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: P981475

Luminaire Tested: **FFX-CLB-40-730-U-FR-T3-UPLR**

Issue Date: 04/15/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981475
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6007.8 lumens
Efficiency:	N/A
Efficacy:	152.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U3 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

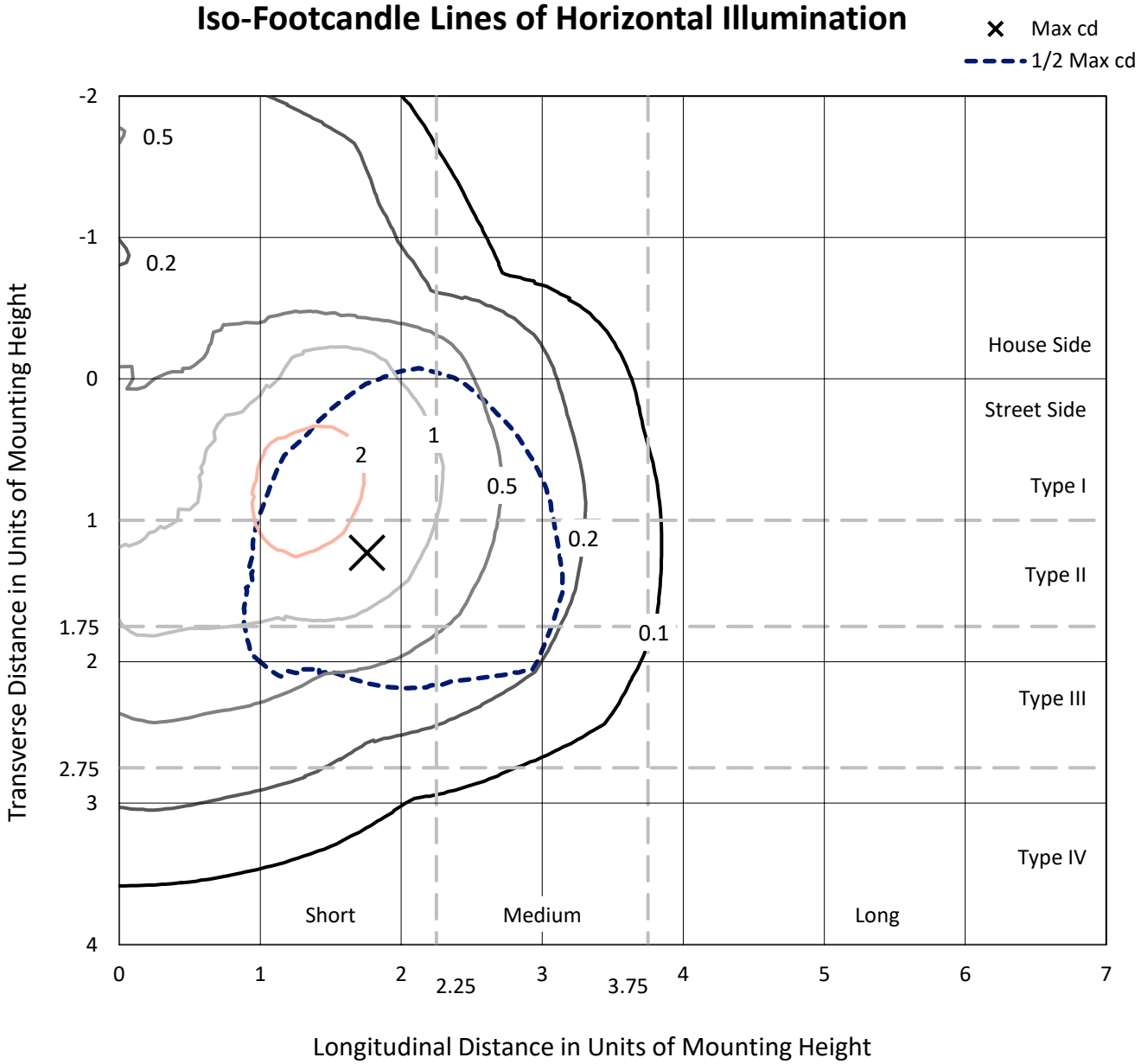


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Iso-Footcandle Lines of Horizontal Illumination



