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: P1045752

Luminaire Tested: **FFX-CLB-80-730-U-FR-T5-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045752
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8180 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

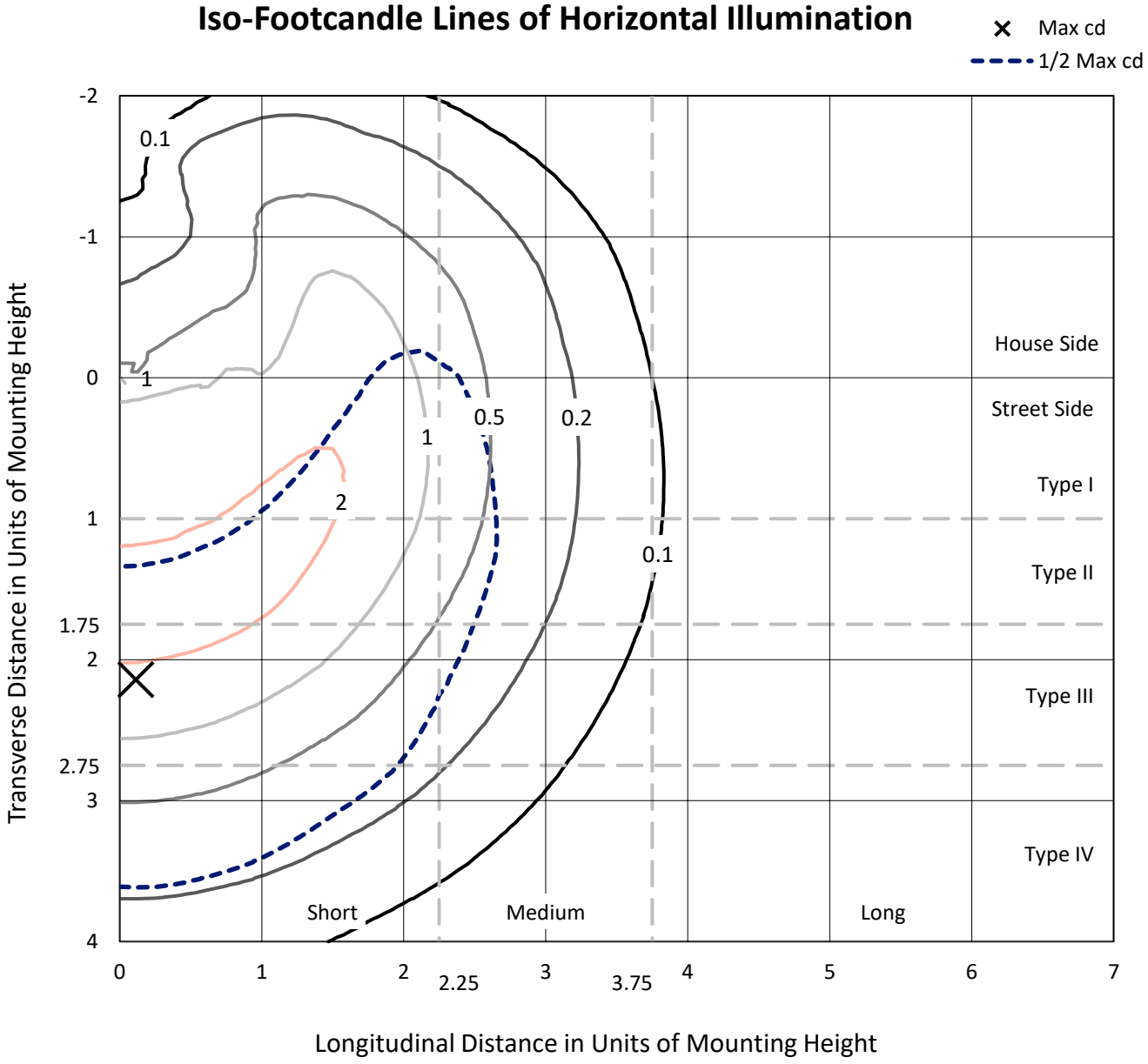


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Iso-Footcandle Lines of Horizontal Illumination



