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: P981431

Luminaire Tested: **FFX-CLB-30-730-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981431
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-730-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4799.4 lumens
Efficiency:	N/A
Efficacy:	156.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G2

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

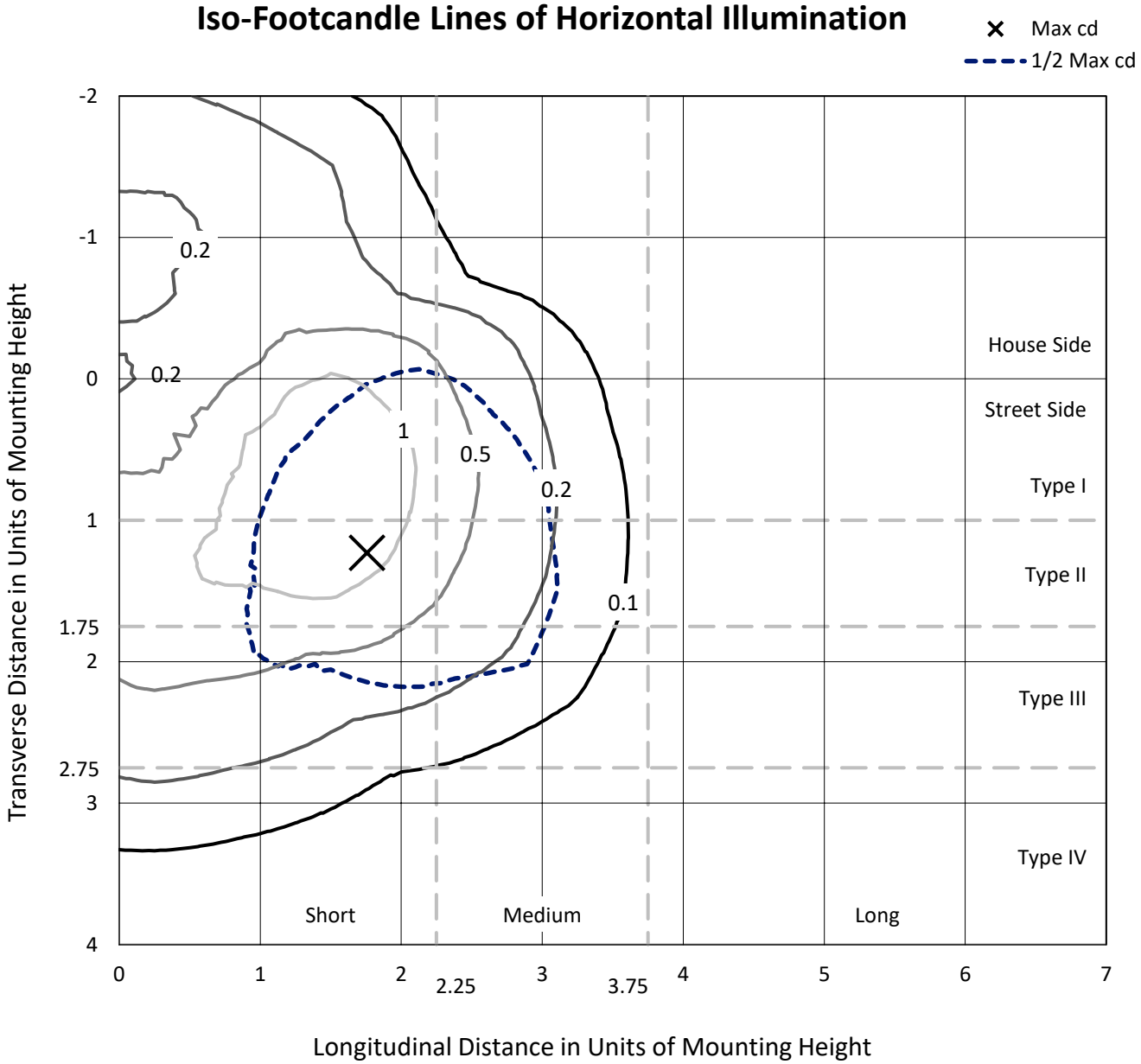


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Iso-Footcandle Lines of Horizontal Illumination



