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: P1046609

Luminaire Tested: **FFX-CLB-60-730-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:	P1046609
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8385.6 lumens
Efficiency:	N/A
Efficacy:	138.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - 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

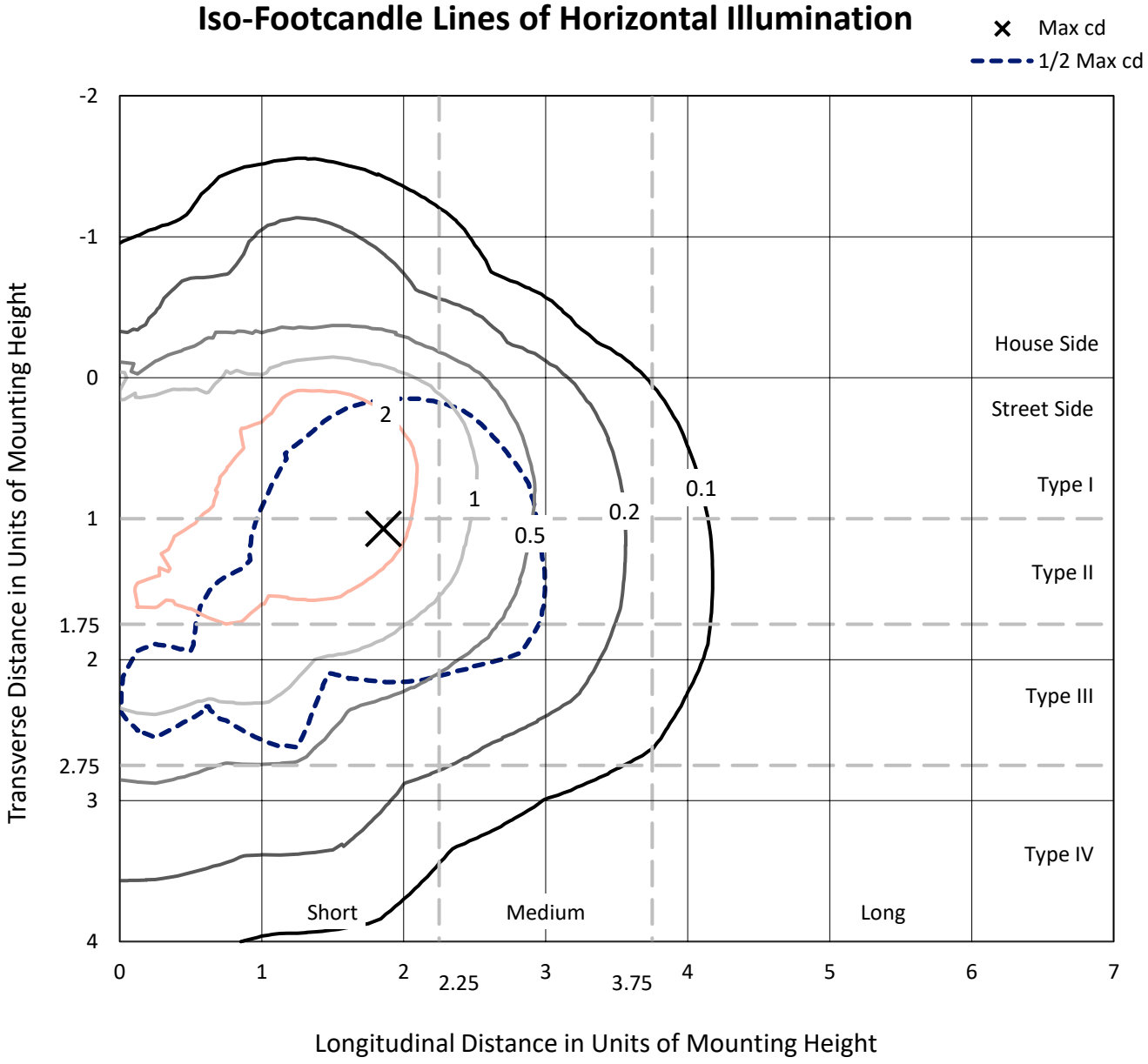


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Iso-Footcandle Lines of Horizontal Illumination



