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: P1046384

Luminaire Tested: **FFX-CLB-60-730-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046384
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9418.7 lumens
Efficiency:	N/A
Efficacy:	155.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

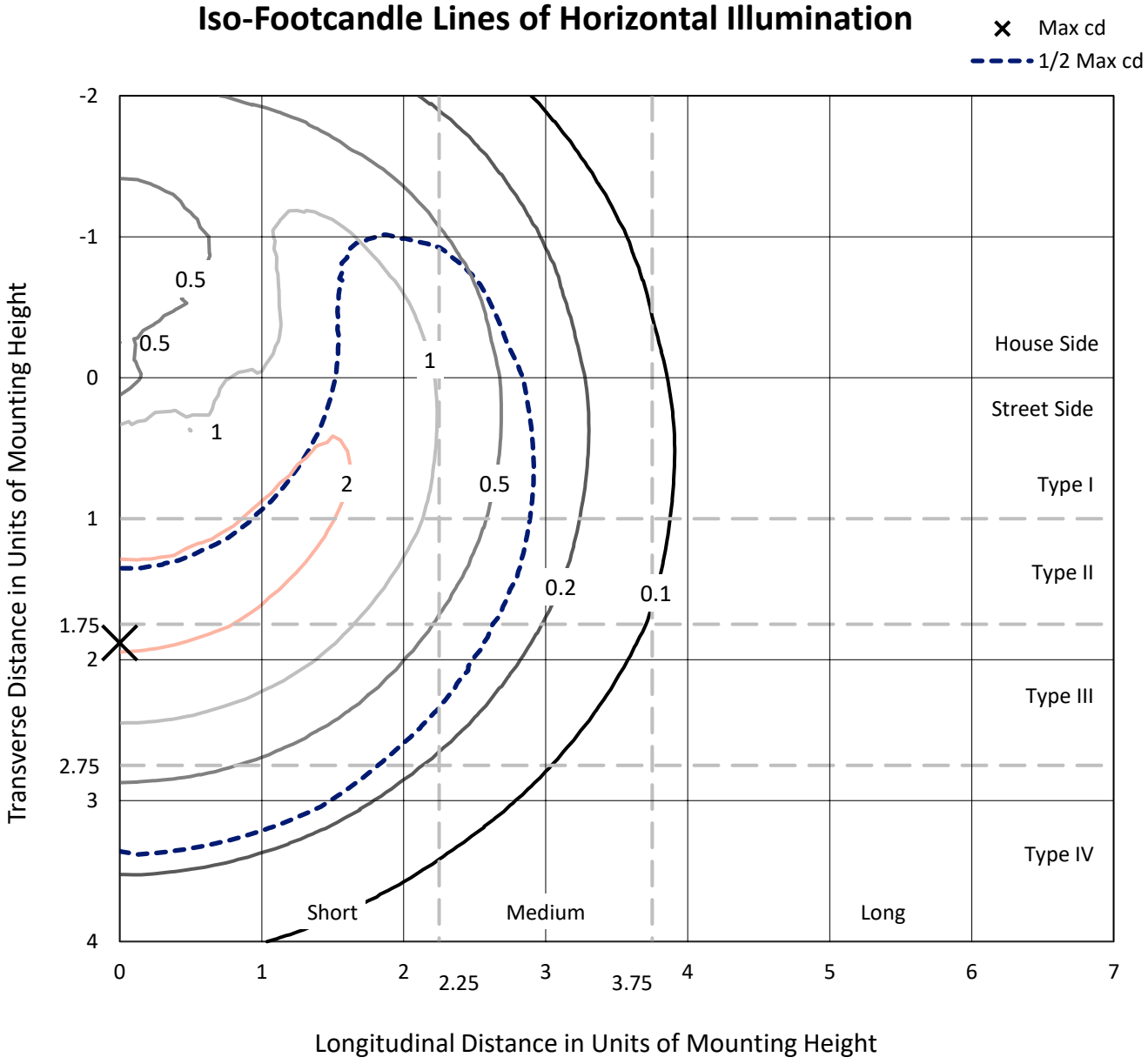


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Iso-Footcandle Lines of Horizontal Illumination