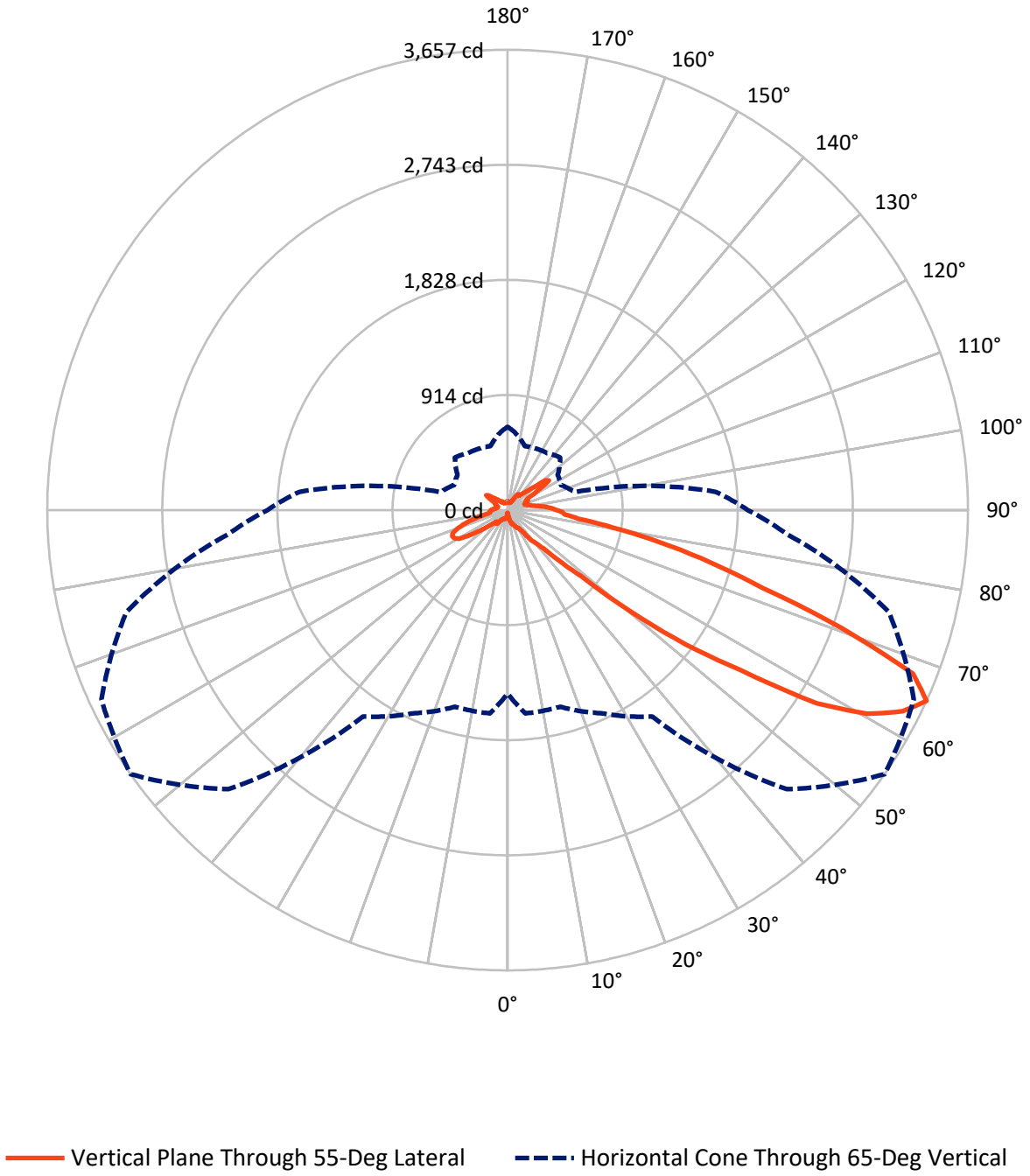
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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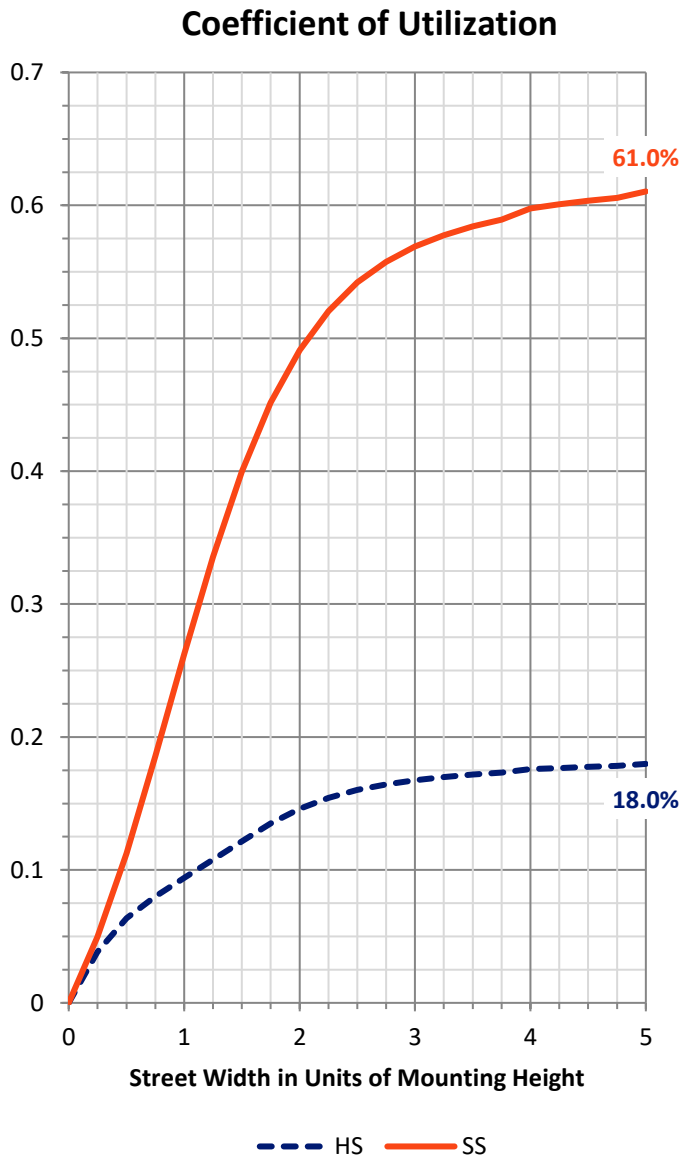
REPORT NUMBER: P981431
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	899.6	322.3	1221.9
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	3024.6	552.9	3577.5
	% Fixture	63.0	11.5	74.5
Total	Lumens	3924.3	875.2	4799.4
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	24.4	0.5
20°-30°	50.1	1.0
30°-40°	104.9	2.2
40°-50°	277.1	5.8
50°-60°	922.0	19.2
60°-70°	1487.3	31.0
70°-80°	780.2	16.3
80°-90°	273.8	5.7
90°-100°	176.7	3.7
100°-110°	114.6	2.4
110°-120°	125.7	2.6
120°-130°	211.4	4.4
130°-140°	123.9	2.6
140°-150°	66.3	1.4
150°-160°	32.9	0.7
160°-170°	17.3	0.4
170°-180°	6.3	0.1
0°-90°	3924.3	81.8
0°-180°	4799.4	100.0



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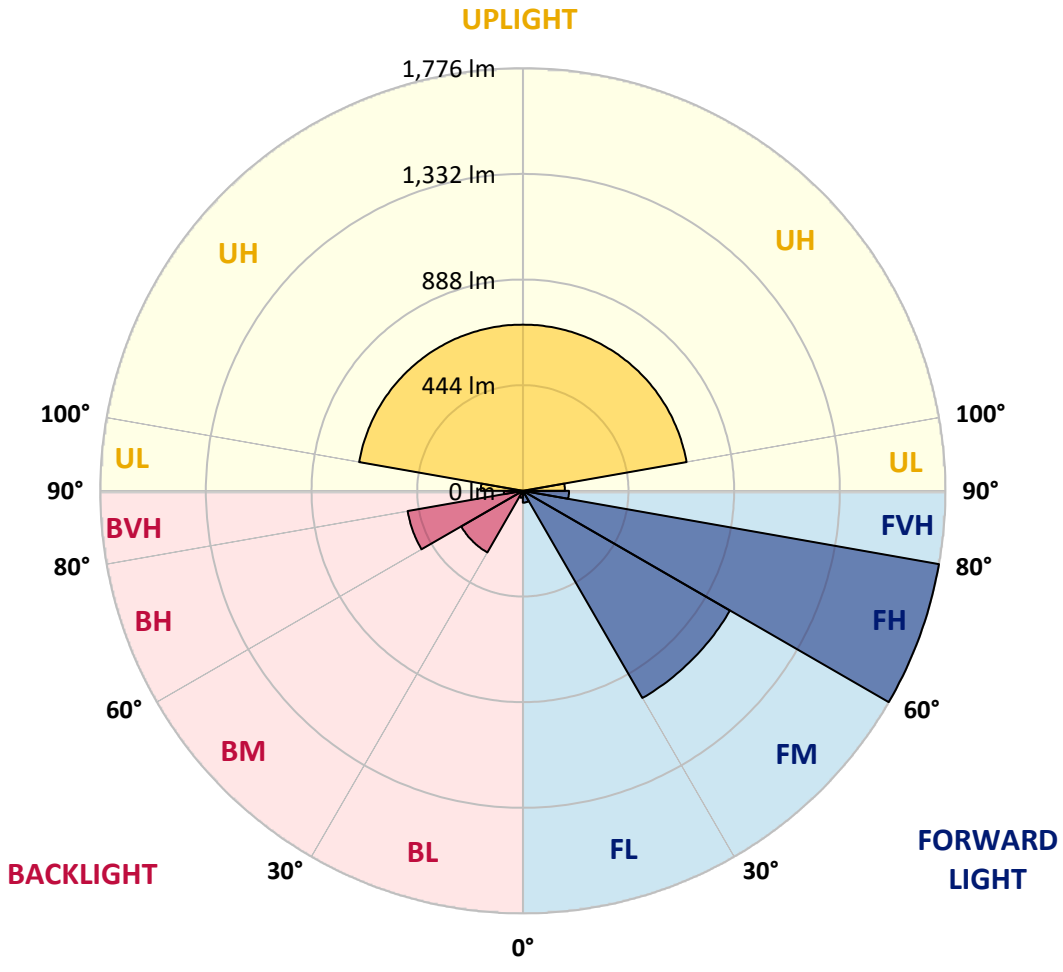
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	49.8	1.0			
FM	(30°-60°)	1005.1	20.9			
FH	(60°-80°)	1775.9	37.0			G1/1800
FVH	(80°-90°)	193.8	4.0			G2/225
BL	(0°-30°)	29.2	0.6	B0/110		
BM	(30°-60°)	298.9	6.2	B1/1000		
BH	(60°-80°)	491.6	10.2	B1/500		G1/500
BVH	(80°-90°)	79.9	1.7			G1/100
UL	(90°-100°)	176.7	3.7		U3/500	
UH	(100°-180°)	698.4	14.6		U4/1000	