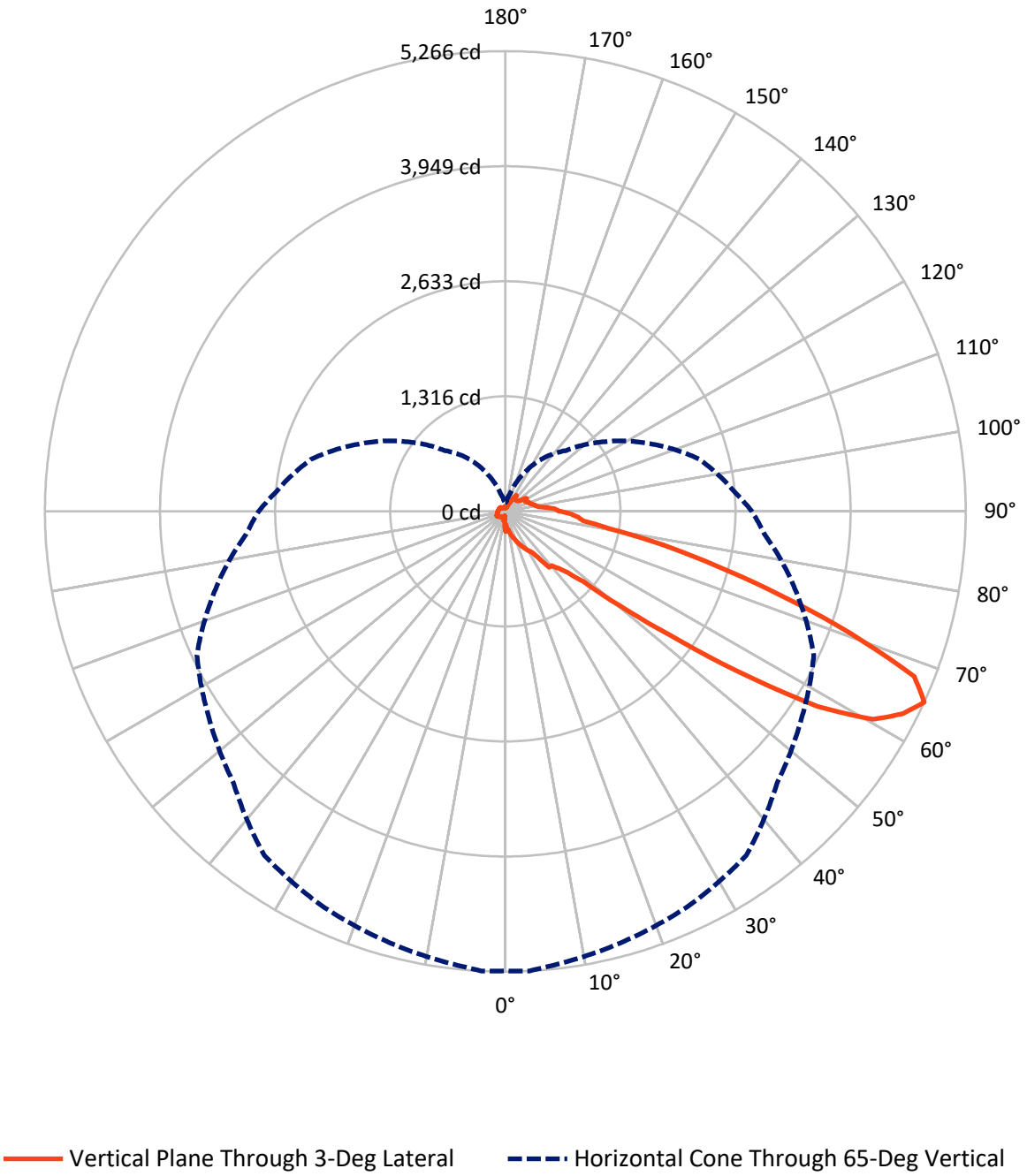
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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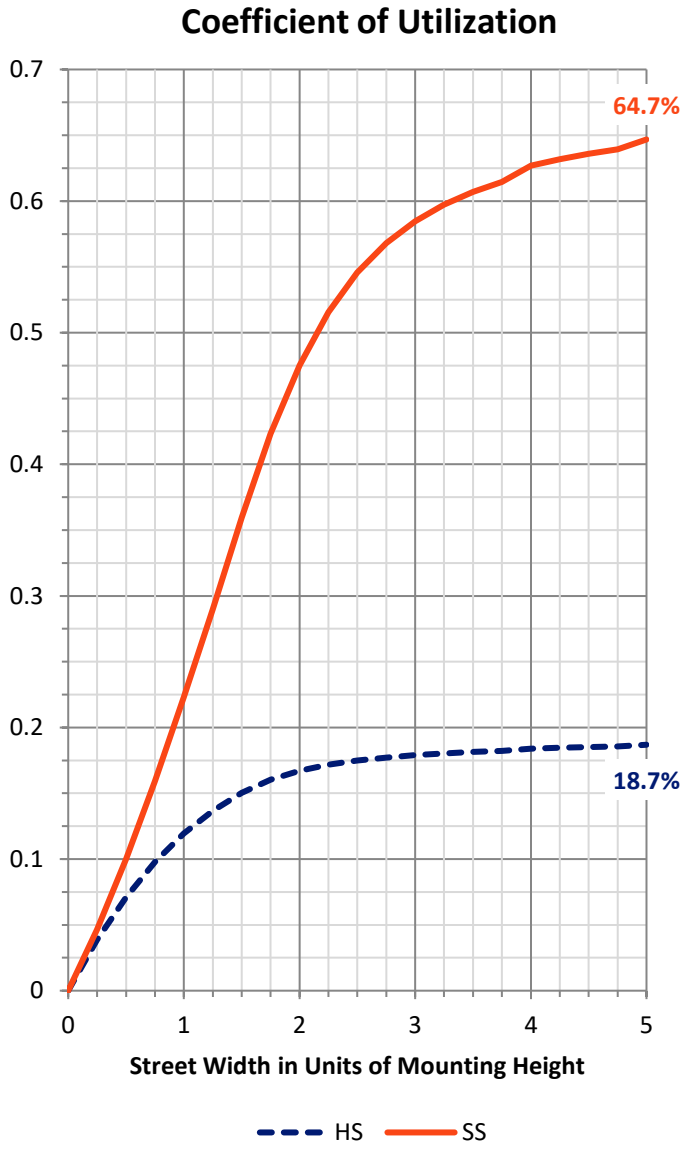
REPORT NUMBER: P1045752
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.6	344.1	1926.7
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	5518.5	734.8	6253.3
	% Fixture	67.5	9.0	76.4
Total	Lumens	7101.1	1078.9	8180.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.2
10°-20°	55.7	0.7
20°-30°	124.3	1.5
30°-40°	251.3	3.1
40°-50°	504.8	6.2
50°-60°	1620.1	19.8
60°-70°	2584.2	31.6
70°-80°	1405.7	17.2
80°-90°	540.2	6.6
90°-100°	322.0	3.9
100°-110°	213.7	2.6
110°-120°	170.3	2.1
120°-130°	141.9	1.7
130°-140°	97.7	1.2
140°-150°	78.9	1.0
150°-160°	35.2	0.4
160°-170°	14.3	0.2
170°-180°	4.8	0.1
0°-90°	7101.1	86.8
0°-180°	8180.0	100.0



