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: P981430

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

Issue Date: 04/15/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981430
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
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:	6180.8 lumens
Efficiency:	N/A
Efficacy:	156.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - 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

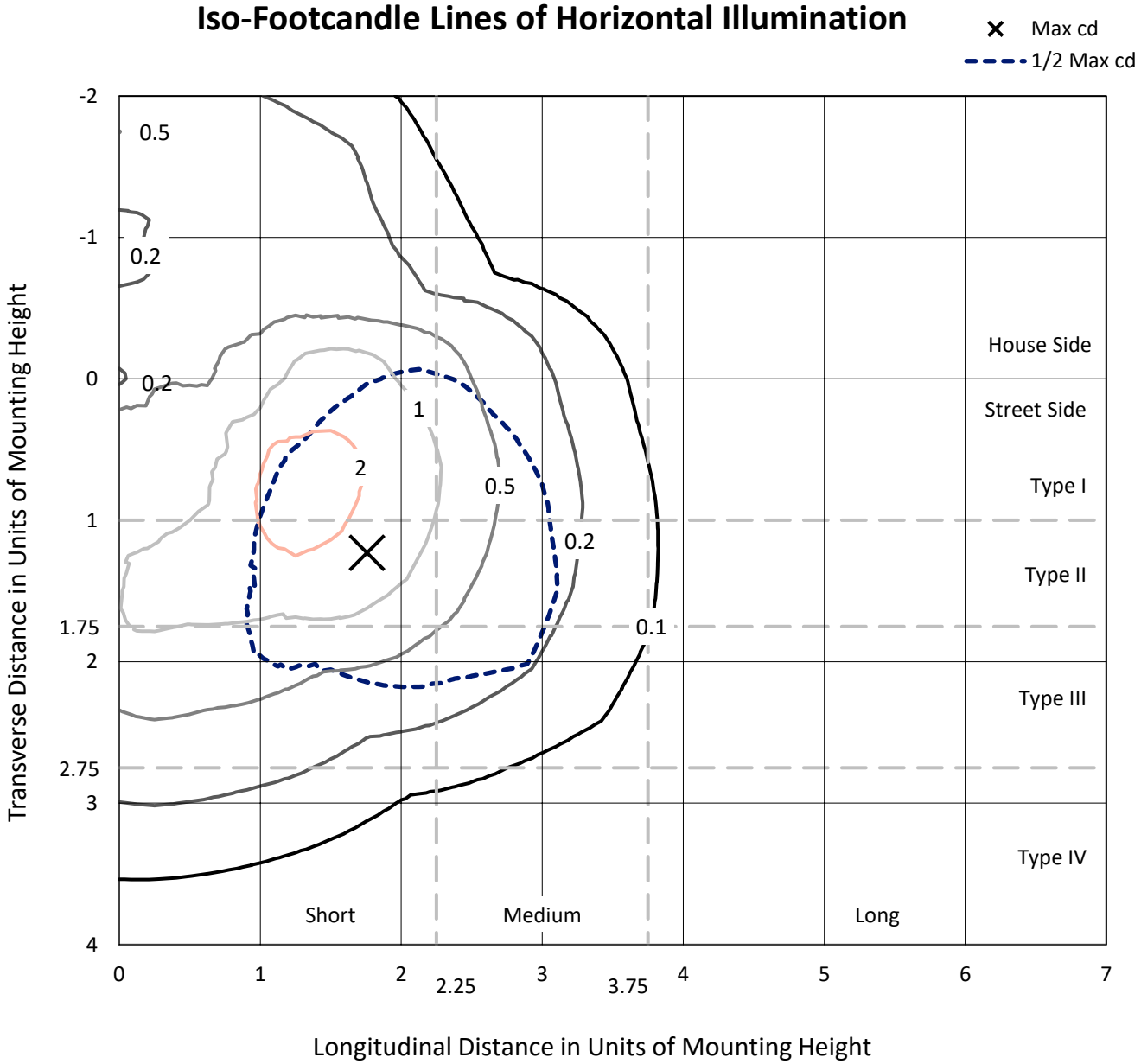


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Iso-Footcandle Lines of Horizontal Illumination