BUG Rating: B1-U4-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	27.2	27.2	27.2	27.2	27.2	27.2	*27.2*	27.2	27.2	27.2	27.2
2.5°	27.2	27.8	29.4	30.0	30.3	29.7	*28.4*	29.7	29.7	29.7	29.4
5°	39.5	39.5	39.5	40.5	40.8	41.4	*40.8*	39.2	37.9	36.7	36.3
7.5°	55.3	55.9	56.3	56.3	56.3	57.5	*58.8*	55.9	53.4	50.9	50.3
10°	79.3	77.7	76.2	76.8	75.5	73.0	*74.3*	72.1	66.4	64.5	64.5
12.5°	101.4	101.1	101.8	98.3	96.4	91.0	*91.7*	90.4	86.3	79.6	77.4
15°	113.8	114.7	114.4	115.7	112.8	105.2	*103.3*	104.0	100.2	93.9	90.7
17.5°	120.1	120.1	120.4	122.0	122.0	114.7	*111.6*	110.0	106.8	101.4	97.3
20°	123.3	123.3	122.9	125.2	129.6	125.5	*121.0*	118.5	115.7	107.1	100.8
22.5°	132.1	131.5	130.5	131.2	137.8	136.5	*133.1*	129.3	125.2	112.2	104.3
25°	141.3	141.6	138.7	139.7	146.3	148.2	*145.4*	141.6	136.8	117.3	109.4
27.5°	151.7	151.4	147.6	148.9	152.3	159.3	*155.8*	153.9	146.0	121.4	113.8
30°	161.2	159.6	155.8	159.0	159.0	170.0	*166.9*	167.8	158.0	128.9	120.7
32.5°	168.1	167.8	165.6	169.7	167.5	181.7	*180.8*	188.7	174.1	143.8	136.2
35°	183.9	184.3	193.4	201.3	197.5	218.4	*222.8*	232.9	215.2	180.8	172.6
37.5°	297.7	293.9	281.3	266.7	268.6	307.5	*302.1*	307.5	280.3	230.7	217.8
40°	313.5	314.5	299.9	288.9	287.3	336.9	*345.1*	388.7	331.8	276.5	250.9
42.5°	305.3	308.5	348.3	362.5	349.9	413.1	*415.6*	499.7	387.2	341.0	307.2
45°	387.2	387.8	396.0	405.2	406.7	564.1	*573.0*	665.9	492.4	429.5	372.3
47.5°	440.6	445.6	457.0	519.6	552.8	721.2	*780.3*	927.9	655.8	585.6	472.8
50°	622.9	636.8	693.1	746.8	798.6	1069.5	*1268.3*	1444.3	985.1	858.4	687.1
52.5°	759.1	809.1	872.0	1001.5	1056.2	1461.7	*1773.9*	1883.0	1379.8	1163.3	936.1
55°	877.3	969.0	1036.9	1249.0	1353.0	1905.7	*2238.8*	2254.6	1851.7	1420.0	1200.3
57.5°	1120.7	1254.4	1298.6	1480.0	1624.8	2434.5	*2897.1*	2819.4	2333.3	1712.3	1482.2
60°	1349.8	1503.7	1487.3	1654.5	1846.0	2889.2	*3286.8*	3247.3	2784.6	1989.2	1728.7
62.5°	1424.4	1580.5	1566.6	1742.3	1999.9	3101.3	*3520.7*	3455.3	3051.1	2162.4	1852.6
65°	*1456.9*	*1621.6*	*1617.8*	*1782.2*	*2001.8*	*3135.1*	*3656.9*	*3559.6*	*3134.8*	*2232.2*	*1907.0*
67.5°	1429.1	1585.9	1584.3	1735.7	1855.8	2889.9	*3472.7*	3329.2	2928.4	2067.9	1789.7
70°	1233.2	1342.2	1335.6	1428.5	1491.4	2297.0	*2818.1*	2709.7	2363.4	1699.4	1482.5
72.5°	1005.6	1037.9	1051.8	1104.9	1121.6	1681.0	*2113.4*	2027.1	1762.2	1272.7	1124.2
75°	803.1	804.6	819.2	837.8	832.1	1236.7	*1664.6*	1611.2	1299.6	949.4	852.7
77.5°	531.6	527.5	591.3	598.9	562.6	787.9	*1243.0*	1205.4	930.1	691.8	623.5
80°	305.0	306.2	349.9	377.4	362.8	500.6	*851.7*	843.5	638.7	484.2	428.2
82.5°	227.5	238.3	261.7	276.2	270.5	376.4	*566.7*	582.1	453.8	348.3	318.3
85°	253.5	259.5	262.0	262.9	256.0	352.1	*457.6*	456.7	381.5	292.3	282.2
87.5°	246.8	251.9	254.1	255.4	248.4	336.6	*432.3*	426.0	366.0	281.0	266.1
90°	207.6	219.3	219.0	230.1	222.2	295.8	*379.2*	375.1	332.2	258.8	241.5
92.5°	174.1	180.8	185.2	200.4	193.4	260.4	*341.0*	331.5	297.4	235.5	216.8
95°	162.8	168.8	172.2	180.8	172.2	225.0	*287.3*	278.7	246.8	196.3	178.2
97.5°	137.2	139.1	142.2	147.9	142.2	182.4	*232.6*	224.4	198.2	160.2	147.6
100°	116.3	118.2	122.3	126.4	123.6	156.1	*194.7*	190.3	170.3	139.4	130.8
102.5°	110.0	111.2	116.6	119.1	115.7	143.5	*171.9*	171.9	154.2	128.6	121.7
105°	104.9	106.5	110.6	111.6	109.0	132.1	*158.7*	157.1	143.2	120.4	113.8
107.5°	99.9	101.8	105.2	103.7	102.4	121.7	*142.5*	145.1	133.1	114.4	110.0
110°	105.2	105.9	108.7	106.2	108.4	121.0	*143.2*	143.8	140.3	124.8	120.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	143.2	139.7	145.7	136.2	143.5	152.3	*166.2*	171.3	167.2	149.5	145.4
115°	156.8	159.3	165.6	156.1	160.9	171.6	*178.2*	179.2	174.5	163.1	161.5
117.5°	122.3	134.9	128.3	134.0	135.9	150.8	*165.9*	170.3	165.9	150.1	159.9
120°	156.4	166.6	143.8	136.8	146.3	172.2	*186.1*	189.9	177.9	178.2	184.3
122.5°	259.5	265.2	279.4	286.6	275.6	291.4	*296.1*	299.6	281.3	259.8	249.0
125°	393.8	389.7	387.8	385.9	383.0	399.8	*403.0*	394.1	375.8	345.7	329.0
127.5°	356.2	359.7	365.0	364.4	361.9	374.8	*382.7*	377.4	372.3	343.5	333.7
130°	256.3	257.9	267.4	284.4	282.5	293.0	*293.9*	299.3	307.8	295.2	285.1
