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: P981467

Luminaire Tested: **FFX-CLB-30-727-U-FR-T3-UPLR**

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:	P981467
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4419.6 lumens
Efficiency:	N/A
Efficacy:	144.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U3 - 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

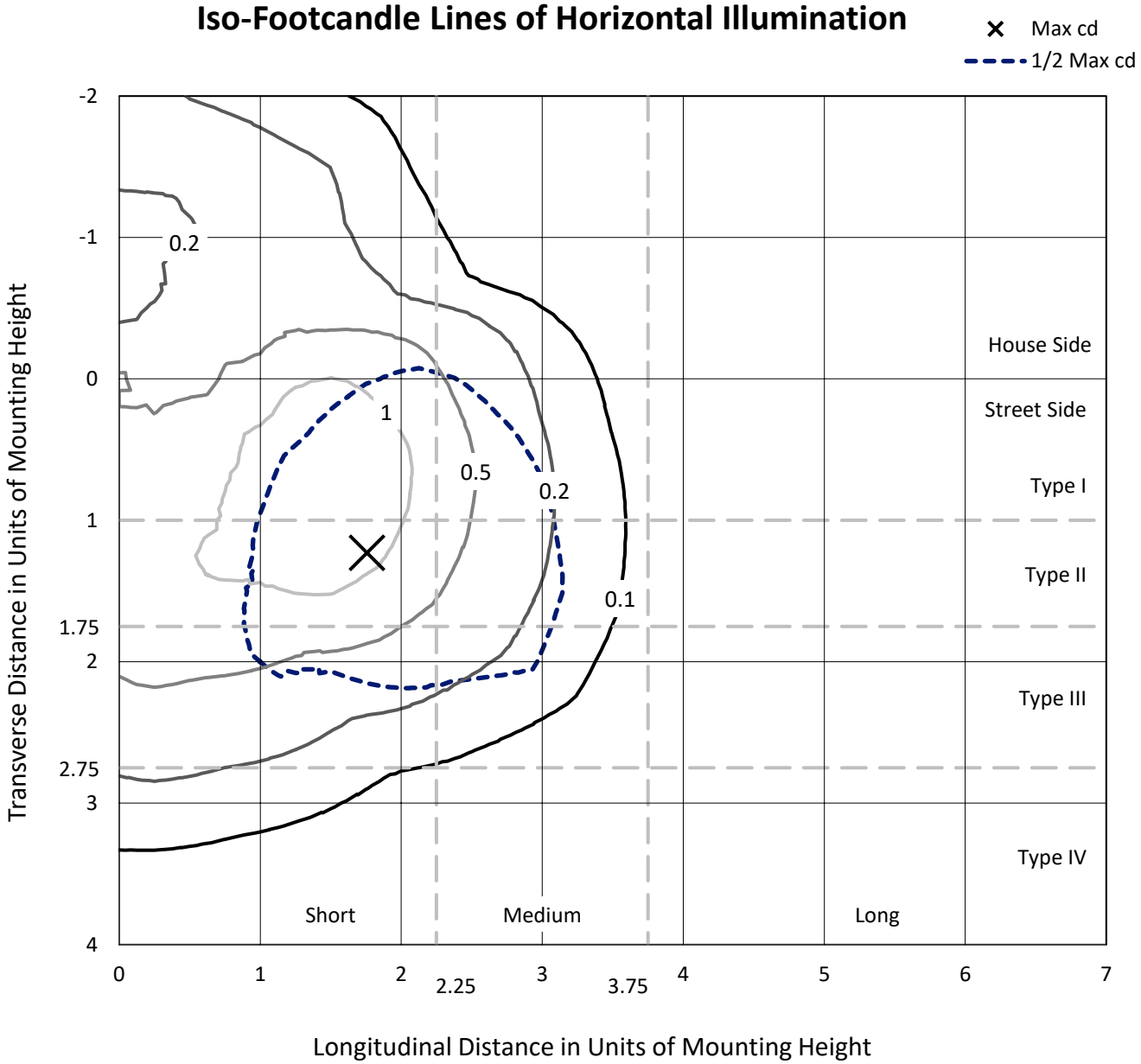


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REPORT NUMBER: P981467
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Iso-Footcandle Lines of Horizontal Illumination