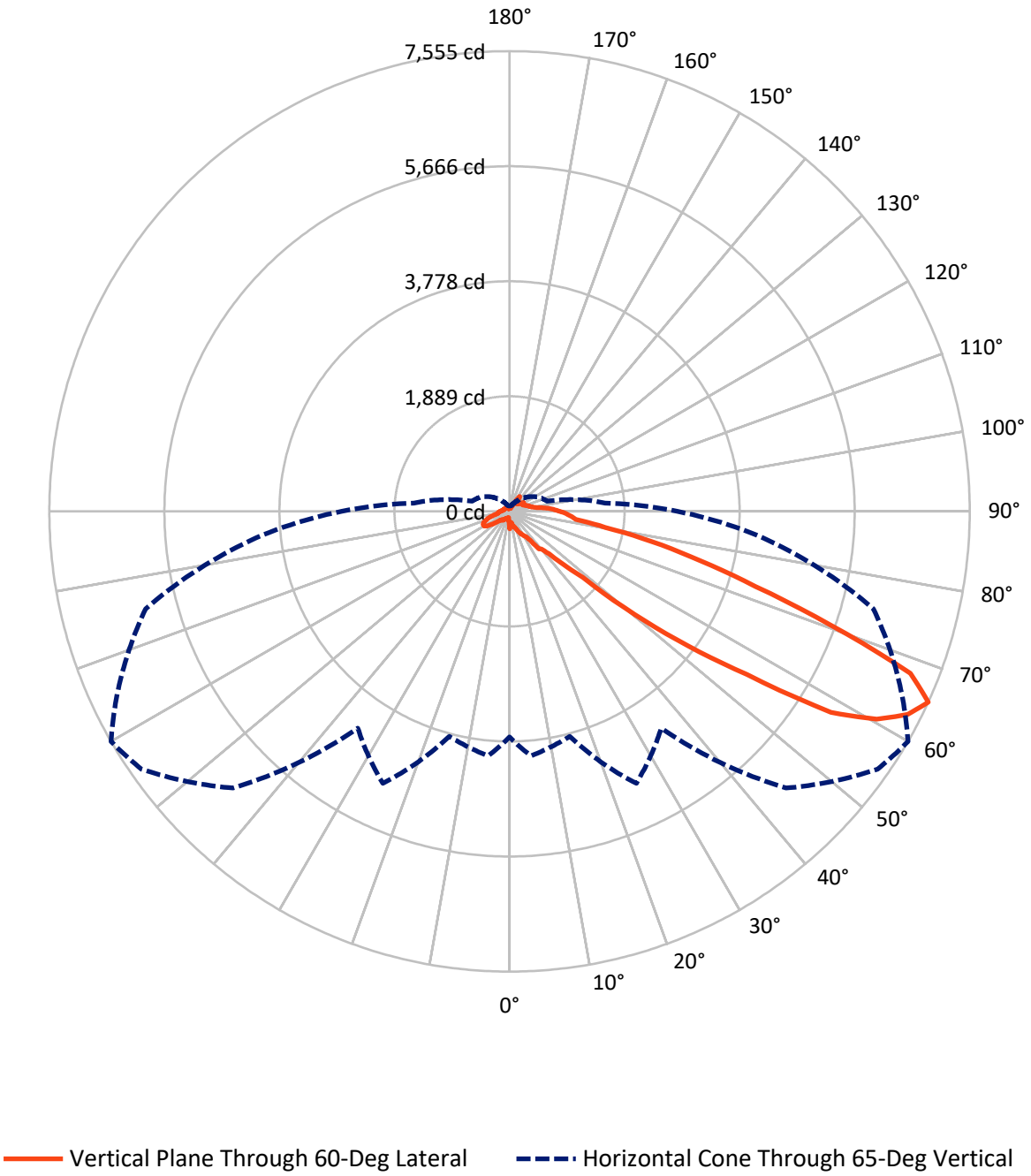
Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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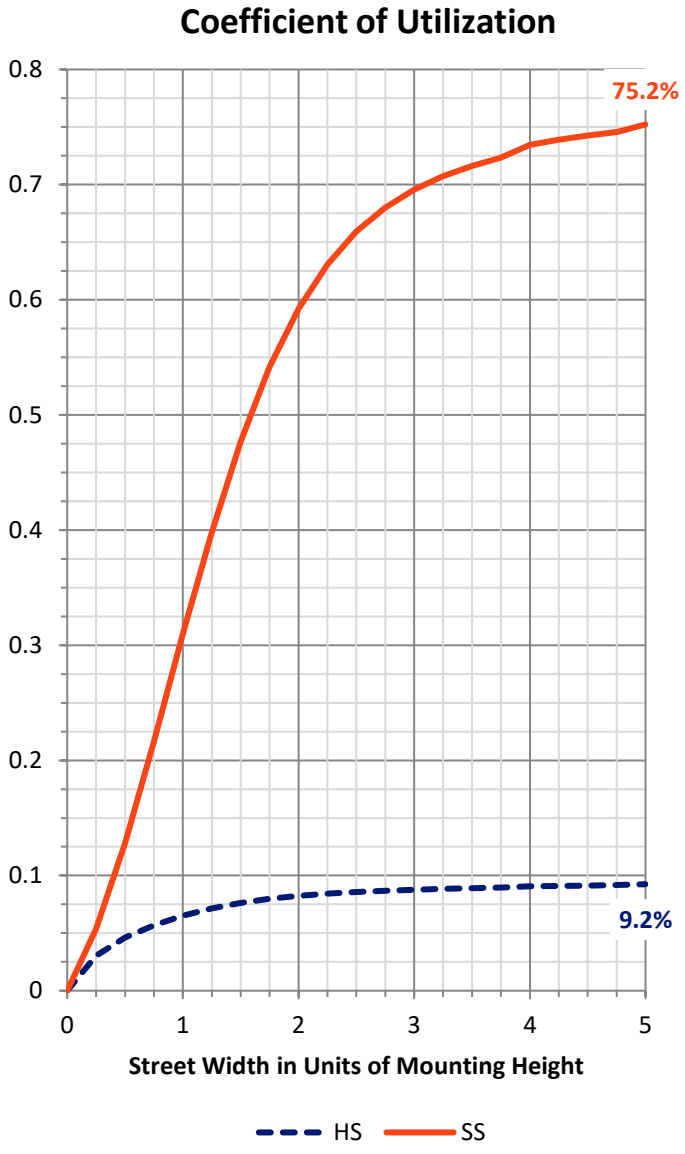
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.1	262.4	1075.5
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	6534.5	775.7	7310.1
	% Fixture	77.9	9.2	87.2
Total	Lumens	7347.6	1038.1	8385.6
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	53.7	0.6
20°-30°	114.8	1.4
30°-40°	235.5	2.8
40°-50°	551.8	6.6
50°-60°	1726.1	20.6
60°-70°	2702.7	32.2
70°-80°	1429.8	17.1
80°-90°	517.7	6.2
90°-100°	312.2	3.7
100°-110°	195.6	2.3
110°-120°	158.0	1.9
120°-130°	131.9	1.6
130°-140°	96.0	1.1
140°-150°	88.3	1.1
150°-160°	36.7	0.4
160°-170°	14.7	0.2
170°-180°	4.7	0.1
0°-90°	7347.6	87.6
0°-180°	8385.6	100.0



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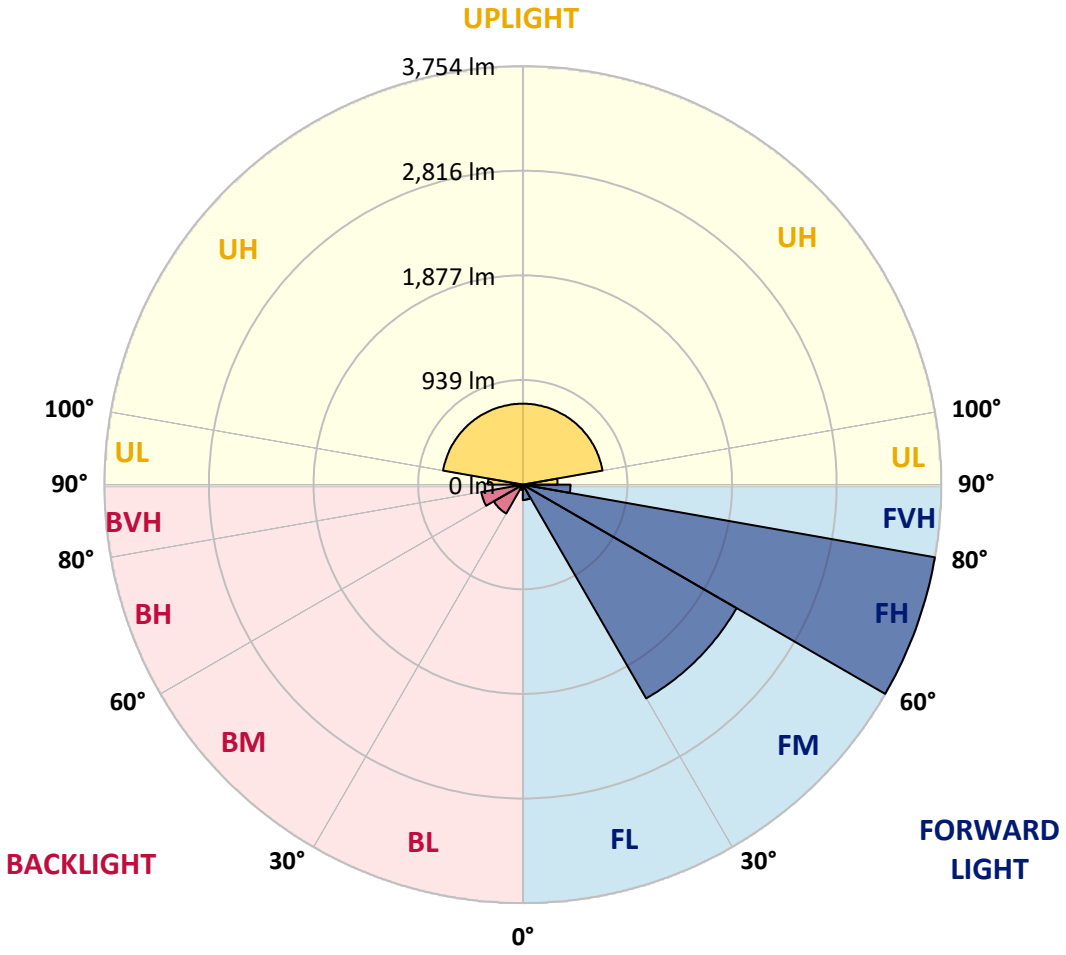
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	138.2	1.6			
FM	(30°-60°)	2214.4	26.4			
FH	(60°-80°)	3754.1	44.8			G2/5000
FVH	(80°-90°)	427.8	5.1			G3/500
BL	(0°-30°)	45.6	0.5	B0/110		
BM	(30°-60°)	299.0	3.6	B1/1000		
BH	(60°-80°)	378.5	4.5	B1/500		G1/500
BVH	(80°-90°)	89.9	1.1			G1/100
UL	(90°-100°)	312.2	3.7		U3/500	
UH	(100°-180°)	725.9	8.7		U4/1000	