132.5°	212.4	214.0	228.2	235.8	236.4	236.7	*232.3*	244.6	253.5	240.8	232.3
135°	185.2	185.2	188.4	185.5	186.5	194.7	*198.5*	209.5	211.7	205.7	197.2
137.5°	163.7	164.3	157.7	152.3	153.3	168.1	*176.7*	185.2	180.8	168.4	162.4
140°	142.5	139.1	129.9	128.3	135.3	149.5	*154.5*	160.5	161.8	146.0	138.1
142.5°	104.9	103.7	107.8	116.3	120.1	143.8	*140.0*	151.4	152.0	125.5	112.5
145°	117.3	116.9	116.6	118.2	127.0	161.5	*152.3*	166.9	173.8	133.4	109.0
147.5°	132.4	132.1	129.3	125.8	139.1	147.6	*139.4*	152.0	159.6	132.4	105.6
150°	102.4	103.0	101.4	100.5	115.0	113.5	*111.6*	115.0	118.2	109.7	96.1
152.5°	79.6	78.4	77.4	77.7	89.8	87.9	*87.9*	90.4	90.7	87.5	80.6
155°	71.7	71.4	70.8	72.1	79.3	77.4	*75.8*	75.2	73.6	72.7	71.7
157.5°	67.3	66.7	66.7	68.6	73.6	70.5	*69.8*	69.2	68.3	68.3	68.6
160°	62.9	62.6	62.6	65.4	67.0	64.2	*63.5*	63.2	62.9	63.5	64.2
162.5°	60.4	60.4	60.4	62.3	62.3	60.4	*59.7*	59.4	59.7	61.9	62.3
165°	59.4	59.1	59.4	60.4	60.0	58.8	*58.5*	58.5	59.4	61.3	61.6
167.5°	61.0	61.0	61.0	61.3	61.0	59.7	*59.4*	59.4	60.4	61.9	61.9
170°	63.5	63.2	63.2	63.2	62.9	61.6	*61.0*	61.3	61.6	62.6	62.6
172.5°	65.7	65.7	65.4	65.1	64.5	63.8	*63.2*	63.2	63.2	63.5	63.5
175°	68.3	68.3	68.3	67.9	67.9	67.0	*66.7*	66.4	66.1	65.7	65.4
177.5°	71.1	70.8	70.8	70.8	70.8	69.8	*69.2*	68.9	68.3	67.9	67.9
180°	69.8	69.8	69.8	69.8	69.8	69.8	*69.8*	69.8	69.8	69.8	69.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
2.5°	29.4	28.4	26.9	24.0	23.1	22.1	21.2	19.3	18.3	17.7
5°	36.0	34.8	34.4	32.9	30.7	28.8	28.4	27.8	27.5	26.5
7.5°	51.5	52.1	53.7	50.9	44.6	41.1	42.0	45.5	44.2	43.9
10°	64.8	68.9	72.1	64.8	53.4	46.1	46.5	53.4	54.0	55.3
12.5°	75.8	79.3	78.7	69.5	58.8	51.8	49.6	53.4	56.9	57.2
15°	87.9	81.9	79.6	72.1	64.5	59.1	58.2	59.1	59.1	58.5
17.5°	92.9	82.5	76.2	69.8	64.5	60.7	59.4	57.8	55.6	55.6
20°	94.2	85.0	77.7	71.1	65.7	61.6	58.2	56.3	55.6	55.6
22.5°	98.0	89.8	82.2	74.3	68.6	63.2	59.1	57.2	57.2	57.5
25°	103.3	95.8	86.3	78.1	72.1	66.4	61.0	58.2	57.8	58.2
27.5°	110.0	102.1	91.7	82.8	75.8	69.5	62.9	59.4	58.2	58.2
30°	117.6	108.4	96.7	86.9	79.3	73.6	65.4	60.7	59.1	58.5
32.5°	131.2	120.7	103.0	92.3	83.8	77.4	69.2	63.2	60.0	59.4
35°	164.7	148.5	125.5	105.9	92.9	81.9	72.1	64.8	60.7	60.0
37.5°	201.0	176.7	154.9	133.1	114.1	96.1	77.4	67.3	62.3	61.3
40°	223.8	191.8	172.6	140.0	137.5	122.6	95.1	74.3	65.4	64.2
42.5°	270.5	222.8	192.2	123.6	134.3	137.5	120.1	93.2	74.0	71.7
45°	325.8	262.0	215.5	132.1	138.4	134.6	122.9	108.1	92.3	87.9
47.5°	422.2	299.0	223.8	153.3	158.3	147.9	130.5	115.0	103.3	101.8
50°	609.3	407.7	251.9	188.4	203.5	174.5	152.0	140.0	124.2	122.3
52.5°	850.2	490.8	282.9	243.7	278.1	242.1	205.7	181.4	177.9	179.2
55°	1111.2	516.4	323.6	301.2	361.6	327.7	286.0	262.6	285.7	293.0
57.5°	1370.0	555.0	382.7	375.8	452.6	401.1	368.2	378.3	474.4	497.4
60°	1573.9	587.8	432.7	447.5	542.6	486.7	472.8	487.7	652.6	713.9
62.5°	1653.8	573.0	458.6	477.9	585.0	546.8	542.0	556.2	695.3	755.7
65°	*1659.8*	*550.2*	*468.7*	*486.1*	*591.6*	*550.9*	*537.9*	*525.9*	*622.6*	*660.8*
67.5°	1536.0	504.7	456.4	474.4	562.2	508.2	481.3	454.2	503.8	524.9
70°	1238.2	447.5	417.8	428.2	472.8	422.9	386.2	367.6	385.3	383.7
72.5°	938.0	394.1	375.5	365.0	386.2	345.7	305.3	287.3	303.1	299.0
75°	716.5	351.8	334.4	299.6	320.1	265.5	220.9	208.6	216.2	213.3
77.5°	517.0	281.9	258.8	220.6	247.1	193.1	148.2	139.4	141.3	135.3
80°	372.3	210.2	187.7	160.5	181.7	138.1	110.0	108.1	109.0	102.7
82.5°	292.3	168.4	153.6	139.1	145.7	124.8	105.9	104.0	104.9	98.0
85°	272.4	165.0	149.5	140.0	142.2	122.9	102.7	102.1	103.7	96.1
87.5°	256.9	163.4	151.1	137.5	132.1	112.8	95.1	98.0	102.4	94.5
90°	226.6	152.3	141.6	129.3	123.6	105.9	95.1	99.2	98.9	93.2
92.5°	199.7	135.9	127.4	120.4	119.1	107.8	99.6	103.3	104.6	98.9
95°	163.7	114.7	110.6	108.4	110.3	99.2	92.3	94.2	92.9	89.8
97.5°	139.4	104.6	101.8	98.6	96.7	88.8	82.8	85.3	86.6	83.8
100°	126.1	99.6	97.3	93.9	93.5	88.2	85.0	90.1	93.9	92.3
102.5°	117.9	94.5	91.7	88.5	87.5	83.1	80.6	83.8	87.2	84.1
105°	111.9	89.8	85.3	82.5	80.9	77.7	74.6	75.8	79.6	78.1
107.5°	106.2	89.4	82.5	80.3	80.3	76.2	71.7	72.1	74.0	73.6
110°	115.0	99.2	86.6	83.4	82.5	81.2	78.1	74.9	72.4	72.4