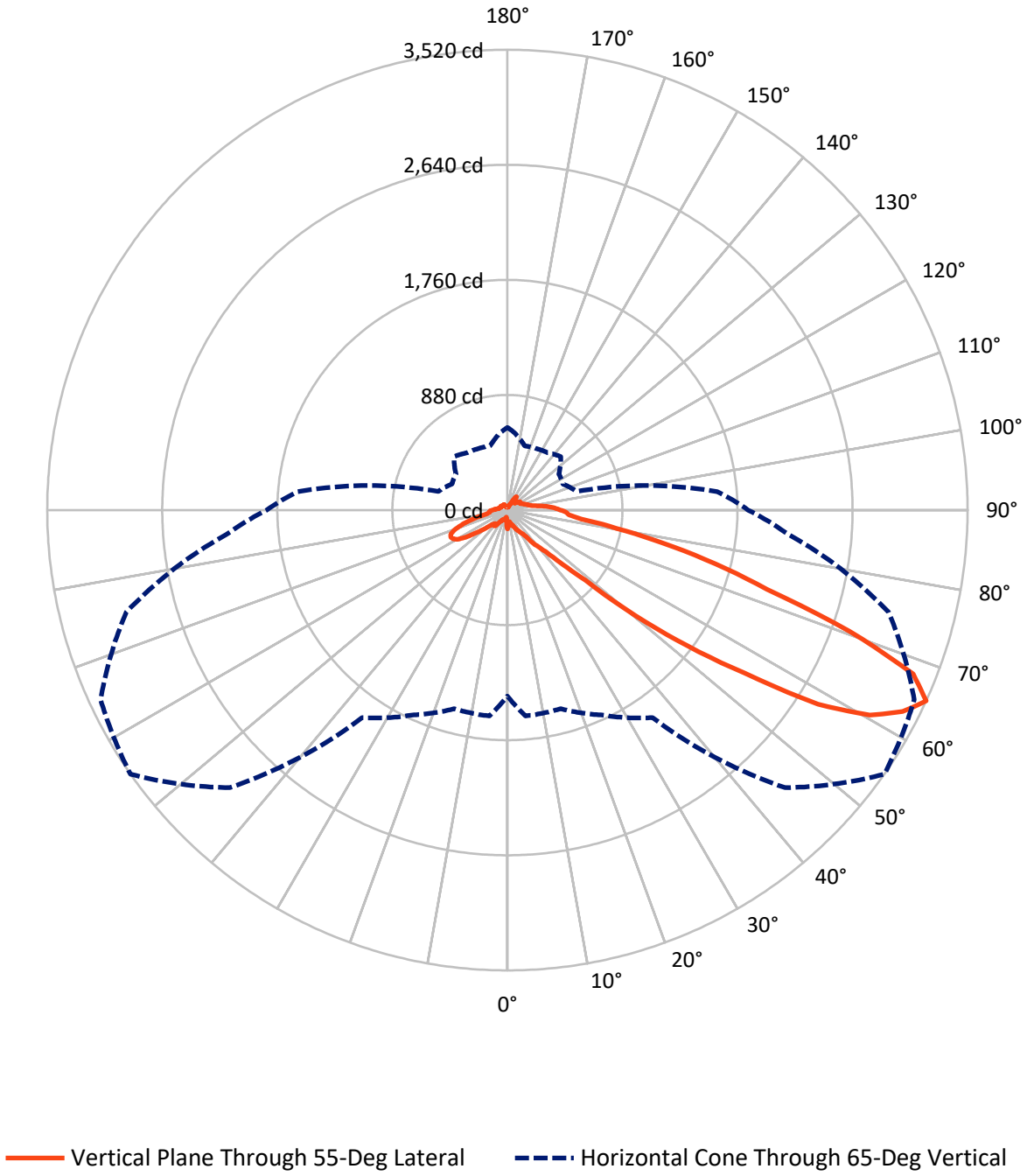
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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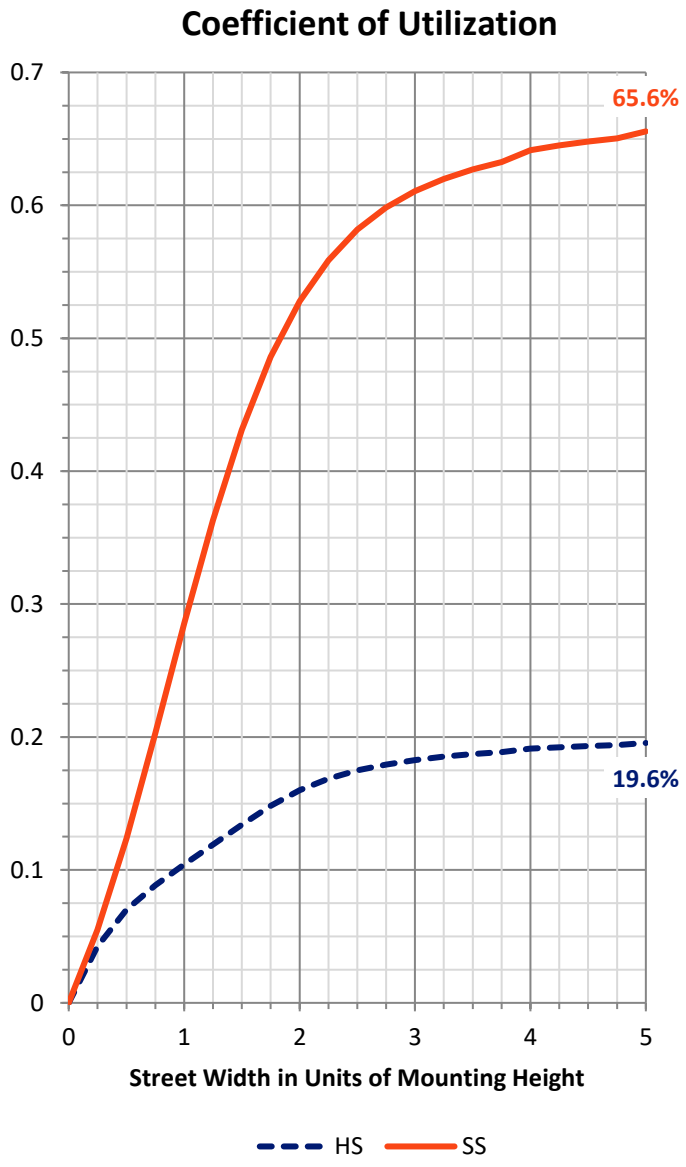
REPORT NUMBER: P981467
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	897.9	175.2	1073.0
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	2995.9	350.6	3346.6
	% Fixture	67.8	7.9	75.7
Total	Lumens	3893.8	525.8	4419.6
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	27.0	0.6
20°-30°	55.3	1.3
30°-40°	119.8	2.7
40°-50°	290.8	6.6
50°-60°	907.7	20.5
60°-70°	1442.4	32.6
70°-80°	768.7	17.4
80°-90°	273.9	6.2
90°-100°	166.6	3.8
100°-110°	98.7	2.2
110°-120°	77.0	1.7
120°-130°	64.2	1.5
130°-140°	46.9	1.1
140°-150°	43.2	1.0
150°-160°	19.5	0.4
160°-170°	7.4	0.2
170°-180°	2.2	0.0
0°-90°	3893.8	88.1
0°-180°	4419.6	100.0



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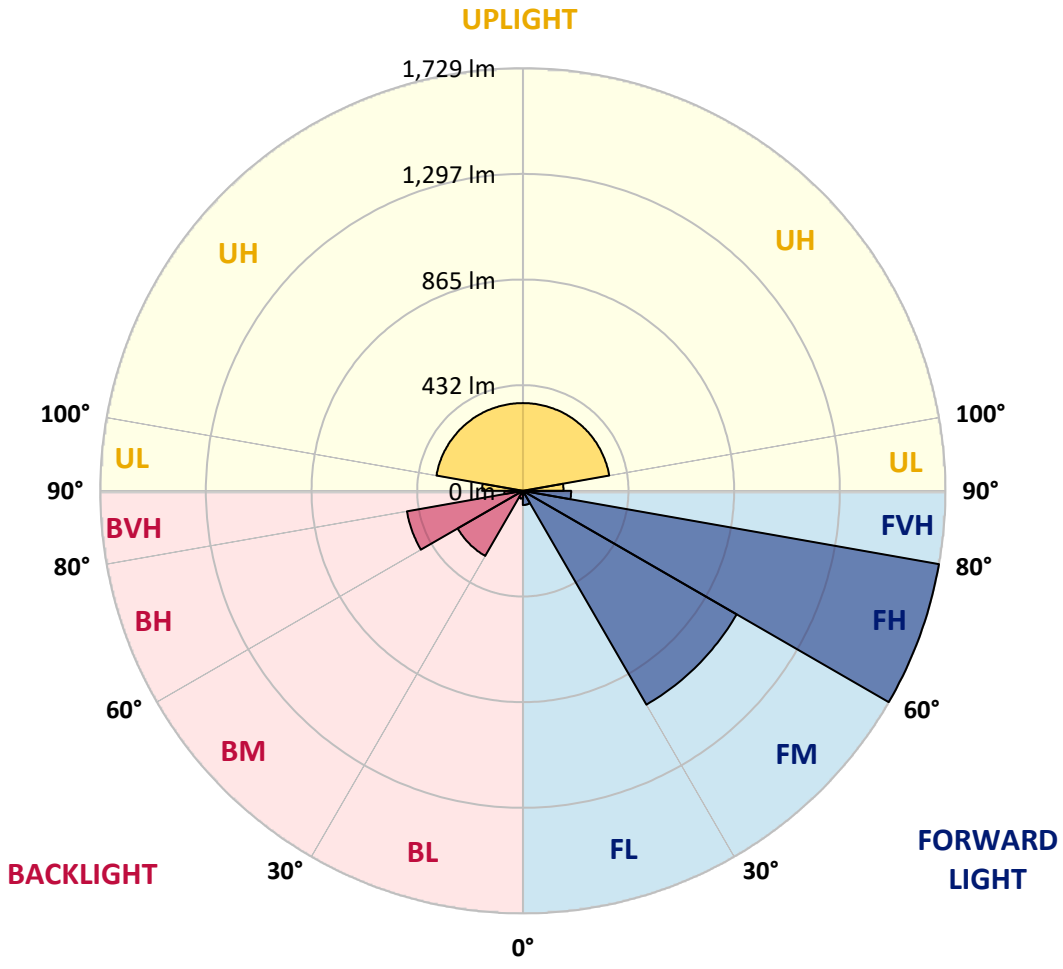
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	58.4	1.3			
FM	(30°-60°)	1010.6	22.9			
FH	(60°-80°)	1729.4	39.1			G1/1800
FVH	(80°-90°)	197.6	4.5			G2/225
BL	(0°-30°)	32.2	0.7	B0/110		
BM	(30°-60°)	307.7	7.0	B1/1000		
BH	(60°-80°)	481.7	10.9	B1/500		G1/500
BVH	(80°-90°)	76.3	1.7			G1/100
UL	(90°-100°)	166.6	3.8		U3/500	
UH	(100°-180°)	359.2	8.1		U3/500	