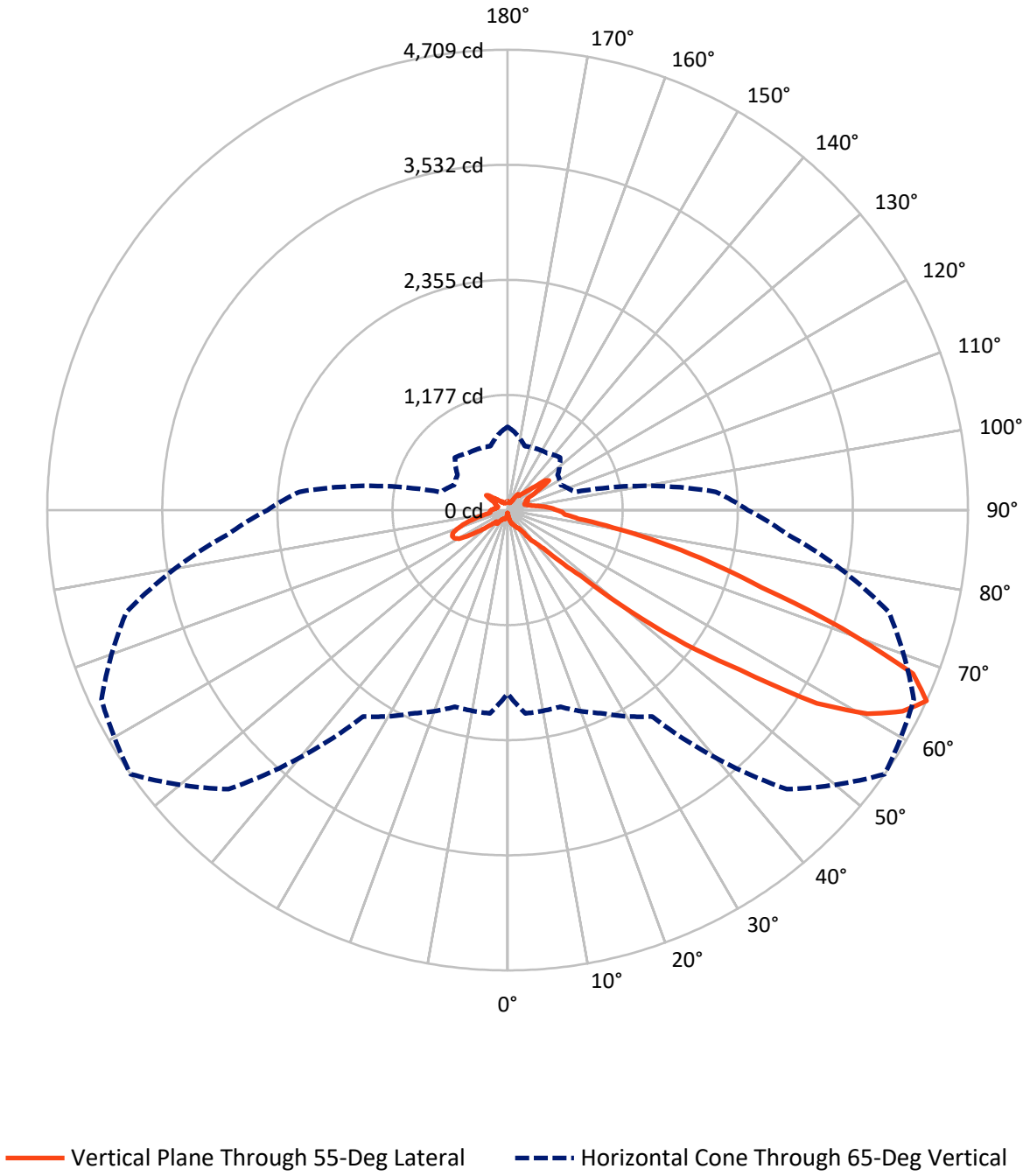
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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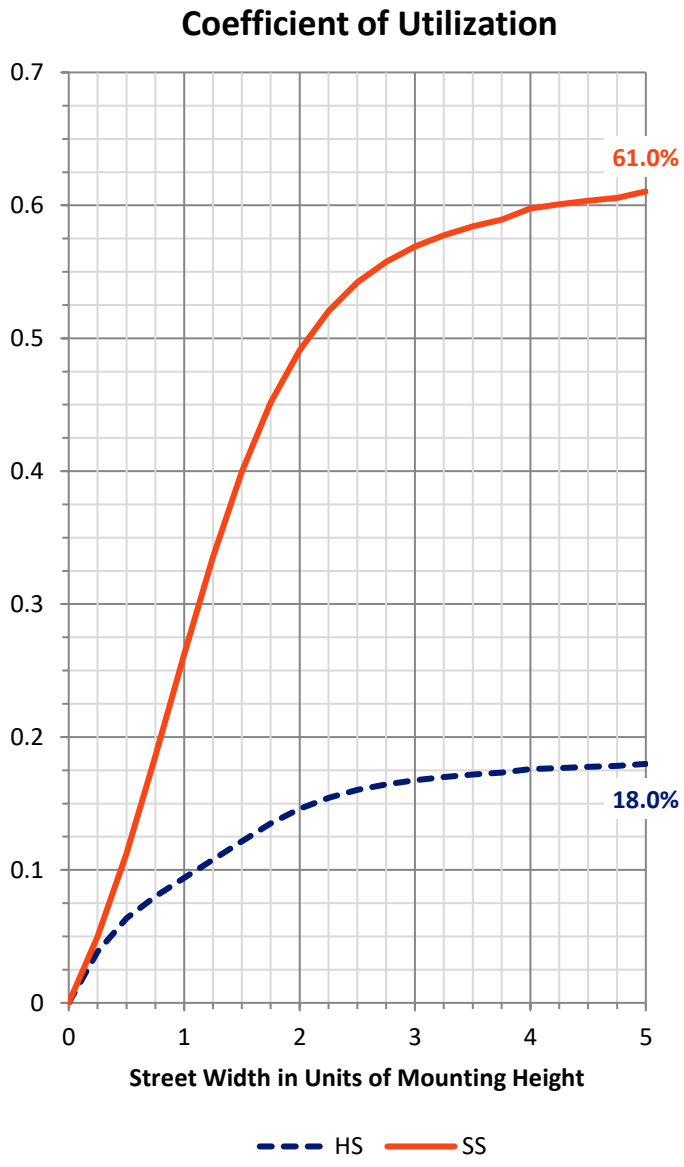
REPORT NUMBER: P981430
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1158.5	415.1	1573.6
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	3895.2	712.0	4607.2
	% Fixture	63.0	11.5	74.5
Total	Lumens	5053.7	1127.1	6180.8
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	31.4	0.5
20°-30°	64.5	1.0
30°-40°	135.1	2.2
40°-50°	356.8	5.8
50°-60°	1187.4	19.2
60°-70°	1915.3	31.0
70°-80°	1004.7	16.3
80°-90°	352.6	5.7
90°-100°	227.6	3.7
100°-110°	147.6	2.4
110°-120°	161.9	2.6
120°-130°	272.3	4.4
130°-140°	159.5	2.6
140°-150°	85.4	1.4
150°-160°	42.4	0.7
160°-170°	22.3	0.4
170°-180°	8.1	0.1
0°-90°	5053.7	81.8
0°-180°	6180.8	100.0



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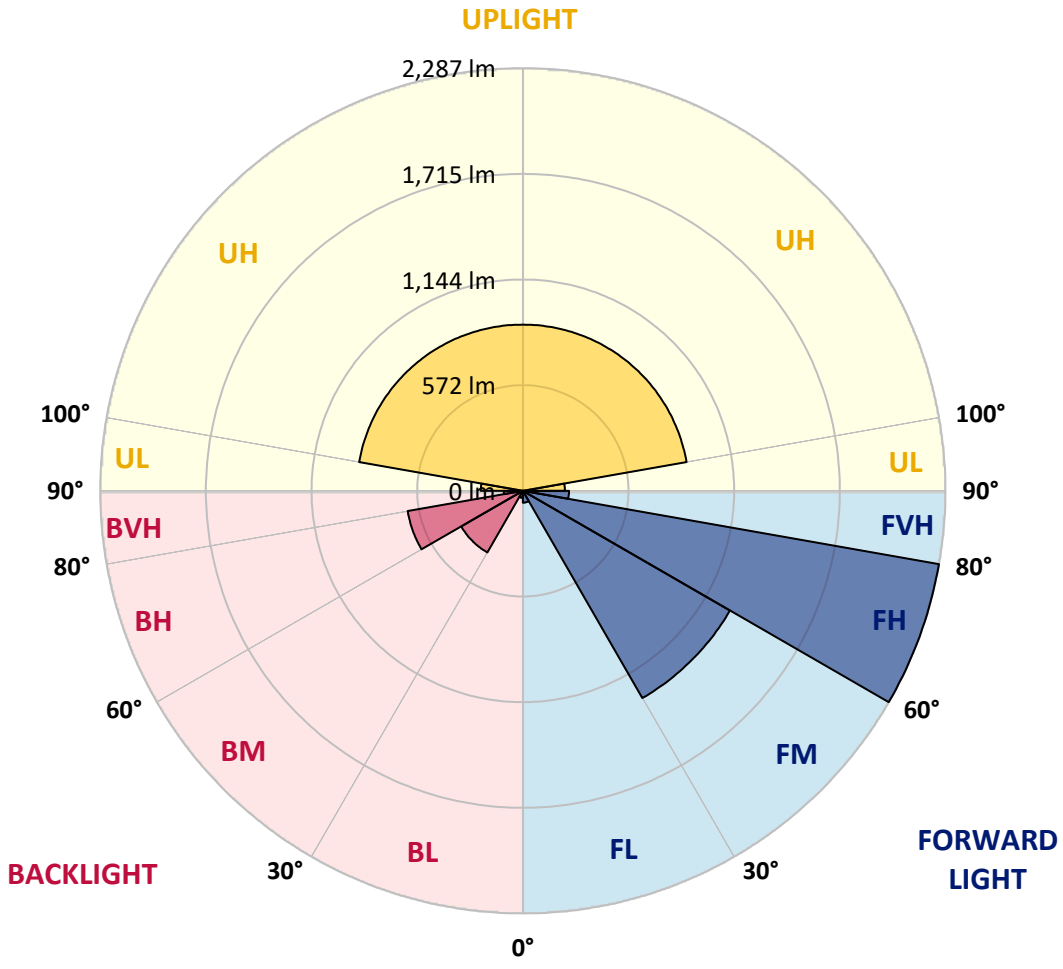
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	64.1	1.0			
FM	(30°-60°)	1294.4	20.9			
FH	(60°-80°)	2287.0	37.0			G2/5000
FVH	(80°-90°)	249.6	4.0			G3/500
BL	(0°-30°)	37.6	0.6	B0/110		
BM	(30°-60°)	385.0	6.2	B1/1000		
BH	(60°-80°)	633.1	10.2	B2/1000		G2/1000
BVH	(80°-90°)	102.9	1.7			G2/225
UL	(90°-100°)	227.6	3.7		U3/500	
UH	(100°-180°)	899.5	14.6		U4/1000	