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

Scaled Data Report

REPORT NUMBER: P981431
CATALOG NUMBER: FFX-CLB-30-730-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	137.8	121.7	108.7	98.6	94.5	89.8	83.1	78.4	74.9	74.0
115°	147.9	130.5	118.2	107.1	97.7	88.5	82.8	79.3	77.4	79.3
117.5°	139.4	115.4	113.8	102.4	93.5	86.3	84.7	79.0	82.2	82.2
120°	156.8	134.0	130.5	114.1	101.8	92.6	91.7	90.7	87.2	85.6
122.5°	229.1	199.4	185.2	160.9	139.7	120.7	110.0	95.1	84.7	82.5
125°	311.3	272.1	238.0	205.7	173.8	140.0	111.6	89.4	78.7	77.1
127.5°	312.2	272.4	234.8	195.6	160.9	125.5	100.2	84.7	77.1	76.8
130°	274.6	239.9	198.5	159.6	131.5	108.1	89.8	77.1	71.7	70.2
132.5°	218.7	187.7	161.2	137.2	115.7	95.8	79.3	70.5	67.3	67.0
135°	183.9	157.1	138.4	120.7	104.0	86.3	71.1	66.7	65.1	64.5
137.5°	150.1	134.0	122.6	108.4	92.3	77.7	67.6	65.7	65.1	63.8
140°	130.2	119.5	107.1	91.3	79.0	67.0	61.6	63.2	64.8	64.5
142.5°	106.2	98.3	89.1	78.7	70.2	64.8	62.6	63.5	63.5	63.8
145°	100.8	90.4	85.3	79.0	73.3	69.2	63.8	61.9	61.6	61.6
147.5°	93.5	89.4	86.3	81.9	73.3	65.7	59.7	58.8	60.0	59.7
150°	87.5	84.7	80.9	74.0	65.4	60.4	57.2	57.5	59.7	60.0
152.5°	74.3	72.7	70.2	65.7	59.7	57.2	55.6	56.9	58.5	58.8
155°	66.1	65.1	64.5	61.6	57.8	56.3	55.6	56.6	58.2	58.5
157.5°	65.4	63.2	62.3	60.4	57.5	55.9	55.9	56.9	57.8	58.2
160°	63.5	60.7	60.4	58.5	57.8	56.9	57.5	57.8	58.8	58.5
162.5°	61.9	60.0	59.7	58.5	59.1	60.0	60.0	60.4	61.0	60.7
165°	61.3	59.7	59.4	59.4	61.3	62.9	63.2	62.9	62.9	62.9
167.5°	61.9	61.0	60.7	61.3	62.9	64.8	65.1	64.5	63.8	63.5
170°	62.9	62.6	62.9	63.2	64.2	65.4	65.4	64.8	64.8	64.8
172.5°	63.8	64.5	64.8	64.8	65.7	66.4	66.7	66.4	66.4	66.4
175°	65.7	66.1	66.1	66.4	67.3	67.9	68.6	68.6	68.6	68.6
177.5°	67.9	67.9	67.9	68.3	68.6	69.5	69.8	70.5	70.8	70.8
180°	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8

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: SP1-2501-332-4

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

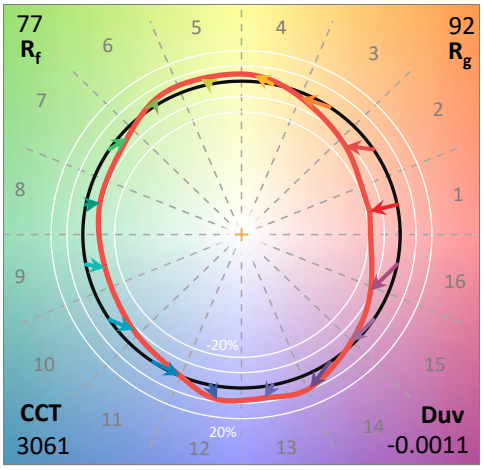
Test Information

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

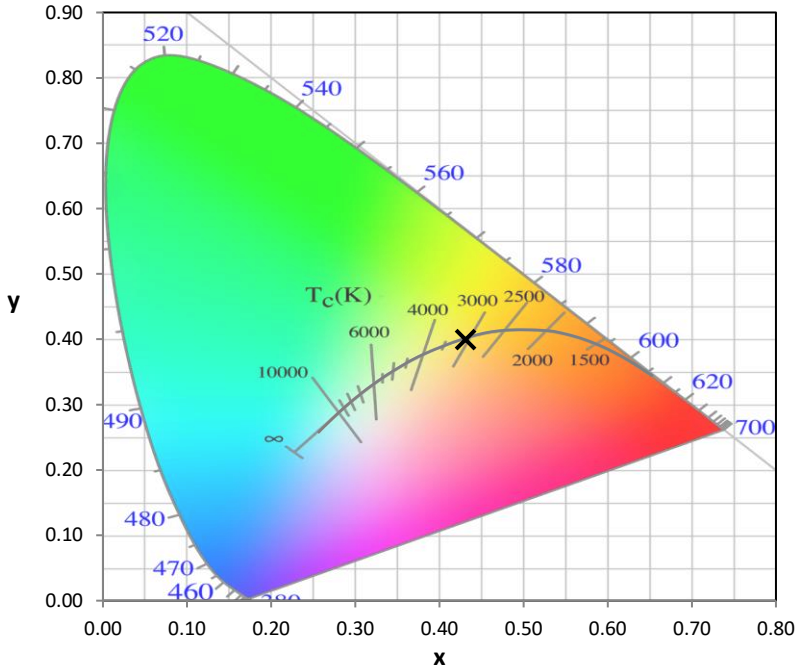
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

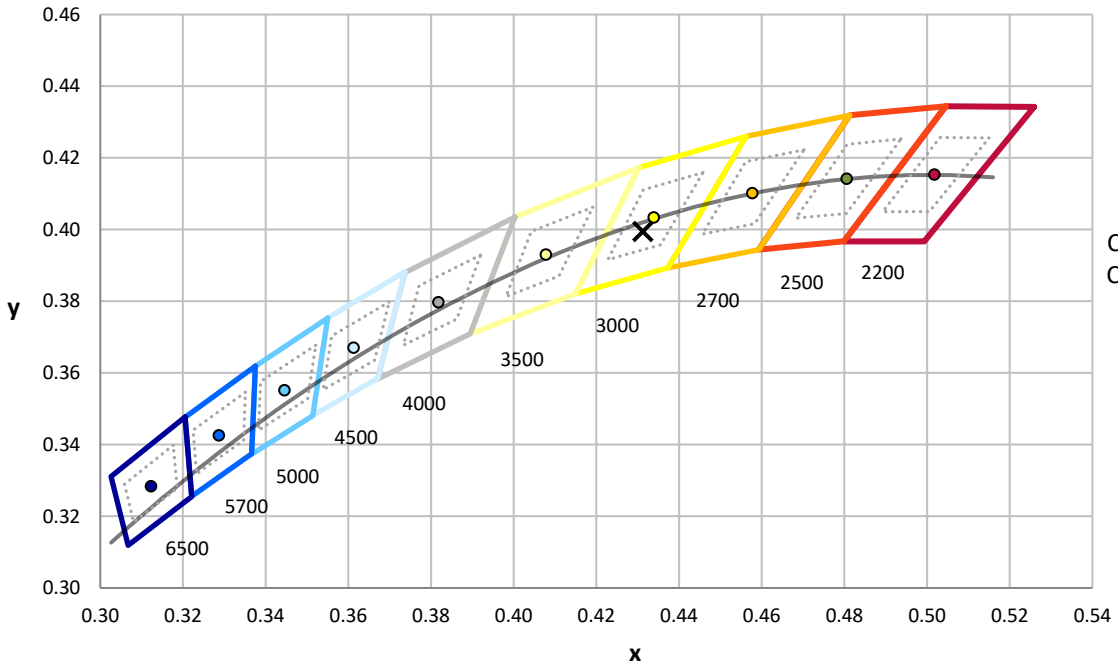
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

