2972.9	3267.7	3162.3	3985.8	3801.1	5697.2	*6791.1*	6343.6	6211.6	5257.9	3322.2
62.5°	3263.6	3551.3	3421.6	4395.4	4081.1	6083.1	*7030.3*	6769.2	6544.3	5725.6	3648.3
65°	*3480.2*	*3776.8*	*3582.6*	*4628.1*	*4075.7*	*6102.1*	*7157.0*	*6988.3*	*6724.8*	*5847.5*	*3720.0*
67.5°	3451.8	3741.3	3508.6	4535.7	3791.0	5556.9	*6784.6*	6574.5	6248.9	5376.9	3479.0
70°	2993.0	3167.7	2911.9	3863.2	3030.9	4298.3	*5285.1*	5163.8	4850.6	4116.0	2691.1
72.5°	2519.4	2562.7	2322.9	3023.8	2363.2	3131.5	*4016.0*	3886.3	3680.9	3054.6	2034.0
75°	1945.8	1945.8	1808.5	2267.3	1755.8	2222.3	*3039.8*	3006.6	2880.0	2292.1	1544.5
77.5°	1314.2	1245.5	1224.8	1531.4	1213.0	1466.3	*2116.3*	2194.4	2161.3	1641.0	1125.9
80°	766.0	782.6	753.6	945.4	798.0	959.0	*1358.0*	1461.0	1458.0	1089.8	738.8
82.5°	597.3	609.1	579.0	680.8	609.1	754.8	*951.9*	945.4	967.9	789.7	555.9
85°	588.4	597.3	565.9	629.3	584.9	716.9	*894.5*	892.7	888.0	731.1	522.1
87.5°	535.1	547.0	519.8	570.7	530.4	654.7	*812.8*	822.3	808.6	685.5	502.0
90°	447.5	460.0	448.1	507.3	465.9	564.7	*706.8*	713.9	702.1	610.9	452.9
92.5°	402.5	410.8	396.6	448.1	404.3	496.1	*624.5*	628.7	610.3	537.5	391.9
95°	371.2	379.5	361.7	399.6	357.0	437.5	*531.6*	545.2	518.0	453.5	333.9
97.5°	308.4	303.1	296.0	328.5	295.4	344.5	*406.7*	416.7	399.6	351.6	265.8
100°	267.0	268.8	265.8	289.5	259.3	296.0	*344.5*	348.7	341.6	306.6	240.3
102.5°	258.7	259.3	264.6	280.6	245.7	272.3	*313.7*	316.1	314.3	281.2	222.0
105°	256.3	255.7	258.7	275.9	239.7	249.2	*288.9*	290.1	284.1	261.7	207.8
107.5°	242.1	243.9	243.3	258.7	235.6	236.8	*262.2*	261.7	260.5	239.7	196.5
110°	277.6	274.7	262.2	262.8	240.3	246.3	*271.7*	268.8	262.8	250.4	214.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	394.8	386.6	372.4	325.6	301.9	318.5	*335.6*	338.6	332.1	320.9	271.1
115°	438.1	436.9	420.9	390.1	312.0	317.9	*329.1*	333.9	341.6	319.7	277.6
117.5°	359.3	378.9	354.0	358.1	313.7	275.9	*274.1*	264.6	268.8	266.4	256.9
120°	453.5	457.0	406.7	397.2	366.4	378.9	*379.5*	380.6	368.2	308.4	271.7
122.5°	637.6	637.6	651.8	677.8	661.8	639.3	*626.3*	613.3	596.1	539.3	461.1
125°	808.6	807.5	799.8	812.8	796.8	805.7	*809.8*	813.4	795.0	725.8	619.2
127.5°	651.8	668.3	696.2	766.6	722.2	709.8	*697.9*	706.2	692.6	679.6	613.3
130°	505.0	506.7	552.3	597.3	593.8	554.1	*540.5*	516.8	522.1	520.3	480.7
132.5°	431.5	433.9	460.6	486.0	507.3	478.3	*451.7*	439.2	443.4	440.4	415.0
135°	377.1	377.1	367.6	364.7	382.4	409.1	*406.1*	390.1	382.4	373.5	335.6
137.5°	326.2	325.0	307.8	298.4	312.6	346.9	*349.3*	349.3	341.6	320.3	293.0
140°	268.8	267.0	258.1	259.9	263.4	286.5	*288.3*	293.6	292.4	275.3	242.1
142.5°	203.6	204.2	217.3	232.1	240.3	290.1	*282.4*	276.5	295.4	294.2	211.3
145°	271.7	265.8	265.8	259.3	278.8	328.0	*312.6*	317.3	342.2	319.1	228.5
147.5°	249.2	252.2	252.8	251.6	276.5	279.4	*268.2*	268.8	277.6	277.6	233.8
150°	193.0	188.2	189.4	191.8	217.8	216.1	*206.0*	205.4	212.5	210.7	191.2
152.5°	152.7	152.1	151.5	153.9	175.2	166.3	*162.2*	160.4	159.2	157.5	152.7
155°	143.8	143.3	142.1	145.0	157.5	153.3	*151.0*	151.0	148.0	145.0	142.1
157.5°	127.9	127.3	127.9	133.8	140.9	136.2	*135.6*	135.0	133.8	130.2	129.1
160°	119.6	119.0	120.2	124.9	127.9	123.7	*122.5*	123.1	122.5	120.8	123.1
162.5°	113.1	113.1	113.1	116.0	117.2	114.3	*113.7*	114.3	114.8	114.8	117.8
165°	109.5	109.5	110.1	111.9	111.9	110.7	*109.5*	109.5	112.5	113.7	116.0
167.5°	111.9	111.9	112.5	113.1	113.1	111.9	*111.9*	112.5	114.3	115.4	115.4