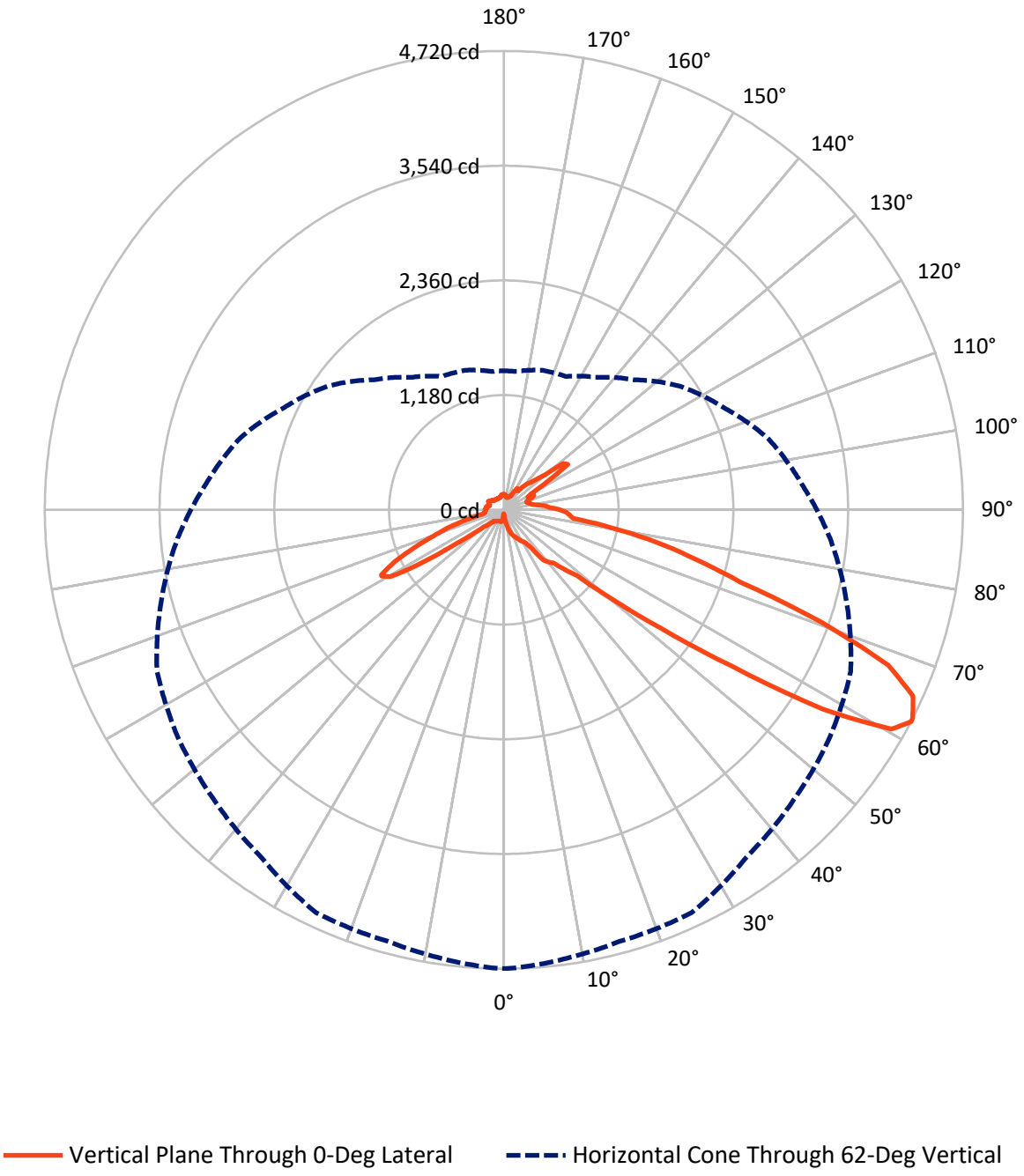
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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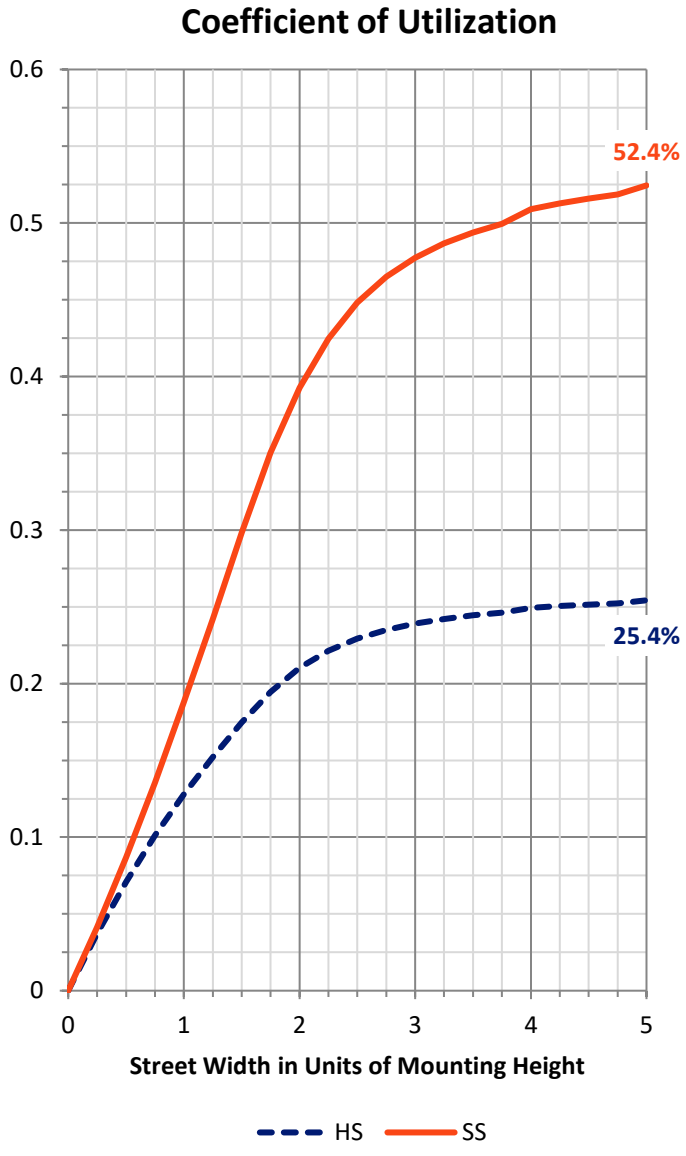
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.2	708.1	3186.3
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	5144.9	1087.6	6232.5
	% Fixture	54.6	11.5	66.2
Total	Lumens	7623.1	1795.7	9418.7
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	52.3	0.6
20°-30°	113.1	1.2
30°-40°	226.5	2.4
40°-50°	496.1	5.3
50°-60°	1736.9	18.4
60°-70°	2906.9	30.9
70°-80°	1508.8	16.0
80°-90°	573.0	6.1
90°-100°	365.4	3.9
100°-110°	242.2	2.6
110°-120°	253.0	2.7
120°-130°	422.7	4.5
130°-140°	254.4	2.7
140°-150°	134.5	1.4
150°-160°	70.8	0.8
160°-170°	38.4	0.4
170°-180°	14.4	0.2
0°-90°	7623.1	80.9
0°-180°	9418.7	100.0