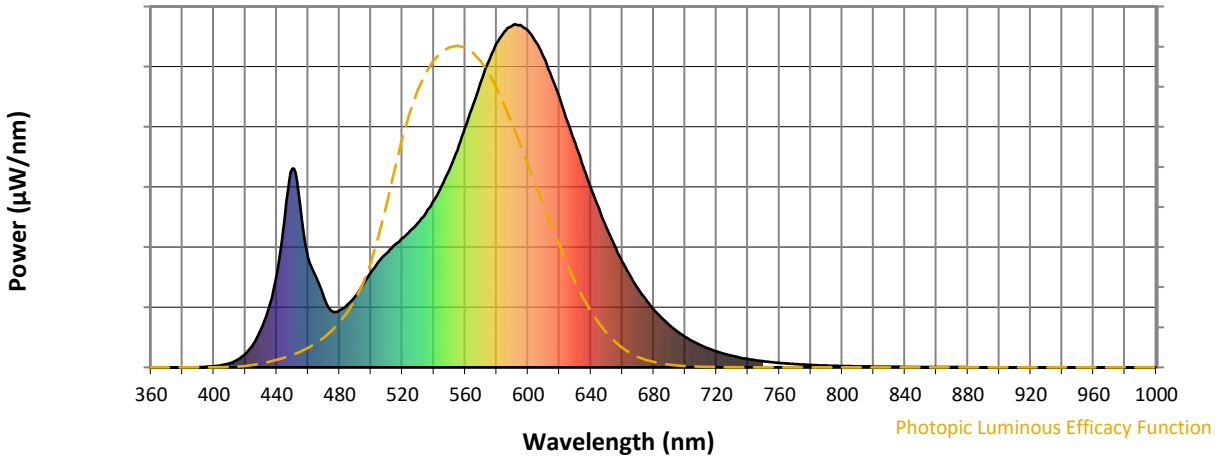


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

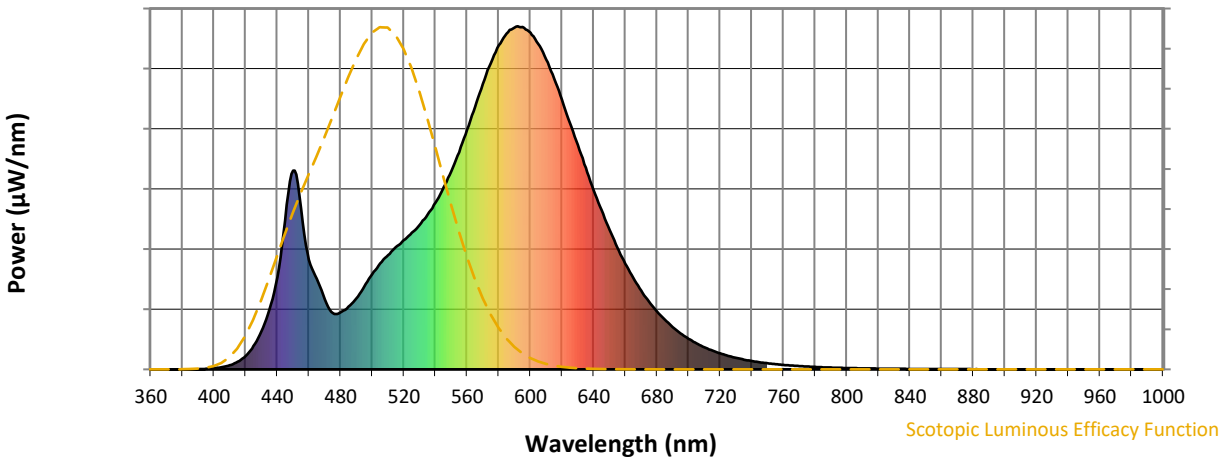


Photopic Lumens: NR

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

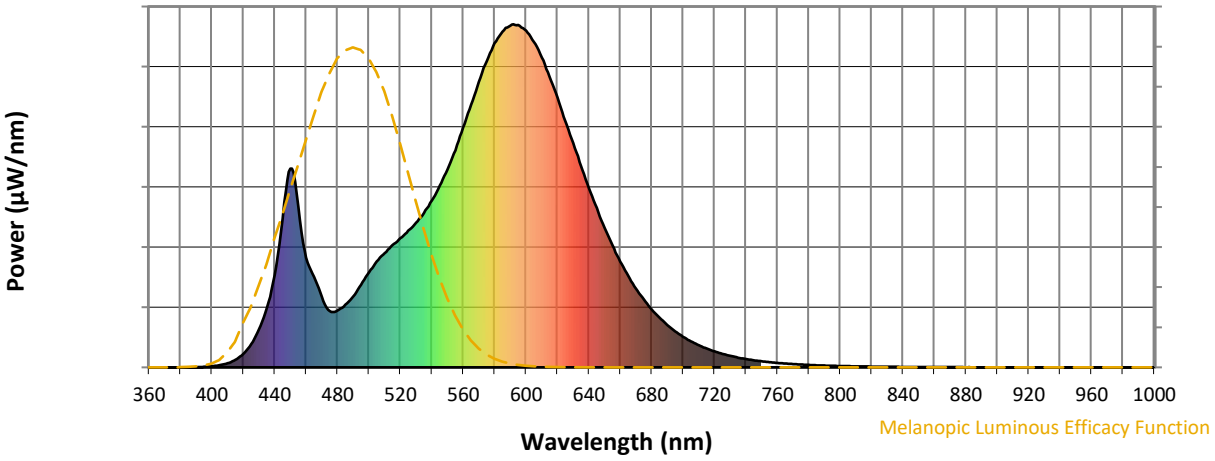


Scotopic Lumens: NR **S/P: 1.29**

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			

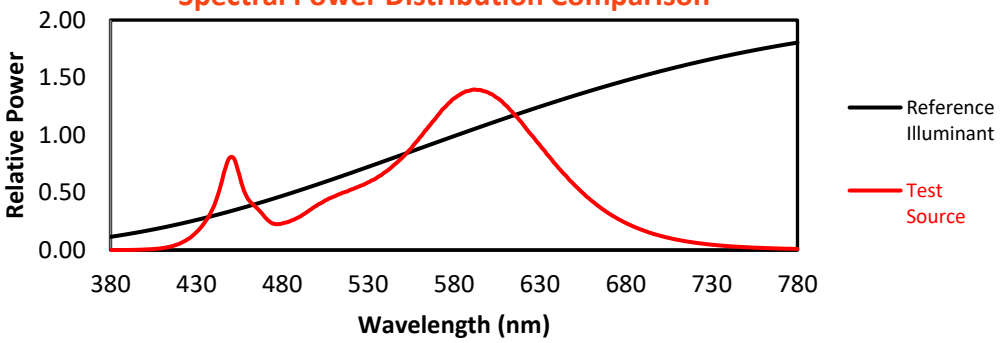
REPORT NUMBER: SP1-2501-332-4

TM-30-18

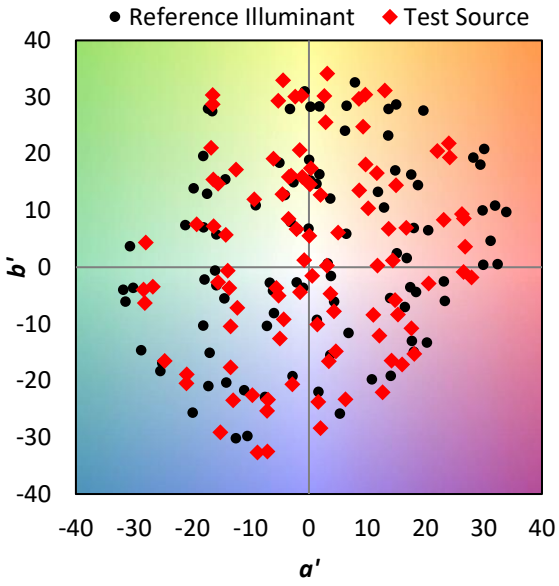