BUG Rating: B1-U3-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	143.4	143.4	143.4	143.4	143.4	143.4	*143.4*	143.4	143.4	143.4	143.4
2.5°	85.6	86.2	95.8	103.3	112.6	109.9	*109.9*	130.2	143.7	163.5	161.7
5°	91.6	87.7	89.5	96.1	108.7	114.7	*108.1*	85.6	70.9	76.9	84.1
7.5°	100.3	99.4	97.3	91.0	86.2	99.1	*117.1*	104.2	78.7	66.2	63.5
10°	102.7	103.0	102.4	103.0	105.4	99.7	*89.5*	81.4	79.0	77.8	76.9
12.5°	124.2	123.9	125.1	123.6	117.9	111.1	*113.2*	107.2	95.5	87.4	85.3
15°	144.9	144.3	144.0	138.3	129.0	117.9	*112.6*	115.3	107.8	98.5	94.3
17.5°	153.3	153.3	147.3	139.2	133.5	125.7	*121.5*	118.5	112.9	106.9	101.8
20°	150.0	149.7	143.7	140.4	141.0	137.4	*133.8*	129.3	123.6	114.1	107.8
22.5°	148.2	148.2	146.1	145.2	150.3	149.1	*148.2*	142.5	135.0	120.9	112.9
25°	159.9	159.0	156.3	156.3	161.1	164.9	*166.4*	162.0	149.7	128.4	120.9
27.5°	171.2	170.9	167.3	168.2	171.2	179.0	*181.4*	179.3	162.6	134.7	128.1
30°	185.0	182.9	179.9	185.3	184.7	195.5	*198.8*	201.2	179.9	147.6	139.8
32.5°	199.7	198.5	196.1	203.0	205.4	215.2	*217.9*	229.9	203.6	170.6	162.6
35°	224.5	223.6	229.9	243.4	243.1	261.6	*254.5*	272.4	247.6	212.2	204.2
37.5°	336.5	331.4	324.2	311.3	310.4	336.2	*328.1*	342.2	307.1	257.5	248.5
40°	350.3	349.4	346.1	331.4	323.0	367.0	*372.4*	414.0	356.2	299.4	282.0
42.5°	342.2	343.4	387.4	396.7	379.6	433.8	*442.8*	515.8	411.6	363.1	331.4
45°	412.5	414.3	428.7	435.3	434.1	570.3	*592.4*	681.9	508.6	452.6	394.0
47.5°	472.4	466.1	492.2	542.4	576.9	730.7	*802.0*	939.4	683.4	600.8	492.2
50°	649.0	647.5	710.4	765.5	799.6	1051.4	*1270.8*	1421.7	1001.7	871.1	686.7
52.5°	768.8	819.7	879.8	1007.4	1038.2	1430.7	*1727.6*	1848.6	1384.3	1144.2	937.6
55°	890.3	963.6	1031.0	1229.5	1331.9	1858.7	*2196.7*	2230.0	1818.0	1391.1	1183.1
57.5°	1116.3	1240.0	1283.4	1441.7	1591.4	2352.1	*2800.2*	2764.9	2265.3	1677.6	1457.3
60°	1320.8	1469.6	1457.0	1612.1	1804.6	2754.1	*3183.4*	3146.3	2674.5	1932.1	1668.0
62.5°	1389.3	1539.3	1522.3	1691.1	1937.2	2969.7	*3392.4*	3328.9	2942.4	2095.2	1784.8
65°	*1421.4*	*1580.6*	*1572.3*	*1729.7*	*1937.2*	*3000.8*	*3519.6*	*3432.8*	*3017.3*	*2158.1*	*1841.1*
67.5°	1393.2	1546.8	1552.2	1692.0	1823.1	2776.0	*3346.0*	3228.0	2829.9	2007.2	1740.5
70°	1217.8	1325.3	1311.8	1438.4	1451.3	2222.2	*2776.9*	2648.5	2299.1	1673.7	1440.2
72.5°	1006.2	1032.2	1021.1	1101.1	1116.0	1627.6	*2075.5*	2002.7	1716.8	1245.3	1100.5
75°	802.3	798.1	820.9	839.4	823.8	1194.8	*1643.5*	1560.9	1270.2	937.9	846.9
77.5°	555.0	523.0	582.9	588.5	564.0	794.5	*1212.4*	1181.0	910.4	691.2	624.2
80°	311.9	315.5	358.3	383.8	374.8	505.6	*843.6*	822.9	621.8	483.2	429.3
82.5°	240.7	251.5	271.5	290.7	278.1	386.8	*570.6*	572.1	454.7	352.9	322.4
85°	264.6	270.3	273.0	273.6	263.7	359.5	*473.0*	466.7	386.2	295.5	285.9
87.5°	258.1	264.0	264.9	265.2	256.6	342.5	*447.8*	438.0	368.2	283.8	269.1
90°	221.2	231.4	232.6	240.4	230.2	305.9	*394.3*	384.4	332.0	256.0	242.2
92.5°	190.1	195.5	201.2	210.5	199.7	266.4	*352.9*	340.7	297.3	231.4	212.5
95°	173.9	176.9	181.7	185.3	172.7	226.3	*295.2*	282.3	241.3	186.2	169.4
97.5°	139.8	142.5	144.6	149.1	140.4	179.3	*229.0*	217.0	189.2	148.2	135.6
100°	119.4	121.2	123.6	126.6	119.4	150.3	*188.0*	182.6	157.5	125.1	117.1
102.5°	109.3	110.8	115.0	115.0	110.5	137.4	*167.9*	163.8	141.6	113.5	108.1
105°	105.4	105.7	109.3	107.8	104.8	128.1	*156.6*	151.2	132.6	107.8	101.5
107.5°	100.3	100.6	105.1	102.7	100.3	118.8	*141.9*	139.5	122.7	100.6	95.2
110°	95.2	96.1	101.8	99.7	98.2	111.7	*132.9*	128.4	117.4	97.3	92.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	91.3	91.9	97.3	95.8	94.6	106.9	*123.3*	123.3	114.7	97.3	91.3
115°	88.0	89.2	93.7	90.7	88.6	100.6	*113.8*	114.4	107.2	92.8	86.8
117.5°	82.3	85.0	87.4	88.6	86.2	96.4	*108.1*	107.5	103.6	89.5	85.3
120°	93.7	91.6	93.4	95.5	91.6	99.7	*109.6*	109.6	105.7	88.0	84.4
122.5°	97.9	94.9	96.7	94.6	94.3	104.8	*117.1*	117.9	109.9	90.7	81.7
125°	86.8	85.6	83.5	82.9	85.3	95.2	*106.3*	110.2	101.5	86.8	76.3
127.5°	74.2	72.7	70.1	71.5	76.0	85.9	*91.6*	93.7	90.1	80.5	72.7
130°	68.6	68.3	70.4	73.0	76.6	85.0	*86.8*	89.8	89.8	78.4	73.9