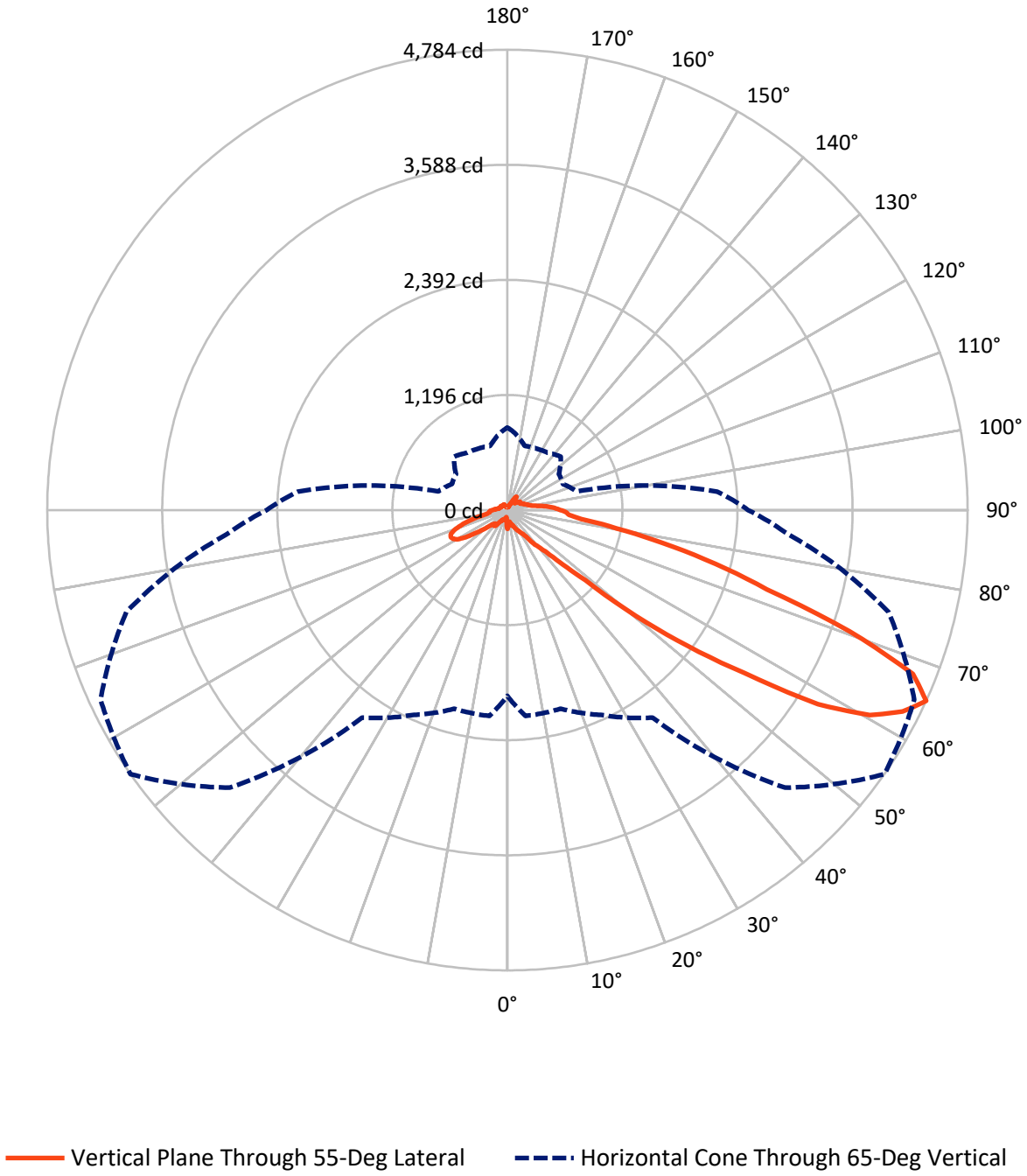
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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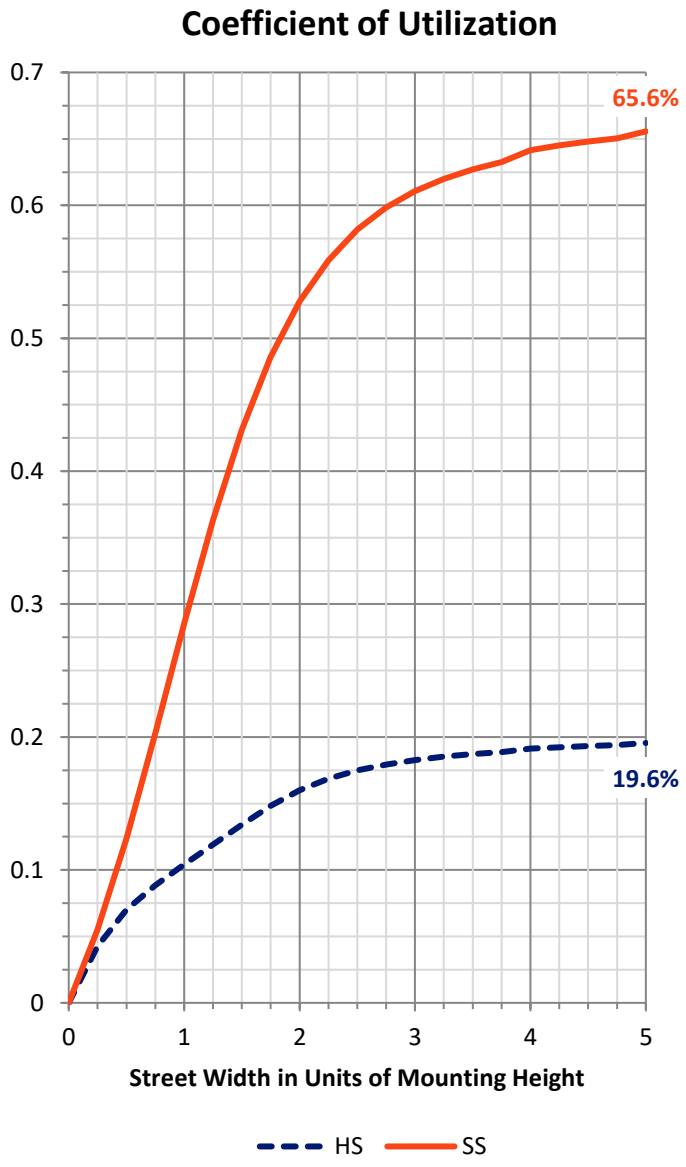
REPORT NUMBER: P981475
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.5	238.2	1458.6
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	4072.5	476.6	4549.1
	% Fixture	67.8	7.9	75.7
Total	Lumens	5293.0	714.8	6007.8
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.2
10°-20°	36.7	0.6
20°-30°	75.1	1.3
30°-40°	162.9	2.7
40°-50°	395.3	6.6
50°-60°	1233.9	20.5
60°-70°	1960.7	32.6
70°-80°	1044.9	17.4
80°-90°	372.3	6.2
90°-100°	226.5	3.8
100°-110°	134.1	2.2
110°-120°	104.7	1.7
120°-130°	87.3	1.5
130°-140°	63.8	1.1
140°-150°	58.7	1.0
150°-160°	26.5	0.4
160°-170°	10.1	0.2
170°-180°	3.0	0.0
0°-90°	5293.0	88.1
0°-180°	6007.8	100.0



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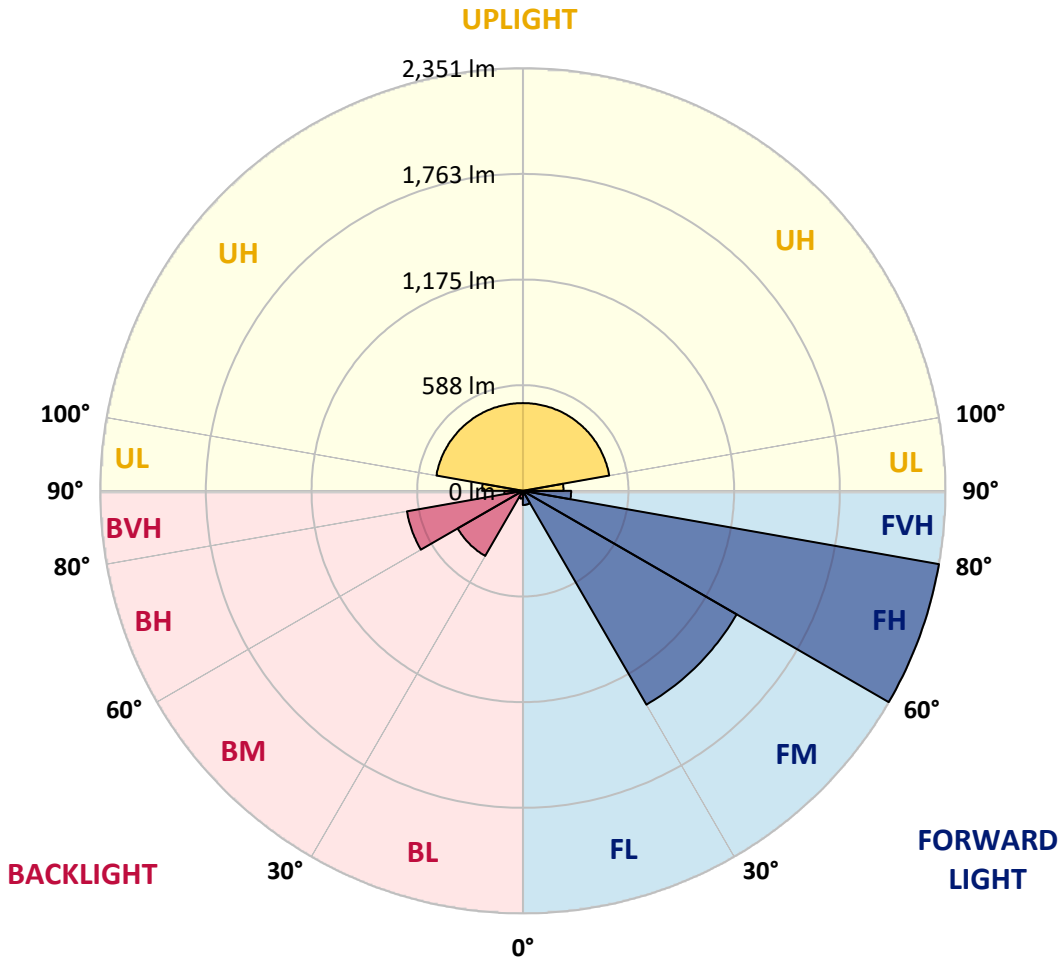
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	79.4	1.3			
FM	(30°-60°)	1373.7	22.9			
FH	(60°-80°)	2350.8	39.1			G2/5000
FVH	(80°-90°)	268.6	4.5			G3/500
BL	(0°-30°)	43.7	0.7	B0/110		
BM	(30°-60°)	418.3	7.0	B1/1000		
BH	(60°-80°)	654.8	10.9	B2/1000		G2/1000
BVH	(80°-90°)	103.7	1.7			G2/225
UL	(90°-100°)	226.5	3.8		U3/500	
UH	(100°-180°)	488.2	8.1		U3/500	