BUG Rating: B2-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	35.0	35.0	35.0	35.0	35.0	35.0	*35.0*	35.0	35.0	35.0	35.0
2.5°	35.0	35.8	37.9	38.7	39.1	38.3	*36.6*	38.3	38.3	38.3	37.9
5°	50.9	50.9	50.9	52.1	52.5	53.3	*52.5*	50.5	48.8	47.2	46.8
7.5°	71.2	72.0	72.4	72.4	72.4	74.1	*75.7*	72.0	68.8	65.5	64.7
10°	102.2	100.1	98.1	98.9	97.3	94.0	*95.6*	92.8	85.5	83.0	83.0
12.5°	130.6	130.2	131.1	126.6	124.1	117.2	*118.0*	116.4	111.1	102.6	99.7
15°	146.5	147.7	147.3	149.0	145.3	135.5	*133.1*	133.9	129.0	120.9	116.8
17.5°	154.7	154.7	155.1	157.1	157.1	147.7	*143.7*	141.6	137.6	130.6	125.4
20°	158.7	158.7	158.3	161.2	166.9	161.6	*155.9*	152.6	149.0	138.0	129.8
22.5°	170.1	169.3	168.1	168.9	177.5	175.8	*171.3*	166.5	161.2	144.5	134.3
25°	181.9	182.3	178.7	179.9	188.4	190.9	*187.2*	182.3	176.2	151.0	140.8
27.5°	195.4	195.0	190.1	191.7	196.2	205.1	*200.7*	198.2	188.0	156.3	146.5
30°	207.6	205.5	200.7	204.7	204.7	219.0	*214.9*	216.1	203.5	166.1	155.5
32.5°	216.5	216.1	213.3	218.6	215.7	234.0	*232.8*	243.0	224.3	185.2	175.4
35°	236.9	237.3	249.1	259.3	254.4	281.2	*286.9*	300.0	277.2	232.8	222.2
37.5°	383.4	378.5	362.2	343.5	345.9	396.0	*389.1*	396.0	361.0	297.1	280.4
40°	403.7	405.0	386.2	372.0	370.0	433.9	*444.4*	500.6	427.3	356.1	323.2
42.5°	393.2	397.2	448.5	466.8	450.5	531.9	*535.2*	643.5	498.6	439.2	395.6
45°	498.6	499.4	510.0	521.8	523.8	726.5	*737.9*	857.5	634.1	553.1	479.4
47.5°	567.4	573.9	588.5	669.1	711.8	928.8	*1004.9*	1195.0	844.5	754.2	608.9
50°	802.2	820.1	892.6	961.7	1028.5	1377.3	*1633.3*	1860.0	1268.6	1105.4	884.8
52.5°	977.6	1041.9	1122.9	1289.8	1360.2	1882.4	*2284.5*	2424.9	1777.0	1498.2	1205.5
55°	1129.8	1247.9	1335.4	1608.5	1742.4	2454.2	*2883.2*	2903.5	2384.6	1828.7	1545.8
57.5°	1443.2	1615.4	1672.4	1906.0	2092.4	3135.1	*3731.0*	3630.8	3004.9	2205.1	1908.8
60°	1738.3	1936.5	1915.3	2130.6	2377.3	3720.8	*4232.8*	4181.9	3586.1	2561.7	2226.3
62.5°	1834.3	2035.4	2017.5	2243.8	2575.5	3993.9	*4534.0*	4449.7	3929.2	2784.7	2385.8
65°	*1876.3*	*2088.3*	*2083.4*	*2295.1*	*2577.9*	*4037.4*	*4709.4*	*4584.0*	*4037.0*	*2874.6*	*2455.8*
67.5°	1840.5	2042.3	2040.3	2235.2	2389.9	3721.6	*4472.1*	4287.3	3771.3	2663.0	2304.8
70°	1588.1	1728.5	1720.0	1839.6	1920.6	2958.1	*3629.2*	3489.6	3043.5	2188.4	1909.2
72.5°	1295.1	1336.6	1354.5	1422.9	1444.4	2164.8	*2721.6*	2610.5	2269.4	1639.0	1447.7
75°	1034.2	1036.2	1054.9	1079.0	1071.6	1592.6	*2143.7*	2074.9	1673.6	1222.6	1098.1
77.5°	684.6	679.3	761.5	771.3	724.5	1014.7	*1600.7*	1552.3	1197.8	890.9	803.0
80°	392.8	394.4	450.5	486.0	467.2	644.7	*1096.9*	1086.3	822.5	623.5	551.5
82.5°	293.0	306.9	337.0	355.7	348.4	484.7	*729.8*	749.7	584.5	448.5	409.8
85°	326.4	334.1	337.4	338.6	329.7	453.4	*589.3*	588.1	491.2	376.5	363.5
87.5°	317.9	324.4	327.2	328.9	319.9	433.5	*556.8*	548.6	471.3	361.8	342.7
90°	267.4	282.5	282.1	296.3	286.1	381.0	*488.4*	483.1	427.8	333.3	310.9
92.5°	224.3	232.8	238.5	258.0	249.1	335.4	*439.2*	426.9	383.0	303.2	279.2
95°	209.6	217.3	221.8	232.8	221.8	289.8	*370.0*	359.0	317.9	252.7	229.5
97.5°	176.6	179.1	183.1	190.5	183.1	234.8	*299.6*	289.0	255.2	206.3	190.1
100°	149.8	152.2	157.5	162.8	159.1	201.1	*250.7*	245.0	219.4	179.5	168.5
102.5°	141.6	143.3	150.2	153.4	149.0	184.8	*221.4*	221.4	198.6	165.6	156.7
105°	135.1	137.2	142.4	143.7	140.4	170.1	*204.3*	202.3	184.4	155.1	146.5
107.5°	128.6	131.1	135.5	133.5	131.9	156.7	*183.6*	186.8	171.3	147.3	141.6
110°	135.5	136.3	140.0	136.8	139.6	155.9	*184.4*	185.2	180.7	160.8	154.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	184.4	179.9	187.6	175.4	184.8	196.2	*214.1*	220.6	215.3	192.5	187.2
115°	201.9	205.1	213.3	201.1	207.2	221.0	*229.5*	230.8	224.7	210.0	208.0
117.5°	157.5	173.8	165.2	172.6	175.0	194.1	*213.7*	219.4	213.7	193.3	205.9
120°	201.5	214.5	185.2	176.2	188.4	221.8	*239.7*	244.6	229.1	229.5	237.3
122.5°	334.1	341.5	359.8	369.1	354.9	375.3	*381.4*	385.8	362.2	334.6	320.7
125°	507.1	501.8	499.4	496.9	493.3	514.9	*518.9*	507.5	483.9	445.3	423.7
127.5°	458.7	463.2	470.1	469.3	466.0	482.7	*492.9*	486.0	479.4	442.4	429.8
130°	330.1	332.1	344.3	366.3	363.9	377.3	*378.5*	385.4	396.4	380.1	367.1
132.5°	273.5	275.5	293.9	303.6	304.4	304.8	*299.1*	315.0	326.4	310.1	299.1