132.5°	62.6	62.9	69.5	78.7	81.4	83.2	*79.3*	85.0	87.7	79.9	74.8
135°	61.7	62.0	65.6	73.0	73.3	74.5	*74.8*	82.0	83.8	76.3	70.6
137.5°	67.4	67.4	64.7	66.2	69.5	78.4	*81.4*	87.1	85.6	72.1	63.8
140°	74.2	72.7	64.4	64.7	70.4	81.4	*85.3*	88.9	87.1	70.6	60.8
142.5°	61.4	62.0	63.5	69.2	75.7	100.9	*97.6*	106.6	103.0	74.8	59.3
145°	95.8	96.1	94.3	96.7	100.9	134.1	*123.9*	138.3	142.5	97.9	70.4
147.5°	104.8	106.0	102.7	100.6	112.6	122.7	*111.4*	123.3	131.4	102.7	75.4
150°	81.7	81.4	79.3	82.3	90.4	89.8	*83.8*	88.0	91.3	78.4	64.7
152.5°	58.1	57.2	56.0	56.3	65.9	63.5	*61.7*	65.3	65.3	60.2	51.8
155°	48.2	48.2	47.6	49.1	54.5	50.3	*48.8*	48.2	47.6	46.1	42.8
157.5°	40.7	41.6	40.7	42.5	46.1	42.2	*41.3*	40.4	40.7	40.7	39.8
160°	33.8	33.8	33.2	36.2	37.4	34.4	*32.9*	32.3	32.3	34.1	34.1
162.5°	28.4	28.4	28.7	29.9	30.8	28.7	*27.8*	27.8	28.7	31.4	31.4
165°	24.5	24.5	24.8	25.7	26.3	25.1	*24.5*	24.8	27.2	29.6	29.6
167.5°	22.5	22.5	22.5	22.8	23.1	22.5	*22.5*	23.6	25.7	27.2	27.2
170°	21.3	21.3	21.0	21.3	21.3	21.3	*22.5*	23.6	24.5	24.5	24.5
172.5°	21.6	21.6	21.3	21.6	21.6	21.3	*22.8*	24.2	23.6	23.4	23.4
175°	22.2	22.2	22.2	22.5	22.5	21.9	*21.6*	22.2	22.8	22.8	22.5
177.5°	22.2	22.2	21.9	22.2	21.9	21.3	*21.0*	20.7	20.7	20.4	20.4
180°	20.7	20.7	20.7	20.7	20.7	20.7	*20.7*	20.7	20.7	20.7	20.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4
2.5°	146.4	126.3	111.4	123.0	148.8	161.7	148.8	113.2	79.6	69.8
5°	87.7	85.3	76.9	75.1	78.4	75.4	83.8	79.3	62.9	63.5
7.5°	65.6	79.3	76.6	54.8	51.2	47.9	50.6	57.8	59.6	55.7
10°	76.0	68.6	59.9	55.7	60.8	65.6	62.3	54.2	46.7	44.6
12.5°	83.8	83.2	84.1	75.4	62.0	57.2	55.4	59.6	72.4	75.4
15°	90.1	83.2	76.9	75.1	66.2	61.4	59.0	57.8	55.4	53.6
17.5°	96.4	85.0	78.1	71.2	66.8	62.3	57.2	54.5	54.2	54.5
20°	100.6	90.1	82.0	74.2	68.6	62.6	57.5	55.1	55.1	55.1
22.5°	105.7	95.5	86.8	76.9	70.4	63.8	59.6	57.2	56.9	56.9
25°	114.1	102.7	92.5	81.7	74.5	68.6	62.9	59.9	59.0	58.7
27.5°	123.6	111.1	98.8	87.7	80.2	73.6	66.2	61.7	60.5	60.2
30°	135.9	121.5	106.0	94.3	85.0	78.7	69.8	64.4	62.0	61.7
32.5°	156.0	137.1	116.8	103.9	92.8	84.4	74.5	68.0	64.1	63.2
35°	194.6	171.5	141.0	122.4	104.8	91.6	78.7	70.1	66.2	65.6
37.5°	237.7	202.7	173.0	151.5	129.9	107.8	85.3	73.3	68.6	67.7
40°	256.3	223.0	191.6	157.8	153.0	135.6	104.8	81.4	71.8	70.4
42.5°	297.0	249.7	207.2	139.5	150.6	149.7	129.3	99.7	80.8	77.2
45°	349.7	284.1	230.5	149.1	151.8	146.4	132.6	115.3	98.2	94.3
47.5°	435.6	317.6	238.0	167.6	170.6	157.8	138.9	121.5	109.3	107.8
50°	622.1	416.1	265.5	203.0	212.5	182.9	159.6	144.6	129.9	127.2
52.5°	845.7	493.1	294.0	253.3	287.7	245.2	209.9	182.3	181.4	177.8
55°	1081.3	522.7	331.7	308.6	362.2	325.4	291.0	265.8	278.7	279.9
57.5°	1345.9	554.4	386.2	381.1	452.6	394.0	364.9	371.8	463.1	498.7
60°	1522.3	580.5	433.2	441.0	535.3	478.1	456.2	471.5	626.6	691.5
62.5°	1600.7	567.3	456.2	469.7	570.9	529.3	525.7	533.8	665.2	726.0
65°	*1611.5*	*547.8*	*468.8*	*480.5*	*577.2*	*534.7*	*519.4*	*508.0*	*595.4*	*631.1*
67.5°	1479.2	506.5	458.9	471.2	548.7	497.8	459.8	434.1	484.7	488.3
70°	1203.7	452.3	425.4	429.9	468.8	416.7	380.8	358.6	370.3	365.5
72.5°	933.4	398.8	379.0	368.5	380.2	335.6	293.1	281.7	292.8	287.7
75°	709.2	356.2	334.4	299.1	318.2	258.3	211.1	200.9	205.7	198.8
77.5°	521.5	287.1	261.6	221.2	247.6	187.4	142.5	132.0	133.8	127.2
80°	380.5	212.2	191.3	158.7	178.4	133.2	103.0	101.2	100.9	96.7
82.5°	294.0	168.5	153.0	136.5	139.8	117.6	97.6	94.6	94.6	88.3
85°	272.7	163.2	147.3	135.6	136.5	114.1	92.8	91.0	91.9	85.3
87.5°	254.8	159.6	146.7	132.6	125.7	103.3	83.5	85.6	86.2	80.5
90°	218.5	141.9	130.2	116.8	108.7	87.7	74.8	78.7	79.3	74.2
92.5°	191.6	121.8	112.0	101.5	97.9	82.3	71.8	74.8	74.8	70.4
95°	152.7	99.7	95.2	90.1	89.2	76.9	67.1	68.6	68.0	64.1
97.5°	124.2	86.5	82.6	77.8	74.8	65.9	59.0	60.5	60.8	58.1
100°	109.3	79.9	74.5	69.2	66.2	59.3	53.9	56.6	58.4	56.0
102.5°	102.1	76.3	70.4	64.7	62.3	56.0	50.9	53.3	55.7	53.6
105°	97.0	73.6	67.4	62.3	59.3	53.0	47.9	48.5	51.5	50.3
107.5°	90.4	73.6	65.6	60.5	56.9	51.2	45.2	44.6	46.4	46.1
110°	88.0	73.6	64.4	59.3	55.4	50.3	44.9	42.5	43.4	43.4