BUG Rating: B2-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	194.9	194.9	194.9	194.9	194.9	194.9	*194.9*	194.9	194.9	194.9	194.9
2.5°	116.4	117.2	130.2	140.4	153.0	149.3	*149.3*	177.0	195.3	222.2	219.7
5°	124.5	119.2	121.7	130.6	147.7	155.9	*146.9*	116.4	96.4	104.6	114.3
7.5°	136.3	135.1	132.3	123.7	117.2	134.7	*159.1*	141.6	107.0	89.9	86.3
10°	139.6	140.0	139.2	140.0	143.2	135.5	*121.7*	110.7	107.4	105.8	104.6
12.5°	168.9	168.5	170.1	168.1	160.3	151.0	*153.8*	145.7	129.8	118.8	116.0
15°	197.0	196.1	195.7	188.0	175.4	160.3	*153.0*	156.7	146.5	133.9	128.2
17.5°	208.4	208.4	200.2	189.2	181.5	170.9	*165.2*	161.1	153.4	145.3	138.4
20°	203.9	203.5	195.3	190.9	191.7	186.8	*181.9*	175.8	168.1	155.0	146.5
22.5°	201.4	201.4	198.6	197.4	204.3	202.7	*201.4*	193.7	183.5	164.4	153.4
25°	217.3	216.1	212.4	212.4	218.9	224.2	*226.3*	220.2	203.5	174.6	164.4
27.5°	232.8	232.4	227.5	228.7	232.8	243.3	*246.6*	243.8	221.0	183.1	174.2
30°	251.5	248.6	244.6	251.9	251.1	265.7	*270.2*	273.5	244.6	200.6	190.0
32.5°	271.4	269.8	266.5	275.9	279.2	292.6	*296.3*	312.5	276.7	232.0	221.0
35°	305.2	304.0	312.5	330.8	330.4	355.7	*345.9*	370.3	336.5	288.5	277.5
37.5°	457.4	450.5	440.7	423.2	422.0	457.0	*446.0*	465.1	417.5	350.0	337.8
40°	476.1	474.9	470.4	450.5	439.1	498.9	*506.2*	562.8	484.3	406.9	383.3
42.5°	465.1	466.8	526.6	539.2	516.0	589.7	*601.9*	701.2	559.5	493.6	450.5
45°	560.8	563.2	582.7	591.7	590.1	775.2	*805.3*	927.0	691.4	615.3	535.5
47.5°	642.1	633.6	669.0	737.4	784.2	993.3	*1090.2*	1277.0	929.0	816.7	669.0
50°	882.2	880.2	965.7	1040.5	1086.9	1429.2	*1727.5*	1932.6	1361.6	1184.2	933.5
52.5°	1045.0	1114.2	1196.0	1369.3	1411.3	1944.8	*2348.4*	2512.8	1881.7	1555.3	1274.5
55°	1210.2	1309.9	1401.5	1671.3	1810.5	2526.7	*2986.1*	3031.3	2471.3	1891.0	1608.2
57.5°	1517.5	1685.5	1744.5	1959.8	2163.3	3197.3	*3806.5*	3758.5	3079.3	2280.5	1981.0
60°	1795.4	1997.7	1980.6	2191.4	2453.0	3743.8	*4327.4*	4276.9	3635.6	2626.4	2267.5
62.5°	1888.6	2092.5	2069.3	2298.8	2633.3	4036.8	*4611.4*	4525.2	3999.8	2848.2	2426.2
65°	*1932.1*	*2148.6*	*2137.2*	*2351.3*	*2633.3*	*4079.2*	*4784.4*	*4666.4*	*4101.5*	*2933.6*	*2502.7*
67.5°	1893.9	2102.7	2110.0	2300.0	2478.3	3773.5	*4548.4*	4388.0	3846.8	2728.5	2365.9
70°	1655.4	1801.5	1783.2	1955.3	1972.8	3020.7	*3774.8*	3600.2	3125.3	2275.2	1957.8
72.5°	1367.7	1403.1	1388.1	1496.7	1517.1	2212.5	*2821.3*	2722.4	2333.8	1692.9	1495.9
75°	1090.6	1084.9	1115.8	1141.1	1119.9	1624.1	*2234.1*	2121.8	1726.6	1274.9	1151.2
77.5°	754.5	710.9	792.3	800.0	766.7	1080.0	*1648.1*	1605.4	1237.5	939.6	848.5
80°	424.0	428.9	487.1	521.7	509.5	687.3	*1146.8*	1118.7	845.2	656.8	583.6
82.5°	327.2	341.8	369.1	395.1	378.0	525.8	*775.6*	777.7	618.1	479.8	438.3
85°	359.7	367.5	371.1	371.9	358.5	488.7	*643.0*	634.4	525.0	401.6	388.6
87.5°	350.8	358.9	360.1	360.5	348.7	465.5	*608.8*	595.4	500.5	385.8	365.8
90°	300.7	314.6	316.2	326.8	312.9	415.9	*535.9*	522.5	451.3	347.9	329.2
92.5°	258.4	265.7	273.5	286.1	271.4	362.2	*479.8*	463.1	404.1	314.6	288.9
95°	236.4	240.5	247.0	251.9	234.8	307.6	*401.2*	383.7	328.0	253.1	230.3
97.5°	190.0	193.7	196.6	202.7	190.9	243.8	*311.3*	295.0	257.2	201.4	184.3
100°	162.4	164.8	168.1	172.1	162.4	204.3	*255.6*	248.2	214.0	170.1	159.1
102.5°	148.5	150.6	156.3	156.3	150.2	186.8	*228.3*	222.6	192.5	154.2	146.9
105°	143.2	143.6	148.5	146.5	142.4	174.2	*212.8*	205.5	180.3	146.5	138.0
107.5°	136.3	136.7	142.8	139.6	136.3	161.6	*192.9*	189.6	166.8	136.7	129.4
110°	129.4	130.6	138.4	135.5	133.5	151.8	*180.7*	174.6	159.5	132.3	126.2