BUG Rating: B1-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	157.0	163.1	198.7	235.5	245.9	223.2	193.2	196.9	213.4	292.5	327.5
5°	184.0	185.8	182.8	187.1	212.8	245.3	226.3	204.2	174.8	126.3	125.1
7.5°	211.6	211.6	210.4	195.0	177.2	171.7	188.3	191.4	188.3	157.0	135.5
10°	230.6	230.6	230.0	231.2	232.4	226.3	199.3	188.9	177.9	164.4	158.2
12.5°	279.7	280.9	288.9	284.6	268.6	252.1	255.1	252.1	235.5	206.7	182.8
15°	342.2	344.7	345.9	330.0	304.2	273.5	253.9	249.0	245.9	229.4	205.5
17.5°	374.7	373.5	358.8	342.2	325.7	303.6	285.2	277.8	266.8	245.9	220.2
20°	371.1	371.1	356.3	352.7	353.9	340.4	317.1	307.9	295.6	276.0	240.4
22.5°	381.5	382.1	372.9	376.0	389.4	376.0	353.3	347.1	335.5	307.3	271.1
25°	421.3	421.3	410.9	406.6	418.3	413.4	400.5	393.1	376.6	342.2	278.4
27.5°	457.5	455.1	445.3	446.5	435.4	433.0	429.9	426.9	412.1	357.6	282.1
30°	485.7	485.7	477.2	482.7	459.4	463.0	452.0	460.6	441.6	378.4	296.2
32.5°	511.5	515.2	512.1	519.5	491.9	507.8	488.8	498.0	486.4	415.8	336.1
35°	571.0	575.3	589.4	607.8	574.1	590.6	560.6	573.4	561.8	500.5	412.8
37.5°	807.1	800.4	769.7	739.6	707.1	775.2	767.9	780.1	761.7	663.0	521.3
40°	812.0	808.3	802.2	783.2	721.9	789.3	792.4	814.5	869.7	711.4	563.6
42.5°	832.9	837.2	910.1	919.3	873.3	978.2	949.4	950.6	1139.5	842.7	727.4
45°	963.5	963.5	986.8	998.5	985.0	1286.1	1281.8	1245.0	1483.0	1051.2	855.6
47.5°	1104.6	1108.9	1151.8	1267.1	1342.5	1627.7	1712.4	1624.0	1936.2	1379.3	1178.8
50°	1517.3	1525.9	1659.6	1760.8	1902.5	2382.7	2799.1	2664.8	3154.8	2104.3	1776.1
52.5°	1816.0	1922.7	1996.3	2377.2	2432.4	3170.2	3707.4	3661.4	3990.2	2912.6	2155.8
55°	2161.3	2327.5	2376.6	2967.2	3065.9	4090.8	4648.3	4729.8	4750.1	3765.1	2534.2
57.5°	2729.8	2987.4	2996.6	3621.0	3638.1	5156.7	6044.1	6223.8	6019.0	4757.4	3130.9
60°	3198.4	3500.1	3398.9	4249.0	4078.5	6019.0	6723.1	6926.7	6546.4	5605.6	3548.0
62.5°	3488.5	3779.8	3646.7	4690.6	4343.4	6388.8	7128.5	7337.6	6919.3	6056.4	3868.7
65°	3705.0	4028.2	3823.4	4926.1	4342.8	6421.9	7378.7	7555.3	7107.6	6185.8	3963.2
67.5°	3709.3	3999.4	3743.6	4842.1	4054.0	5897.6	6988.0	7099.6	6602.9	5726.4	3682.3
70°	3242.6	3451.1	3167.1	4086.5	3270.2	4475.9	5457.2	5589.7	5089.8	4402.3	2853.1
72.5°	2713.3	2794.8	2513.3	3268.3	2561.2	3387.3	4171.7	4221.4	3957.1	3297.7	2205.5
75°	2130.6	2099.3	1953.4	2436.7	1947.2	2399.9	3276.3	3228.4	3083.1	2426.9	1682.9
77.5°	1421.6	1363.4	1370.7	1671.9	1360.3	1587.9	2385.8	2387.6	2336.7	1799.4	1200.2
80°	867.2	869.1	845.1	1060.4	897.9	1055.5	1644.3	1590.3	1591.5	1186.7	840.2
82.5°	678.3	689.4	659.3	764.2	707.1	839.6	1074.5	1104.6	1072.1	871.5	618.8
85°	666.1	675.9	644.6	709.6	672.2	802.2	1010.7	1008.3	991.1	808.3	585.1
87.5°	610.2	621.9	598.6	644.0	615.1	742.7	930.4	918.1	901.6	760.5	558.1
90°	515.2	536.6	520.7	577.1	537.3	639.1	809.0	804.0	795.5	672.2	496.8
92.5°	468.6	472.9	461.2	512.1	468.0	559.9	718.2	702.8	683.8	583.3	423.2
95°	419.5	417.7	406.6	447.7	408.5	468.6	610.2	586.9	577.1	492.5	353.3
97.5°	336.1	336.7	331.2	359.4	331.2	374.1	458.1	449.6	429.9	368.0	270.5
100°	294.4	296.2	292.5	314.6	290.7	318.3	381.5	379.6	363.7	314.0	236.1
102.5°	278.4	279.1	284.0	297.5	274.8	295.0	347.7	348.4	337.9	292.5	222.0
105°	267.4	266.8	270.5	281.5	261.9	276.6	325.1	325.1	310.3	276.0	210.4
107.5°	258.8	257.6	263.7	272.9	259.4	263.7	301.1	303.6	289.5	257.0	199.9
110°	249.0	248.4	258.8	265.6	252.7	253.3	285.8	284.0	271.1	250.2	196.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	252.7	256.4	268.0	249.0	230.0	231.2	256.4	*259.4*	250.2	228.8	187.1
115°	249.6	253.3	268.6	241.6	213.4	220.8	241.6	*244.1*	230.6	212.8	176.0
117.5°	238.6	239.8	249.0	242.3	212.8	221.4	231.8	*236.1*	226.3	212.8	177.9
120°	282.1	272.9	272.9	262.5	229.4	244.7	264.3	*268.0*	258.8	233.7	177.2
122.5°	259.4	256.4	257.0	243.5	226.9	239.8	263.1	*269.2*	261.3	236.1	177.2
125°	204.2	204.8	201.8	206.1	199.3	203.6	215.9	*225.7*	218.3	204.8	168.7
127.5°	185.8	185.2	181.5	199.9	179.1	187.7	199.3	*204.8*	197.5	182.2	152.7
130°	180.9	180.9	191.4	210.4	198.1	194.4	190.1	*195.6*	194.4	184.6	152.7
132.5°	169.3	169.9	185.2	209.8	204.8	187.7	172.3	*175.4*	180.9	183.4	161.3
135°	169.3	167.4	162.5	168.0	165.0	169.3	165.0	*169.3*	170.5	169.3	141.1
137.5°	180.3	179.1	166.8	159.5	160.1	173.6	174.2	*176.0*	174.2	164.4	136.8