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

Scaled Data Report

REPORT NUMBER: P981467
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	85.9	73.0	63.2	57.2	53.9	49.7	44.3	40.7	41.6	42.2
115°	81.1	67.4	59.6	53.3	50.0	45.5	41.9	39.2	39.5	40.1
117.5°	78.4	62.3	57.8	52.1	49.7	47.0	43.7	38.6	38.6	39.2
120°	78.4	61.4	59.3	57.2	56.0	51.5	46.1	38.6	37.7	37.7
122.5°	77.2	68.3	64.7	59.9	56.6	50.6	44.0	37.7	37.1	37.1
125°	70.9	65.3	59.6	53.9	50.0	45.2	41.3	38.0	36.8	36.8
127.5°	67.7	58.7	53.3	48.8	46.1	43.7	41.3	38.0	36.5	36.2
130°	68.6	59.3	52.4	48.8	46.7	44.3	41.6	37.4	35.0	34.7
132.5°	69.2	57.2	50.6	47.6	46.1	44.3	40.7	35.3	32.6	32.6
135°	62.6	51.5	48.5	46.4	45.5	44.0	38.6	33.5	31.4	31.1
137.5°	56.9	50.0	47.9	45.8	44.3	42.2	38.0	32.9	30.2	29.9
140°	54.5	48.8	45.8	41.9	40.1	35.9	32.9	29.9	29.0	28.7
142.5°	51.8	45.8	42.2	38.9	38.0	36.5	34.7	29.9	26.9	26.9
145°	62.0	55.1	50.9	47.6	43.4	40.4	34.7	28.7	24.8	24.2
147.5°	65.0	58.7	54.5	50.0	42.2	35.6	29.3	25.1	23.6	23.1
150°	56.9	51.5	47.0	42.2	35.3	30.8	26.6	23.9	23.4	23.4
152.5°	45.2	42.2	37.4	34.1	29.6	26.9	24.5	23.1	22.5	22.5
155°	37.4	35.0	32.3	29.6	27.2	25.4	23.9	22.8	22.2	22.2
157.5°	36.2	32.6	30.2	27.8	26.3	24.5	23.4	22.2	21.9	21.6
160°	32.9	28.7	26.6	25.1	24.8	24.2	23.4	22.5	22.2	21.9
162.5°	30.5	26.3	24.8	23.9	24.8	25.4	24.8	23.6	22.8	22.5
165°	28.7	24.8	23.6	23.6	25.4	26.3	24.8	23.6	23.6	23.4
167.5°	26.6	25.4	23.9	23.6	25.1	26.9	27.2	25.1	24.2	23.9
170°	24.8	25.1	25.1	24.2	24.5	26.0	26.6	26.0	24.8	24.5
172.5°	23.6	24.2	25.4	24.8	24.8	25.4	26.0	25.4	24.5	24.2
175°	22.5	22.8	22.2	22.5	23.4	24.2	23.9	23.6	23.4	23.4
177.5°	20.4	20.4	20.7	20.7	21.0	21.9	22.2	22.2	22.8	22.8
180°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

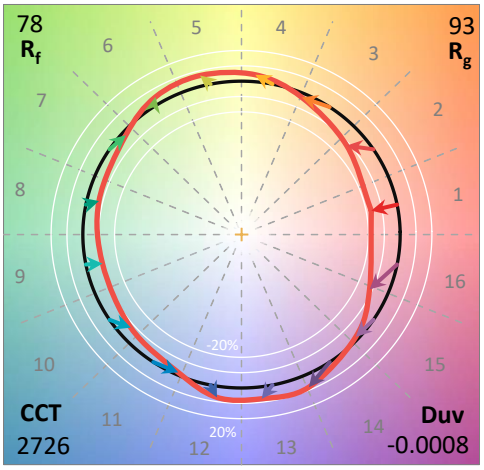
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

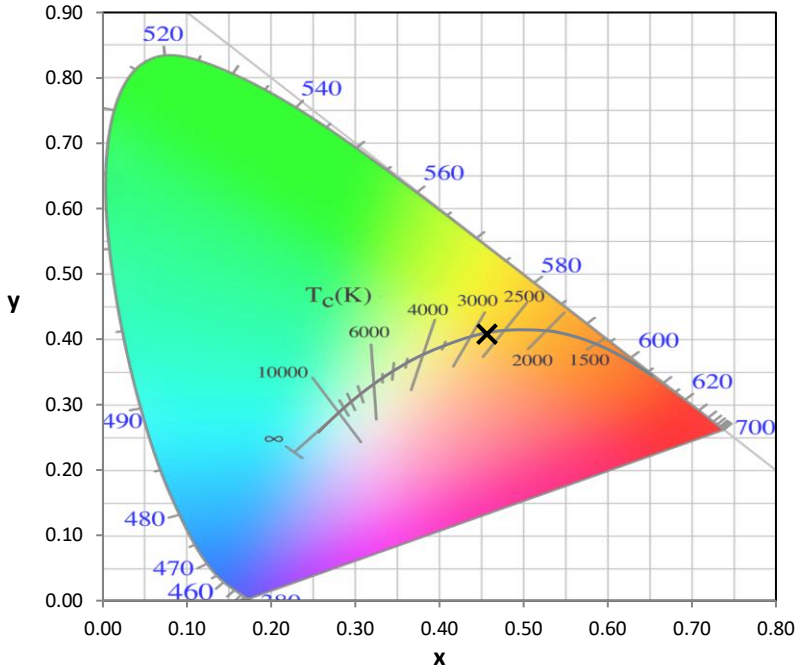
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

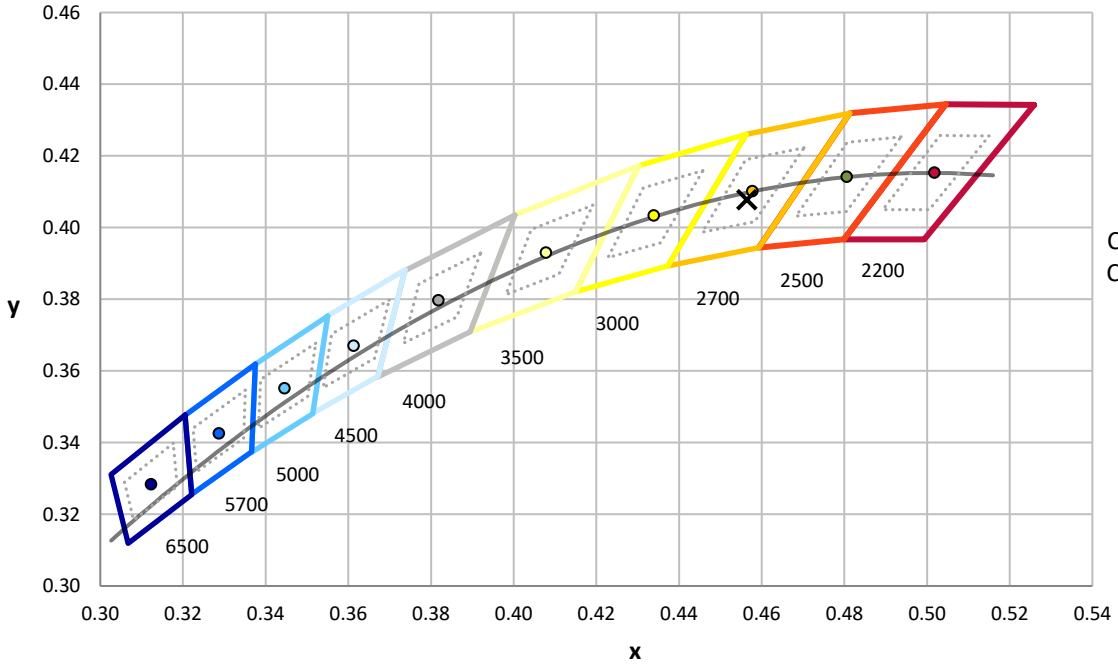
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