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REPORT NUMBER: P981475
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	124.1	124.9	132.3	130.2	128.6	145.3	*167.7*	167.7	155.9	132.3	124.1
115°	119.6	121.3	127.4	123.3	120.5	136.7	*154.6*	155.5	145.7	126.2	118.0
117.5°	111.9	115.6	118.8	120.5	117.2	131.0	*146.9*	146.1	140.8	121.7	116.0
120°	127.4	124.5	127.0	129.8	124.5	135.5	*148.9*	148.9	143.6	119.6	114.8
122.5°	133.1	129.0	131.4	128.6	128.2	142.4	*159.1*	160.3	149.3	123.3	111.1
125°	118.0	116.4	113.5	112.7	116.0	129.4	*144.5*	149.8	138.0	118.0	103.8
127.5°	100.9	98.9	95.2	97.3	103.4	116.8	*124.5*	127.4	122.5	109.5	98.9
130°	93.2	92.8	95.6	99.3	104.2	115.6	*118.0*	122.1	122.1	106.6	100.5
132.5°	85.1	85.5	94.4	107.0	110.7	113.1	*107.8*	115.6	119.2	108.7	101.7
135°	83.8	84.2	89.1	99.3	99.7	101.3	*101.7*	111.5	113.9	103.8	96.0
137.5°	91.6	91.6	87.9	89.9	94.4	106.6	*110.7*	118.4	116.4	98.1	86.7
140°	100.9	98.9	87.5	87.9	95.6	110.7	*116.0*	120.9	118.4	96.0	82.6
142.5°	83.4	84.2	86.3	94.0	103.0	137.1	*132.7*	144.9	140.0	101.7	80.6
145°	130.2	130.6	128.2	131.4	137.1	182.3	*168.5*	188.0	193.7	133.1	95.6
147.5°	142.4	144.1	139.6	136.7	153.0	166.8	*151.4*	167.7	178.6	139.6	102.5
150°	111.1	110.7	107.8	111.9	122.9	122.1	*113.9*	119.6	124.1	106.6	87.9
152.5°	78.9	77.7	76.1	76.5	89.5	86.3	*83.8*	88.7	88.7	81.8	70.4
155°	65.5	65.5	64.7	66.7	74.1	68.4	*66.3*	65.5	64.7	62.7	58.2
157.5°	55.3	56.6	55.3	57.8	62.7	57.4	*56.2*	54.9	55.3	55.3	54.1
160°	46.0	46.0	45.2	49.2	50.9	46.8	*44.8*	43.9	43.9	46.4	46.4
162.5°	38.7	38.7	39.1	40.7	41.9	39.1	*37.8*	37.8	39.1	42.7	42.7
165°	33.4	33.4	33.8	35.0	35.8	34.2	*33.4*	33.8	37.0	40.3	40.3
167.5°	30.5	30.5	30.5	30.9	31.3	30.5	*30.5*	32.1	35.0	37.0	37.0
170°	28.9	28.9	28.5	28.9	28.9	28.9	*30.5*	32.1	33.4	33.4	33.4
172.5°	29.3	29.3	28.9	29.3	29.3	28.9	*30.9*	33.0	32.1	31.7	31.7
175°	30.1	30.1	30.1	30.5	30.5	29.7	*29.3*	30.1	30.9	30.9	30.5
177.5°	30.1	30.1	29.7	30.1	29.7	28.9	*28.5*	28.1	28.1	27.7	27.7
180°	28.1	28.1	28.1	28.1	28.1	28.1	*28.1*	28.1	28.1	28.1	28.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	199.0	171.7	151.4	167.3	202.2	219.7	202.2	153.8	108.2	94.8
5°	119.2	116.0	104.6	102.1	106.6	102.5	113.9	107.8	85.5	86.3
7.5°	89.1	107.8	104.2	74.5	69.6	65.1	68.8	78.5	81.0	75.7
10°	103.4	93.2	81.4	75.7	82.6	89.1	84.6	73.7	63.5	60.6
12.5°	113.9	113.1	114.3	102.5	84.2	77.7	75.3	81.0	98.5	102.5
15°	122.5	113.1	104.6	102.1	89.9	83.4	80.2	78.5	75.3	72.8
17.5°	131.0	115.6	106.2	96.9	90.7	84.6	77.7	74.1	73.7	74.1
20°	136.7	122.5	111.5	100.9	93.2	85.1	78.1	74.9	74.9	74.9
22.5°	143.6	129.8	118.0	104.6	95.6	86.7	81.0	77.7	77.3	77.3
25°	155.0	139.6	125.7	111.1	101.3	93.2	85.5	81.4	80.2	79.8
27.5°	168.1	151.0	134.3	119.2	109.1	100.1	89.9	83.8	82.2	81.8
30°	184.8	165.2	144.1	128.2	115.6	107.0	94.8	87.5	84.2	83.8
32.5°	212.0	186.4	158.7	141.2	126.2	114.8	101.3	92.4	87.1	85.9
35°	264.5	233.2	191.7	166.4	142.4	124.5	107.0	95.2	89.9	89.1
37.5°	323.1	275.5	235.2	205.9	176.6	146.5	116.0	99.7	93.2	92.0
40°	348.3	303.2	260.4	214.5	207.9	184.3	142.4	110.7	97.7	95.6
42.5°	403.7	339.4	281.6	189.6	204.7	203.5	175.8	135.5	109.9	105.0
45°	475.3	386.2	313.3	202.7	206.3	199.0	180.3	156.7	133.5	128.2
47.5°	592.1	431.8	323.5	227.9	232.0	214.5	188.8	165.2	148.5	146.5
50°	845.6	565.6	361.0	275.9	288.9	248.6	216.9	196.6	176.6	172.9
52.5°	1149.6	670.2	399.6	344.3	391.1	333.3	285.3	247.8	246.6	241.7
55°	1469.9	710.5	450.9	419.6	492.4	442.3	395.5	361.4	378.9	380.5
57.5°	1829.6	753.7	525.0	518.0	615.3	535.5	496.1	505.4	629.5	678.0
60°	2069.3	789.1	588.8	599.4	727.6	649.9	620.2	640.9	851.7	940.0
62.5°	2175.9	771.1	620.2	638.5	776.0	719.5	714.6	725.6	904.2	986.8
65°	*2190.6*	*744.7*	*637.3*	*653.1*	*784.6*	*726.8*	*706.0*	*690.6*	*809.4*	*857.8*
67.5°	2010.7	688.5	623.8	640.5	745.9	676.7	625.1	590.1	658.8	663.7
70°	1636.3	614.9	578.3	584.4	637.3	566.5	517.6	487.5	503.4	496.9
72.5°	1268.8	542.0	515.2	500.9	516.8	456.2	398.4	382.9	398.0	391.1
75°	964.0	484.3	454.6	406.5	432.6	351.2	286.9	273.1	279.6	270.2
77.5°	708.9	390.3	355.7	300.7	336.5	254.7	193.7	179.5	181.9	172.9
80°	517.2	288.5	260.0	215.7	242.5	181.1	140.0	137.5	137.1	131.4
82.5°	399.6	229.1	207.9	185.6	190.0	159.9	132.7	128.6	128.6	120.0
85°	370.7	221.8	200.2	184.3	185.6	155.0	126.2	123.7	124.9	116.0
87.5°	346.3	216.9	199.4	180.3	170.9	140.4	113.5	116.4	117.2	109.5
90°	297.1	192.9	177.0	158.7	147.7	119.2	101.7	107.0	107.8	100.9
92.5°	260.4	165.6	152.2	138.0	133.1	111.9	97.7	101.7	101.7	95.6
95°	207.5	135.5	129.4	122.5	121.3	104.6	91.2	93.2	92.4	87.1
97.5°	168.9	117.6	112.3	105.8	101.7	89.5	80.2	82.2	82.6	78.9
100°	148.5	108.7	101.3	94.0	89.9	80.6	73.2	76.9	79.4	76.1
102.5°	138.8	103.8	95.6	87.9	84.6	76.1	69.2	72.4	75.7	72.8
105°	131.8	100.1	91.6	84.6	80.6	72.0	65.1	65.9	70.0	68.4
107.5°	122.9	100.1	89.1	82.2	77.3	69.6	61.4	60.6	63.1	62.7
110°	119.6	100.1	87.5	80.6	75.3	68.4	61.0	57.8	59.0	59.0