170°	115.4	115.4	115.4	116.0	115.4	113.7	*113.7*	113.7	114.3	114.3	114.8
172.5°	119.6	119.6	119.6	119.0	117.8	117.2	*116.0*	116.0	116.6	116.0	116.6
175°	125.5	124.9	124.9	124.3	123.7	123.1	*122.5*	121.9	121.9	120.2	120.2
177.5°	128.5	127.9	128.5	128.5	127.9	126.7	*125.5*	125.5	124.9	123.7	123.1
180°	123.7	123.7	123.7	123.7	123.7	123.7	*123.7*	123.7	123.7	123.7	123.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
2.5°	49.7	47.9	43.2	39.1	36.1	34.9	34.9	33.2	30.8	29.0	28.4
5°	65.7	64.5	62.7	60.4	55.1	47.9	42.0	39.7	38.5	37.9	37.3
7.5°	92.9	94.1	96.5	95.9	85.8	66.9	55.6	55.1	61.6	68.7	71.0
10°	120.2	119.0	126.7	133.2	108.3	75.8	57.4	55.6	64.5	77.0	78.7
12.5°	143.8	137.9	133.8	126.7	103.6	75.8	61.6	58.0	62.2	71.6	71.6
15°	161.6	153.9	136.7	120.2	99.5	78.1	63.9	61.6	61.6	58.6	59.2
17.5°	175.2	161.0	136.2	114.8	92.3	74.6	63.3	56.8	53.3	48.5	47.4
20°	191.2	181.1	148.0	118.4	91.2	72.2	61.6	53.9	49.7	47.9	47.4
22.5°	208.4	187.7	155.7	119.6	91.2	73.4	61.0	52.7	49.1	47.9	47.9
25°	210.2	192.4	159.8	124.3	94.1	75.8	62.2	53.3	49.7	48.5	47.9
27.5°	207.8	195.4	166.9	129.6	97.1	78.1	64.5	54.5	49.7	47.9	47.4
30°	216.7	206.6	175.2	133.2	100.0	81.1	66.9	56.8	50.9	47.4	46.8
32.5°	239.2	225.0	186.5	135.6	101.2	81.7	69.3	59.2	52.1	47.9	47.4
35°	298.4	285.3	229.7	143.8	101.2	82.9	71.0	61.0	53.3	48.5	47.9
37.5°	384.2	359.9	282.4	171.7	102.4	85.2	72.8	63.3	55.1	49.7	48.5
40°	407.3	343.9	239.7	153.9	104.8	87.6	75.8	65.7	57.4	51.5	50.9
42.5°	528.6	439.8	296.0	162.8	111.9	89.4	77.5	68.1	59.2	53.3	52.1
45°	565.9	440.4	300.7	188.2	131.4	97.1	80.5	69.9	60.4	54.5	53.9
47.5°	741.7	546.4	306.6	201.9	147.4	111.9	87.6	72.2	61.6	55.6	55.1
50°	1087.5	770.8	380.6	252.2	182.3	136.7	103.0	77.0	62.7	57.4	56.2
52.5°	1356.8	924.7	412.6	308.4	242.1	180.6	129.6	89.4	66.3	58.6	57.4
55°	1654.0	1136.0	468.8	371.8	293.6	226.1	164.6	107.7	73.4	60.4	59.2
57.5°	2063.0	1356.2	550.5	438.7	356.4	264.0	187.7	126.1	82.9	64.5	62.2
60°	2311.7	1449.7	563.6	474.8	393.7	294.2	197.7	133.8	92.9	70.4	66.9
62.5°	2549.6	1514.3	567.1	489.0	402.5	300.1	198.9	130.2	96.5	78.7	74.0
65°	*2598.2*	*1450.3*	*568.3*	*491.9*	*391.9*	*284.7*	*192.4*	*126.7*	*92.3*	*85.8*	*86.4*
67.5°	2434.2	1288.1	526.9	470.6	363.5	254.0	172.9	121.4	91.2	84.7	86.4
70°	1913.9	1009.3	481.3	436.3	308.4	216.1	153.9	114.3	91.2	81.7	79.9
72.5°	1485.9	862.5	493.1	414.4	264.0	193.0	139.1	106.6	88.2	81.1	79.9
75°	1153.2	719.8	486.0	364.7	215.5	165.8	124.9	97.7	84.1	79.9	79.3
77.5°	843.0	567.7	402.0	279.4	178.8	140.9	110.1	91.8	81.7	78.1	77.5
80°	542.2	397.2	280.0	223.2	156.9	128.5	103.0	87.6	80.5	78.1	77.5
82.5°	457.0	360.5	252.2	211.3	151.5	130.8	107.7	91.8	84.7	82.3	81.7
85°	439.8	371.2	259.3	220.2	145.0	124.9	105.4	91.8	85.2	82.3	81.7
87.5°	417.9	335.6	255.7	202.5	139.7	120.2	103.6	94.1	87.6	85.8	85.2
90°	378.3	296.0	234.4	188.2	147.4	127.9	114.3	104.2	97.7	93.5	92.3
92.5°	319.1	238.0	201.3	185.9	161.6	145.0	131.4	122.5	115.4	111.3	109.5
95°	268.8	207.8	175.2	164.6	142.7	130.2	117.2	110.7	105.4	101.8	101.8
97.5°	219.0	178.2	162.8	154.5	136.7	123.1	112.5	106.0	104.2	103.0	102.4
100°	206.0	174.6	164.0	156.9	142.7	130.2	121.9	116.0	115.4	114.8	114.8
102.5°	191.2	165.2	153.3	146.2	132.0	121.4	115.4	110.7	108.9	107.1	105.4
105°	180.6	156.3	147.4	137.9	126.7	116.0	110.1	103.0	101.8	101.2	101.2
107.5°	175.2	155.1	150.4	135.6	124.9	120.2	113.1	104.2	102.4	100.0	100.0
110°	193.6	172.3	158.6	140.3	129.1	124.9	123.1	115.4	109.5	102.4	101.8