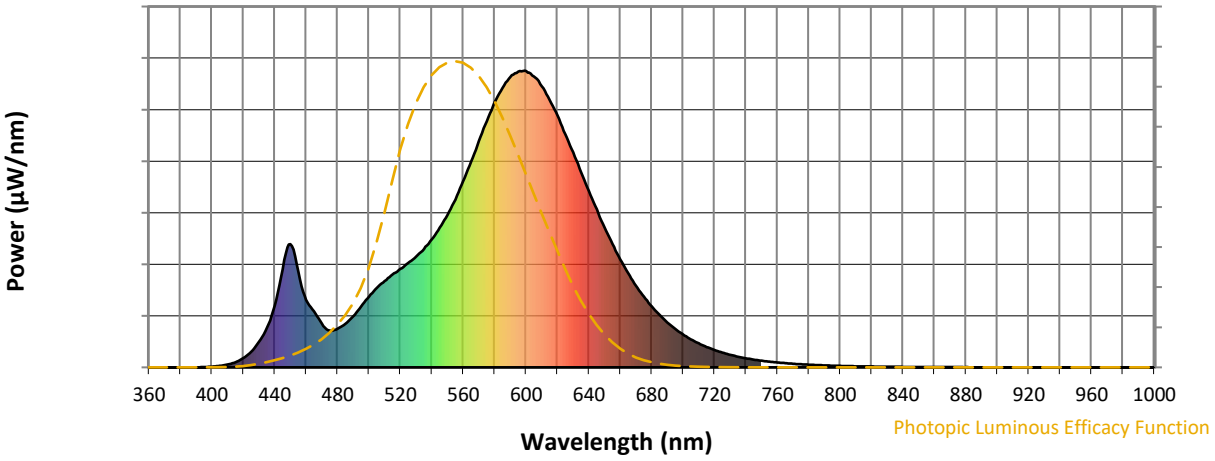


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

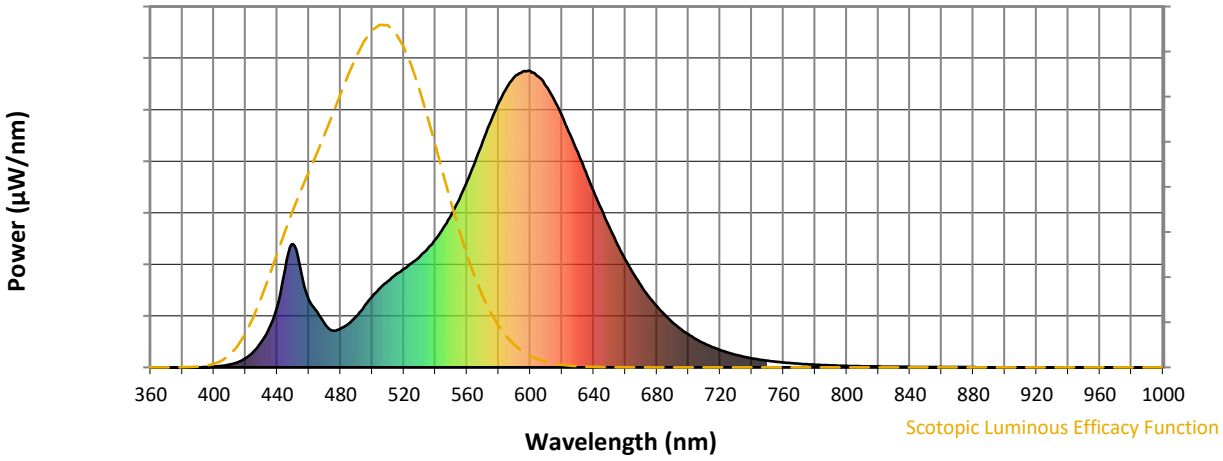


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

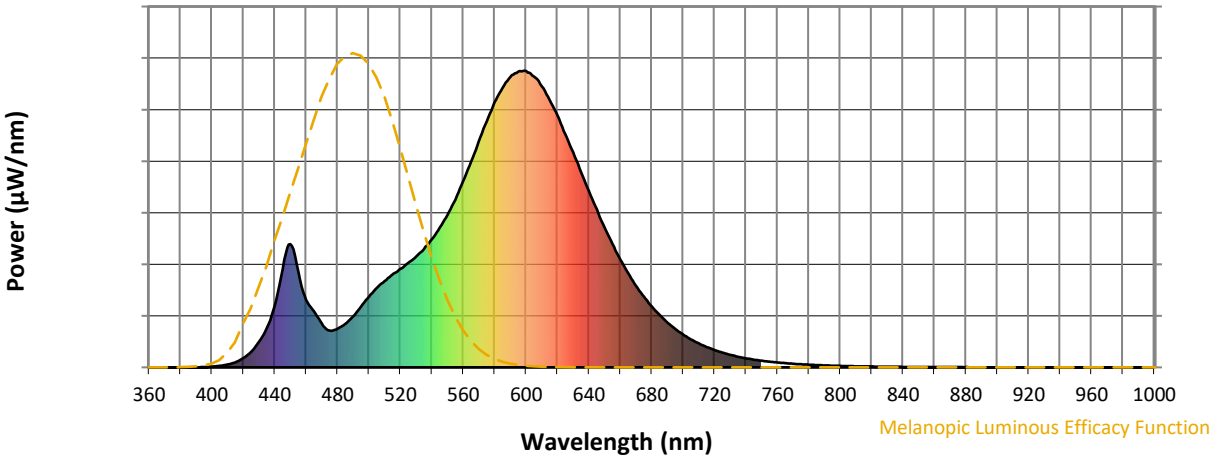


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

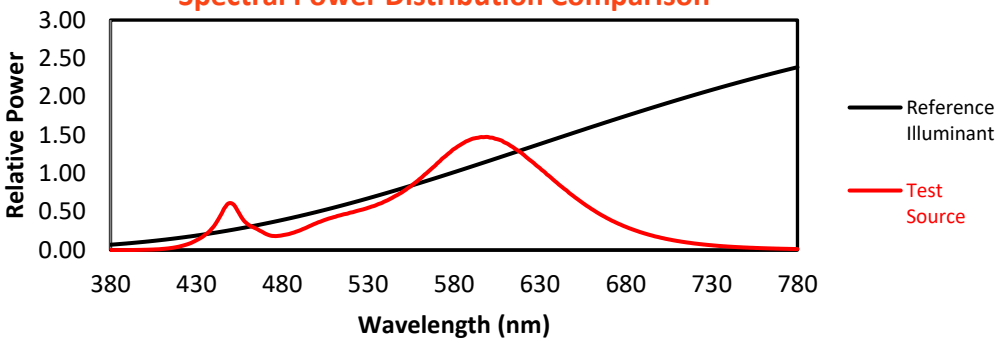
REPORT NUMBER: SP1-2501-332-3

TM-30-18

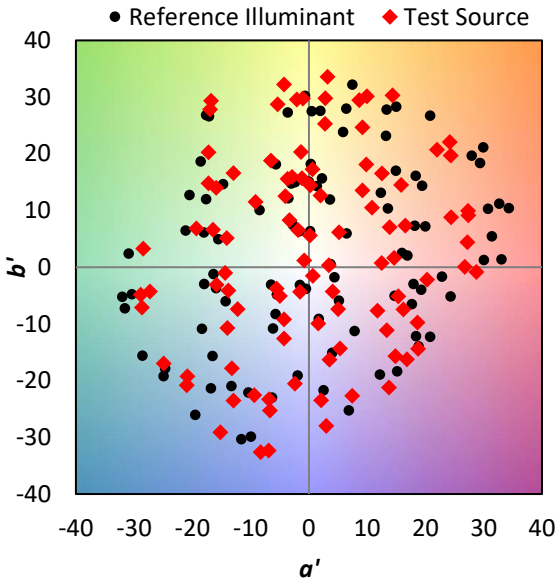
Summary