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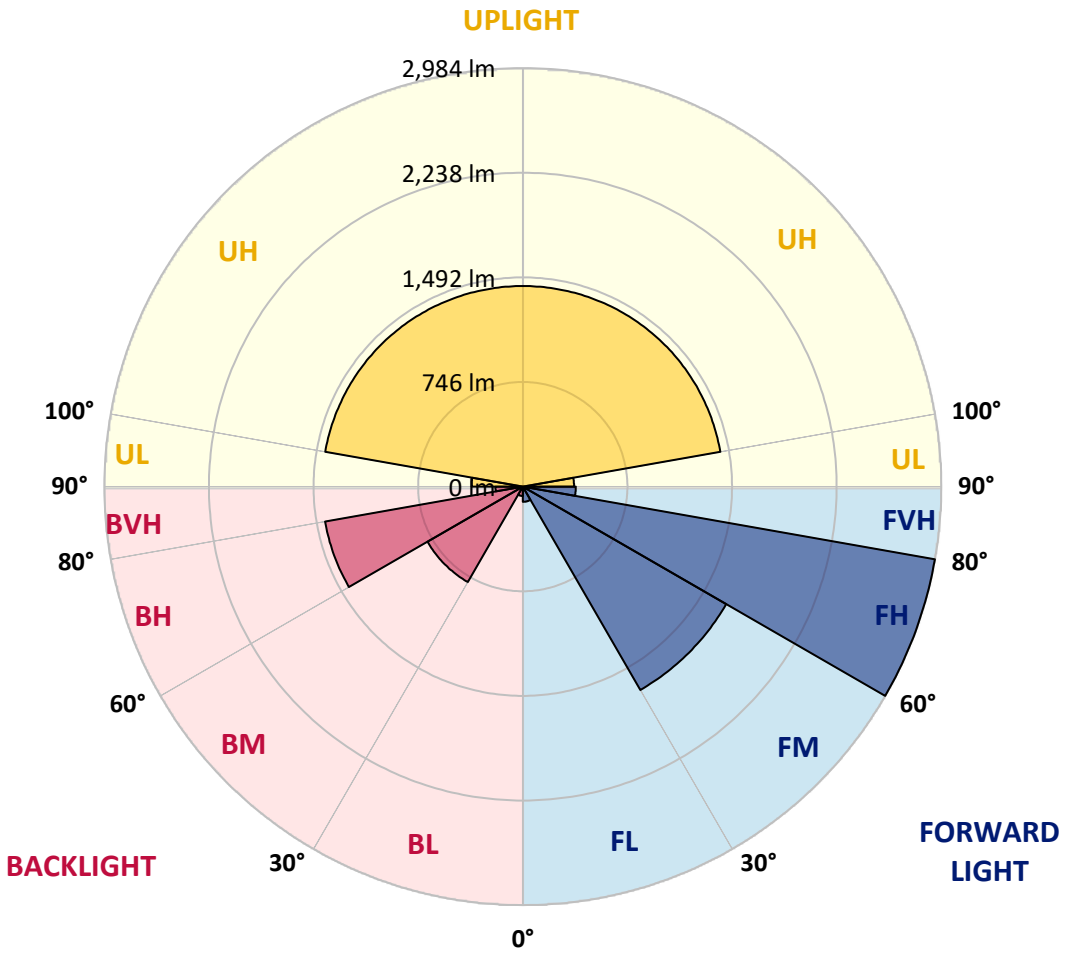
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	108.5	1.2			
FM	(30°-60°)	1674.5	17.8			
FH	(60°-80°)	2983.9	31.7			G2/5000
FVH	(80°-90°)	377.9	4.0			G3/500
BL	(0°-30°)	66.4	0.7	B0/110		
BM	(30°-60°)	785.0	8.3	B1/1000		
BH	(60°-80°)	1431.8	15.2	B3/2500		G3/2500
BVH	(80°-90°)	195.1	2.1			G2/225
UL	(90°-100°)	365.4	3.9		U3/500	
UH	(100°-180°)	1430.3	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2.5°	59.3	58.1	58.1	60.5	63.5	63.5	64.1	62.3	62.3	61.7	62.3
5°	86.3	83.9	85.1	85.7	86.9	88.1	89.3	89.3	86.9	85.1	80.3
7.5°	120.4	119.8	121.0	120.4	119.2	122.2	124.0	128.2	129.4	121.6	112.0
10°	155.2	153.4	152.8	153.4	154.0	152.2	155.8	158.8	154.6	145.6	137.2
12.5°	192.9	192.9	192.9	192.3	192.3	191.7	190.5	189.9	185.7	175.6	162.4
15°	234.9	235.5	236.7	236.1	233.1	228.3	224.7	221.7	219.3	212.1	195.3
17.5°	260.6	259.4	260.6	260.0	258.8	255.8	249.3	243.3	235.5	225.3	212.7
20°	284.6	284.0	283.4	283.4	282.2	278.6	274.4	264.8	254.6	243.9	229.5
22.5°	303.2	302.0	303.2	302.6	302.0	300.8	293.6	285.2	273.8	261.8	246.9
25°	327.1	326.5	327.1	325.3	325.3	323.5	319.4	308.6	296.0	282.8	264.2
27.5°	353.5	351.7	353.5	352.9	350.5	345.7	342.1	330.1	314.6	302.0	285.2
30°	375.7	375.7	376.9	373.3	375.7	371.5	363.1	349.9	336.7	320.6	303.2
32.5°	399.0	399.0	397.8	397.2	400.2	394.8	385.3	369.7	358.9	342.1	327.1
35°	464.4	459.6	467.3	466.7	481.7	470.9	453.0	432.0	415.2	393.6	373.9
37.5°	651.9	649.5	645.9	623.1	596.8	601.0	604.0	580.6	559.6	520.7	474.5
40°	705.2	704.6	704.0	690.8	698.0	678.9	669.3	657.3	653.7	602.8	541.0
42.5°	749.0	741.8	749.0	772.9	810.7	797.5	749.0	686.6	675.3	626.7	601.6
45°	867.6	862.8	874.8	882.0	870.0	848.4	862.2	816.7	785.5	716.6	670.5
47.5°	1009.6	1004.8	1016.2	1022.2	1046.7	1024.0	1013.2	974.2	922.1	856.8	796.9
50°	1433.2	1379.3	1423.0	1408.0	1414.0	1363.1	1383.5	1327.7	1281.0	1173.8	1065.3