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

Scaled Data Report

REPORT NUMBER: P1046564
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	239.7	210.7	194.8	167.5	144.4	134.4	126.7	118.4	114.8	110.1	108.3
115°	258.1	228.5	208.4	181.1	154.5	136.7	125.5	124.3	120.8	117.8	120.8
117.5°	264.6	207.8	171.7	165.2	145.0	130.8	125.5	123.7	124.9	124.9	119.6
120°	285.3	224.4	210.7	202.5	164.6	141.5	129.6	135.6	134.4	127.3	127.3
122.5°	425.6	380.0	335.1	279.4	232.1	204.8	164.6	137.9	132.6	127.9	124.9
125°	560.6	519.8	449.3	375.3	293.6	217.3	163.4	144.4	134.4	128.5	129.6
127.5°	571.3	528.0	447.5	357.0	262.2	203.0	164.6	148.0	136.7	130.2	129.1
130°	446.3	415.6	355.2	288.9	222.6	181.7	152.1	135.6	125.5	119.6	118.4
132.5°	394.8	368.8	306.1	248.0	203.0	168.7	143.3	124.9	117.8	113.7	113.1
135°	315.5	293.6	251.6	220.2	188.8	160.4	135.0	117.8	111.3	110.7	109.5
137.5°	276.5	258.7	226.1	200.1	174.0	146.8	125.5	111.3	108.3	108.9	107.1
140°	225.5	217.8	199.5	177.0	149.2	120.8	106.0	101.2	106.0	108.3	108.3
142.5°	193.6	183.5	162.8	136.7	119.0	106.0	104.2	102.4	104.8	106.0	106.0
145°	178.2	166.3	149.2	139.7	131.4	120.2	110.7	102.4	100.0	100.6	100.6
147.5°	201.3	187.7	176.4	158.6	138.5	119.6	105.4	95.9	95.9	98.3	98.9
150°	166.9	155.1	147.4	137.3	121.9	106.6	96.5	91.8	93.5	98.3	98.9
152.5°	139.7	125.5	120.8	114.8	106.6	98.3	93.5	91.2	94.1	97.7	97.7
155°	136.2	123.7	117.8	111.9	104.2	97.1	92.9	91.8	94.7	97.1	97.7
157.5°	127.9	120.8	113.1	108.3	102.4	97.1	94.1	92.9	95.3	97.1	97.7
160°	123.1	119.0	110.1	106.0	100.6	97.1	96.5	96.5	97.7	98.3	98.3
162.5°	117.8	115.4	110.1	106.6	103.0	101.2	102.4	103.0	103.0	102.4	102.4
165°	116.0	114.8	110.1	107.1	105.4	106.0	108.3	108.9	107.1	106.0	106.0
167.5°	115.4	115.4	111.9	109.5	108.9	110.1	112.5	112.5	110.7	108.3	107.7
170°	115.4	116.0	114.8	114.8	113.7	114.3	114.8	114.8	113.7	112.5	111.9
172.5°	117.2	117.2	117.2	117.2	116.6	117.2	117.8	117.8	117.8	117.2	117.2
175°	120.2	120.2	120.2	119.6	119.0	119.0	119.6	120.2	120.8	120.8	120.8
177.5°	123.1	122.5	121.9	122.5	121.9	121.9	123.1	123.7	124.3	124.3	124.3
180°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

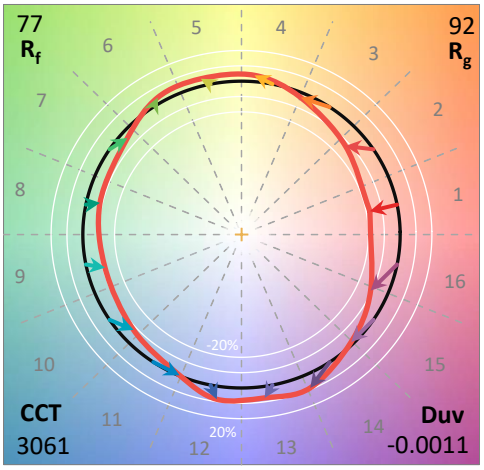
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