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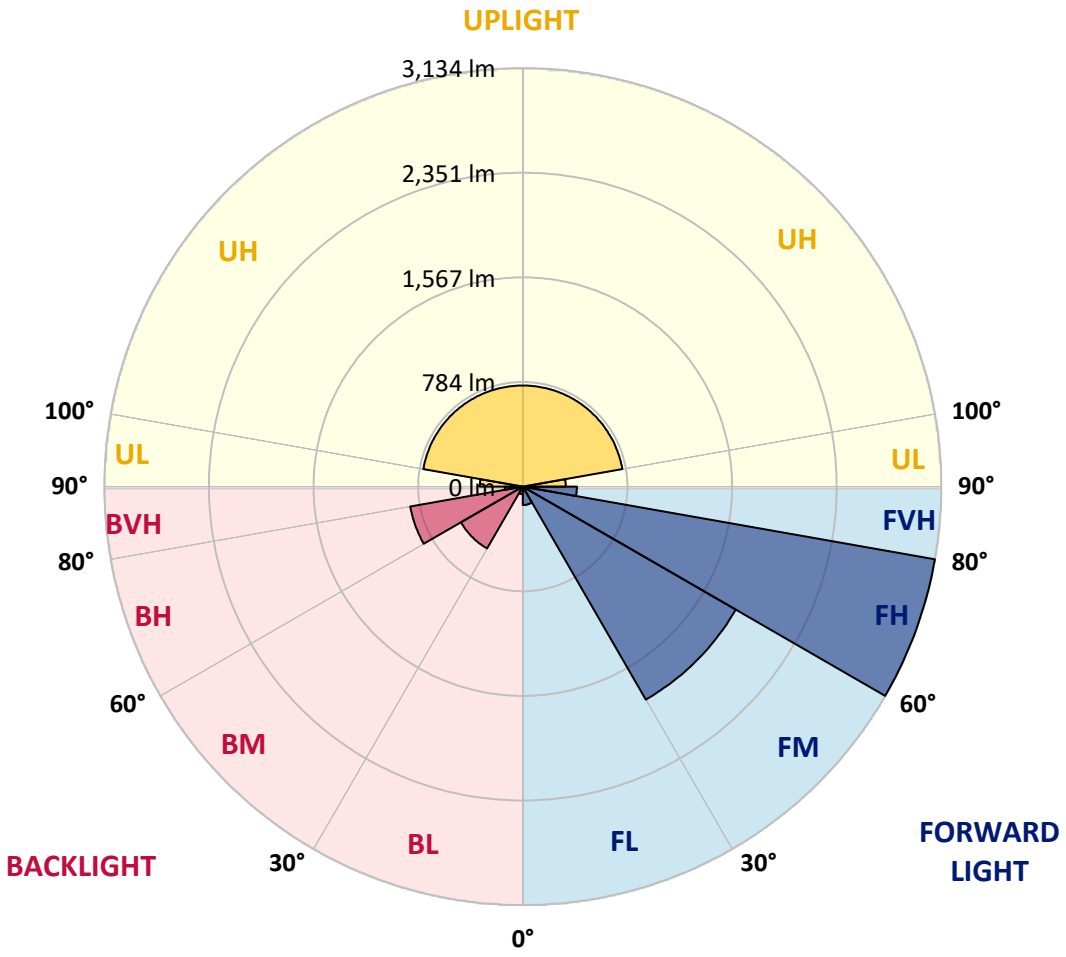
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	137.9	1.7			
FM	(30°-60°)	1841.6	22.5			
FH	(60°-80°)	3134.1	38.3			G2/5000
FVH	(80°-90°)	404.9	5.0			G3/500
BL	(0°-30°)	56.8	0.7	B0/110		
BM	(30°-60°)	534.7	6.5	B1/1000		
BH	(60°-80°)	855.9	10.5	B2/1000		G2/1000
BVH	(80°-90°)	135.2	1.7			G2/225
UL	(90°-100°)	322.0	3.9		U3/500	
UH	(100°-180°)	756.9	9.3		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2
2.5°	149.4	148.5	151.3	164.5	198.3	209.6	200.2	184.2	181.4	198.3	211.5
5°	203.9	202.1	200.2	187.0	173.9	180.4	199.2	203.9	185.1	150.4	127.8
7.5°	206.8	204.9	205.8	205.8	203.0	190.8	176.7	183.3	199.2	177.6	140.0
10°	230.3	229.3	229.3	228.4	225.6	221.8	220.9	206.8	182.3	163.5	156.0
12.5°	268.8	268.8	267.9	266.9	264.1	257.5	249.1	237.8	230.3	207.7	184.2
15°	299.8	297.0	298.9	296.0	291.3	287.6	277.3	265.0	242.5	227.4	206.8
17.5°	329.9	329.9	330.8	326.1	320.5	317.7	306.4	290.4	268.8	242.5	222.7
20°	367.5	364.7	364.7	360.0	353.4	344.0	333.6	319.5	301.7	266.0	239.7
22.5°	403.2	404.1	404.1	396.6	386.3	377.8	363.7	346.8	329.9	293.2	259.4
25°	443.6	442.7	441.7	440.8	430.4	415.4	397.5	379.7	367.5	331.8	284.8
27.5°	481.2	479.3	478.4	483.1	473.7	458.6	432.3	410.7	397.5	360.9	308.3
30°	522.5	521.6	521.6	523.5	519.7	496.2	468.0	442.7	423.9	387.2	330.8
32.5°	559.2	557.3	558.3	565.8	564.8	534.8	509.4	478.4	454.9	425.7	363.7
35°	649.4	645.7	651.3	662.6	671.0	639.1	604.3	556.4	520.7	490.6	426.7
37.5°	812.0	813.0	814.8	799.8	767.8	744.3	727.4	688.9	644.7	594.0	518.8
40°	818.6	817.7	822.4	844.9	858.1	817.7	778.2	733.1	721.8	678.6	582.7
42.5°	894.7	889.1	893.8	915.4	933.3	908.8	874.0	797.9	756.6	718.0	639.1
45°	1003.7	997.2	1005.6	1009.4	1005.6	979.3	984.9	922.9	884.4	806.4	696.4
47.5°	1170.1	1200.2	1204.9	1205.8	1243.4	1207.7	1185.1	1125.9	1038.5	945.5	820.5
50°	1642.8	1691.7	1674.8	1658.8	1661.6	1634.4	1603.4	1521.6	1404.1	1247.2	1068.6
52.5°	2344.9	2326.1	2328.9	2339.2	2365.6	2244.3	2191.7	2068.6	1878.7	1690.8	1433.2
55°	3203.9	3235.8	3234.0	3267.8	3263.1	3132.5	2966.1	2759.3	2483.0	2207.7	1903.2
57.5°	4265.9	4209.5	4171.9	4109.9	4056.3	3878.7	3768.7	3545.0	3179.5	2765.9	2375.0
60°	4861.8	4830.7	4821.3	4735.8	4662.5	4444.5	4218.0	3975.5	3689.8	3201.1	2757.5
62.5°	5085.4	5100.5	5087.3	5031.9	4983.0	4792.2	4411.6	4147.5	3891.8	3421.9	2954.8
65°	5257.4	5265.9	5235.8	5109.9	4976.4	4805.4	4395.6	4135.3	3892.8	3430.4	2973.6
67.5°	5046.9	5045.0	5021.5	4840.1	4614.6	4445.4	4073.2	3793.2	3587.3	3201.1	2760.3
70°	4190.7	4196.4	4201.1	4067.6	3820.4	3694.5	3317.6	3077.0	2899.4	2565.7	2249.0
72.5°	3281.0	3297.9	3305.4	3201.1	3017.8	2888.1	2636.2	2455.8	2290.4	2025.3	1776.3
75°	2468.0	2484.9	2480.2	2415.4	2286.6	2250.9	2128.7	1974.6	1836.4	1630.6	1420.1
77.5°	1851.5	1837.4	1833.6	1770.6	1643.8	1653.2	1618.4	1530.0	1422.9	1301.7	1155.1
80°	1226.5	1214.3	1189.8	1211.4	1201.1	1171.0	1113.7	1068.6	1026.3	953.9	874.0
82.5°	902.2	898.5	893.8	879.7	870.3	862.8	837.4	765.0	714.3	672.9	625.0
85°	844.0	832.7	834.6	810.1	781.0	754.7	734.9	703.9	664.5	599.6	530.1
87.5°	736.8	736.8	731.2	714.3	685.1	678.6	664.5	642.8	619.3	569.5	507.5
90°	612.8	609.0	609.0	608.1	601.5	596.8	569.5	549.8	539.5	489.7	446.4
92.5°	565.8	563.9	560.1	555.4	536.6	532.9	505.6	480.3	457.7	426.7	392.9
95°	459.6	463.3	454.9	453.9	444.5	438.9	417.3	405.1	390.0	364.7	333.6
97.5°	388.2	382.5	383.5	375.0	365.6	361.8	348.7	330.8	316.7	297.0	274.4
100°	356.2	355.3	353.4	346.8	333.6	325.2	311.1	294.2	280.1	262.2	243.4
102.5°	335.5	334.6	333.6	328.0	313.0	308.3	295.1	281.9	269.7	253.8	229.3
105°	314.8	313.9	312.0	305.4	296.0	291.3	279.1	271.6	259.4	245.3	221.8
107.5°	296.0	296.0	295.1	287.6	281.9	278.2	266.0	259.4	246.2	234.0	211.5
110°	286.6	286.6	285.7	280.1	268.8	263.2	251.9	243.4	231.2	219.0	201.1