52.5°	2023.4	2005.4	1975.4	1941.9	1967.6	1913.1	1929.9	1869.4	1784.9	1660.3	1500.3
55°	2822.1	2761.5	2780.7	2849.6	2835.2	2737.6	2720.8	2573.4	2421.8	2235.5	2067.1
57.5°	3867.0	3837.0	3802.3	3756.2	3711.2	3610.0	3560.2	3395.5	3160.0	2899.9	2665.7
60°	4578.2	4554.2	4538.7	4397.9	4315.2	4111.5	4065.3	3950.9	3741.2	3458.4	3135.4
62°	4719.6	4716.0	4684.3	4596.8	4572.2	4356.5	4216.3	4088.7	3934.7	3647.7	3366.7
62.5°	4718.4	4711.2	4692.6	4619.5	4594.4	4392.5	4240.3	4104.9	3951.5	3669.9	3393.7
65°	4622.5	4606.4	4598.0	4554.2	4542.9	4424.2	4222.3	4082.7	3953.9	3643.5	3413.4
67.5°	4261.8	4281.0	4282.2	4238.5	4200.7	4130.0	3937.1	3816.1	3727.4	3403.8	3186.9
70°	3459.6	3433.8	3407.4	3427.8	3411.0	3372.7	3219.3	3067.1	2956.3	2786.7	2581.2
72.5°	2542.8	2583.6	2583.0	2589.0	2592.0	2495.5	2427.2	2339.7	2279.8	2133.0	1986.2
75°	2038.4	2041.9	2030.6	1988.6	1943.7	1888.0	1899.9	1892.2	1863.4	1708.2	1562.6
77.5°	1609.4	1569.8	1586.0	1520.1	1462.0	1461.4	1484.7	1507.5	1520.1	1395.4	1282.8
80°	1133.0	1124.0	1109.6	1115.6	1067.7	1080.3	1091.7	1107.3	1082.7	1009.0	956.9
82.5°	715.4	707.6	696.2	751.3	797.5	787.3	750.8	692.0	678.3	683.6	671.7
85°	676.5	675.9	665.7	660.3	653.1	636.9	645.9	658.5	651.3	610.5	557.8
87.5°	638.7	636.9	629.1	626.1	612.3	610.5	618.9	623.7	626.7	590.2	545.8
90°	559.6	552.4	545.2	551.2	549.4	550.6	553.0	551.8	553.0	509.9	491.3
92.5°	466.7	465.0	459.6	462.6	466.7	483.5	476.3	465.0	463.2	445.8	427.8
95°	426.0	427.2	420.6	424.8	426.0	426.0	421.2	415.8	411.6	397.8	381.7
97.5°	352.9	347.5	345.1	348.1	349.3	345.1	342.1	333.1	332.5	318.8	311.0
100°	300.2	299.0	297.8	301.4	302.6	300.8	301.4	296.0	295.4	287.6	279.2
102.5°	280.4	279.8	279.2	282.2	283.4	282.2	280.4	275.0	276.2	267.8	261.8
105°	264.8	264.8	264.2	266.0	262.4	260.6	258.2	258.2	259.4	252.8	243.9
107.5°	247.5	246.9	247.5	246.9	242.7	240.9	240.3	238.5	242.7	239.1	229.5