135°	238.5	238.5	242.6	238.9	240.1	250.7	*255.6*	269.8	272.7	265.0	254.0
137.5°	210.8	211.6	203.1	196.2	197.4	216.5	*227.5*	238.5	232.8	216.9	209.2
140°	183.6	179.1	167.3	165.2	174.2	192.5	*199.0*	206.8	208.4	188.0	177.9
142.5°	135.1	133.5	138.8	149.8	154.7	185.2	*180.3*	195.0	195.8	161.6	144.9
145°	151.0	150.6	150.2	152.2	163.6	208.0	*196.2*	214.9	223.8	171.8	140.4
147.5°	170.5	170.1	166.5	162.0	179.1	190.1	*179.5*	195.8	205.5	170.5	135.9
150°	131.9	132.7	130.6	129.4	148.1	146.1	*143.7*	148.1	152.2	141.2	123.7
152.5°	102.6	100.9	99.7	100.1	115.6	113.1	*113.1*	116.4	116.8	112.7	103.8
155°	92.4	92.0	91.2	92.8	102.2	99.7	*97.7*	96.9	94.8	93.6	92.4
157.5°	86.7	85.9	85.9	88.3	94.8	90.8	*89.9*	89.1	87.9	87.9	88.3
160°	81.0	80.6	80.6	84.2	86.3	82.6	*81.8*	81.4	81.0	81.8	82.6
162.5°	77.7	77.7	77.7	80.2	80.2	77.7	*76.9*	76.5	76.9	79.8	80.2
165°	76.5	76.1	76.5	77.7	77.3	75.7	*75.3*	75.3	76.5	79.0	79.4
167.5°	78.6	78.6	78.6	79.0	78.6	76.9	*76.5*	76.5	77.7	79.8	79.8
170°	81.8	81.4	81.4	81.4	81.0	79.4	*78.6*	79.0	79.4	80.6	80.6
172.5°	84.7	84.7	84.2	83.8	83.0	82.2	*81.4*	81.4	81.4	81.8	81.8
175°	87.9	87.9	87.9	87.5	87.5	86.3	*85.9*	85.5	85.1	84.7	84.2
177.5°	91.6	91.2	91.2	91.2	91.2	89.9	*89.1*	88.7	87.9	87.5	87.5
180°	89.9	89.9	89.9	89.9	89.9	89.9	*89.9*	89.9	89.9	89.9	89.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2.5°	37.9	36.6	34.6	30.9	29.7	28.5	27.3	24.8	23.6	22.8
5°	46.4	44.8	44.4	42.3	39.5	37.0	36.6	35.8	35.4	34.2
7.5°	66.3	67.2	69.2	65.5	57.4	52.9	54.1	58.6	57.0	56.6
10°	83.4	88.7	92.8	83.4	68.8	59.4	59.8	68.8	69.6	71.2
12.5°	97.7	102.2	101.3	89.5	75.7	66.7	63.9	68.8	73.3	73.7
15°	113.1	105.4	102.6	92.8	83.0	76.1	74.9	76.1	76.1	75.3
17.5°	119.7	106.2	98.1	89.9	83.0	78.1	76.5	74.5	71.6	71.6
20°	121.3	109.5	100.1	91.6	84.7	79.4	74.9	72.4	71.6	71.6
22.5°	126.2	115.6	105.8	95.6	88.3	81.4	76.1	73.7	73.7	74.1
25°	133.1	123.3	111.1	100.5	92.8	85.5	78.6	74.9	74.5	74.9
27.5°	141.6	131.5	118.0	106.6	97.7	89.5	81.0	76.5	74.9	74.9
30°	151.4	139.6	124.5	111.9	102.2	94.8	84.2	78.1	76.1	75.3
32.5°	168.9	155.5	132.7	118.8	107.9	99.7	89.1	81.4	77.3	76.5
35°	212.0	191.3	161.6	136.3	119.7	105.4	92.8	83.4	78.1	77.3
37.5°	258.9	227.5	199.4	171.3	146.9	123.7	99.7	86.7	80.2	79.0
40°	288.2	247.0	222.2	180.3	177.0	157.9	122.5	95.6	84.2	82.6
42.5°	348.4	286.9	247.5	159.1	173.0	177.0	154.7	120.1	95.2	92.4
45°	419.6	337.4	277.6	170.1	178.3	173.4	158.3	139.2	118.8	113.1
47.5°	543.8	385.0	288.2	197.4	203.9	190.5	168.1	148.1	133.1	131.1
50°	784.7	525.0	324.4	242.6	262.1	224.7	195.8	180.3	160.0	157.5
52.5°	1094.8	632.1	364.3	313.8	358.2	311.8	265.0	233.6	229.1	230.8
55°	1431.0	665.0	416.8	387.9	465.6	422.1	368.3	338.2	367.9	377.3
57.5°	1764.3	714.7	492.9	483.9	582.8	516.5	474.2	487.2	610.9	640.6
60°	2026.9	757.0	557.2	576.3	698.8	626.8	608.9	628.0	840.5	919.4
62.5°	2129.8	737.9	590.6	615.4	753.4	704.1	698.0	716.3	895.4	973.1
65°	*2137.6*	*708.6*	*603.6*	*626.0*	*761.9*	*709.4*	*692.7*	*677.2*	*801.8*	*851.0*
67.5°	1978.0	650.0	587.7	610.9	724.1	654.5	619.9	584.9	648.8	676.0
70°	1594.6	576.3	538.1	551.5	608.9	544.6	497.4	473.3	496.1	494.1
72.5°	1208.0	507.5	483.5	470.1	497.4	445.3	393.2	370.0	390.3	385.0
75°	922.7	453.0	430.6	385.8	412.3	341.9	284.5	268.6	278.4	274.7
77.5°	665.9	363.0	333.3	284.1	318.3	248.7	190.9	179.5	181.9	174.2
80°	479.4	270.7	241.8	206.8	234.0	177.9	141.6	139.2	140.4	132.3
82.5°	376.5	216.9	197.8	179.1	187.6	160.8	136.3	133.9	135.1	126.2
85°	350.8	212.5	192.5	180.3	183.1	158.3	132.3	131.5	133.5	123.7
87.5°	330.9	210.4	194.5	177.0	170.1	145.3	122.5	126.2	131.9	121.7
90°	291.8	196.2	182.3	166.5	159.1	136.3	122.5	127.8	127.4	120.1
92.5°	257.2	175.0	164.0	155.1	153.4	138.8	128.2	133.1	134.7	127.4
95°	210.8	147.7	142.4	139.6	142.0	127.8	118.8	121.3	119.7	115.6
97.5°	179.5	134.7	131.1	127.0	124.5	114.4	106.6	109.9	111.5	107.9
100°	162.4	128.2	125.4	120.9	120.5	113.6	109.5	116.0	120.9	118.8
102.5°	151.8	121.7	118.0	114.0	112.7	107.0	103.8	107.9	112.3	108.3
105°	144.1	115.6	109.9	106.2	104.2	100.1	96.1	97.7	102.6	100.5
107.5°	136.8	115.2	106.2	103.4	103.4	98.1	92.4	92.8	95.2	94.8
110°	148.1	127.8	111.5	107.4	106.2	104.6	100.5	96.5	93.2	93.2