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	276.3	*277.3*	277.3	279.1	251.9	241.5	232.1	225.6	215.2	203.9	188.9
115°	252.8	*253.8*	252.8	262.2	252.8	238.7	233.1	221.8	208.6	190.8	174.8
117.5°	254.7	*254.7*	256.6	261.3	256.6	243.4	231.2	217.1	205.8	188.0	173.9
120°	288.5	*286.6*	286.6	277.3	275.4	263.2	254.7	239.7	220.9	203.0	183.3
122.5°	277.3	*276.3*	277.3	262.2	261.3	258.5	255.6	252.8	228.4	218.0	192.7
125°	221.8	*219.9*	219.0	213.3	222.7	216.2	214.3	220.9	204.9	195.5	181.4
127.5°	198.3	*196.4*	195.5	193.6	199.2	188.0	186.1	188.0	175.7	164.5	156.0
130°	189.8	*187.0*	187.0	193.6	202.1	192.7	182.3	174.8	170.1	162.6	148.5
132.5°	179.5	*179.5*	180.4	188.9	203.9	193.6	174.8	159.8	157.9	158.8	152.3
135°	176.7	*175.7*	176.7	173.9	172.9	167.3	158.8	146.6	143.8	151.3	143.8
137.5°	181.4	*180.4*	179.5	172.0	163.5	158.8	157.0	149.4	141.9	137.2	129.7
140°	179.5	*179.5*	178.6	176.7	171.0	161.7	159.8	152.3	144.7	136.3	126.9
142.5°	182.3	*185.1*	187.0	188.9	187.0	176.7	166.4	154.1	145.7	141.0	130.6
145°	224.6	*224.6*	224.6	220.9	214.3	205.8	198.3	189.8	183.3	168.2	154.1
147.5°	186.1	*186.1*	185.1	186.1	186.1	182.3	181.4	178.6	179.5	172.0	157.9
150°	128.8	*131.6*	131.6	136.3	138.2	136.3	136.3	138.2	135.3	134.4	126.9
152.5°	104.3	*103.4*	101.5	103.4	103.4	104.3	104.3	102.4	101.5	101.5	96.8
155°	92.1	*92.1*	92.1	91.2	89.3	90.2	91.2	91.2	88.3	86.5	82.7
157.5°	73.3	*72.4*	72.4	74.2	74.2	74.2	74.2	74.2	74.2	75.2	76.1
160°	62.0	*60.1*	61.1	61.1	62.0	63.0	62.0	63.0	63.0	63.9	63.0
162.5°	50.8	*49.8*	49.8	50.8	51.7	52.6	53.6	53.6	54.5	56.4	57.3
165°	45.1	*45.1*	45.1	46.1	46.1	47.0	47.9	48.9	50.8	53.6	54.5
167.5°	42.3	*42.3*	42.3	42.3	43.2	44.2	46.1	48.9	50.8	53.6	53.6
170°	41.4	*41.4*	42.3	42.3	42.3	43.2	47.0	49.8	50.8	51.7	51.7
172.5°	43.2	*43.2*	43.2	43.2	43.2	45.1	49.8	50.8	50.8	50.8	51.7
175°	45.1	*45.1*	44.2	44.2	45.1	46.1	47.0	51.7	53.6	54.5	56.4
177.5°	42.3	*42.3*	42.3	43.2	43.2	44.2	45.1	47.0	47.0	48.9	51.7
180°	47.0	*47.0*	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2
2.5°	220.9	236.8	217.1	196.4	181.4	189.8	199.2	191.7	183.3	184.2	168.2
5°	132.5	136.3	138.2	120.3	99.6	110.9	135.3	126.9	97.7	54.5	47.0
7.5°	127.8	122.2	120.3	133.5	121.2	80.8	63.0	57.3	76.1	91.2	95.9
10°	151.3	144.7	130.6	107.1	94.9	89.3	87.4	83.6	72.4	56.4	53.6
12.5°	173.9	166.4	153.2	141.9	125.9	105.3	92.1	88.3	94.9	106.2	106.2
15°	196.4	186.1	169.2	154.1	141.9	119.4	102.4	87.4	85.5	88.3	88.3
17.5°	212.4	201.1	181.4	160.7	139.1	117.5	97.7	82.7	76.1	74.2	74.2
20°	228.4	218.0	194.5	172.0	145.7	120.3	97.7	81.8	74.2	71.4	70.5
22.5°	249.1	235.9	209.6	185.1	153.2	122.2	96.8	82.7	74.2	69.5	68.6
25°	272.6	257.5	227.4	198.3	160.7	124.1	97.7	83.6	75.2	69.5	68.6
27.5°	291.3	275.4	246.2	213.3	170.1	128.8	101.5	85.5	76.1	70.5	69.5
30°	313.0	296.0	263.2	229.3	181.4	136.3	109.0	91.2	79.9	72.4	72.4
32.5°	345.9	323.3	286.6	244.4	192.7	144.7	117.5	97.7	83.6	78.0	78.0
35°	399.4	376.9	328.0	273.5	204.9	153.2	124.1	104.3	88.3	80.8	80.8
37.5°	485.0	451.1	396.6	321.4	224.6	159.8	131.6	109.0	91.2	80.8	78.9
40°	534.8	497.2	428.6	357.1	249.1	168.2	137.2	112.8	93.0	81.8	80.8
42.5°	590.2	547.0	458.6	366.5	265.0	188.0	145.7	116.5	94.9	84.6	82.7
45°	648.5	607.1	527.2	416.3	302.6	215.2	159.8	124.1	100.6	88.3	86.5
47.5°	754.7	703.9	600.6	486.8	358.1	258.5	190.8	136.3	107.1	92.1	90.2
50°	993.4	946.4	802.6	632.5	446.4	320.5	238.7	161.7	117.5	94.9	92.1
52.5°	1316.7	1233.1	1070.5	857.1	623.1	449.2	318.6	218.0	133.5	97.7	93.0
55°	1786.6	1693.6	1453.0	1174.8	853.4	652.2	482.1	328.0	189.8	100.6	92.1
57.5°	2253.7	2140.9	1938.9	1558.2	1146.6	831.8	644.7	480.3	276.3	112.8	94.9
60°	2588.3	2451.1	2201.1	1852.4	1391.0	978.4	728.4	523.5	307.3	115.6	97.7
62.5°	2785.7	2613.7	2299.8	1883.4	1449.2	1039.5	762.2	494.4	264.1	112.8	101.5
65°	*2821.4*	*2625.9*	*2299.8*	*1829.9*	*1389.1*	*985.9*	*736.8*	*456.8*	*208.6*	*108.1*	*104.3*
67.5°	2616.5	2434.2	2158.8	1680.4	1232.1	846.8	634.4	375.9	158.8	104.3	103.4
70°	2147.5	2010.3	1785.7	1373.1	1000.0	688.9	504.7	289.5	128.8	99.6	97.7
72.5°	1675.7	1548.8	1380.6	1077.0	773.5	546.0	385.3	226.5	114.7	95.9	94.9
75°	1318.6	1223.7	1084.6	850.5	581.8	413.5	292.3	171.0	103.4	94.0	92.1
77.5°	1078.9	1016.9	873.1	649.4	434.2	307.3	218.0	136.3	98.7	92.1	91.2
80°	839.3	787.6	697.4	485.9	311.1	231.2	172.0	120.3	95.9	91.2	90.2
82.5°	598.7	580.8	504.7	377.8	259.4	198.3	155.1	115.6	94.9	90.2	89.3
85°	500.0	474.6	418.2	328.0	238.7	188.9	148.5	113.7	94.9	90.2	89.3
87.5°	483.1	460.5	408.8	313.0	224.6	177.6	141.9	110.0	93.0	88.3	88.3
90°	426.7	404.1	364.7	281.9	206.8	165.4	132.5	104.3	89.3	84.6	84.6
92.5°	377.8	364.7	327.1	258.5	198.3	158.8	127.8	101.5	87.4	83.6	82.7
95°	319.5	308.3	279.1	233.1	186.1	151.3	124.1	98.7	85.5	81.8	81.8
97.5°	265.0	255.6	233.1	197.4	160.7	134.4	111.8	93.0	82.7	79.9	79.9
100°	234.0	226.5	206.8	177.6	148.5	125.9	108.1	92.1	81.8	78.0	78.0
102.5°	221.8	214.3	194.5	168.2	141.0	120.3	105.3	90.2	80.8	77.1	76.1
105°	212.4	204.9	187.0	159.8	133.5	114.7	99.6	88.3	78.9	76.1	75.2
107.5°	203.0	194.5	177.6	150.4	126.9	109.0	95.9	85.5	78.0	75.2	75.2
110°	192.7	185.1	169.2	142.9	122.2	105.3	94.0	84.6	78.0	75.2	75.2