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*250.4*	250.4	249.9	243.3	240.9	237.9	236.7	239.7	238.5	232.5	226.5
112.5°	*306.8*	303.2	305.6	296.6	292.4	294.8	296.0	298.4	303.2	293.6	284.6
115°	*342.7*	343.3	349.3	349.3	340.3	344.5	344.5	343.9	348.7	341.5	332.5
117.5°	*279.8*	283.4	302.6	290.6	293.6	296.0	281.0	275.6	274.4	276.2	295.4
120°	*322.3*	317.6	335.5	297.8	286.4	286.4	297.2	311.0	296.0	273.2	279.2
122.5°	*527.3*	527.9	528.5	544.6	542.8	547.6	539.2	528.5	497.3	497.9	469.7
125°	*807.1*	799.3	799.3	792.1	790.9	779.5	793.9	802.9	778.9	738.2	693.8
127.5°	*772.3*	789.1	783.1	765.1	747.8	741.8	758.5	786.7	772.9	737.0	696.2
130°	*548.2*	552.4	551.2	570.4	575.2	569.2	575.2	554.8	557.8	566.2	544.6
132.5°	*459.6*	457.2	465.5	491.9	502.1	490.1	473.3	458.4	459.0	476.9	475.7
135°	*396.0*	394.2	400.2	401.4	412.8	403.2	388.3	388.3	391.9	396.0	394.2
137.5°	*357.7*	355.3	357.1	343.3	329.5	328.9	340.9	347.5	343.9	339.7	334.9
140°	*308.0*	309.2	306.2	294.8	288.8	290.0	297.8	308.0	305.0	296.0	288.8
142.5°	*245.1*	242.7	246.3	254.6	266.6	266.6	254.6	242.1	241.5	245.7	251.6
145°	*241.5*	240.3	240.9	239.1	241.5	239.1	235.5	231.9	227.7	224.7	222.3
147.5°	*261.8*	261.8	261.2	258.2	255.8	251.6	252.8	257.0	259.4	257.0	253.4
150°	*212.7*	214.5	214.5	213.9	211.5	213.3	215.7	216.9	219.3	219.3	215.7
152.5°	*163.6*	163.0	164.8	162.4	161.8	163.0	166.0	168.4	169.0	169.0	164.2
155°	*155.8*	154.6	155.8	154.6	153.4	154.6	157.0	158.2	159.4	157.6	152.8
157.5°	*145.6*	145.6	145.6	144.4	145.0	145.0	146.2	146.8	147.4	146.8	145.6
160°	*137.8*	137.8	138.4	137.8	137.8	139.0	138.4	137.8	137.8	137.2	136.6
162.5°	*133.0*	133.0	133.0	133.0	132.4	132.4	133.0	132.4	131.8	131.2	132.4
165°	*130.6*	130.0	130.0	130.0	130.6	130.0	130.0	130.0	129.4	131.2	133.6
167.5°	*135.4*	134.2	134.8	135.4	135.4	134.8	134.8	134.8	136.0	137.8	139.6
170°	*142.0*	141.4	141.4	142.0	142.0	141.4	141.4	141.4	142.0	142.6	143.2
172.5°	*147.4*	146.8	146.8	146.8	146.2	145.6	145.6	145.6	145.6	145.6	146.2
175°	*152.8*	152.8	152.8	152.8	152.2	151.6	151.6	151.6	151.6	151.6	151.6
177.5°	*158.8*	158.2	158.8	158.2	158.2	158.2	157.6	157.0	156.4	156.4	156.4
180°	*157.6*	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2.5°	61.1	60.5	56.9	53.9	51.5	49.1	45.5	42.5	40.1	39.5	39.5
5°	79.1	77.9	74.3	69.5	67.1	63.5	59.9	57.5	54.5	53.3	53.9
7.5°	109.0	109.6	110.8	113.2	112.0	101.9	90.5	88.1	90.5	94.1	95.9
10°	135.4	133.6	133.0	140.8	139.0	124.0	109.0	104.3	108.4	116.2	119.8
12.5°	157.0	153.4	152.8	154.0	146.8	130.6	118.0	112.6	115.0	121.0	120.4
15°	188.7	183.3	175.6	170.8	161.8	150.4	134.8	125.8	125.8	125.8	125.2
17.5°	207.3	201.3	186.3	172.6	161.2	152.8	142.6	134.2	125.2	124.0	123.4
20°	223.5	214.5	198.3	183.3	169.0	157.0	142.6	132.4	124.6	123.4	122.8
22.5°	237.3	228.9	211.5	193.5	175.6	161.8	146.2	135.4	127.6	125.2	124.6
25°	255.8	246.9	227.1	206.1	185.1	167.8	153.4	140.8	131.2	126.4	126.4
27.5°	274.4	264.2	242.1	220.5	197.7	176.2	160.0	147.4	135.4	128.8	128.2
30°	292.4	281.0	257.0	232.5	209.7	186.9	168.4	154.0	140.8	133.6	133.0
32.5°	317.6	304.4	276.2	245.7	222.9	198.3	177.4	160.6	146.8	139.6	138.4
35°	366.7	351.7	320.0	280.4	244.5	211.5	186.3	164.2	151.0	143.2	142.6
37.5°	457.8	440.4	396.0	347.5	298.4	248.7	202.5	169.0	154.0	146.8	145.6
40°	512.3	478.1	431.4	393.1	355.9	308.0	248.7	195.9	160.0	151.6	150.4
42.5°	583.0	547.6	479.9	406.8	359.5	321.8	279.8	245.7	194.1	164.2	158.8
45°	650.1	623.1	565.0	487.1	415.2	349.9	297.8	264.8	231.9	197.7	192.3
47.5°	762.7	723.2	646.5	566.8	493.7	420.6	358.9	294.8	252.2	231.9	230.7
50°	1051.5	979.6	868.8	773.5	635.7	523.7	450.6	364.9	310.4	278.6	268.4
52.5°	1424.8	1349.9	1223.5	1085.7	932.9	788.5	645.3	522.5	433.8	378.1	379.9
55°	1980.8	1905.9	1720.2	1484.1	1274.4	1124.0	970.6	821.5	678.9	596.8	586.6
57.5°	2567.4	2500.3	2341.5	2053.3	1719.6	1441.6	1259.4	1154.0	1080.9	991.6	991.6
60°	2997.6	2886.2	2706.4	2415.8	2119.8	1754.3	1520.7	1369.7	1356.5	1340.9	1352.9
62°	*3217.5*	*3073.7*	*2817.3*	*2490.7*	*2215.7*	*1890.4*	*1663.3*	*1513.5*	*1487.1*	*1428.4*	*1429.6*
62.5°	3254.7	3095.9	2835.8	2490.7	2224.1	1902.3	1678.9	1532.7	1496.1	1424.2	1425.4
65°	3291.8	3100.7	2849.6	2450.6	2176.8	1861.0	1689.0	1498.5	1402.6	1282.2	1246.9
67.5°	3078.5	2882.6	2667.5	2278.6	1994.0	1689.0	1498.5	1307.4	1151.0	1028.8	1009.6
70°	2500.3	2346.3	2180.4	1883.2	1634.5	1387.7	1225.9	1053.3	897.5	762.7	771.1
72.5°	1897.5	1753.7	1601.6	1412.8	1258.2	1092.3	949.1	810.1	680.6	596.8	612.3
75°	1469.7	1373.9	1266.0	1128.8	1011.4	858.0	695.0	571.6	484.1	433.2	436.2
77.5°	1208.5	1109.0	1021.0	895.1	783.7	626.7	469.7	364.3	313.4	290.6	284.6
80°	929.3	856.8	778.9	666.3	543.4	422.4	315.8	266.6	233.1	216.3	209.7
82.5°	648.9	604.0	538.6	457.2	386.5	342.1	296.0	254.6	219.9	204.3	197.1
85°	534.5	510.5	474.5	428.4	386.5	337.3	285.8	243.9	213.9	201.9	195.3
87.5°	520.7	504.5	463.8	414.6	364.3	314.0	261.8	222.9	203.7	195.9	189.9
90°	477.5	459.0	430.2	381.7	336.7	282.8	240.3	216.9	202.5	193.5	186.9
92.5°	416.4	406.2	379.9	345.1	314.0	279.2	248.7	227.7	212.7	201.9	195.3
95°	370.3	358.3	343.3	315.2	289.4	261.2	233.1	213.3	197.7	186.3	180.9
97.5°	304.4	296.0	281.6	263.0	243.9	221.1	201.3	188.1	178.0	172.6	169.0
100°	276.2	270.8	262.4	249.3	233.7	217.5	203.1	195.9	191.7	188.1	186.3
102.5°	255.8	249.9	243.3	229.5	217.5	203.1	193.5	187.5	182.1	176.2	175.0
105°	237.9	233.1	224.1	212.7	200.7	186.9	175.6	172.0	167.2	161.8	161.2
107.5°	224.1	219.3	211.5	199.5	188.7	176.8	166.6	161.2	155.8	152.8	152.2