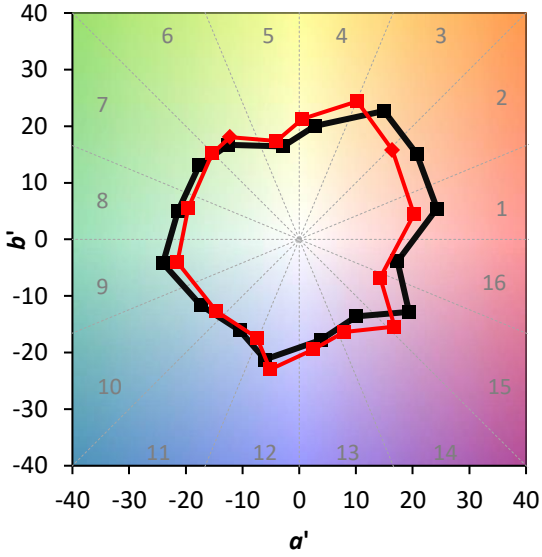
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

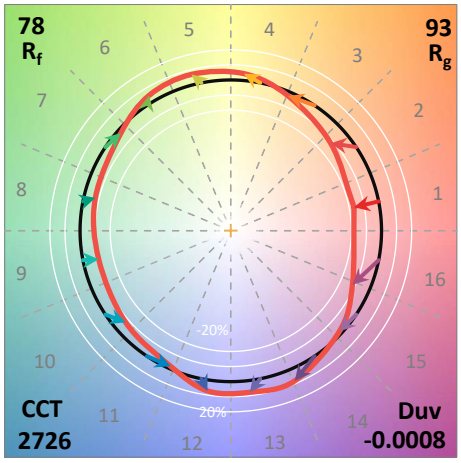
Spectral Power Distribution Comparison

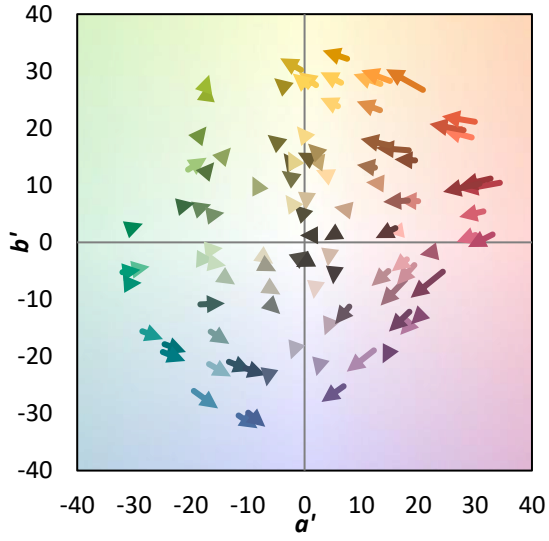


Color Vector Graphics







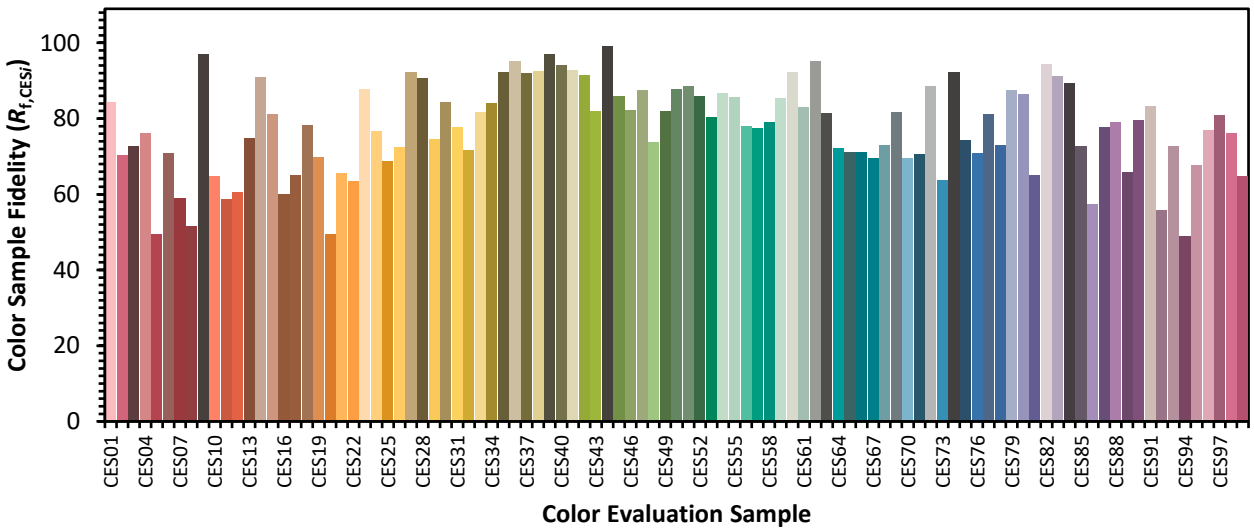


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

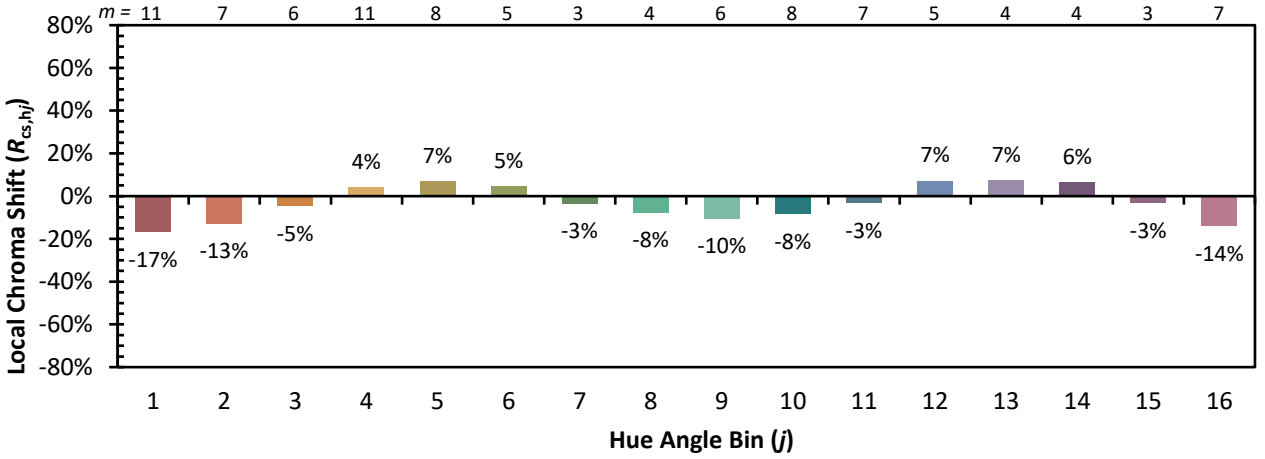
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