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

Scaled Data Report

REPORT NUMBER: P1045752
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	181.4	173.9	158.8	135.3	117.5	102.4	92.1	83.6	78.0	75.2	75.2
115°	168.2	161.7	147.6	127.8	111.8	98.7	89.3	81.8	76.1	74.2	74.2
117.5°	164.5	157.0	142.9	125.0	110.0	95.9	87.4	79.9	75.2	73.3	73.3
120°	172.9	162.6	147.6	130.6	110.0	94.0	85.5	78.9	74.2	72.4	72.4
122.5°	184.2	175.7	158.8	127.8	106.2	92.1	83.6	78.0	73.3	72.4	72.4
125°	173.9	168.2	152.3	118.4	102.4	90.2	82.7	78.0	74.2	72.4	72.4
127.5°	152.3	146.6	134.4	112.8	98.7	88.3	81.8	78.0	75.2	72.4	72.4
130°	143.8	136.3	125.0	108.1	94.9	85.5	80.8	78.0	75.2	71.4	70.5
132.5°	147.6	141.0	123.1	101.5	89.3	81.8	78.0	76.1	70.5	66.7	65.8
135°	139.1	132.5	114.7	96.8	86.5	80.8	77.1	71.4	65.8	61.1	61.1
137.5°	124.1	116.5	106.2	93.0	85.5	82.7	78.0	70.5	63.0	59.2	59.2
140°	123.1	114.7	105.3	92.1	83.6	76.1	70.5	63.0	57.3	55.5	54.5
142.5°	125.0	119.4	106.2	91.2	79.9	70.5	63.9	58.3	54.5	51.7	51.7
145°	144.7	136.3	119.4	99.6	86.5	75.2	65.8	58.3	52.6	47.9	47.0
147.5°	149.4	141.0	125.9	109.0	92.1	78.0	64.8	55.5	47.9	44.2	43.2
150°	125.0	119.4	110.9	97.7	82.7	68.6	57.3	48.9	44.2	42.3	41.4
152.5°	94.9	93.0	87.4	78.0	67.7	58.3	50.8	46.1	43.2	42.3	41.4
155°	80.8	79.9	74.2	66.7	58.3	51.7	47.0	44.2	42.3	42.3	41.4
157.5°	75.2	73.3	68.6	61.1	53.6	49.8	45.1	43.2	42.3	42.3	42.3
160°	63.0	61.1	57.3	54.5	49.8	47.0	44.2	43.2	42.3	42.3	41.4
162.5°	56.4	54.5	52.6	49.8	48.9	47.9	47.0	45.1	44.2	43.2	43.2
165°	53.6	52.6	49.8	48.9	48.9	49.8	49.8	47.9	46.1	44.2	44.2
167.5°	52.6	51.7	49.8	48.9	50.8	51.7	52.6	50.8	48.9	46.1	45.1
170°	52.6	52.6	51.7	50.8	51.7	52.6	53.6	53.6	52.6	50.8	50.8
172.5°	52.6	53.6	52.6	52.6	52.6	52.6	52.6	54.5	54.5	53.6	53.6
175°	56.4	56.4	53.6	52.6	53.6	54.5	55.5	54.5	54.5	55.5	55.5
177.5°	51.7	53.6	57.3	58.3	60.1	60.1	58.3	57.3	54.5	53.6	53.6
180°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

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

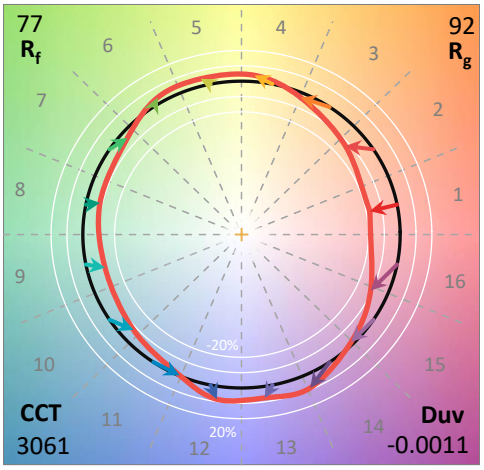
Test Information

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

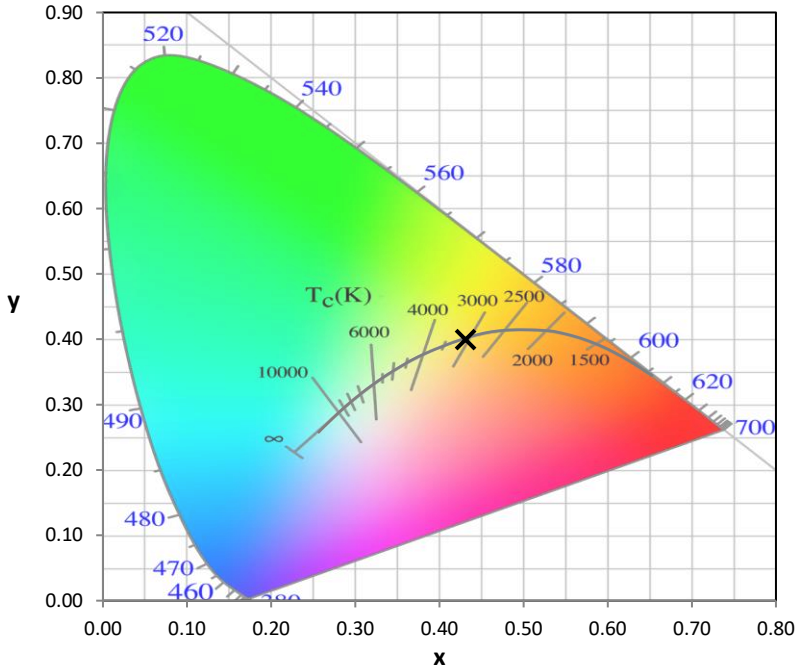
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

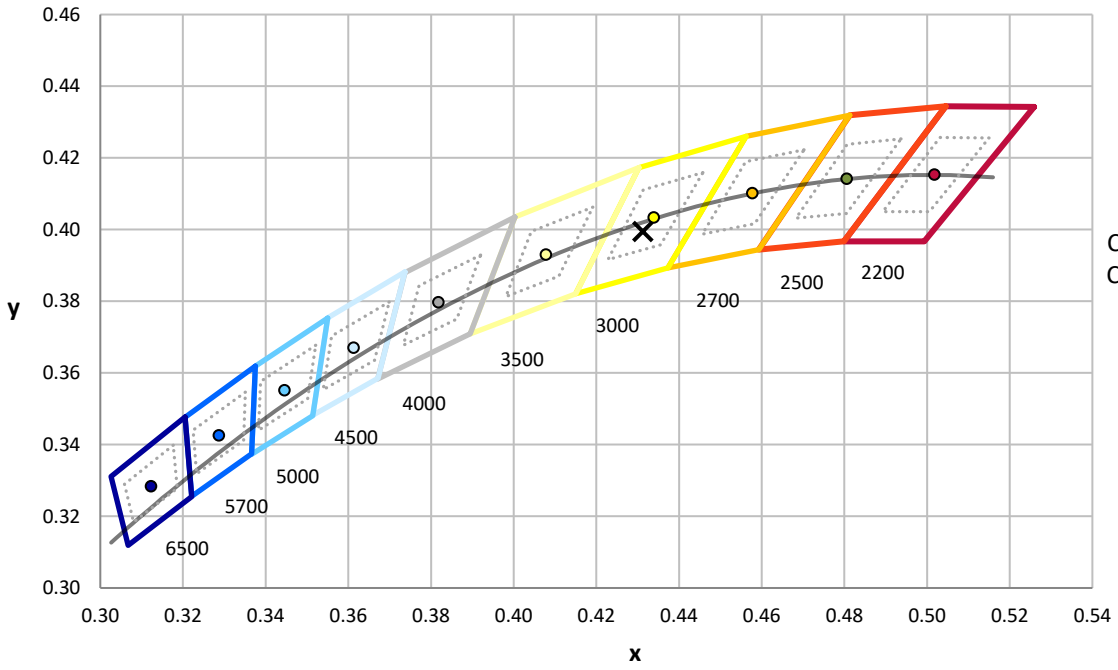
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