140°	176.6	172.3	163.8	160.7	161.3	175.4	180.9	*182.2*	180.3	161.3	128.8
142.5°	170.5	170.5	173.0	176.6	182.2	247.8	230.6	*246.5*	247.2	227.5	132.5
145°	244.7	247.2	239.8	231.8	251.5	298.1	280.3	*297.5*	309.1	287.6	182.8
147.5°	220.8	224.5	220.2	213.4	239.2	239.8	228.8	*230.6*	233.7	238.6	184.6
150°	156.4	152.1	158.8	153.9	179.7	178.5	163.1	*166.8*	173.6	174.2	147.2
152.5°	115.9	114.1	112.8	112.2	129.4	119.0	113.5	*111.6*	112.8	112.2	105.5
155°	102.4	102.4	101.8	104.9	114.1	106.7	101.2	*101.8*	98.7	96.9	93.2
157.5°	79.7	77.9	79.7	85.2	88.9	82.2	80.3	*79.1*	78.5	75.4	76.7
160°	65.6	65.6	66.9	71.1	73.6	68.7	65.0	*63.8*	63.8	62.6	66.9
162.5°	55.8	55.8	57.0	58.3	59.5	57.0	55.8	*55.8*	55.2	55.2	59.5
165°	46.6	46.6	47.2	49.7	50.3	49.1	48.5	*49.1*	49.1	51.5	55.2
167.5°	42.9	42.9	43.5	44.8	45.4	44.8	46.6	*48.5*	50.3	52.7	54.0
170°	41.1	41.1	41.7	42.3	43.5	44.8	48.5	*49.7*	50.3	49.7	49.7
172.5°	42.3	42.3	42.3	43.5	44.8	47.8	50.9	*50.9*	49.7	48.5	48.5
175°	42.9	42.3	42.9	44.2	46.0	47.8	49.1	*50.3*	50.3	49.7	49.7
177.5°	42.3	42.3	42.9	43.5	43.5	43.5	44.2	*44.8*	44.8	45.4	46.0
180°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	*41.7*	41.7	41.7	41.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	320.8	303.0	224.5	149.0	182.8	266.8	310.9	291.3	217.1	125.1	106.1
5°	131.2	147.2	171.7	164.4	147.8	121.4	91.4	90.8	125.7	152.7	155.2
7.5°	126.3	115.9	109.8	121.4	113.5	78.5	66.2	55.2	58.9	86.5	82.8
10°	155.8	152.1	141.7	115.9	85.2	70.5	66.2	67.5	72.4	65.0	64.4
12.5°	173.6	164.4	141.7	134.3	114.1	81.0	66.9	61.9	66.2	82.8	89.5
15°	190.1	176.6	148.4	124.5	102.4	84.0	71.8	62.6	55.8	48.5	47.8
17.5°	204.8	187.7	156.4	129.4	101.8	84.0	69.3	54.6	47.2	44.8	44.8
20°	222.6	206.7	166.8	134.9	102.4	82.2	66.9	54.0	47.2	44.8	44.8
22.5°	246.5	220.2	177.9	137.4	103.6	81.6	65.6	55.2	49.1	45.4	45.4
25°	253.3	233.1	185.2	145.4	108.6	84.6	68.7	57.0	50.3	47.2	46.6
27.5°	258.2	242.9	199.3	152.1	114.1	90.8	73.6	59.5	51.5	48.5	47.8
30°	277.2	263.7	214.7	161.9	121.4	96.9	77.9	63.2	54.0	49.1	47.8
32.5°	317.7	298.7	237.3	171.7	130.6	103.6	83.4	66.9	56.4	50.3	49.1
35°	395.0	379.6	297.5	192.0	140.4	112.2	90.2	71.8	59.5	52.1	51.5
37.5°	484.5	460.6	361.2	223.2	147.2	119.6	96.9	76.7	62.6	55.2	54.0
40°	499.8	431.8	320.1	203.6	148.4	123.3	103.0	82.2	66.2	57.7	55.8
42.5°	626.8	529.9	371.1	210.4	151.5	123.3	104.3	85.9	69.9	59.5	58.3
45°	663.0	528.1	369.2	234.9	166.2	127.0	104.9	87.7	73.0	62.6	60.7
47.5°	845.1	647.7	374.7	249.6	181.5	139.8	109.2	88.9	73.6	64.4	63.8
50°	1208.2	866.0	450.8	301.1	217.7	163.1	122.7	93.2	74.8	66.2	65.6
52.5°	1492.2	1028.5	483.9	360.6	277.2	207.3	146.6	104.3	77.3	66.9	65.6
55°	1773.7	1226.6	545.2	425.6	330.0	249.6	182.2	122.0	83.4	68.1	66.9
57.5°	2203.0	1472.5	621.3	489.4	391.3	289.5	203.6	138.0	90.8	69.3	67.5
60°	2463.7	1559.6	629.3	521.9	426.2	317.7	211.0	144.1	100.0	74.2	71.1
62.5°	2697.9	1638.1	634.8	536.6	432.4	320.8	211.6	139.2	101.8	81.6	77.9
65°	*2758.7*	*1574.4*	*640.3*	*541.5*	*421.3*	*303.0*	*203.6*	*134.3*	*96.9*	*88.3*	*87.7*
67.5°	2621.3	1411.8	602.3	523.2	391.9	272.3	183.4	127.6	94.4	85.9	87.7
70°	2042.3	1121.1	552.0	482.1	338.5	230.0	163.1	119.0	93.2	81.6	79.7
72.5°	1609.3	953.7	557.5	459.4	285.8	203.6	144.1	108.6	88.3	79.7	78.5
75°	1253.6	799.1	536.6	395.6	231.8	173.6	126.3	96.9	82.2	76.7	76.1
77.5°	919.3	634.2	442.8	304.8	191.4	144.7	110.4	88.9	77.9	73.0	72.4
80°	602.9	448.3	308.5	243.5	165.0	130.6	100.6	83.4	74.8	70.5	69.9
82.5°	512.7	398.0	274.1	223.9	152.7	125.7	98.7	81.6	74.2	69.3	68.7
85°	494.3	407.8	280.3	231.8	145.4	120.2	95.7	80.3	72.4	68.1	67.5
87.5°	464.3	369.2	271.1	207.9	134.3	109.8	89.5	77.3	69.3	65.6	64.4
90°	413.4	315.9	233.1	178.5	127.6	103.0	84.6	73.6	67.5	63.8	62.6
92.5°	333.6	239.8	183.4	157.6	124.5	102.4	84.0	73.6	67.5	63.8	62.6
95°	280.3	205.5	164.4	144.1	115.9	96.9	80.3	71.1	65.6	61.9	61.9
97.5°	222.0	171.7	146.6	129.4	104.3	88.3	76.1	68.1	63.2	59.5	59.5
100°	196.9	159.5	139.2	121.4	98.7	83.4	74.2	66.2	61.9	57.7	57.7
102.5°	187.1	154.6	137.4	115.3	94.4	80.3	71.1	63.8	60.1	55.8	55.8
105°	180.9	152.7	136.2	112.2	90.2	76.7	68.1	60.7	57.7	54.6	54.0
107.5°	174.8	150.3	138.0	110.4	86.5	74.2	68.1	60.1	56.4	54.0	54.0
110°	171.7	151.5	137.4	108.6	85.2	73.6	67.5	60.7	57.7	55.2	54.6