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

Scaled Data Report

REPORT NUMBER: P1046384
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	222.9	219.3	210.9	200.7	192.3	180.3	169.0	167.2	161.2	154.0	153.4
112.5°	278.0	266.6	250.4	233.7	219.3	207.3	192.9	178.6	166.6	159.4	158.2
115°	322.3	311.0	291.2	266.6	243.9	218.1	193.5	175.6	169.0	167.2	169.6
117.5°	303.2	279.2	245.7	230.7	210.9	197.1	187.5	183.3	172.6	175.6	178.6
120°	291.2	275.0	245.7	243.3	234.3	218.7	196.5	191.7	185.7	180.9	180.3
122.5°	467.9	452.4	418.8	367.9	312.8	275.6	261.8	233.1	198.3	172.0	167.8
125°	663.3	638.1	572.2	515.9	442.8	364.3	293.6	233.1	185.7	160.6	157.6
127.5°	676.5	648.3	590.8	514.7	421.8	325.9	252.8	209.1	177.4	160.6	157.6
130°	527.3	509.3	466.7	395.4	331.3	274.4	233.1	197.7	169.0	156.4	154.6
132.5°	466.1	450.0	389.5	330.1	287.6	243.9	209.1	175.6	151.0	142.6	141.4
135°	385.3	367.3	327.1	290.6	259.4	224.1	189.3	160.6	143.2	139.0	138.4
137.5°	328.9	320.6	290.6	264.8	236.7	206.1	177.4	155.2	144.4	140.8	140.2
140°	284.0	282.2	263.6	240.9	212.7	180.3	158.2	145.0	140.8	139.0	138.4
142.5°	251.0	248.7	228.3	201.9	176.8	160.0	151.6	147.4	143.8	139.0	137.8
145°	217.5	213.3	200.7	189.3	181.5	176.2	168.4	155.2	141.4	134.2	133.6
147.5°	247.5	240.3	226.5	210.3	193.5	176.2	160.0	146.2	134.8	130.6	130.0
150°	207.9	207.3	198.3	185.7	173.2	157.6	145.6	136.6	131.8	131.2	131.2
152.5°	161.2	161.2	161.2	158.2	152.2	143.8	134.8	129.4	129.4	131.8	132.4
155°	151.6	152.2	152.8	151.6	146.8	139.0	131.2	128.8	129.4	131.8	132.4
157.5°	144.4	144.4	145.0	143.8	141.4	136.0	130.6	128.2	128.8	130.0	130.6
160°	136.0	136.0	136.6	136.6	134.2	132.4	130.0	128.2	128.2	128.8	129.4
162.5°	133.0	133.0	133.0	133.0	132.4	132.4	132.4	132.4	131.8	131.8	131.8
165°	134.2	134.2	132.4	131.8	133.0	134.8	137.8	138.4	135.4	134.8	134.8
167.5°	140.2	140.2	138.4	137.2	139.0	140.8	145.0	146.2	143.8	141.4	141.4
170°	143.8	143.8	143.8	144.4	145.0	146.8	149.2	150.4	149.8	149.2	149.2
172.5°	146.2	146.2	147.4	148.6	150.4	151.6	152.8	154.0	155.2	155.2	155.8
175°	151.0	151.6	152.8	153.4	154.6	155.8	157.0	158.2	158.8	158.8	158.8
177.5°	155.8	155.8	155.8	156.4	157.0	157.6	158.2	158.8	158.8	159.4	160.0
180°	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6	157.6