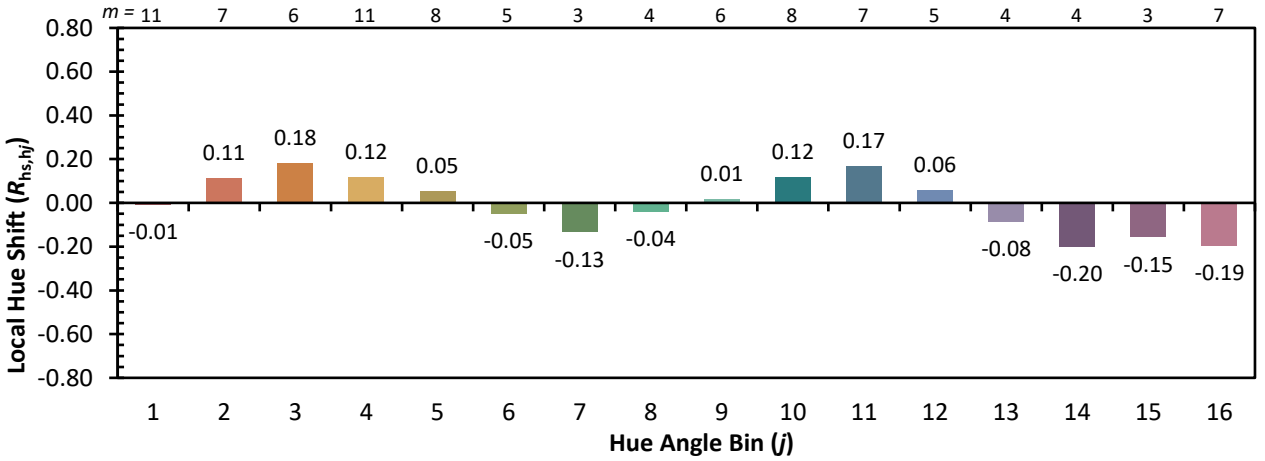


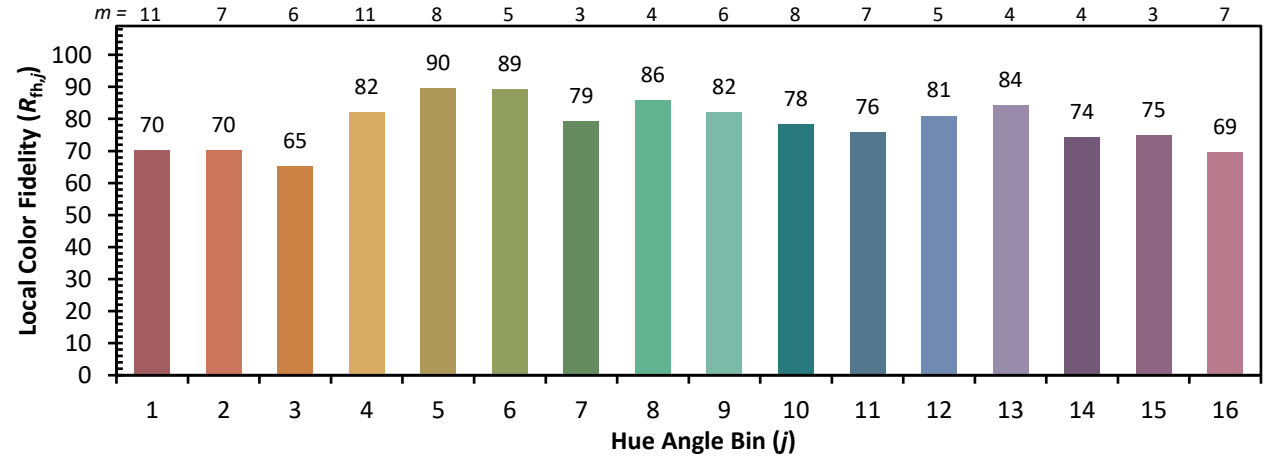
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



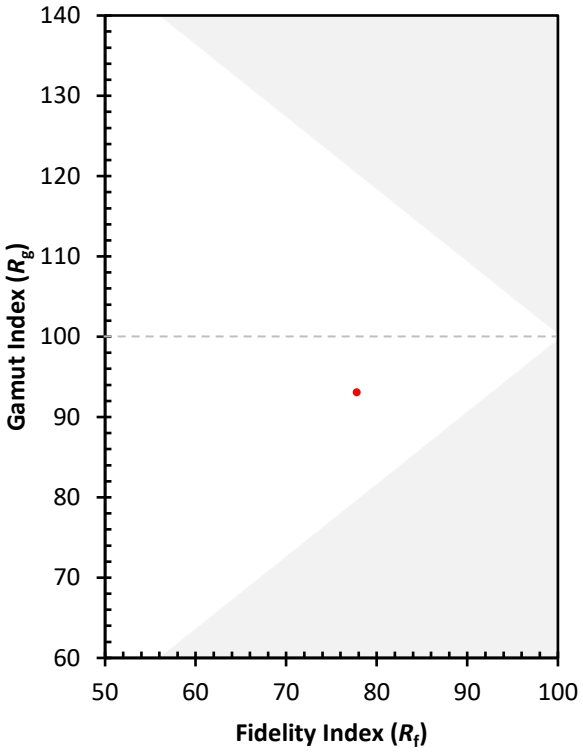


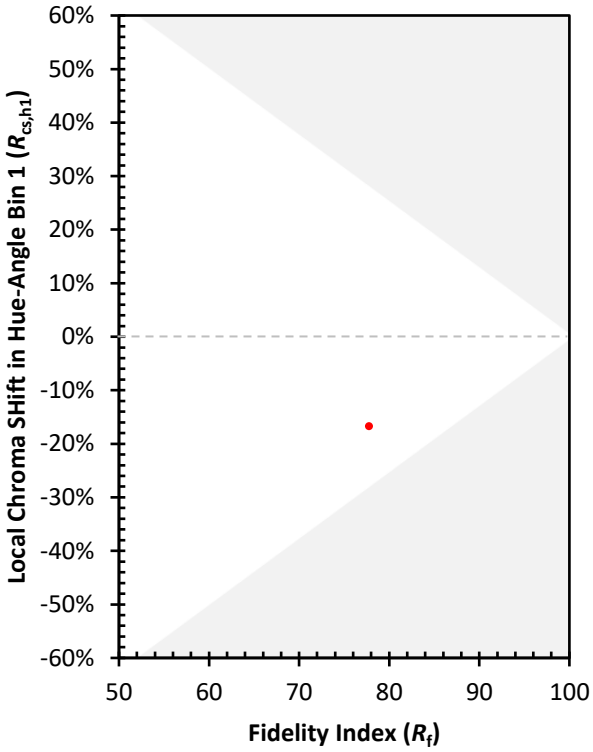


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Measure Comparisons





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