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

Scaled Data Report

REPORT NUMBER: P1046609
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	163.8	144.7	131.2	103.0	83.4	71.8	65.0	60.1	55.8	53.4	52.7
115°	155.8	133.1	120.2	98.1	79.1	69.3	63.2	58.3	54.0	52.1	52.1
117.5°	158.8	130.0	110.4	96.3	77.9	67.5	61.9	57.0	53.4	52.1	51.5
120°	157.0	136.8	123.9	103.0	77.3	65.6	60.7	55.8	52.7	52.1	52.1
122.5°	150.3	147.8	136.2	104.9	74.8	66.2	61.9	57.7	54.6	52.7	52.7
125°	144.7	143.5	127.0	94.4	76.7	68.7	65.0	60.7	58.9	57.0	56.4
127.5°	133.7	120.2	105.5	90.8	77.9	69.9	66.2	63.8	61.9	58.9	58.3
130°	134.3	123.3	108.6	91.4	74.8	68.7	66.9	64.4	61.3	56.4	55.8
132.5°	146.0	134.3	107.9	84.6	71.8	68.7	67.5	64.4	57.7	52.1	51.5
135°	121.4	113.5	95.7	81.0	73.0	71.1	70.5	63.8	54.0	50.3	49.7
137.5°	118.4	106.7	92.0	81.6	76.1	72.4	69.9	61.3	50.3	46.6	45.4
140°	111.6	100.6	90.2	82.8	73.6	61.3	55.8	51.5	46.6	43.5	42.9
142.5°	111.6	101.2	85.2	73.0	63.8	57.0	54.0	50.3	44.8	40.5	39.3
145°	131.9	119.6	103.0	92.6	82.8	72.4	61.9	50.9	41.7	36.2	35.6
147.5°	149.6	134.9	122.0	104.9	88.9	71.8	57.0	44.8	38.0	35.6	35.6
150°	122.7	109.2	102.4	87.7	73.6	58.9	48.5	41.7	38.0	36.8	36.8
152.5°	92.0	77.3	72.4	64.4	55.8	48.5	43.5	39.9	38.6	38.0	38.0
155°	85.9	73.6	67.5	60.1	51.5	45.4	42.3	40.5	39.3	38.6	38.6
157.5°	74.8	68.1	60.1	54.6	48.5	44.2	42.3	41.1	39.9	39.3	39.3
160°	66.9	61.9	54.6	50.3	46.0	44.2	44.2	43.5	41.7	41.1	41.1
162.5°	60.1	58.3	51.5	47.8	46.0	46.6	49.7	49.1	46.0	43.5	42.9
165°	55.8	54.0	49.1	47.2	46.0	48.5	54.6	53.4	48.5	45.4	45.4
167.5°	53.4	52.1	48.5	46.6	47.2	52.1	57.7	58.3	54.0	49.7	49.1
170°	49.1	49.1	48.5	49.1	49.1	51.5	54.6	56.4	56.4	57.7	57.0
172.5°	48.5	49.1	50.9	50.9	50.3	50.9	53.4	56.4	58.3	60.1	60.7
175°	49.7	50.3	51.5	52.1	52.1	53.4	57.0	59.5	60.7	60.1	60.1
177.5°	46.0	46.6	47.2	49.7	50.9	52.1	55.8	57.0	58.3	59.5	59.5
180°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7

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

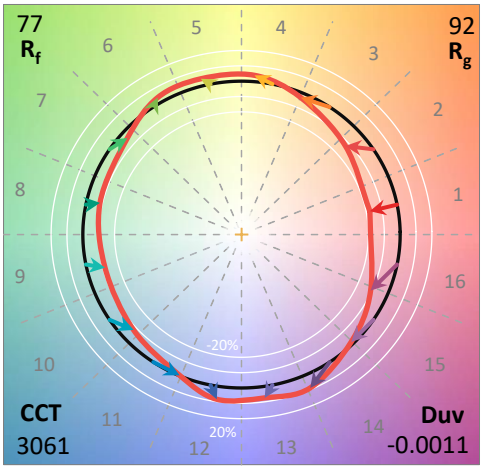
Test Information

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

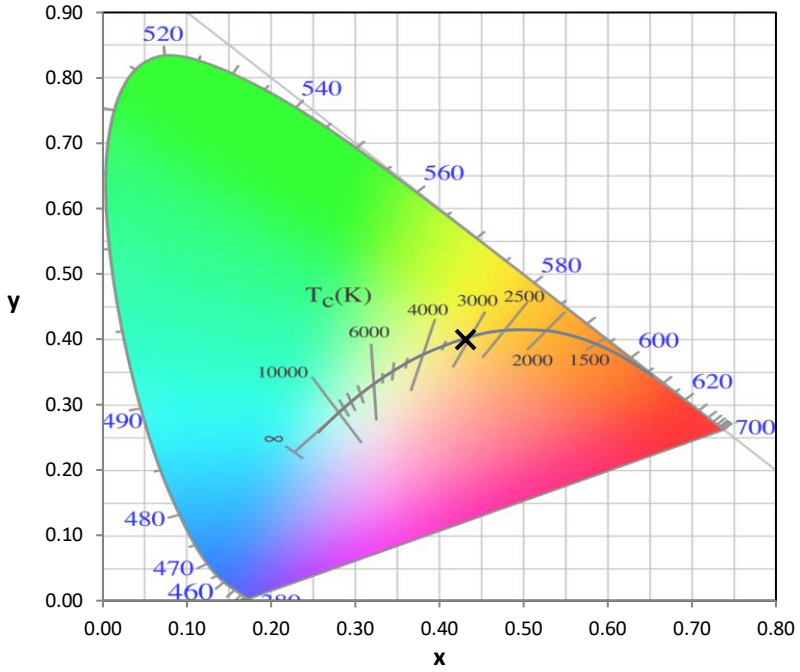
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

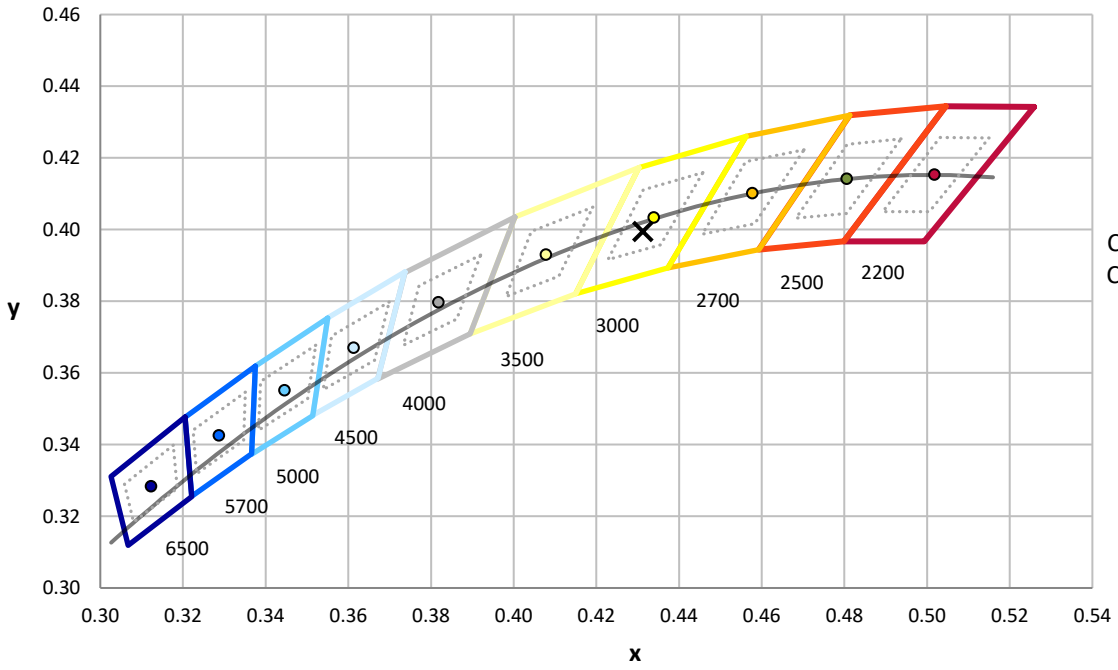
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