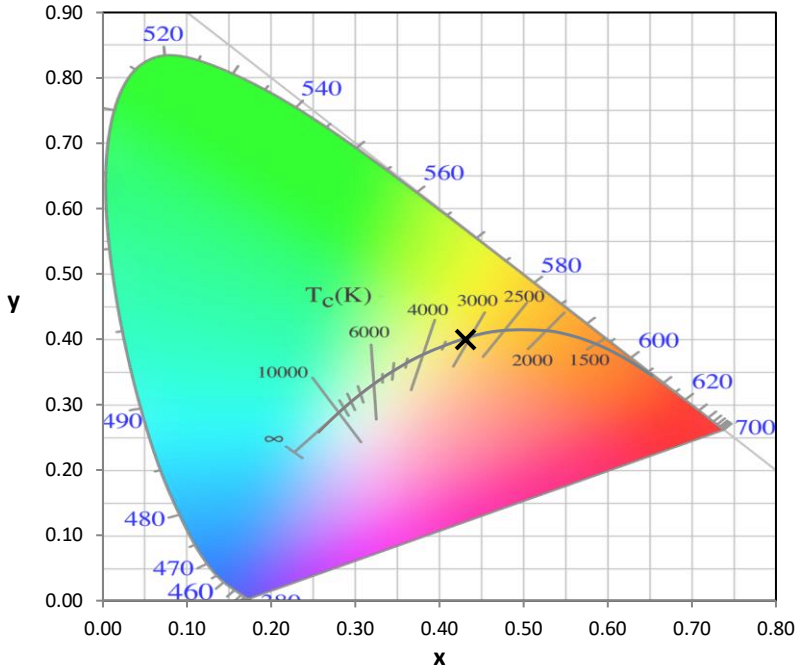
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

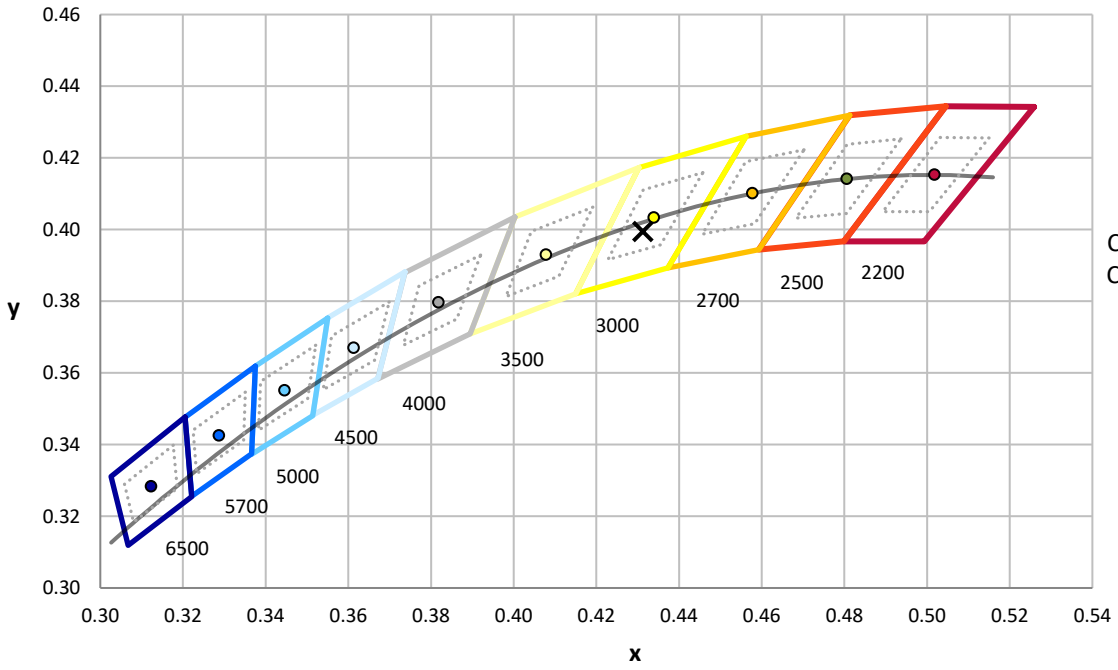
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