Summary

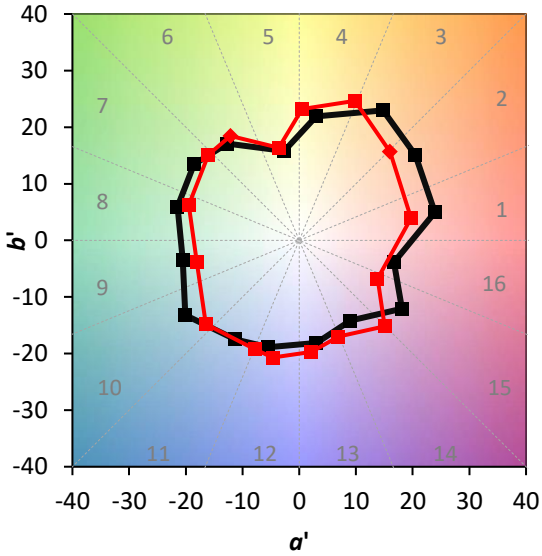
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

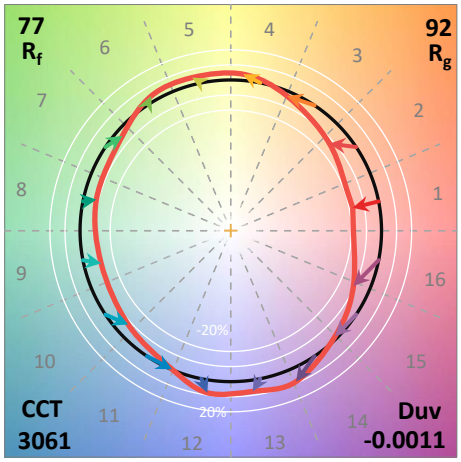
Spectral Power Distribution Comparison

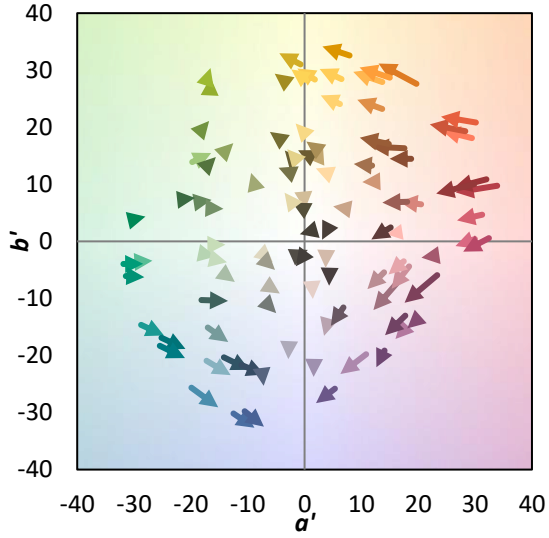


Color Vector Graphics







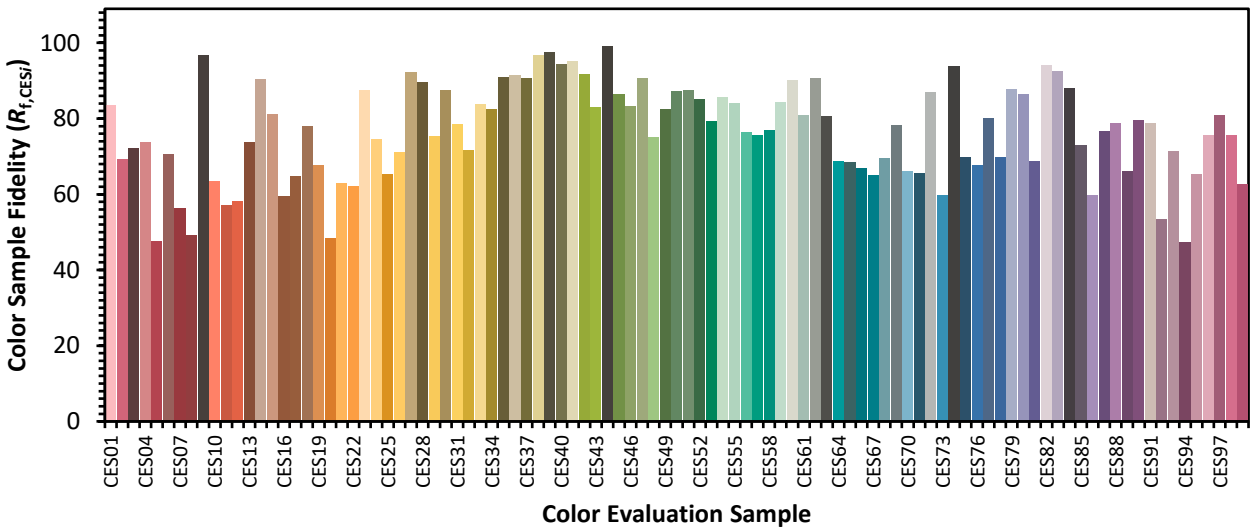


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

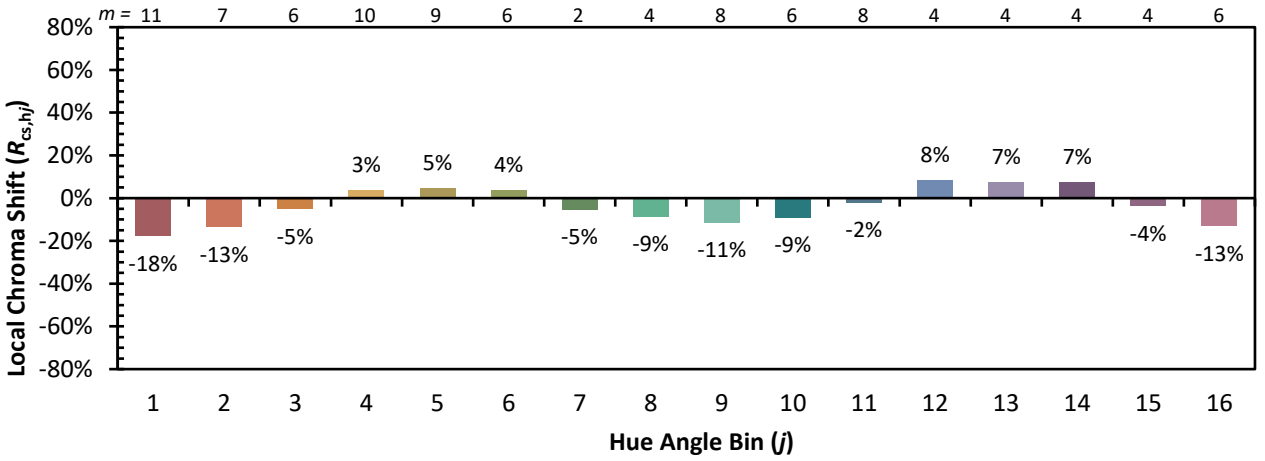
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