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

Scaled Data Report

REPORT NUMBER: P981475
CATALOG NUMBER: FFX-CLB-40-730-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	116.8	99.3	85.9	77.7	73.2	67.6	60.2	55.3	56.6	57.4
115°	110.3	91.6	81.0	72.4	68.0	61.9	57.0	53.3	53.7	54.5
117.5°	106.6	84.6	78.5	70.8	67.6	63.9	59.4	52.5	52.5	53.3
120°	106.6	83.4	80.6	77.7	76.1	70.0	62.7	52.5	51.3	51.3
122.5°	105.0	92.8	87.9	81.4	76.9	68.8	59.8	51.3	50.5	50.5
125°	96.4	88.7	81.0	73.2	68.0	61.4	56.2	51.7	50.1	50.1
127.5°	92.0	79.8	72.4	66.3	62.7	59.4	56.2	51.7	49.6	49.2
130°	93.2	80.6	71.2	66.3	63.5	60.2	56.6	50.9	47.6	47.2
132.5°	94.0	77.7	68.8	64.7	62.7	60.2	55.3	48.0	44.4	44.4
135°	85.1	70.0	65.9	63.1	61.9	59.8	52.5	45.6	42.7	42.3
137.5°	77.3	68.0	65.1	62.3	60.2	57.4	51.7	44.8	41.1	40.7
140°	74.1	66.3	62.3	57.0	54.5	48.8	44.8	40.7	39.5	39.1
142.5°	70.4	62.3	57.4	52.9	51.7	49.6	47.2	40.7	36.6	36.6
145°	84.2	74.9	69.2	64.7	59.0	54.9	47.2	39.1	33.8	33.0
147.5°	88.3	79.8	74.1	68.0	57.4	48.4	39.9	34.2	32.1	31.3
150°	77.3	70.0	63.9	57.4	48.0	41.9	36.2	32.6	31.7	31.7
152.5°	61.4	57.4	50.9	46.4	40.3	36.6	33.4	31.3	30.5	30.5
155°	50.9	47.6	43.9	40.3	37.0	34.6	32.6	30.9	30.1	30.1
157.5°	49.2	44.4	41.1	37.8	35.8	33.4	31.7	30.1	29.7	29.3
160°	44.8	39.1	36.2	34.2	33.8	33.0	31.7	30.5	30.1	29.7
162.5°	41.5	35.8	33.8	32.6	33.8	34.6	33.8	32.1	30.9	30.5
165°	39.1	33.8	32.1	32.1	34.6	35.8	33.8	32.1	32.1	31.7
167.5°	36.2	34.6	32.6	32.1	34.2	36.6	37.0	34.2	33.0	32.6
170°	33.8	34.2	34.2	33.0	33.4	35.4	36.2	35.4	33.8	33.4
172.5°	32.1	33.0	34.6	33.8	33.8	34.6	35.4	34.6	33.4	33.0
175°	30.5	30.9	30.1	30.5	31.7	33.0	32.6	32.1	31.7	31.7
177.5°	27.7	27.7	28.1	28.1	28.5	29.7	30.1	30.1	30.9	30.9
180°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1

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

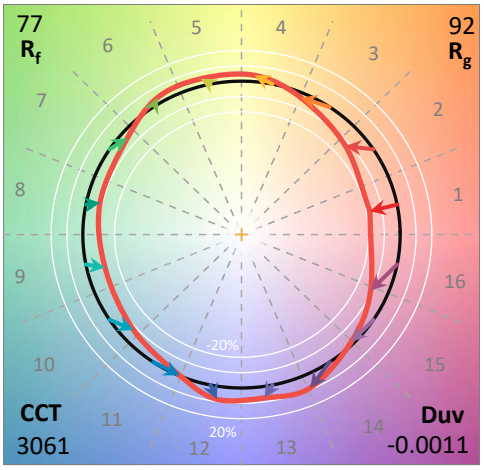
Test Information

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

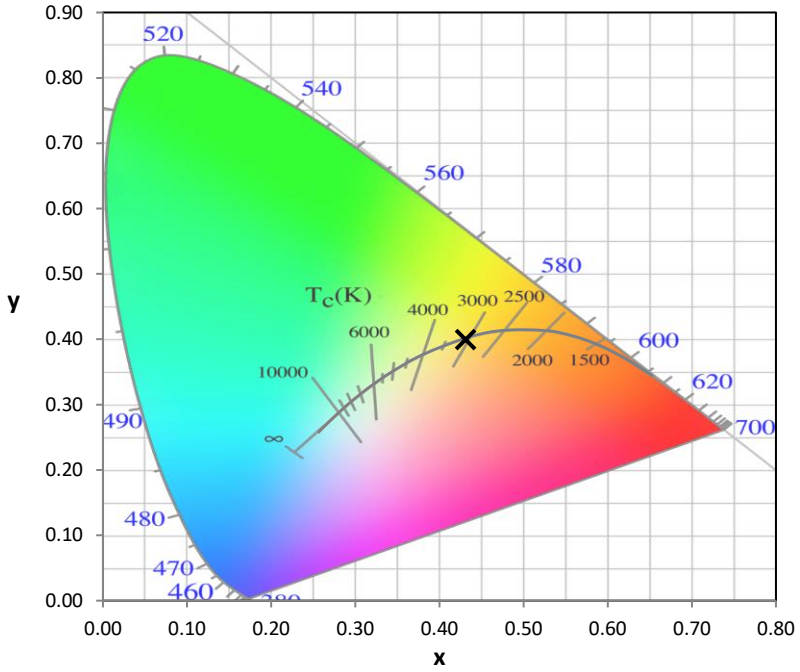
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

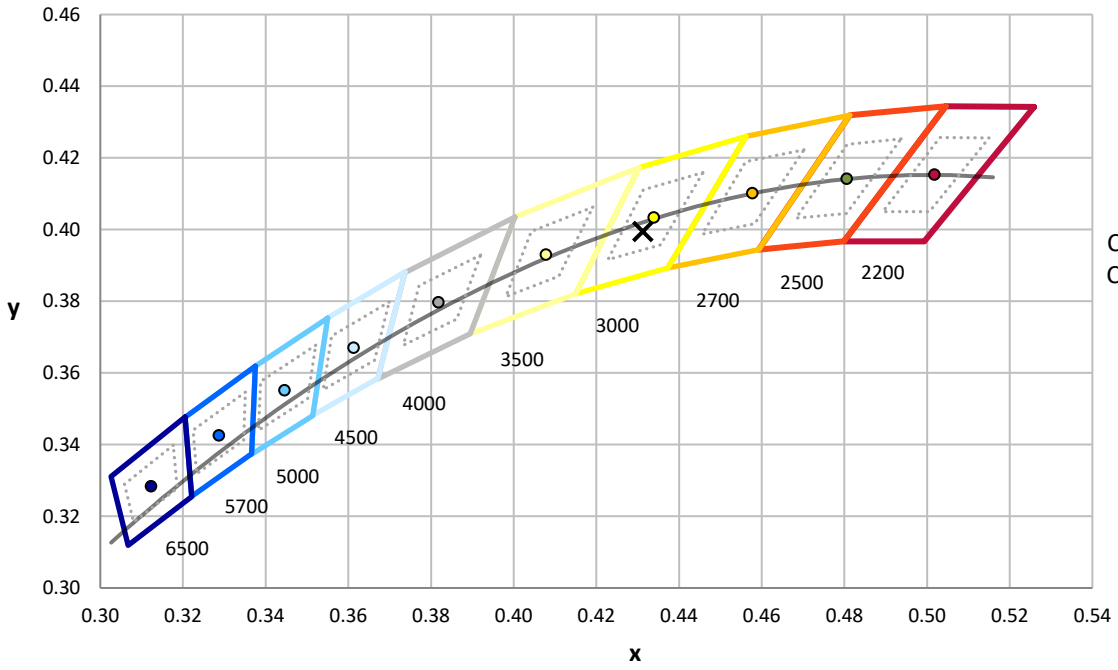
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