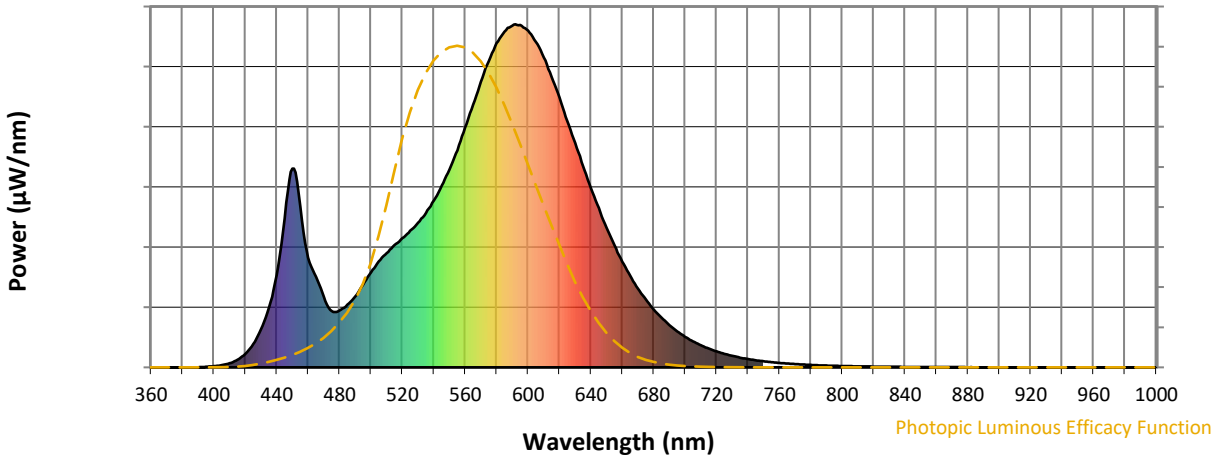


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

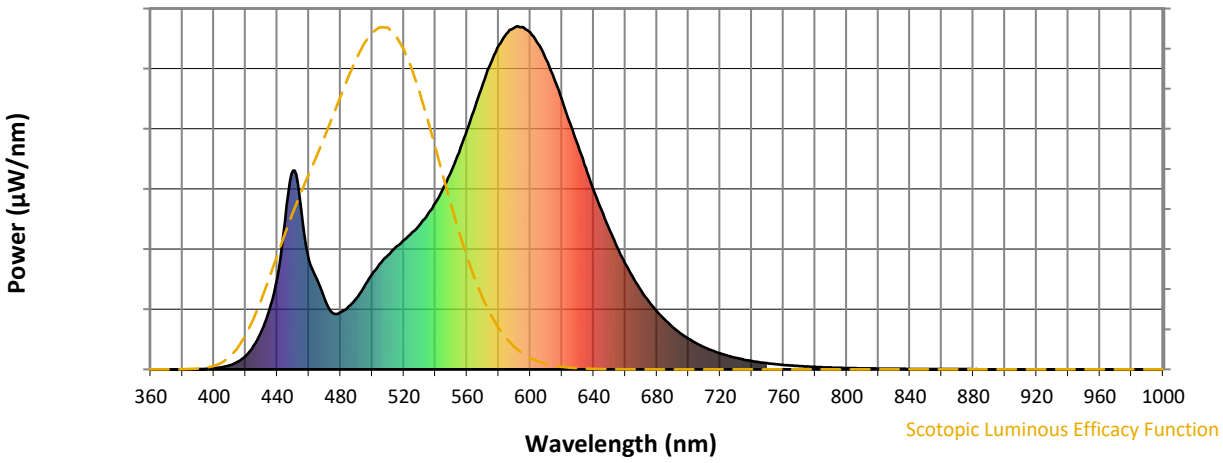


Photopic Lumens: NR

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

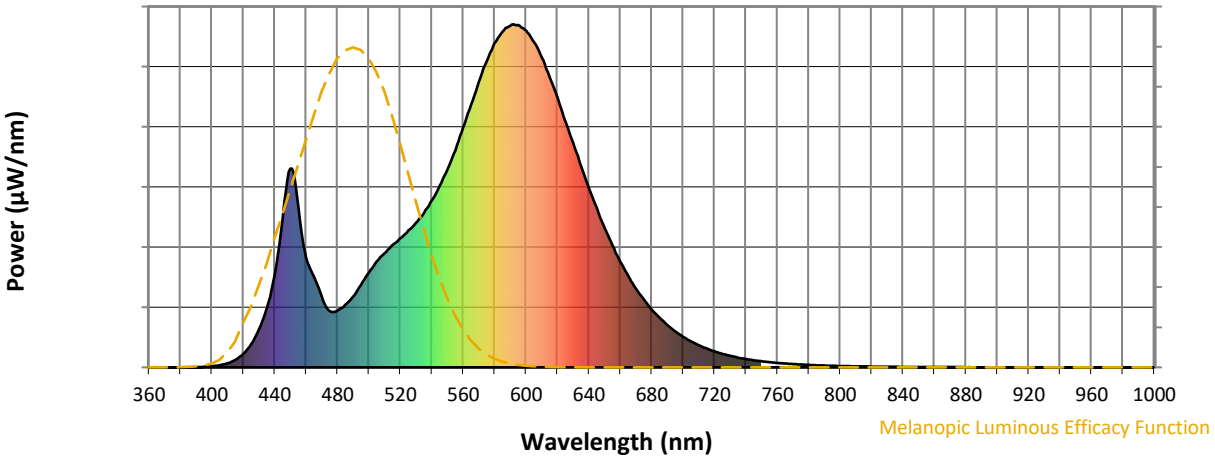


Scotopic Lumens: NR **S/P: 1.29**

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			

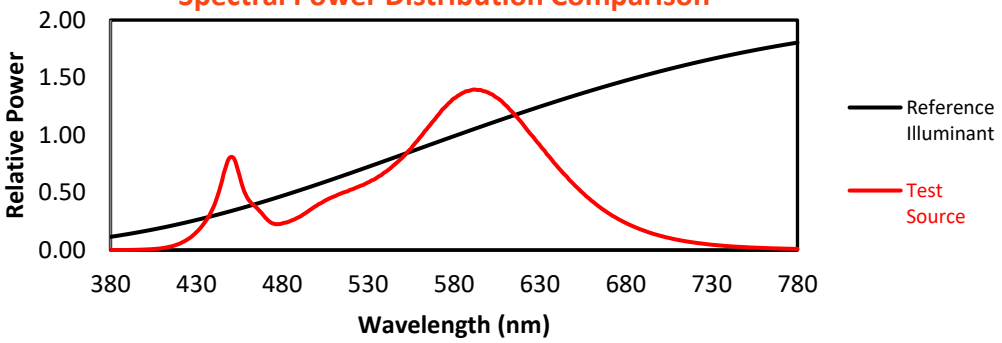
REPORT NUMBER: SP1-2501-332-4

TM-30-18

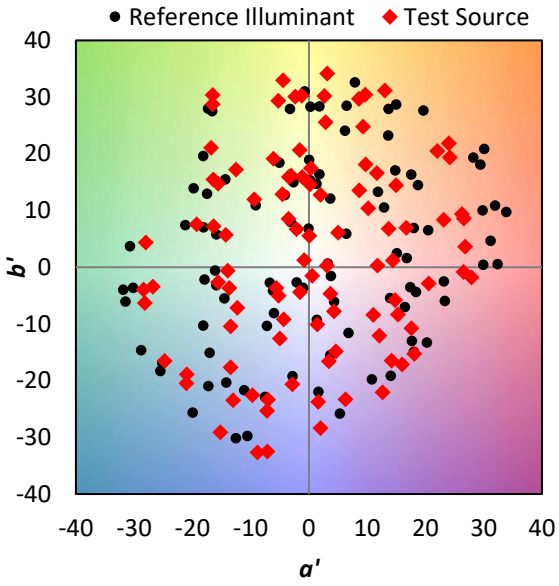