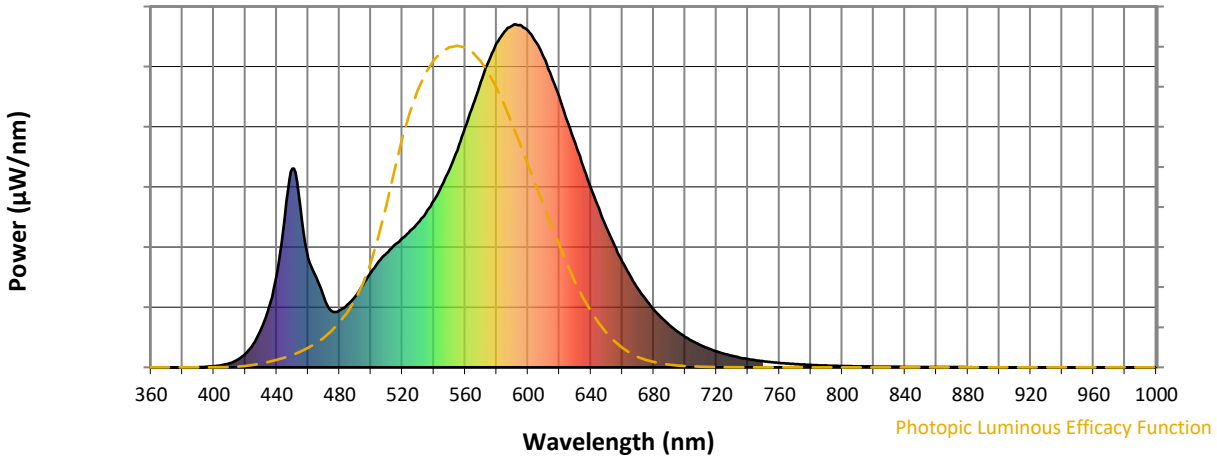


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

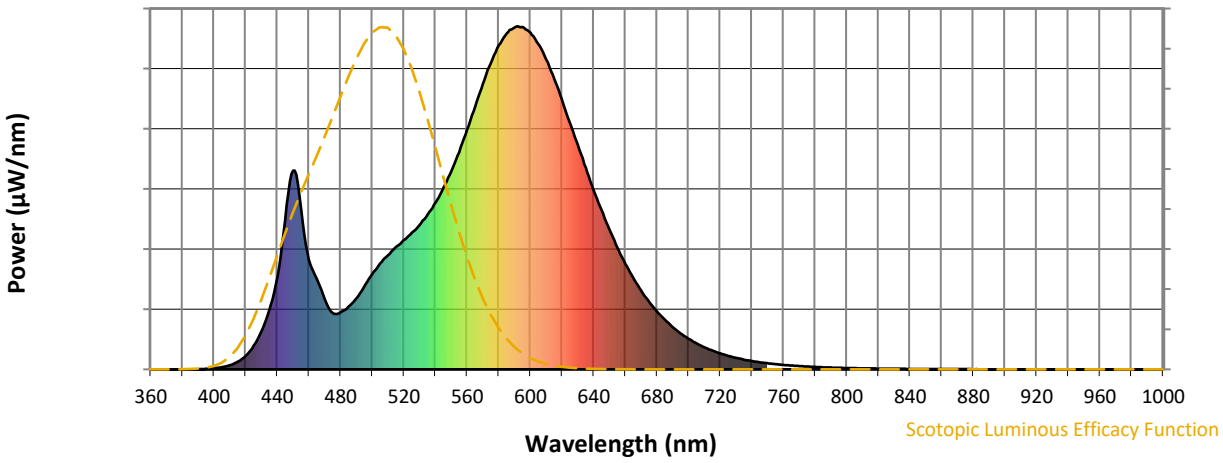


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

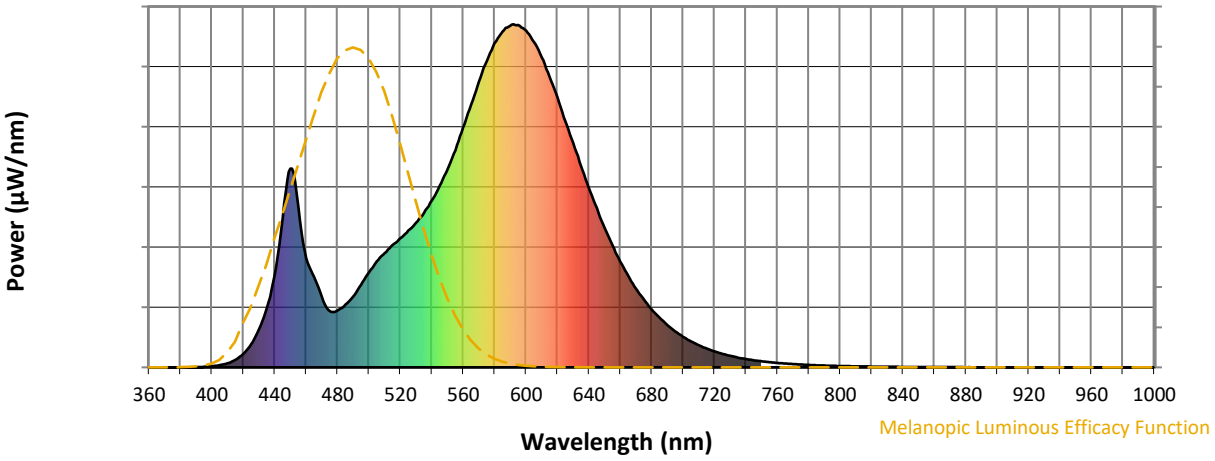