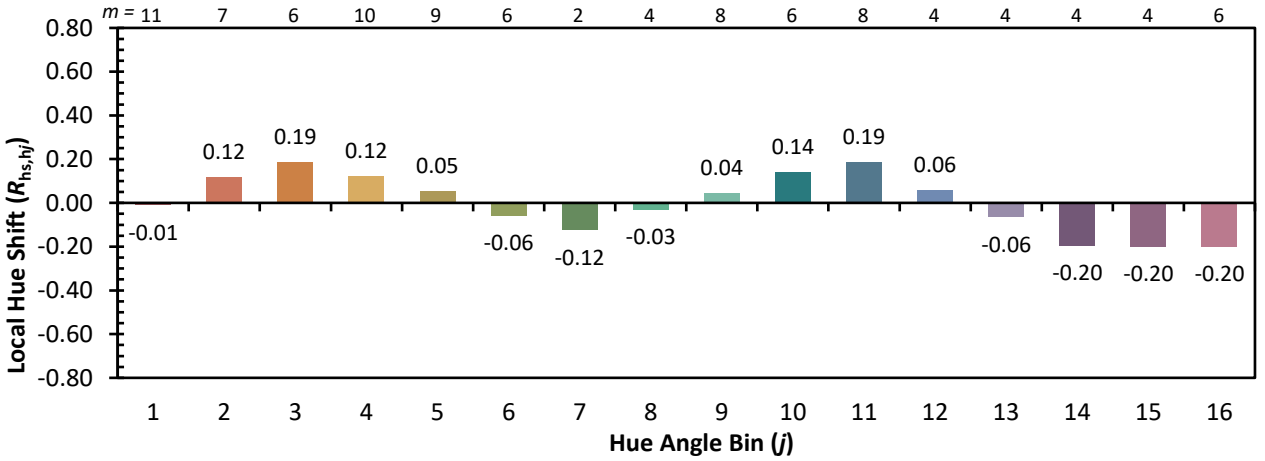


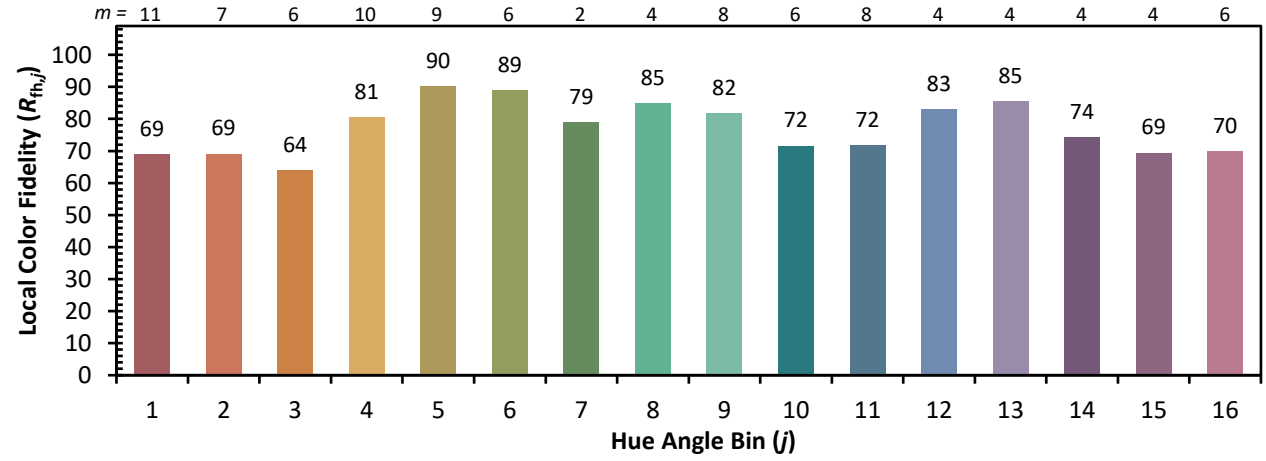
REPORT NUMBER: SP1-2501-332-4

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Color Rendition by Hue-Angle Bin



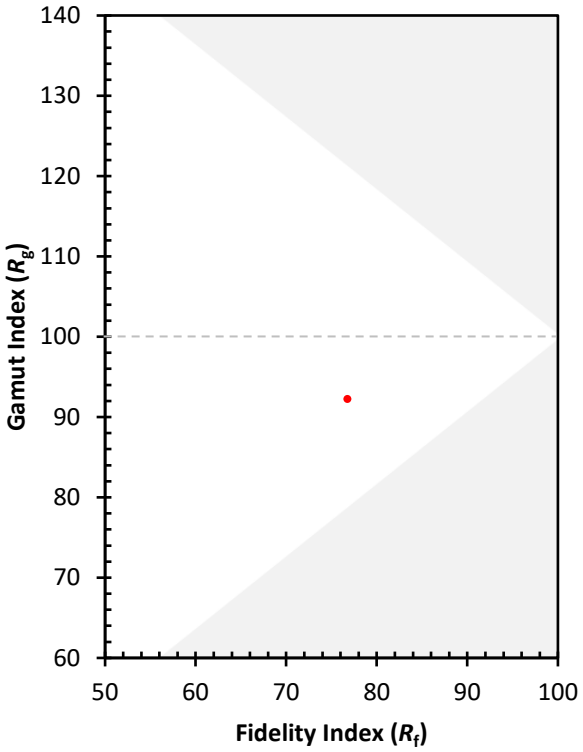


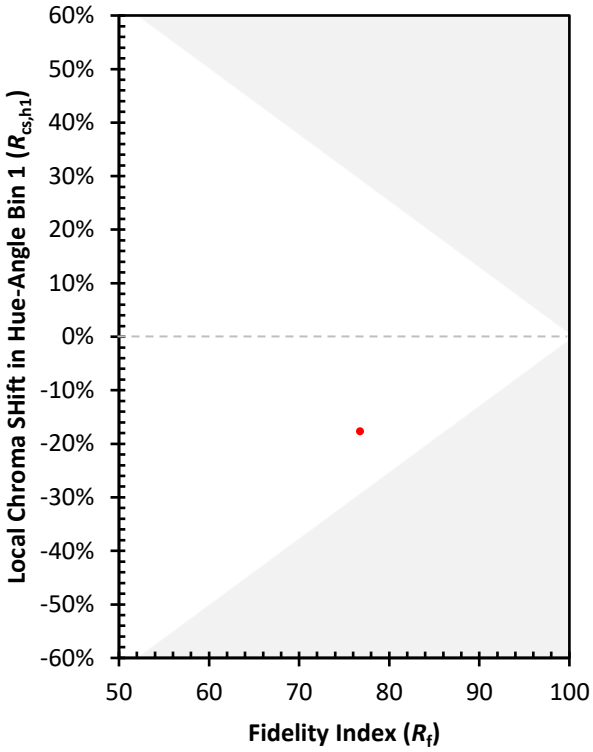


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Measure Comparisons





(END OF REPORT)