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

Scaled Data Report

REPORT NUMBER: P981430
CATALOG NUMBER: FFX-CLB-40-730-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	177.5	156.7	140.0	127.0	121.7	115.6	107.0	100.9	96.5	95.2
115°	190.5	168.1	152.2	138.0	125.8	114.0	106.6	102.2	99.7	102.2
117.5°	179.5	148.6	146.5	131.9	120.5	111.1	109.1	101.7	105.8	105.8
120°	201.9	172.6	168.1	146.9	131.1	119.3	118.0	116.8	112.3	110.3
122.5°	295.1	256.8	238.5	207.2	179.9	155.5	141.6	122.5	109.1	106.2
125°	400.9	350.4	306.5	265.0	223.8	180.3	143.7	115.2	101.3	99.3
127.5°	402.1	350.8	302.4	251.9	207.2	161.6	129.0	109.1	99.3	98.9
130°	353.7	308.9	255.6	205.5	169.3	139.2	115.6	99.3	92.4	90.4
132.5°	281.6	241.8	207.6	176.6	149.0	123.3	102.2	90.8	86.7	86.3
135°	236.9	202.3	178.3	155.5	133.9	111.1	91.6	85.9	83.8	83.0
137.5°	193.3	172.6	157.9	139.6	118.8	100.1	87.1	84.7	83.8	82.2
140°	167.7	153.8	138.0	117.6	101.7	86.3	79.4	81.4	83.4	83.0
142.5°	136.8	126.6	114.8	101.3	90.4	83.4	80.6	81.8	81.8	82.2
145°	129.8	116.4	109.9	101.7	94.4	89.1	82.2	79.8	79.4	79.4
147.5°	120.5	115.2	111.1	105.4	94.4	84.7	76.9	75.7	77.3	76.9
150°	112.7	109.1	104.2	95.2	84.2	77.7	73.7	74.1	76.9	77.3
152.5°	95.6	93.6	90.4	84.7	76.9	73.7	71.6	73.3	75.3	75.7
155°	85.1	83.8	83.0	79.4	74.5	72.4	71.6	72.9	74.9	75.3
157.5°	84.2	81.4	80.2	77.7	74.1	72.0	72.0	73.3	74.5	74.9
160°	81.8	78.1	77.7	75.3	74.5	73.3	74.1	74.5	75.7	75.3
162.5°	79.8	77.3	76.9	75.3	76.1	77.3	77.3	77.7	78.6	78.1
165°	79.0	76.9	76.5	76.5	79.0	81.0	81.4	81.0	81.0	81.0
167.5°	79.8	78.6	78.1	79.0	81.0	83.4	83.8	83.0	82.2	81.8
170°	81.0	80.6	81.0	81.4	82.6	84.2	84.2	83.4	83.4	83.4
172.5°	82.2	83.0	83.4	83.4	84.7	85.5	85.9	85.5	85.5	85.5
175°	84.7	85.1	85.1	85.5	86.7	87.5	88.3	88.3	88.3	88.3
177.5°	87.5	87.5	87.5	87.9	88.3	89.5	89.9	90.8	91.2	91.2
180°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

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

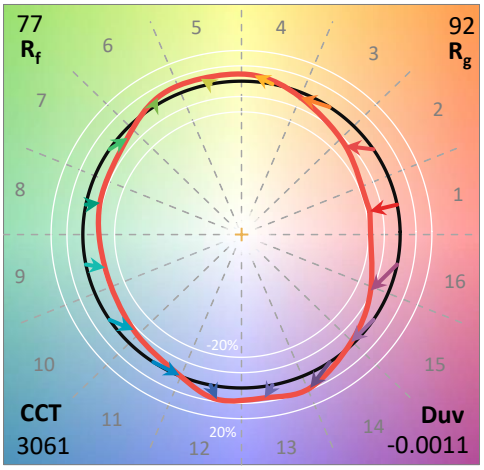
Test Information

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

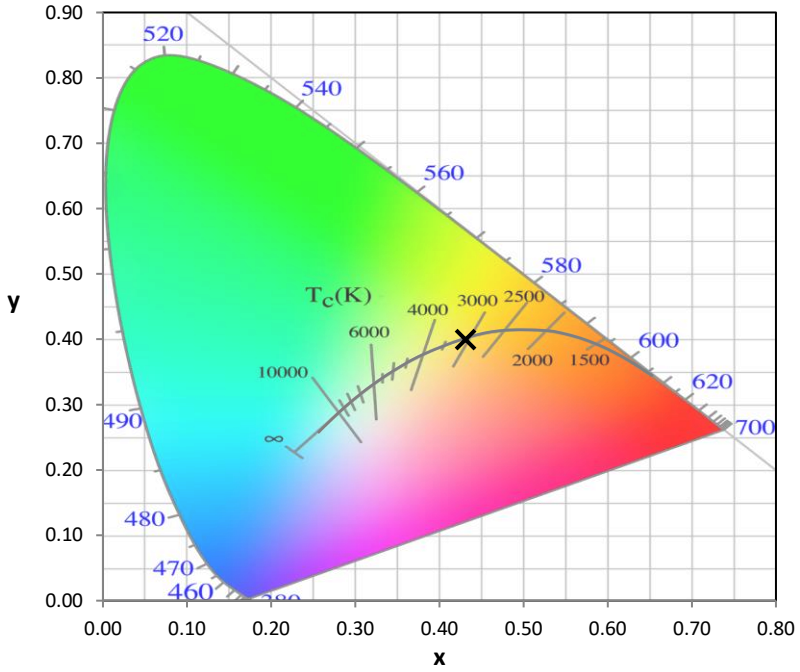
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

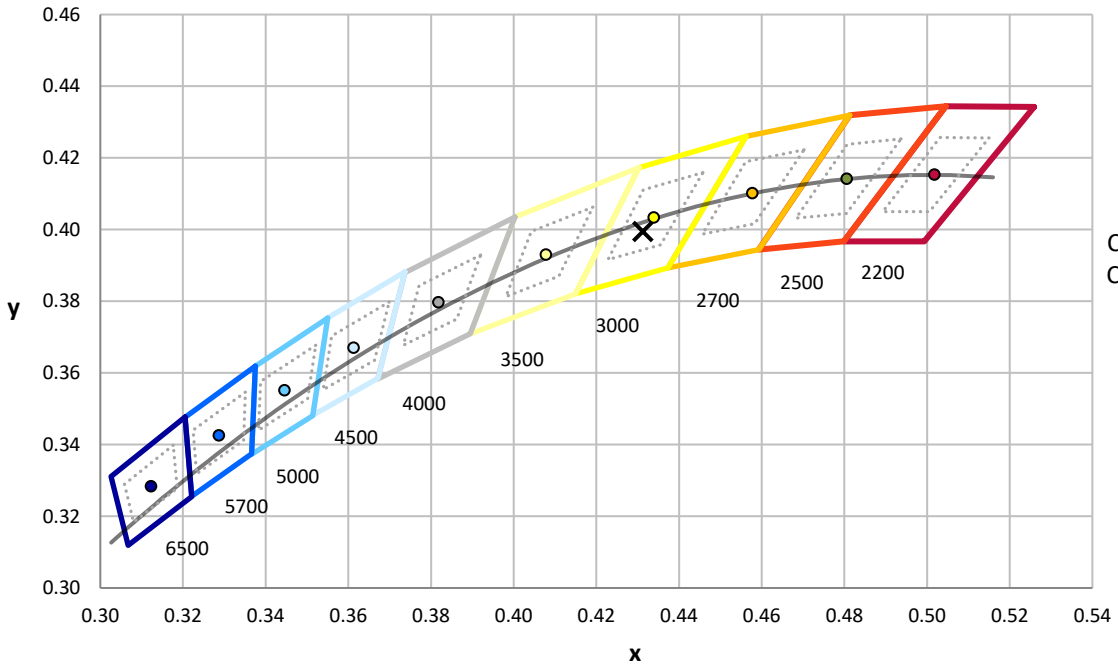
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