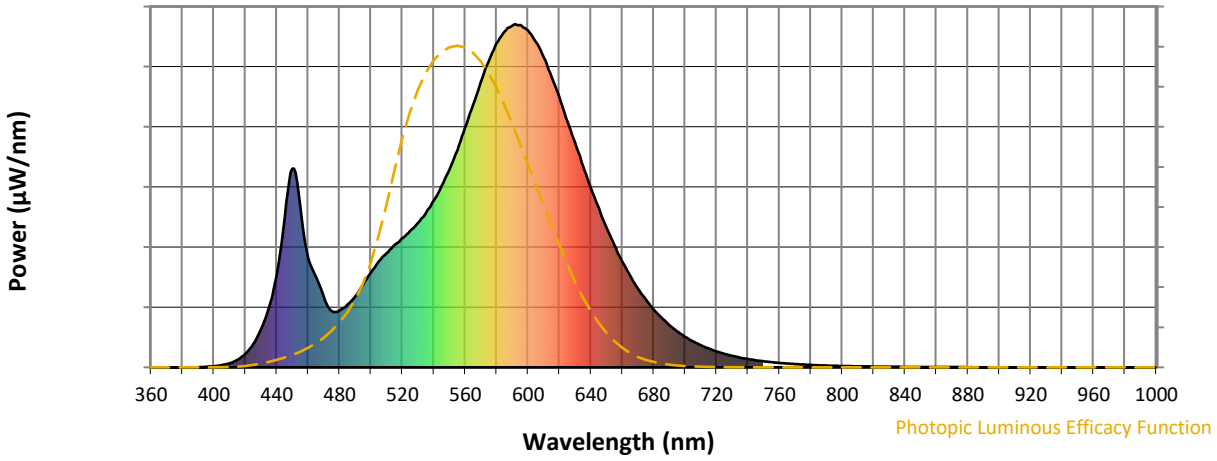


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

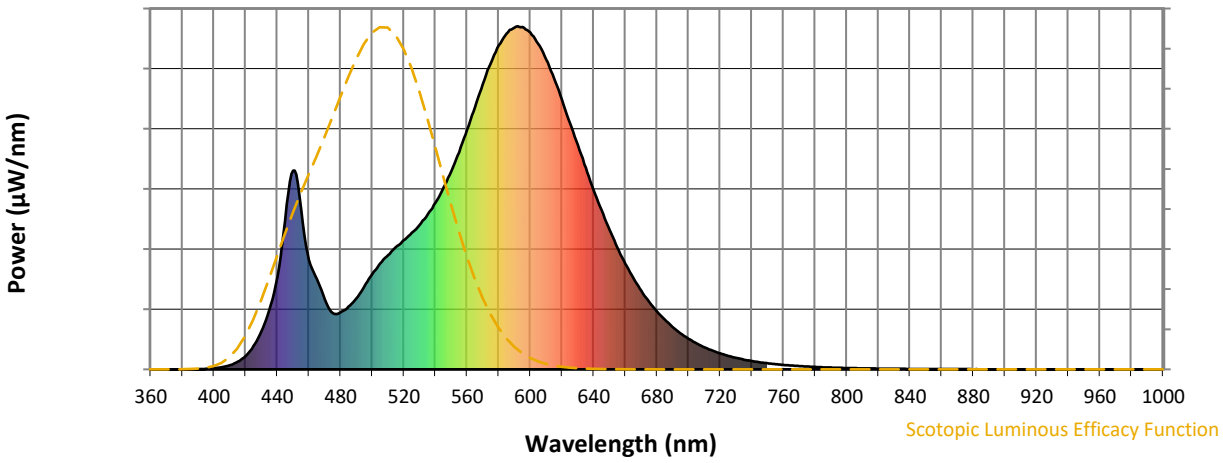


Photopic Lumens: NR

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

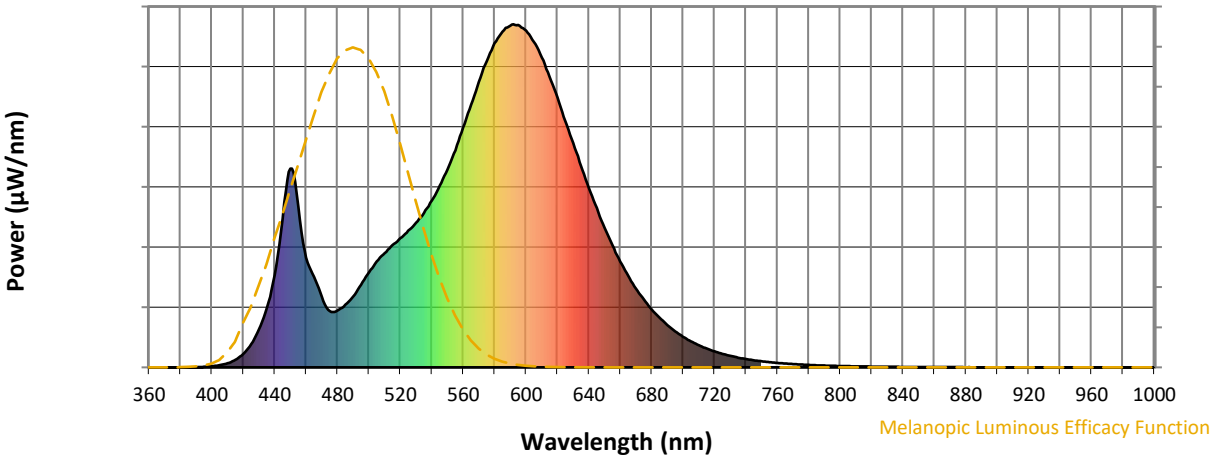


Scotopic Lumens: NR **S/P: 1.29**

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			

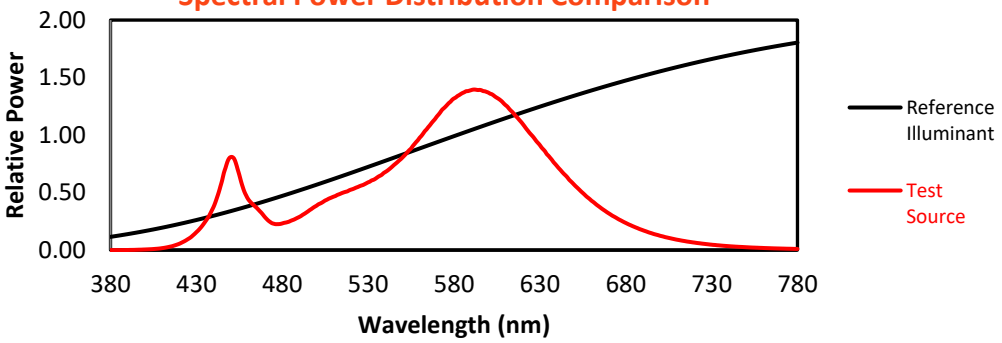
REPORT NUMBER: SP1-2501-332-4

TM-30-18

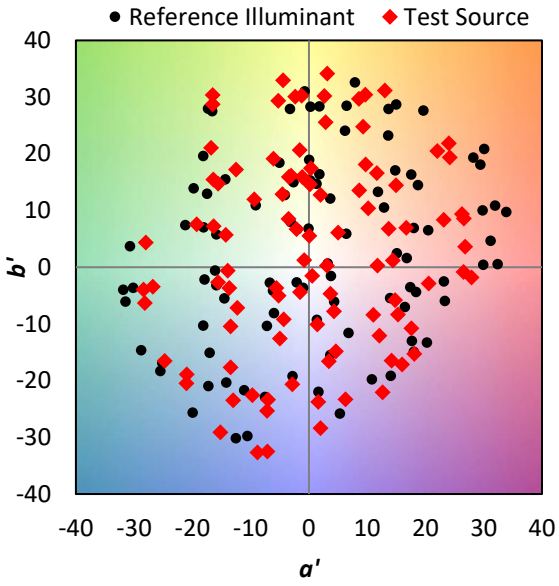