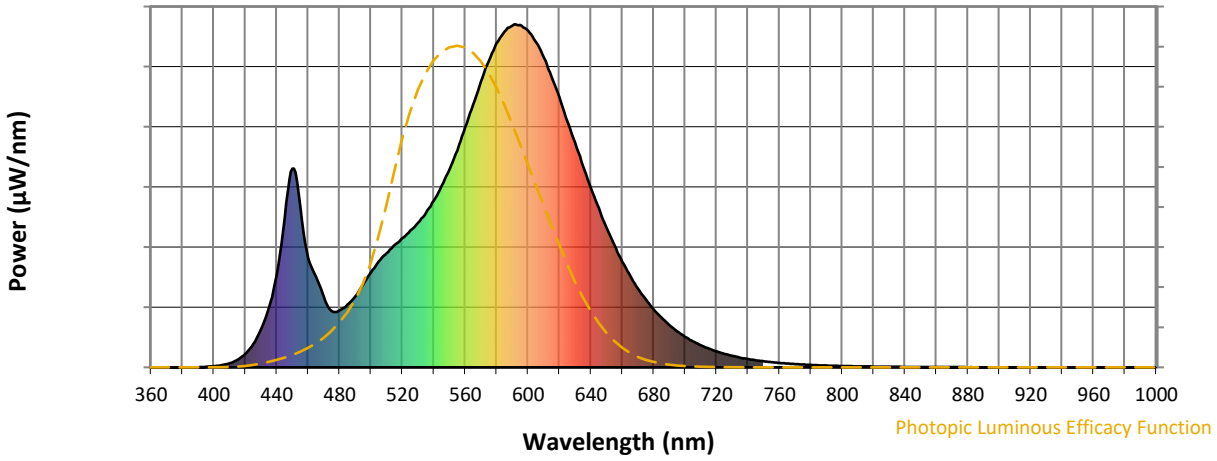


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

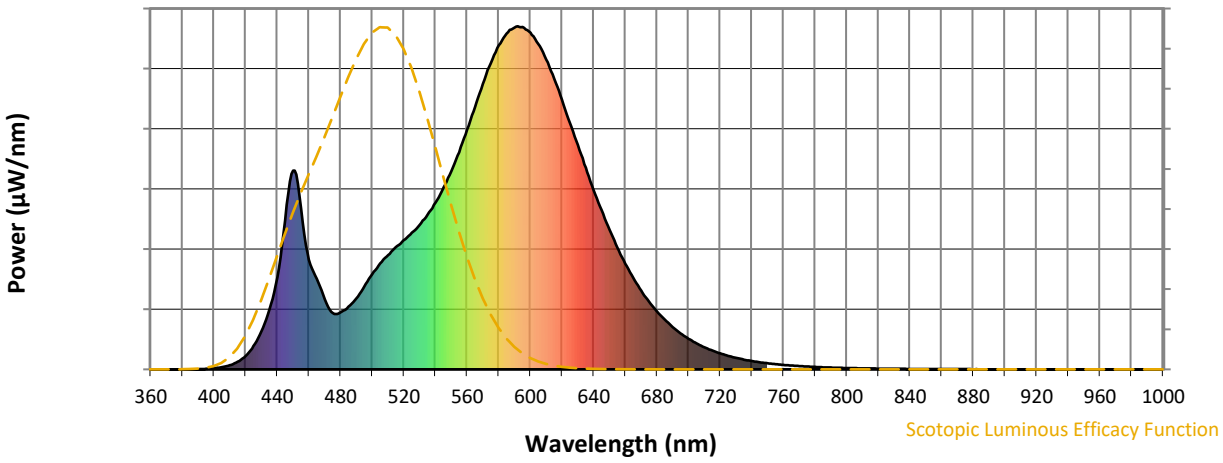


Photopic Lumens: NR

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

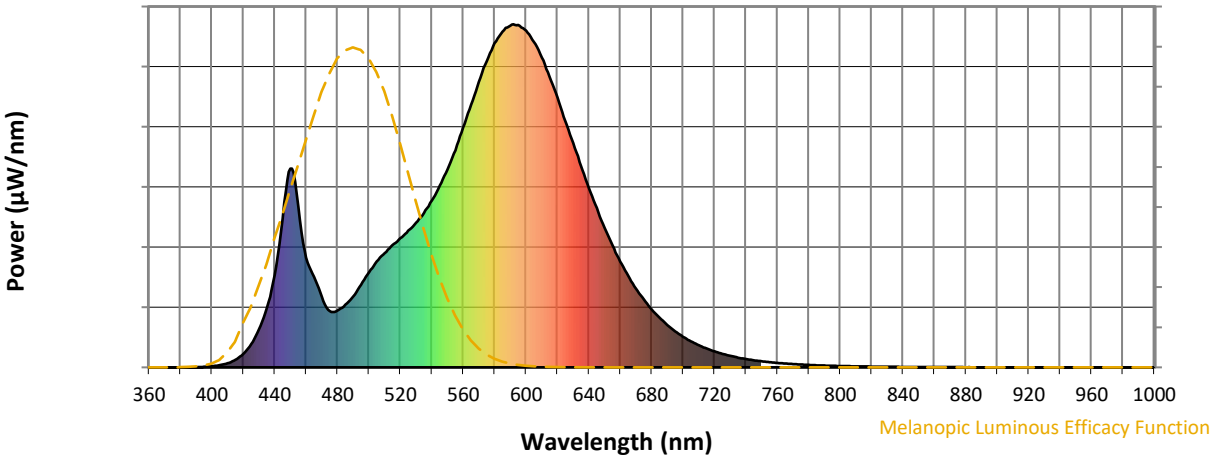


Scotopic Lumens: NR **S/P: 1.29**

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			

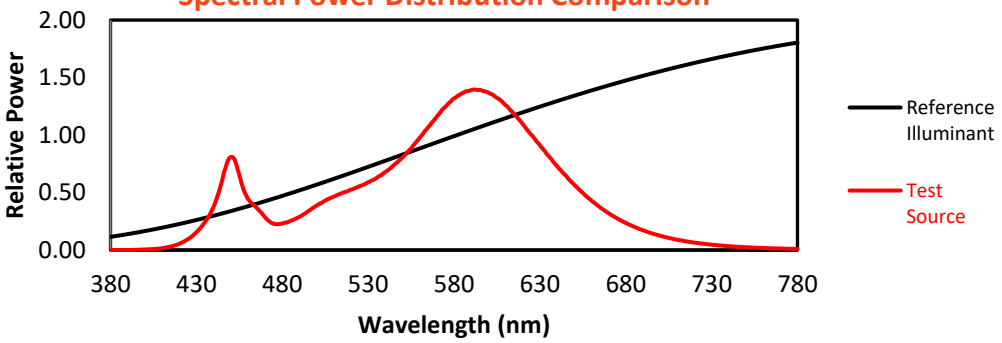
REPORT NUMBER: SP1-2501-332-4

TM-30-18

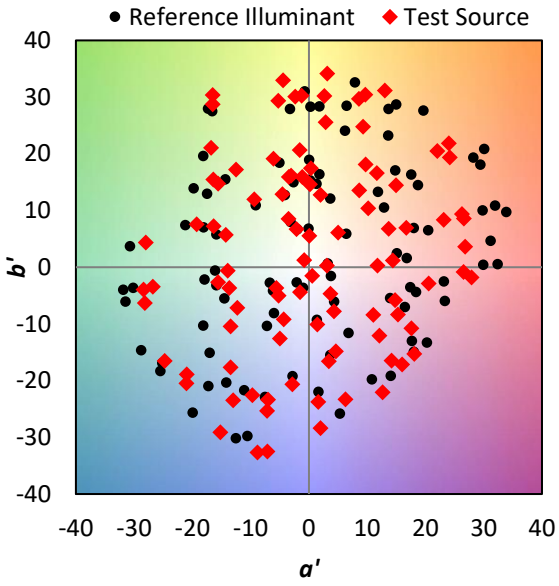