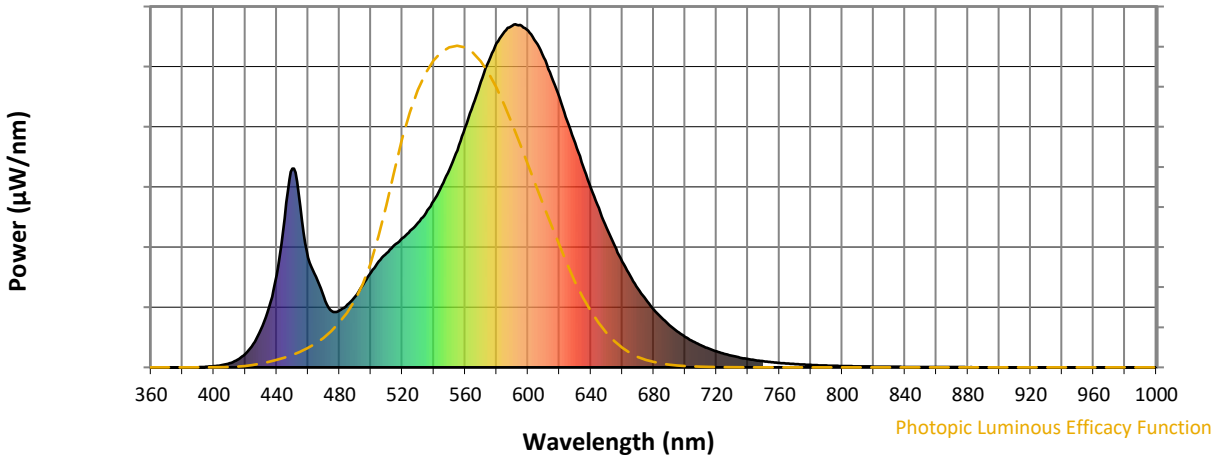


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

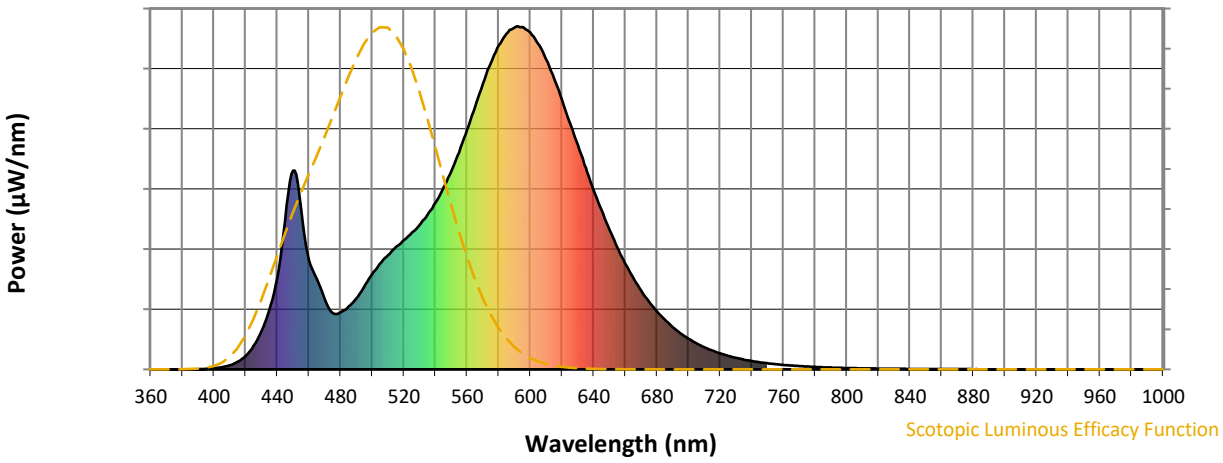


Photopic Lumens: NR

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

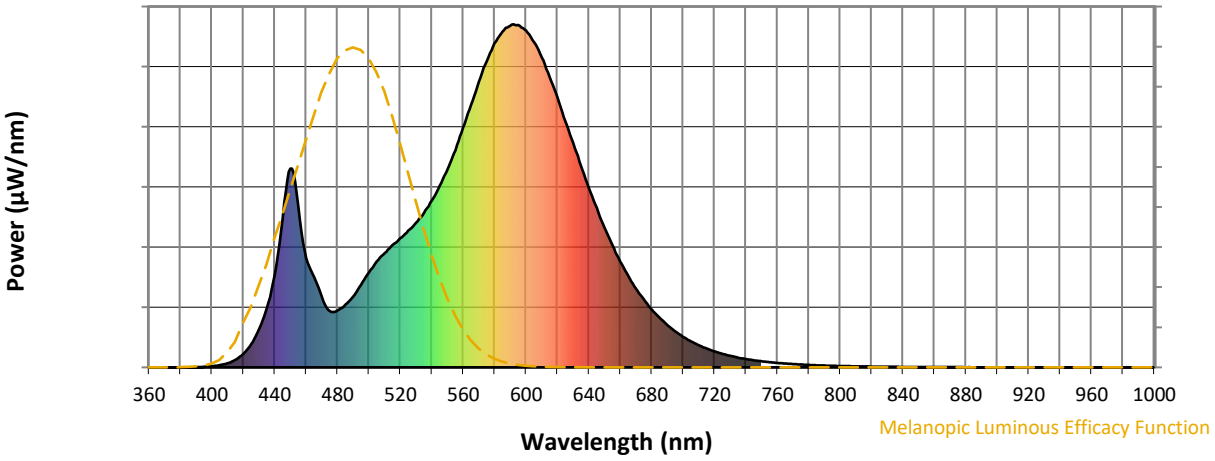


Scotopic Lumens: NR **S/P: 1.29**

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			

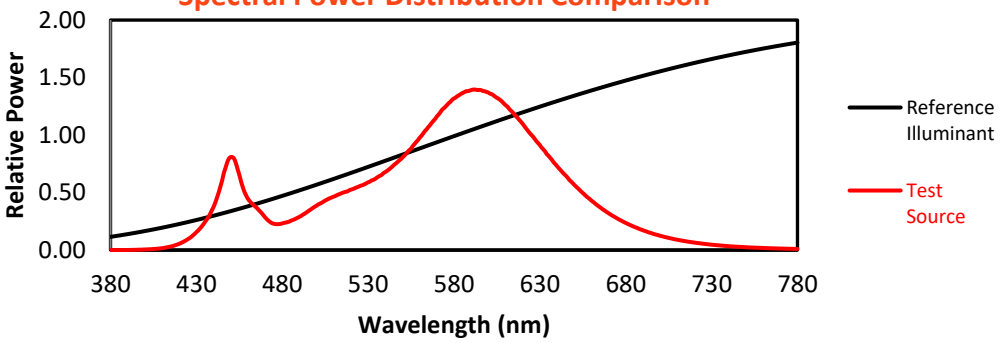
REPORT NUMBER: SP1-2501-332-4

TM-30-18

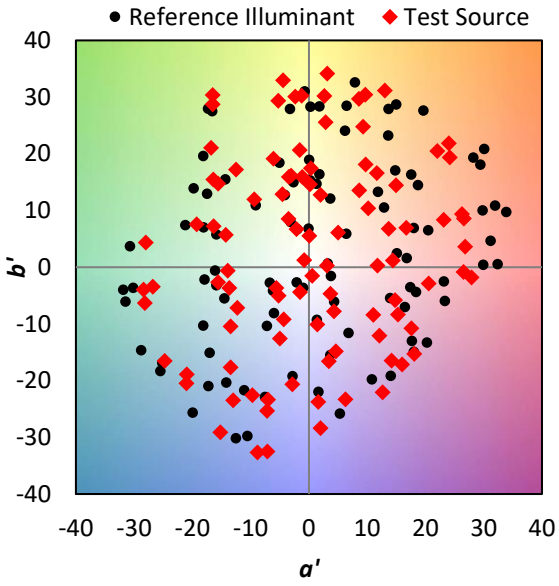