Summary

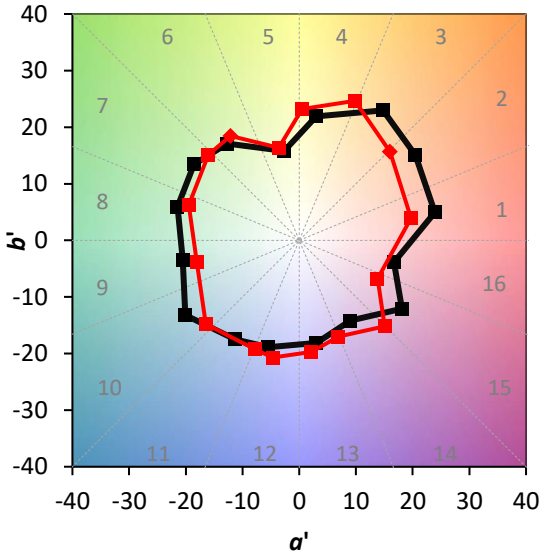
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

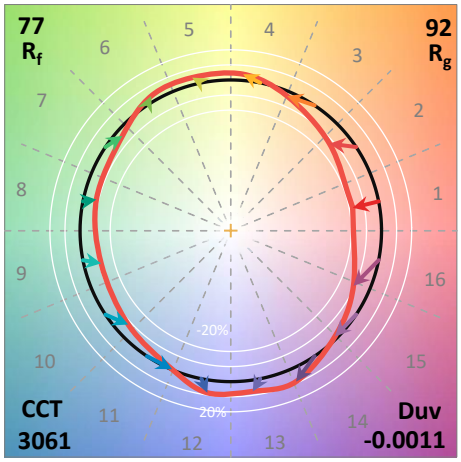
Spectral Power Distribution Comparison

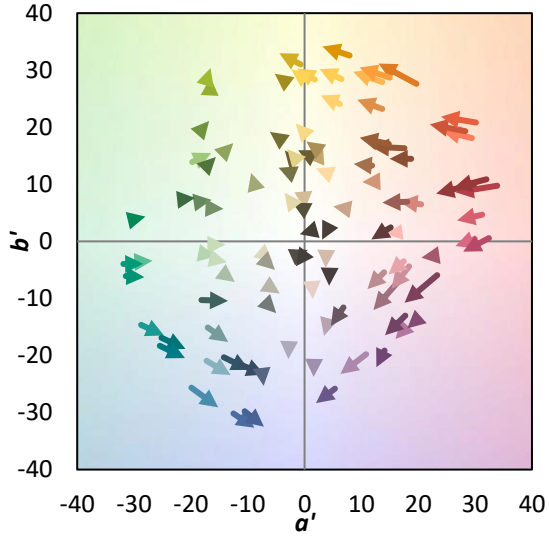


Color Vector Graphics







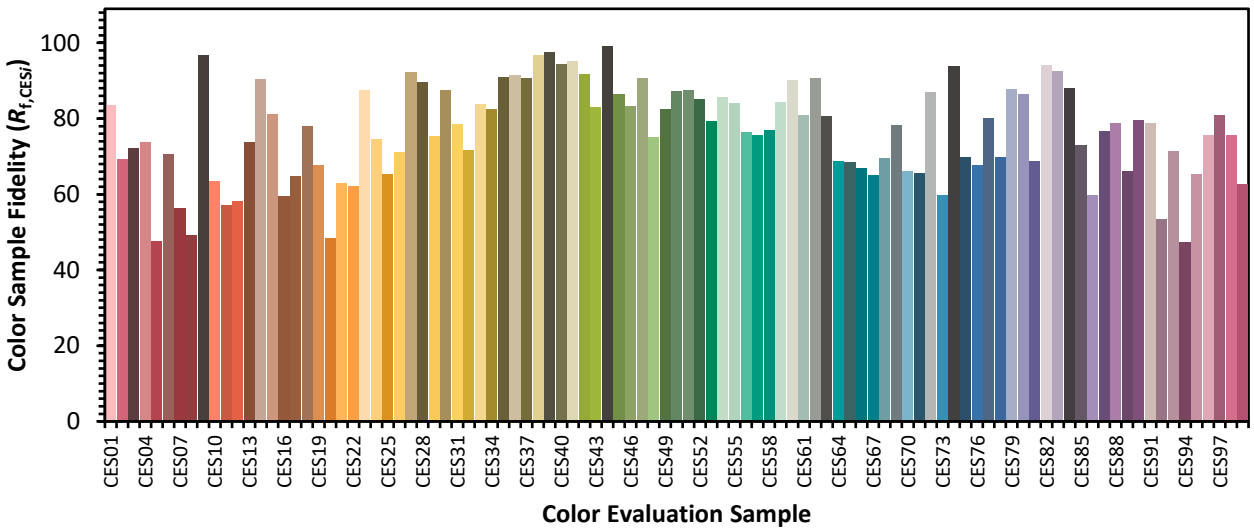


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

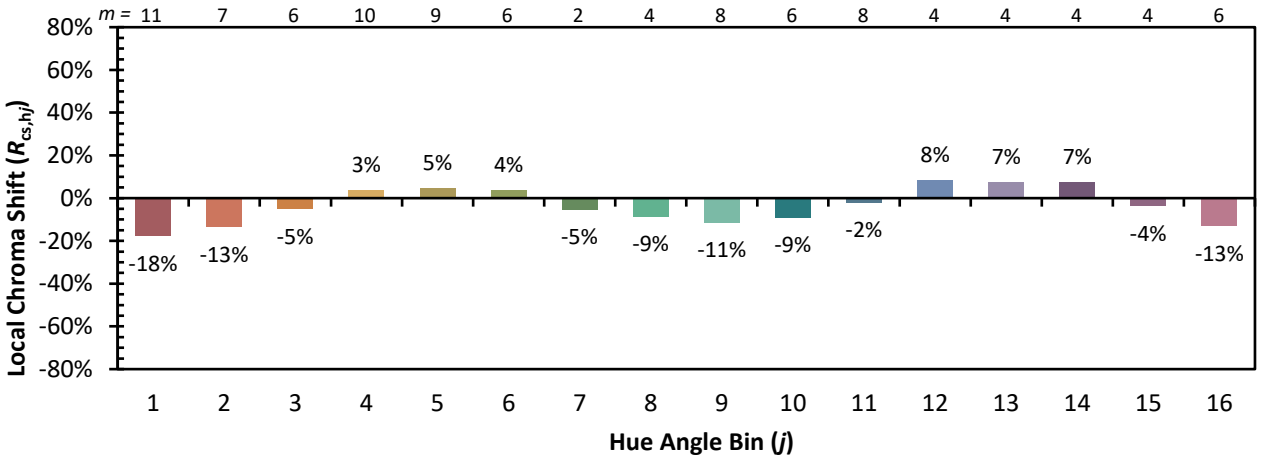
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