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

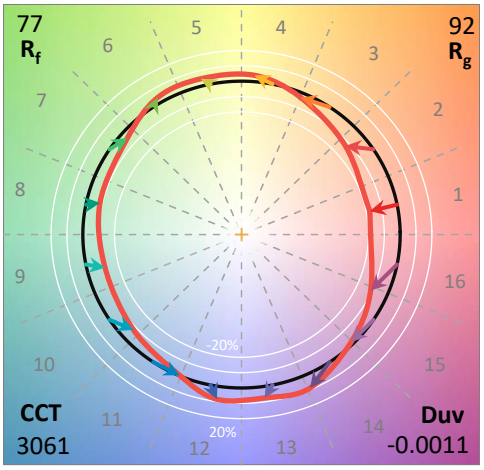
Test Information

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

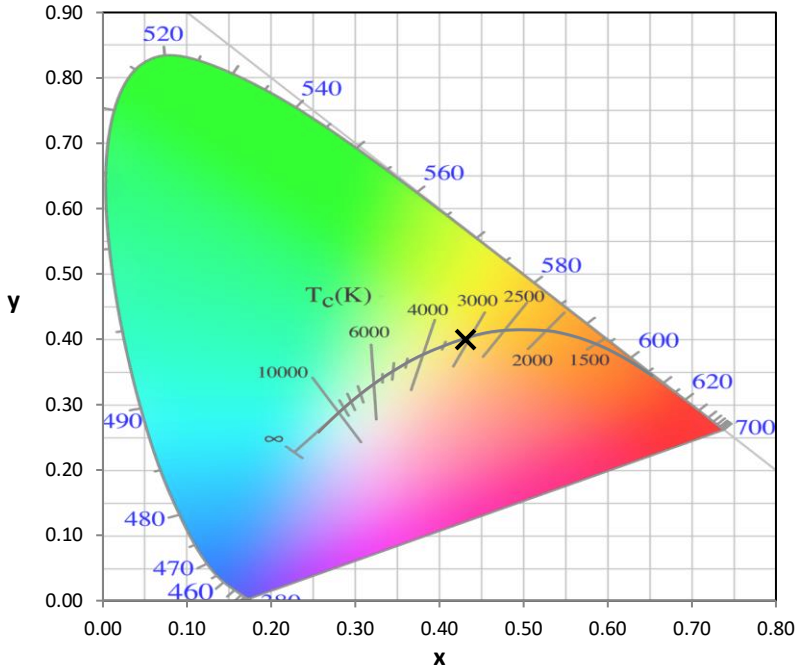
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

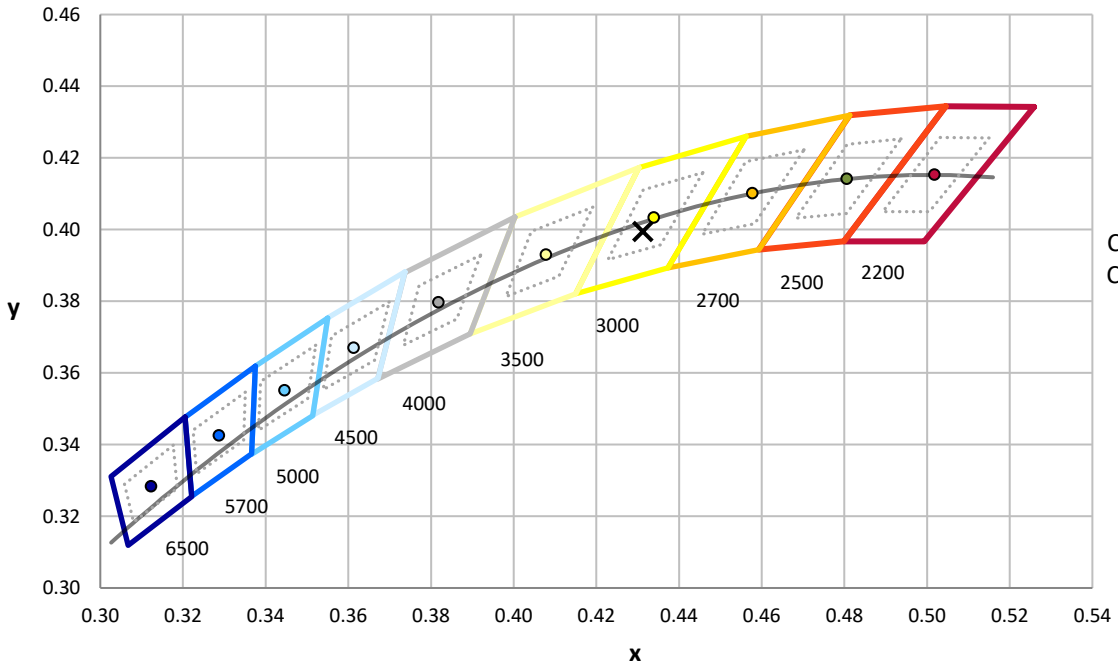
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