Summary

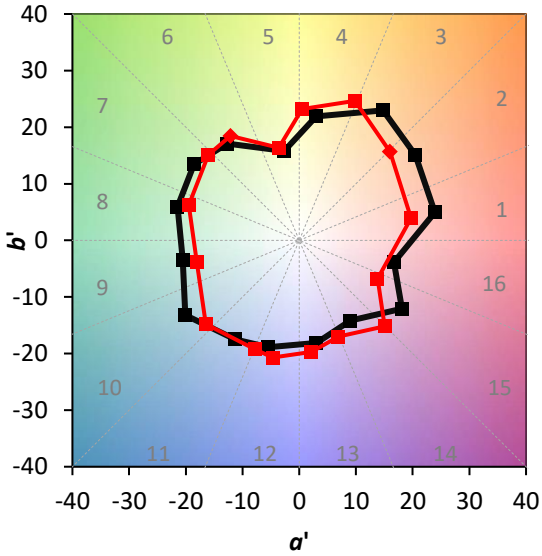
R_f = 76.8
R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

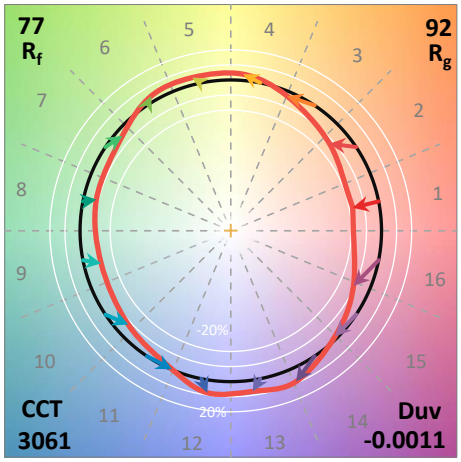
Spectral Power Distribution Comparison

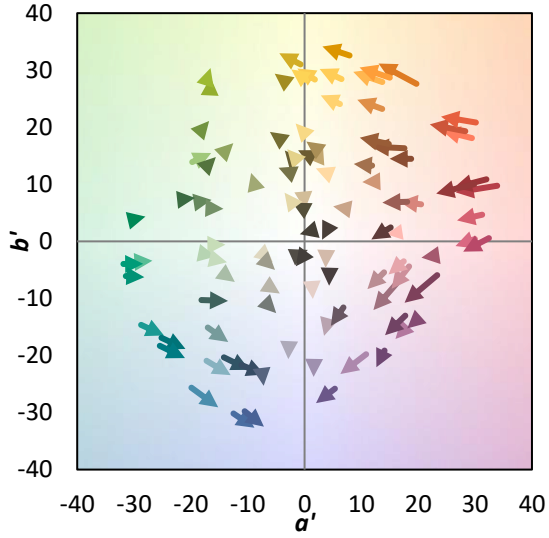


Color Vector Graphics







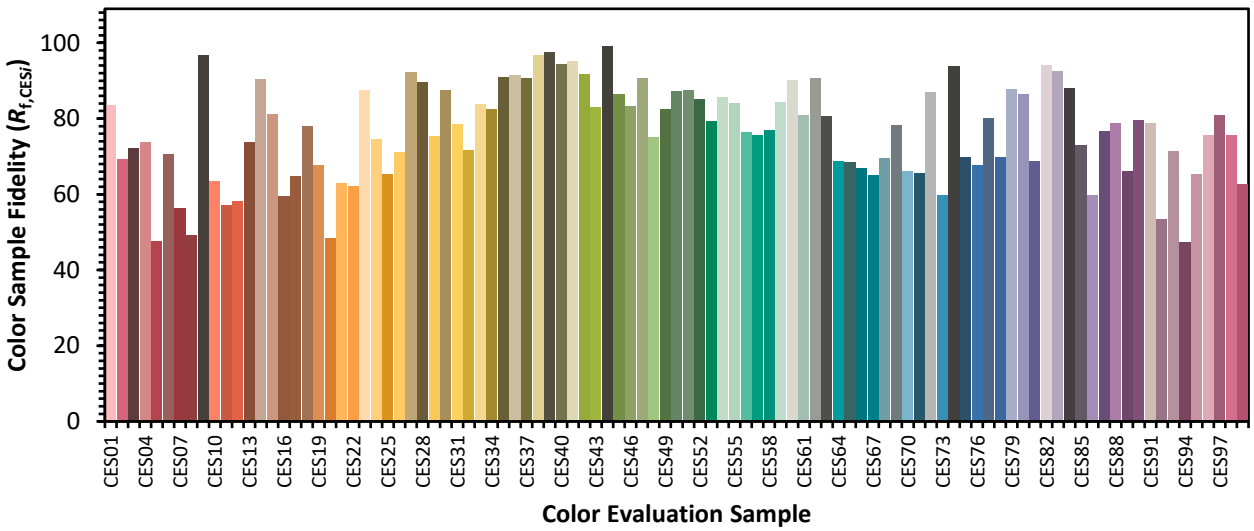


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

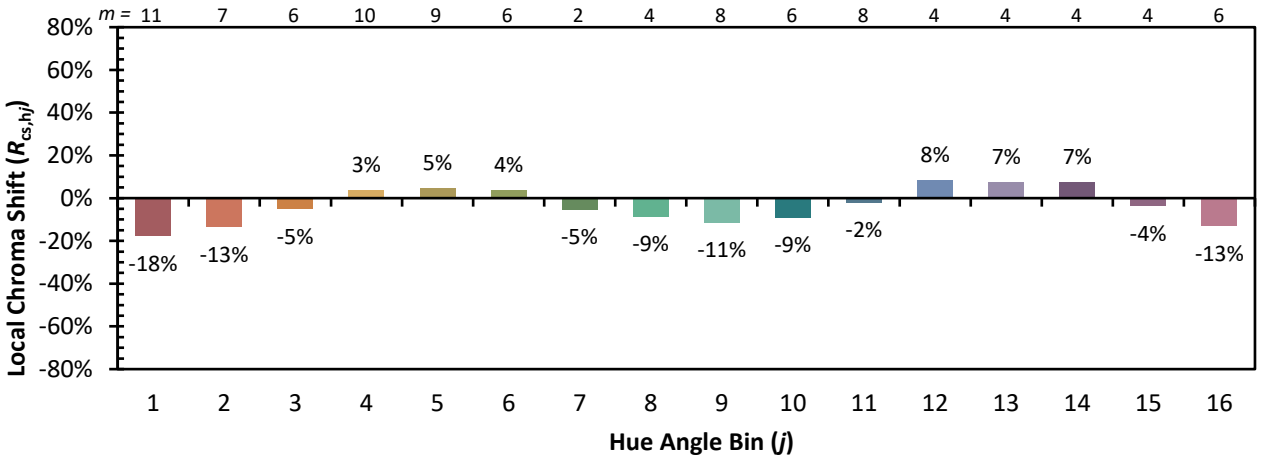
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