Summary

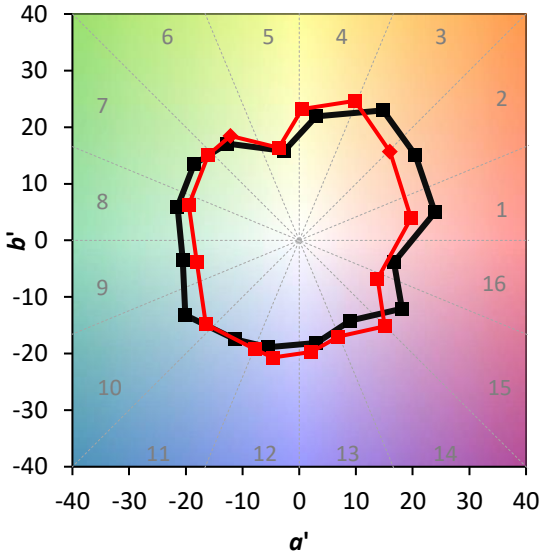
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

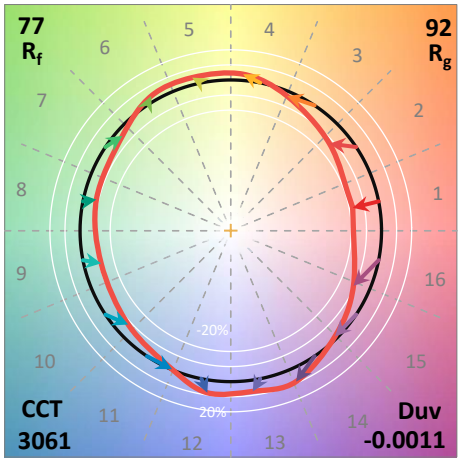
Spectral Power Distribution Comparison

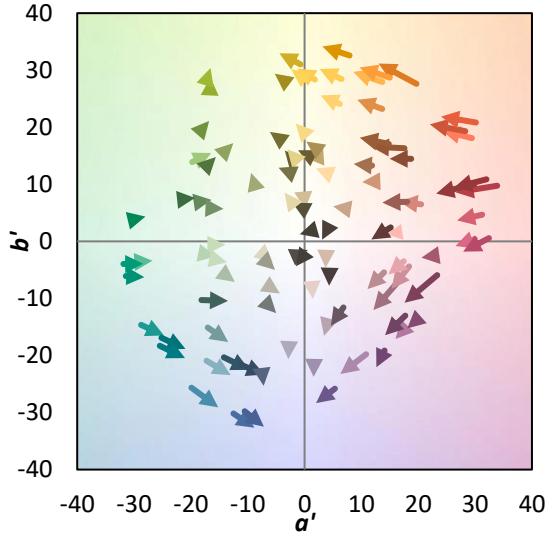


Color Vector Graphics







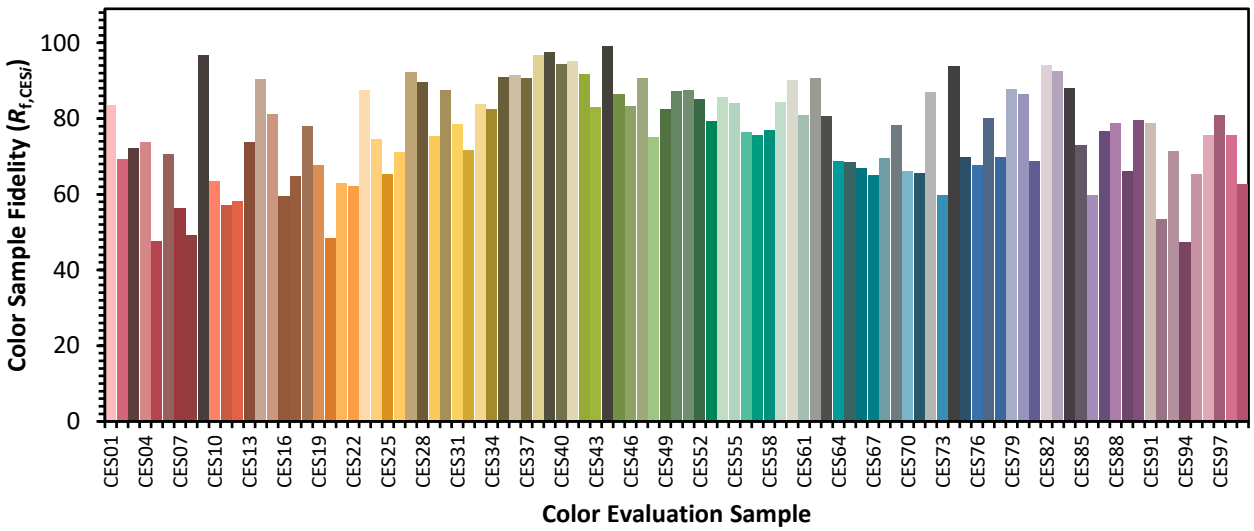


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

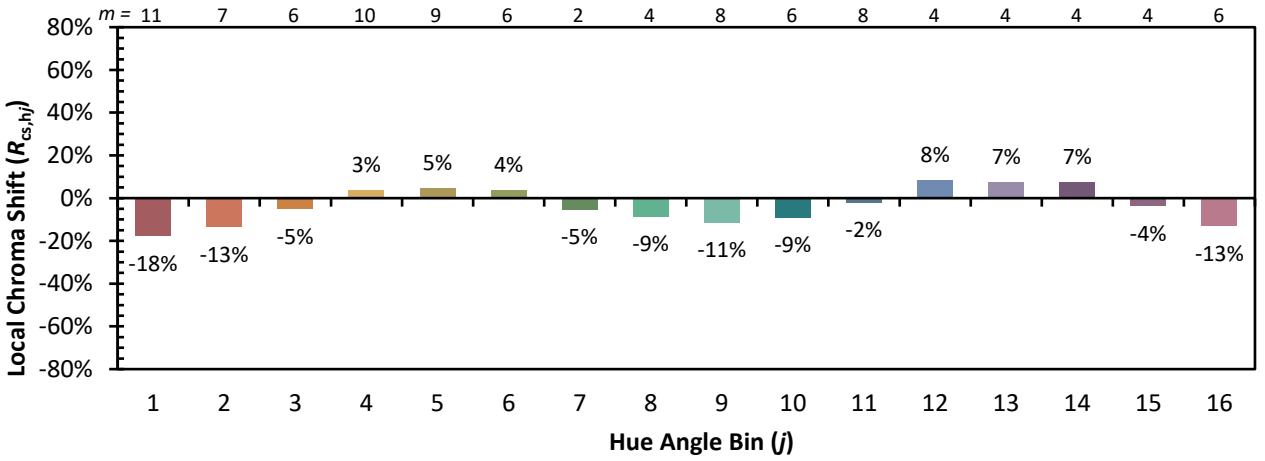
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 87	CES75 = 70	