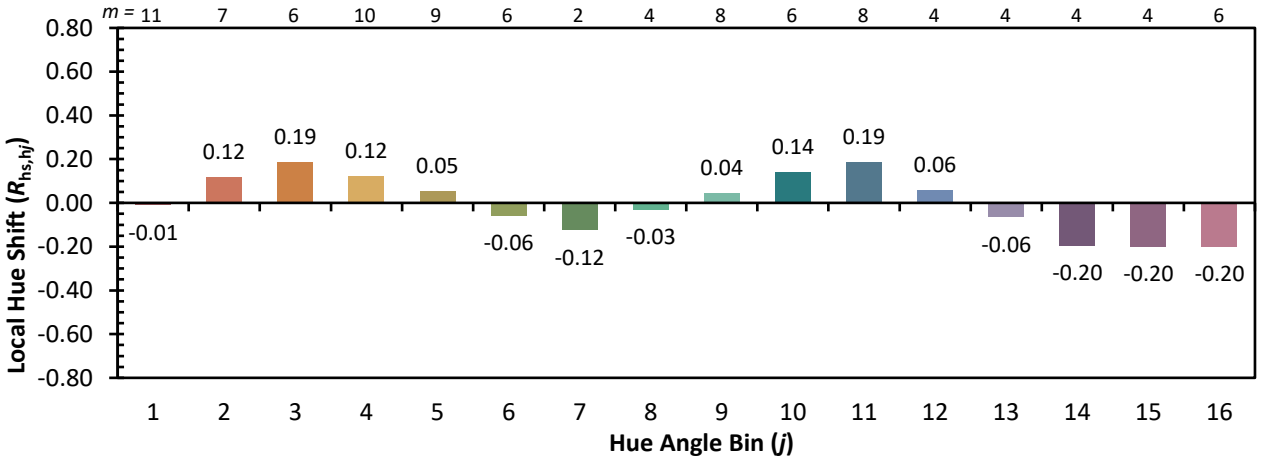


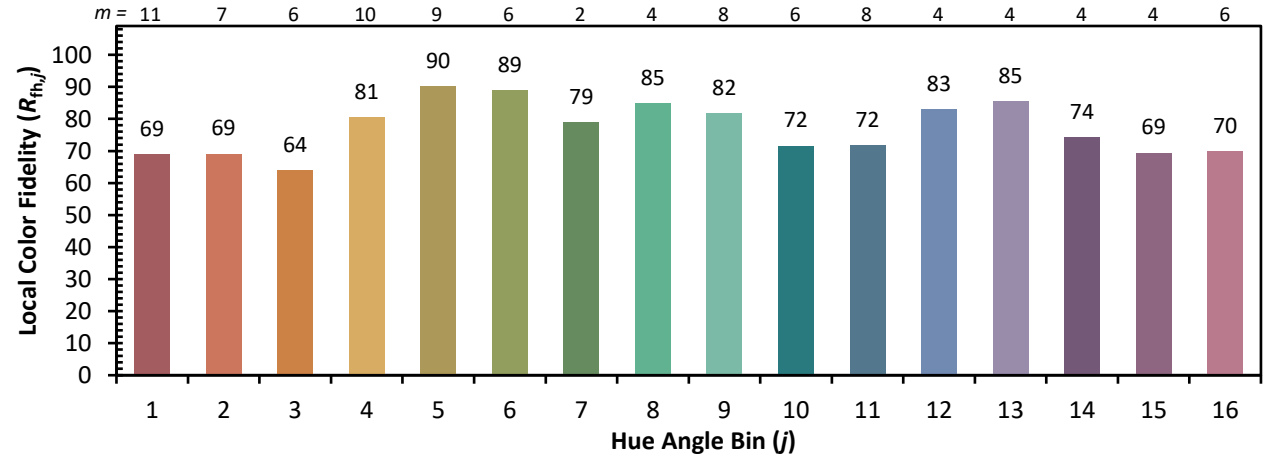
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Color Rendition by Hue-Angle Bin



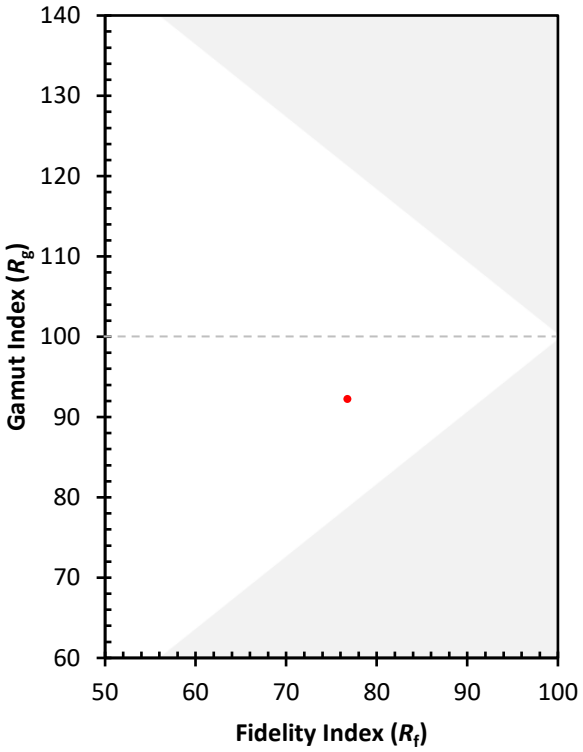


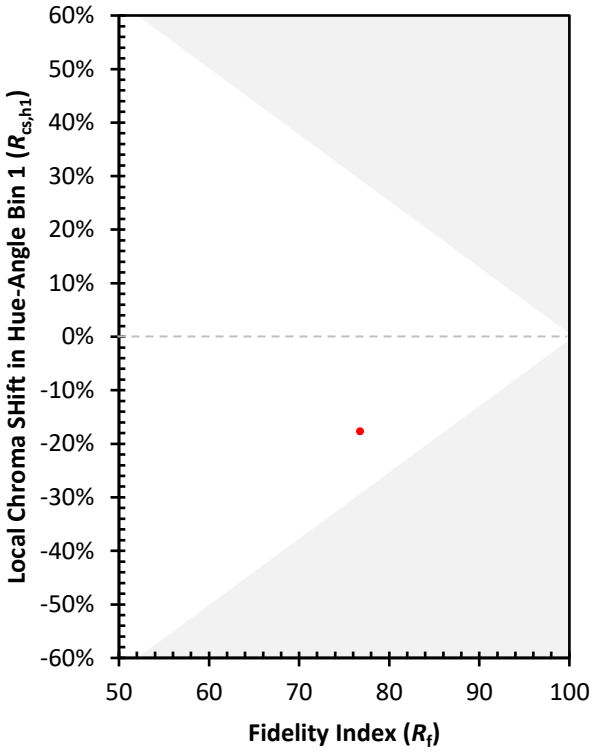


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Measure Comparisons





(END OF REPORT)