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

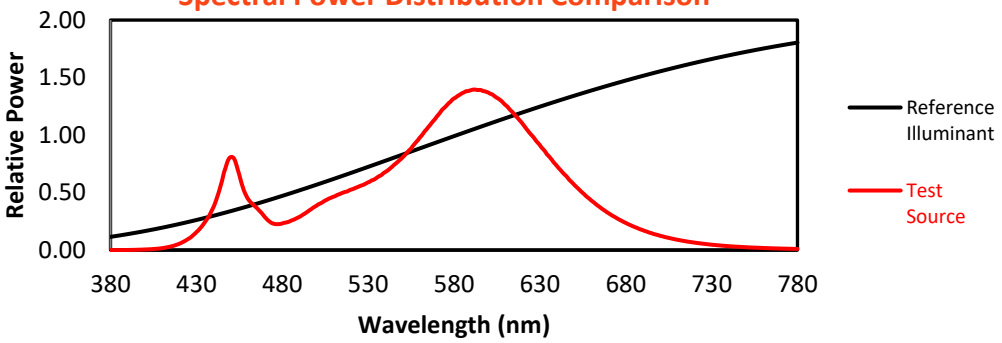
REPORT NUMBER: SP1-2501-332-4

TM-30-18

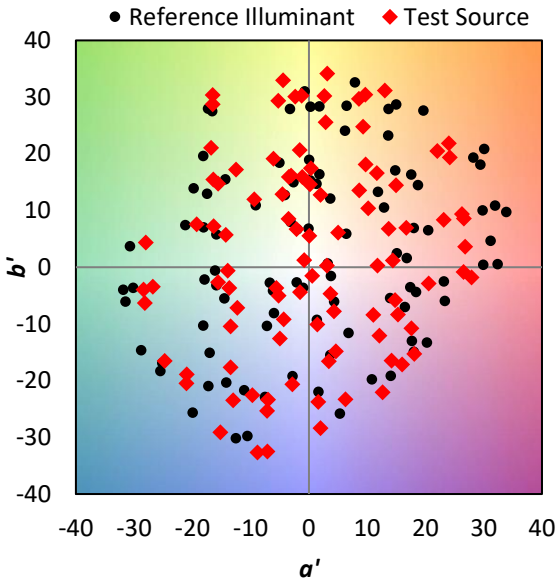
Summary

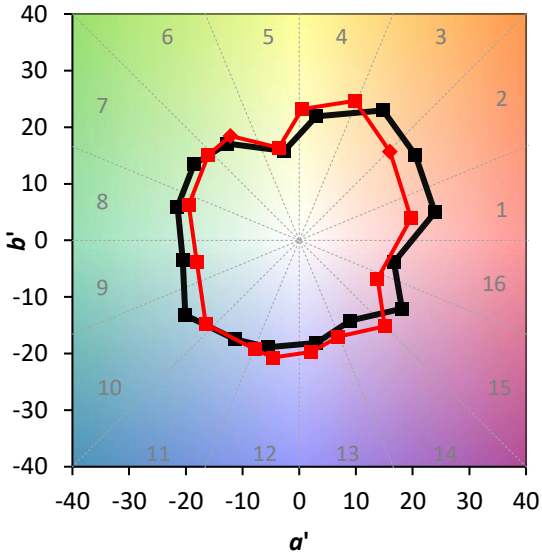
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