Summary

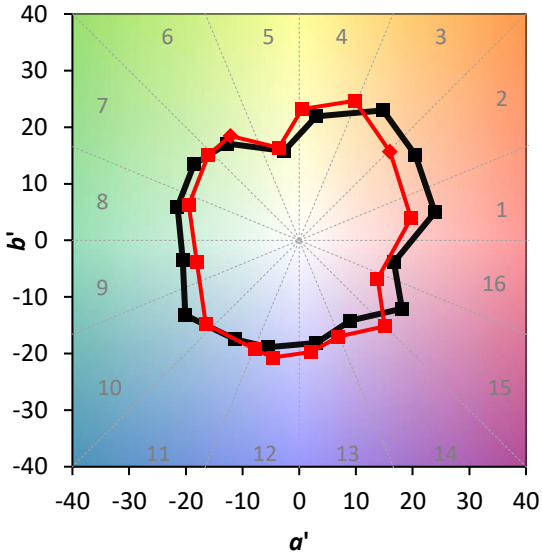
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

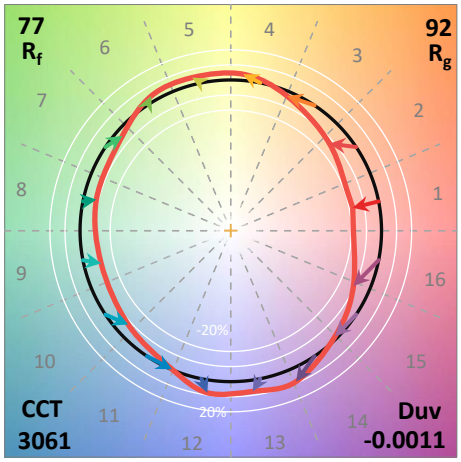
Spectral Power Distribution Comparison

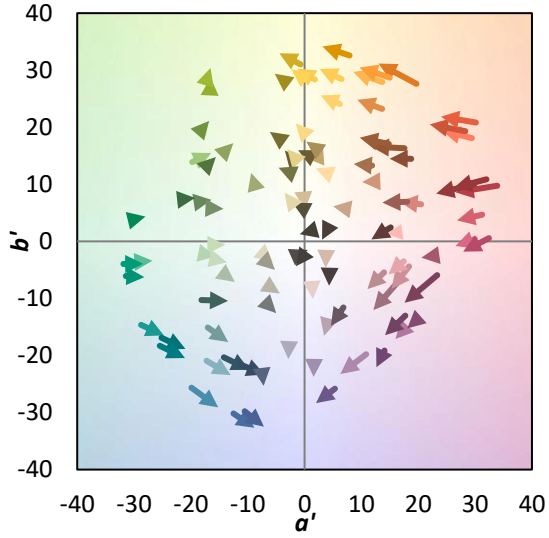


Color Vector Graphics







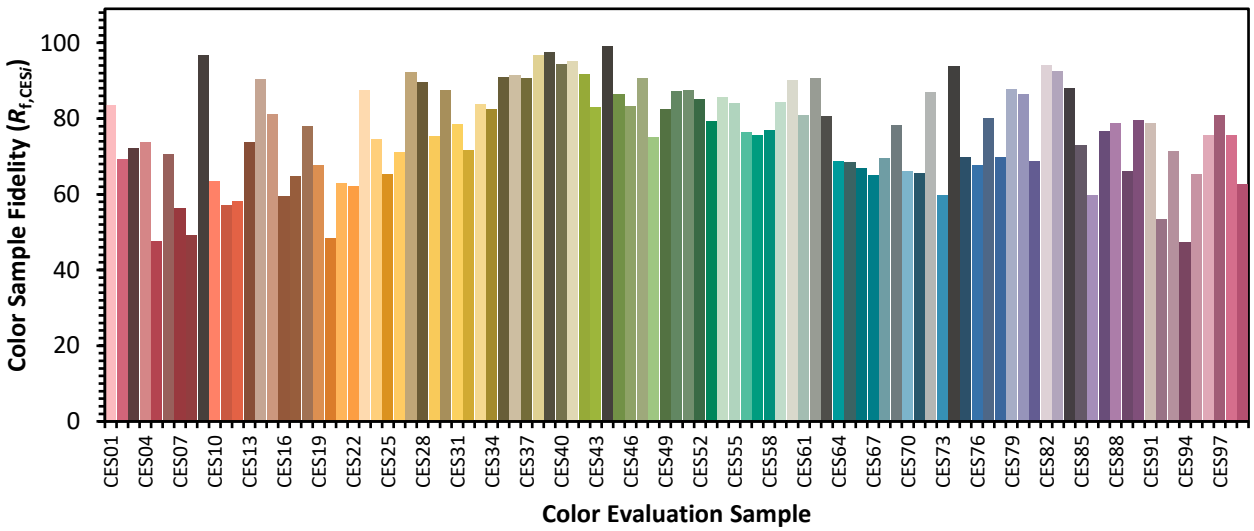


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

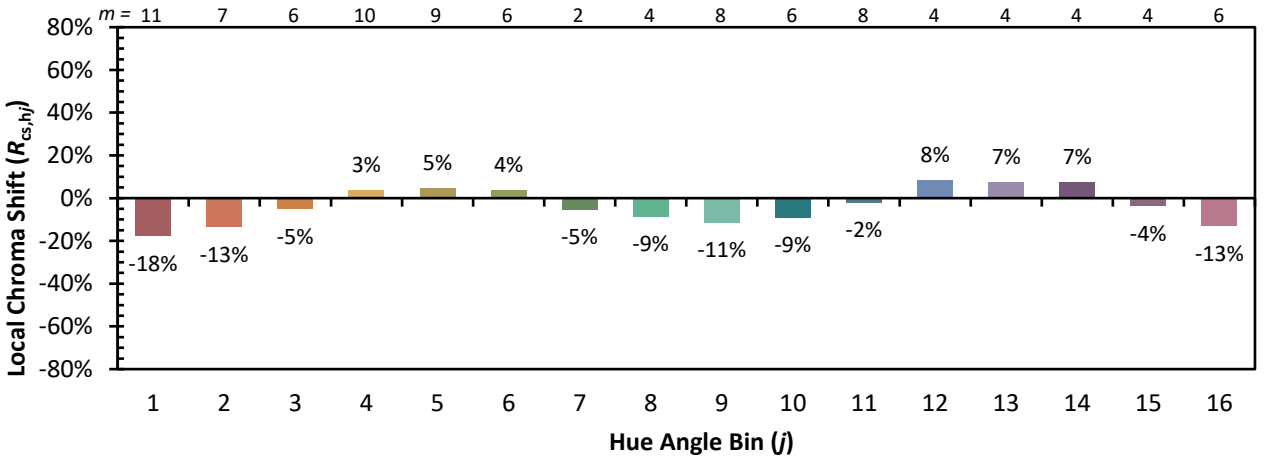
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