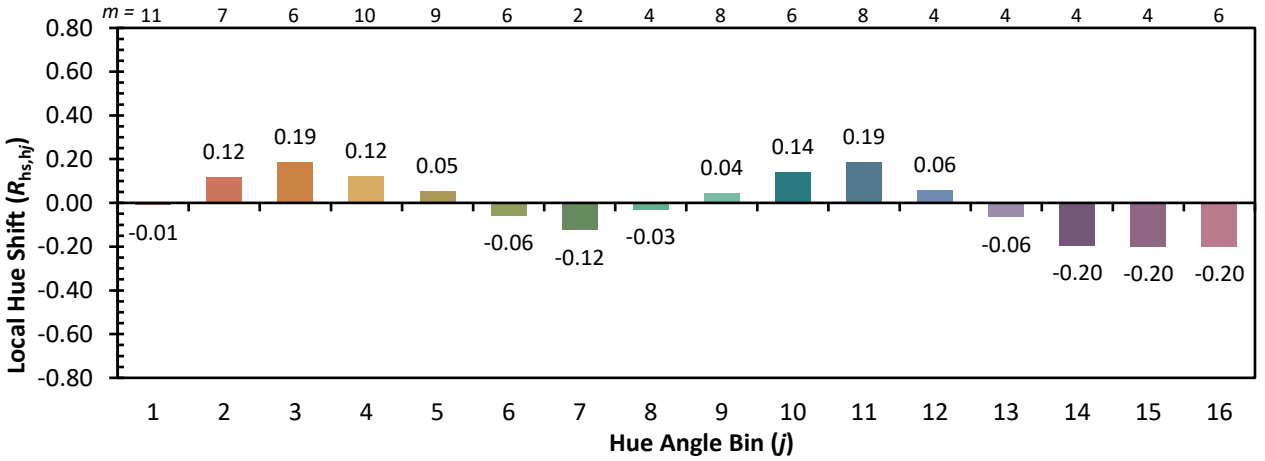


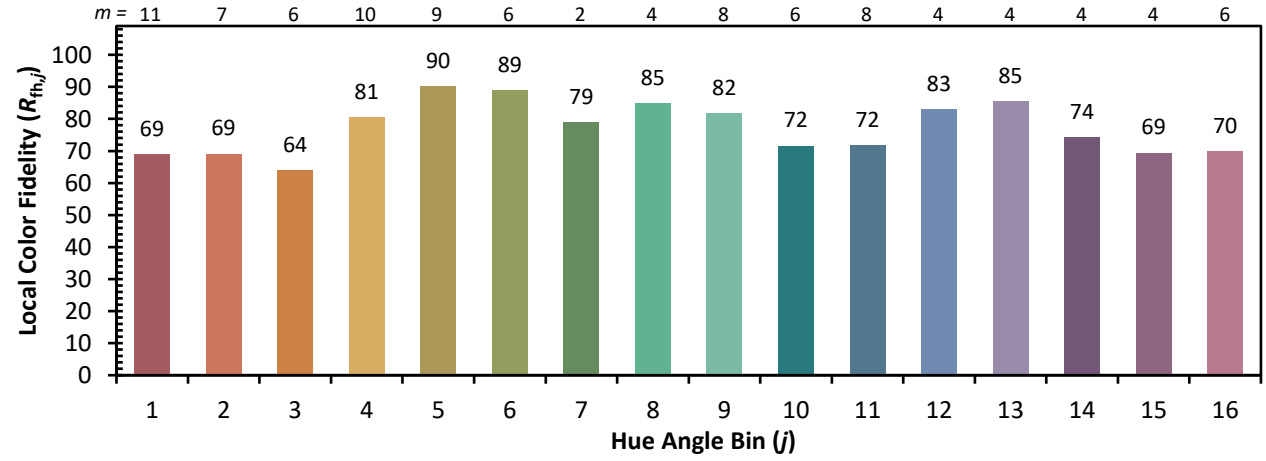
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Color Rendition by Hue-Angle Bin



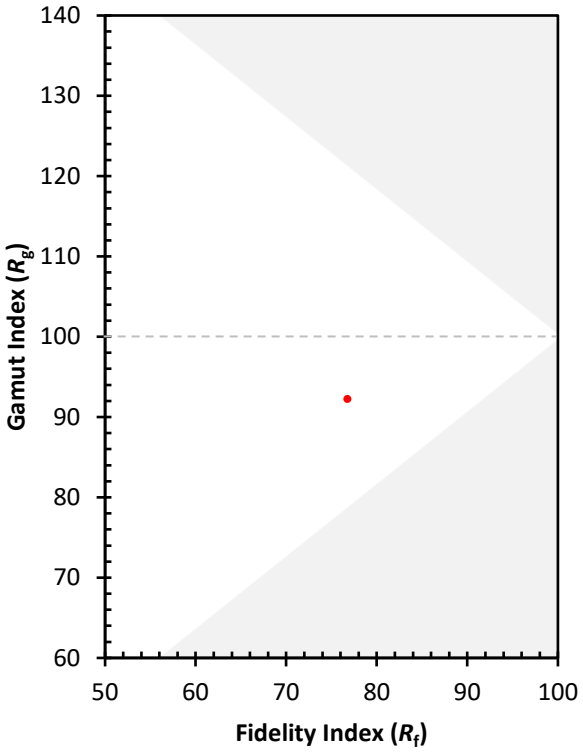


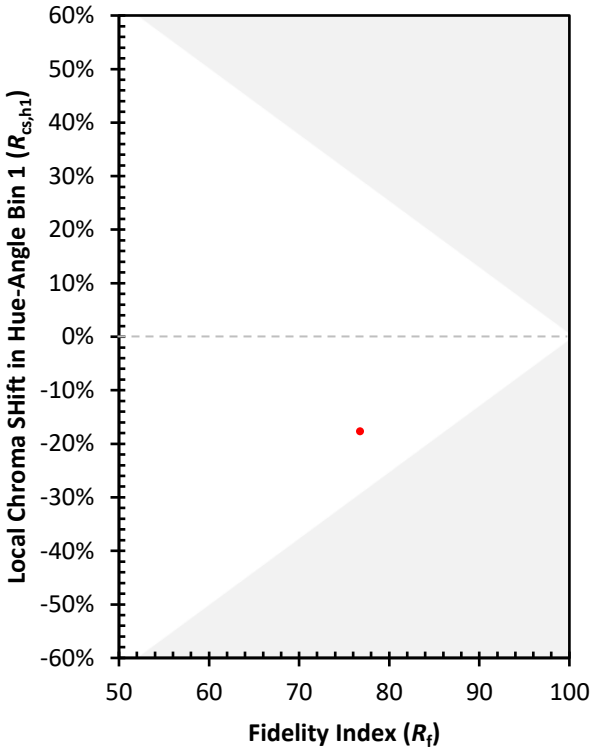


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Measure Comparisons





(END OF REPORT)