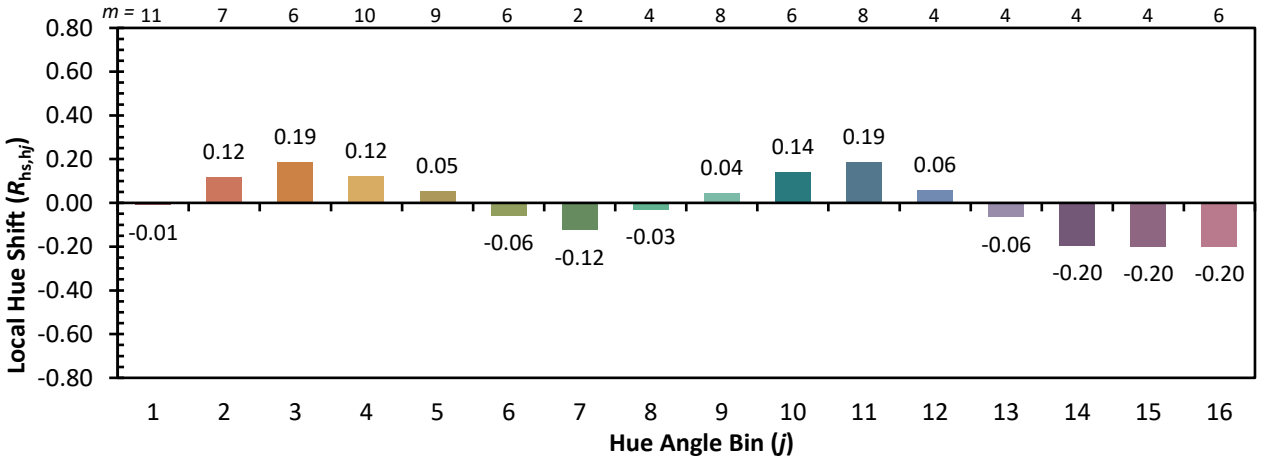


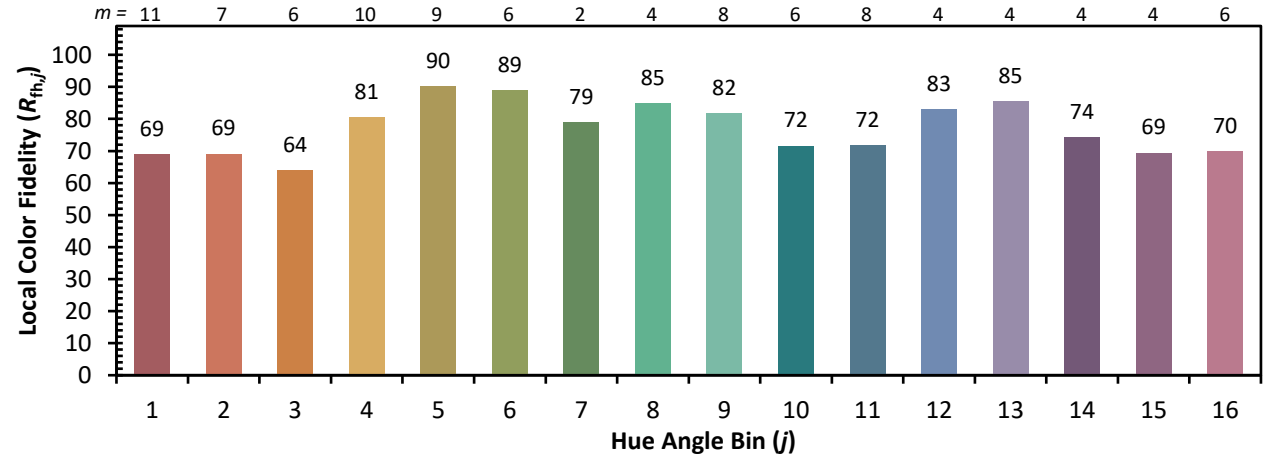
REPORT NUMBER: SP1-2501-332-4

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Color Rendition by Hue-Angle Bin



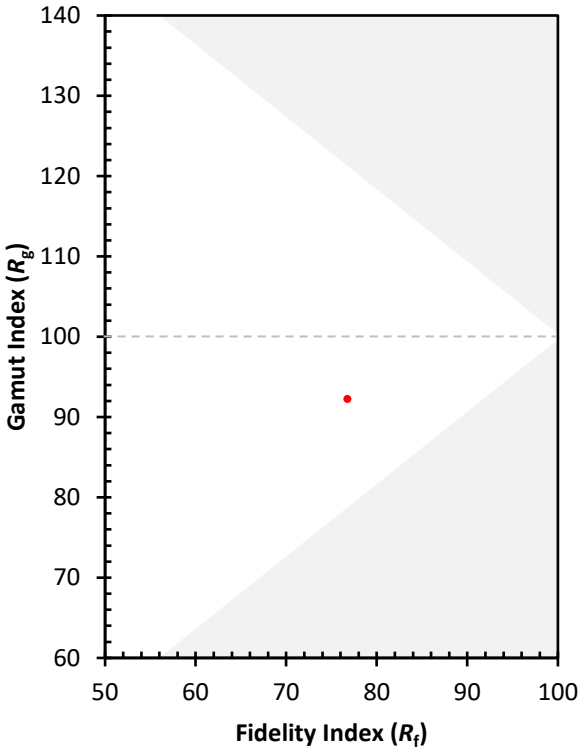


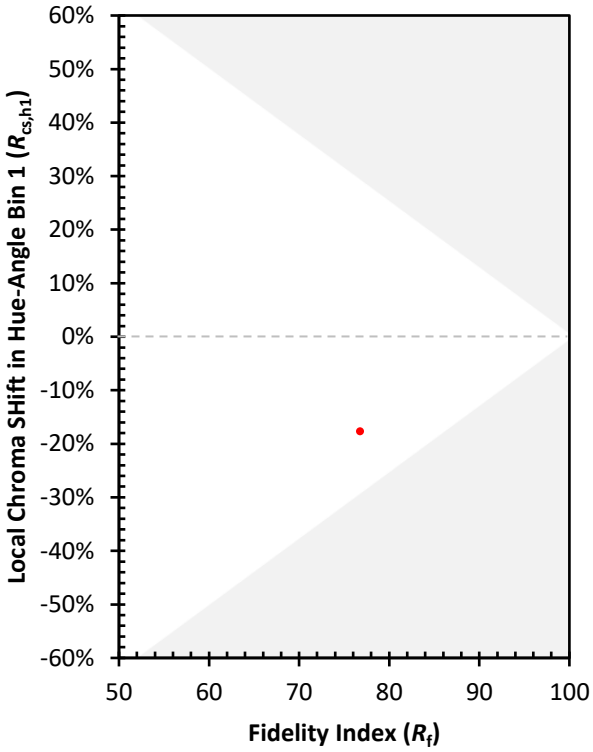


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Measure Comparisons





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