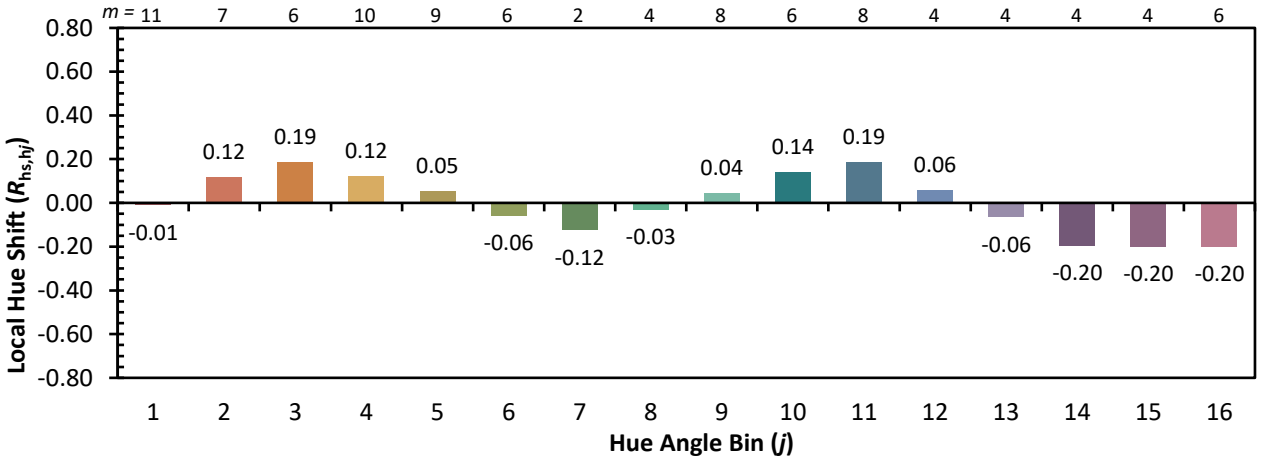


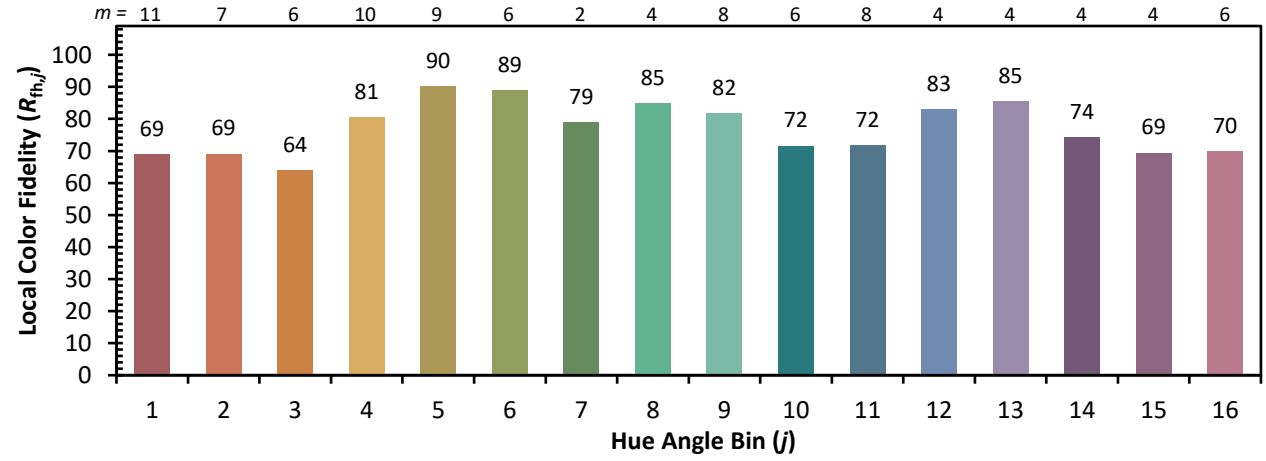
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Color Rendition by Hue-Angle Bin



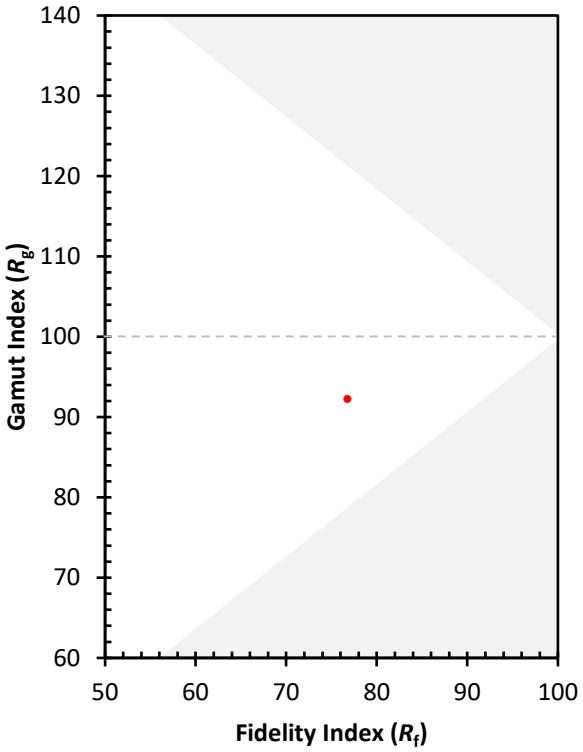


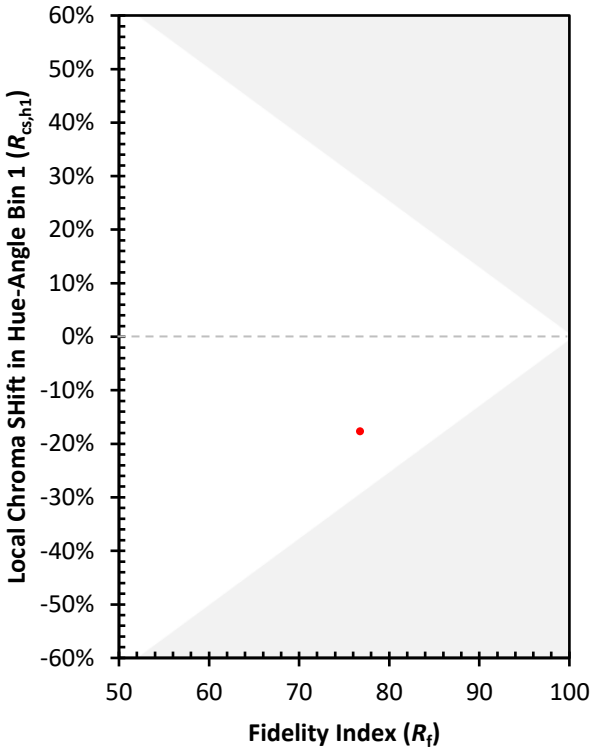


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Measure Comparisons





(END OF REPORT)