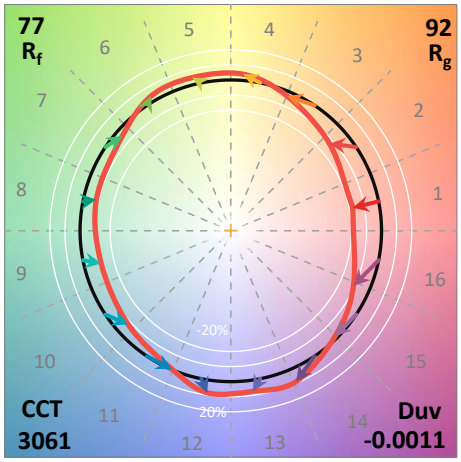
Spectral Power Distribution Comparison

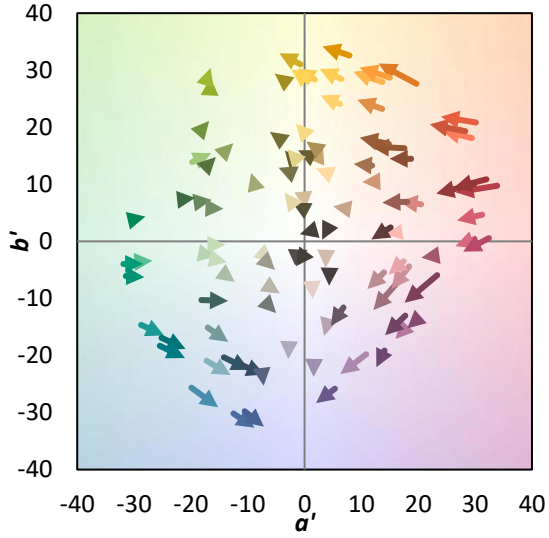


Color Vector Graphics







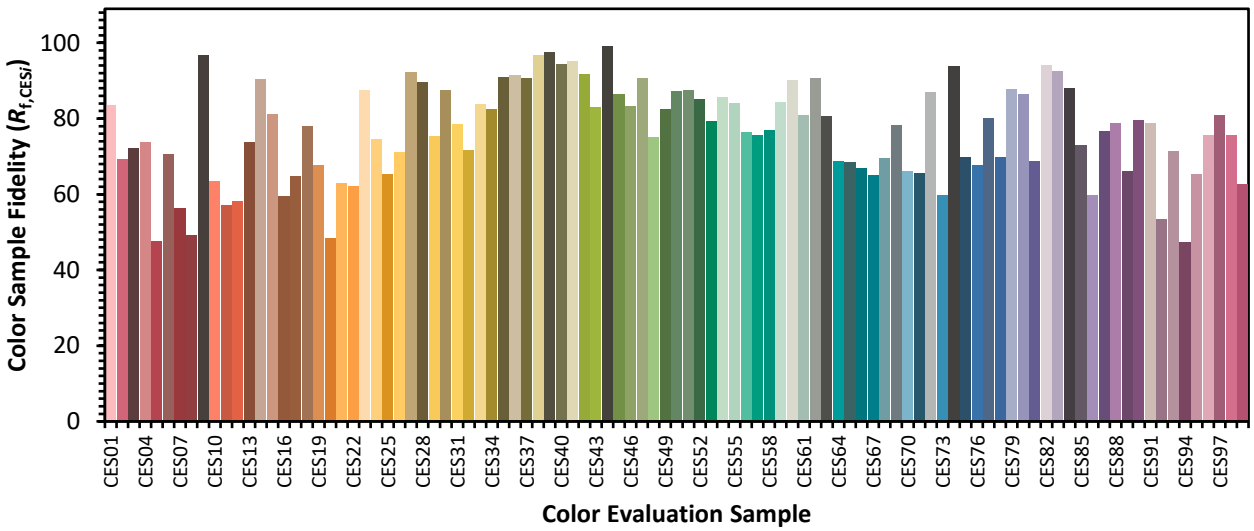


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

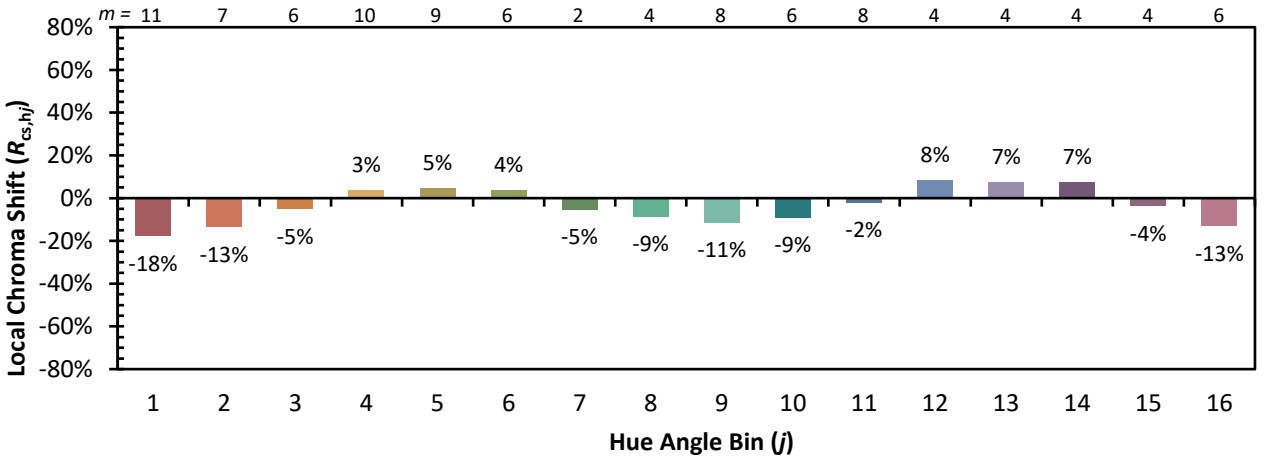
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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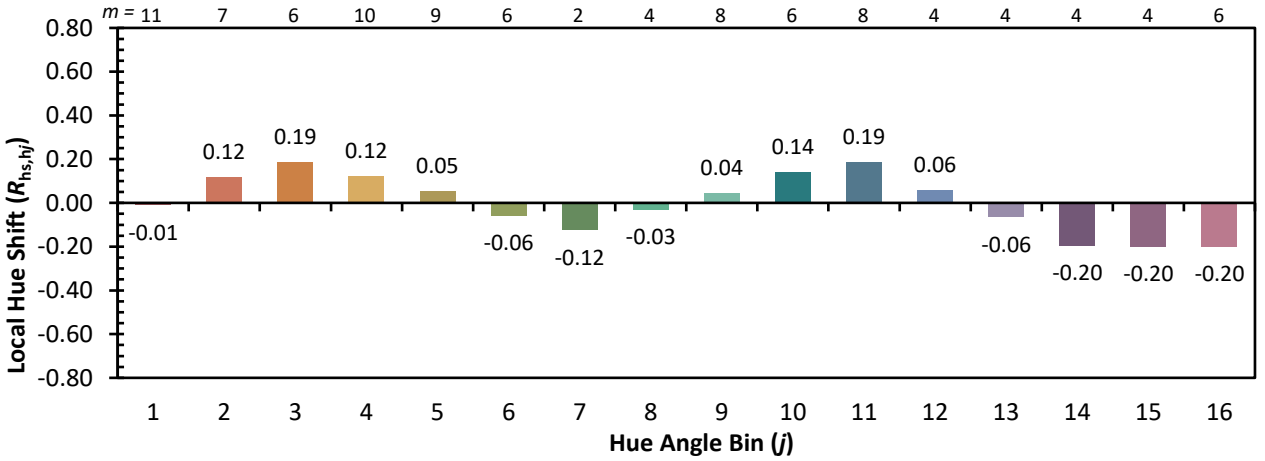


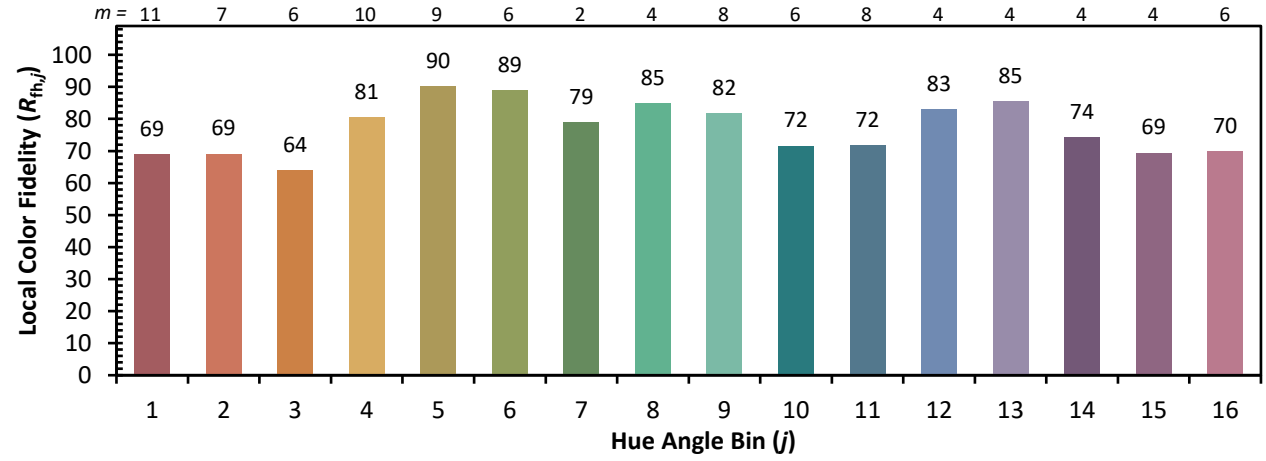
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Color Rendition by Hue-Angle Bin



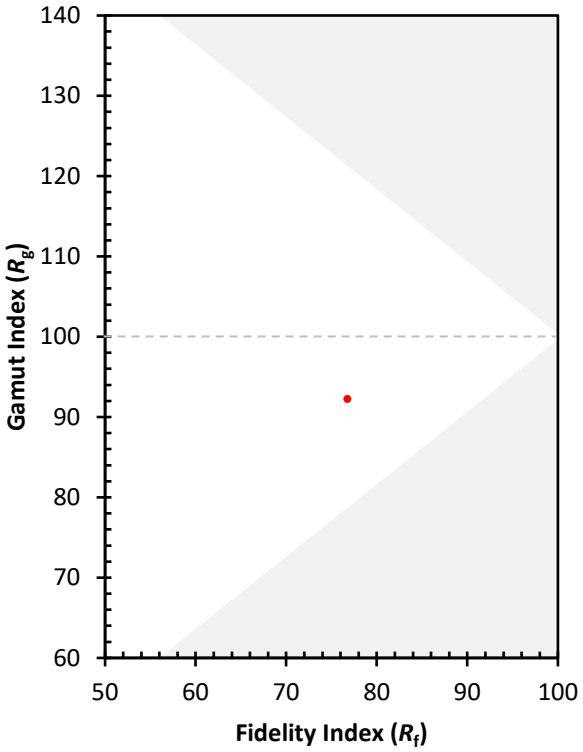


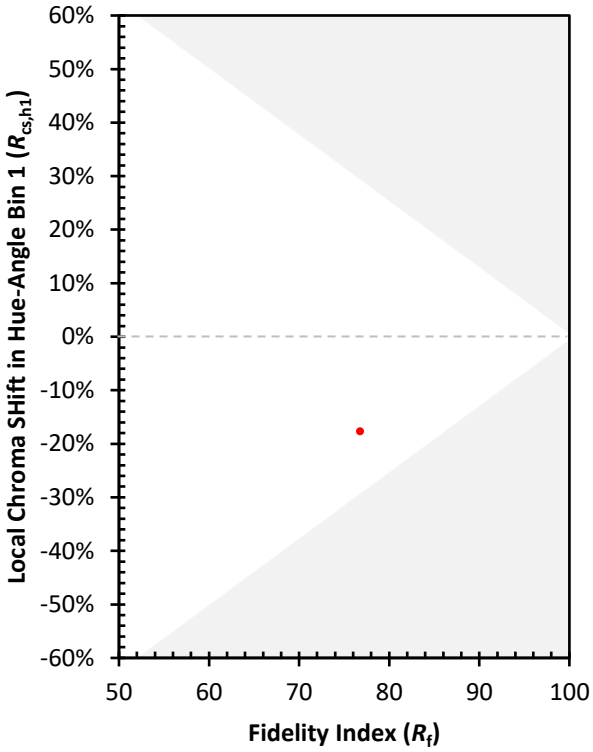


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Measure Comparisons





(END OF REPORT)