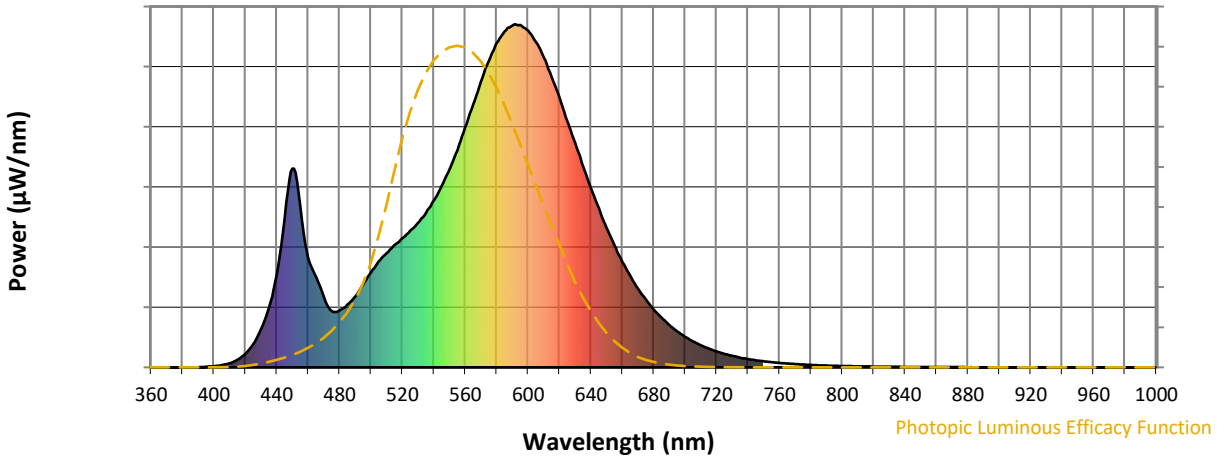


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

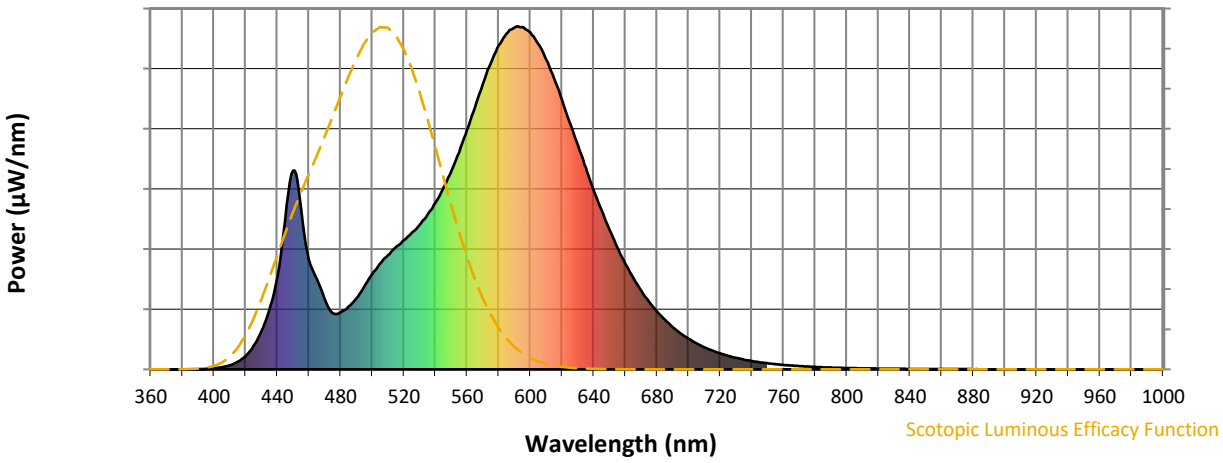


Photopic Lumens: NR

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

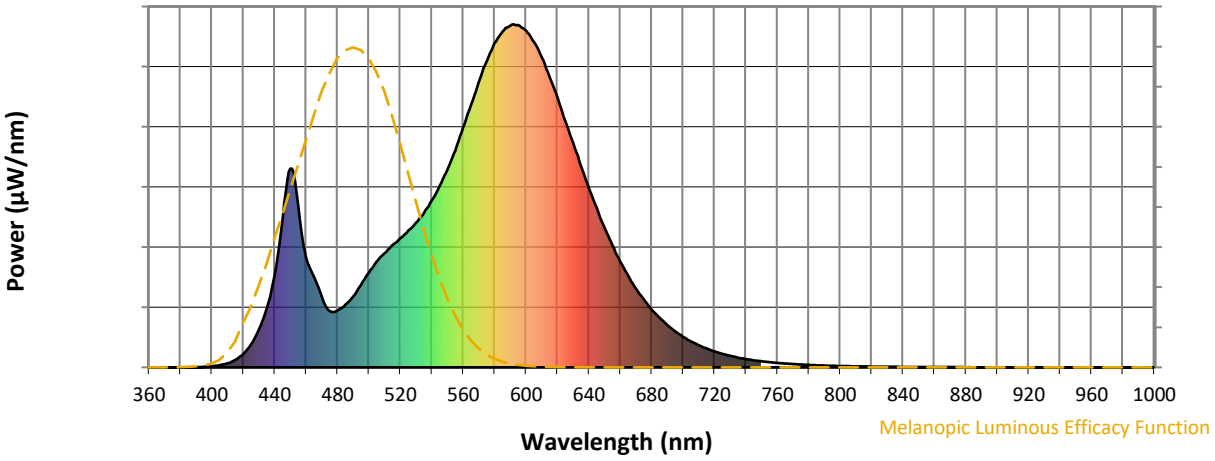


Scotopic Lumens: NR **S/P: 1.29**

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			

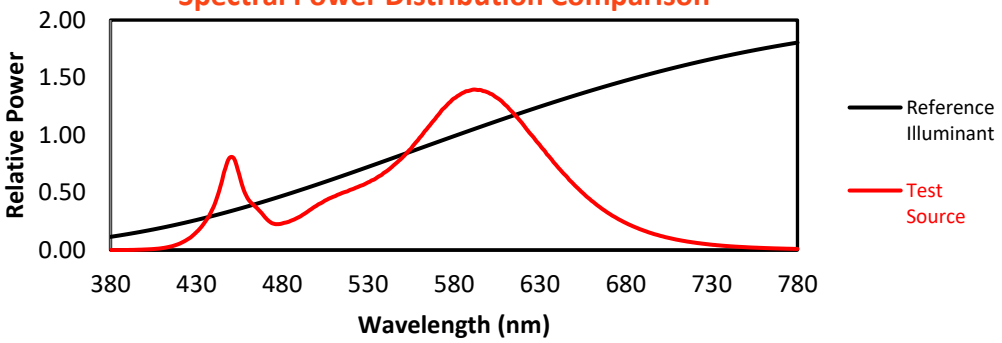
REPORT NUMBER: SP1-2501-332-4

TM-30-18

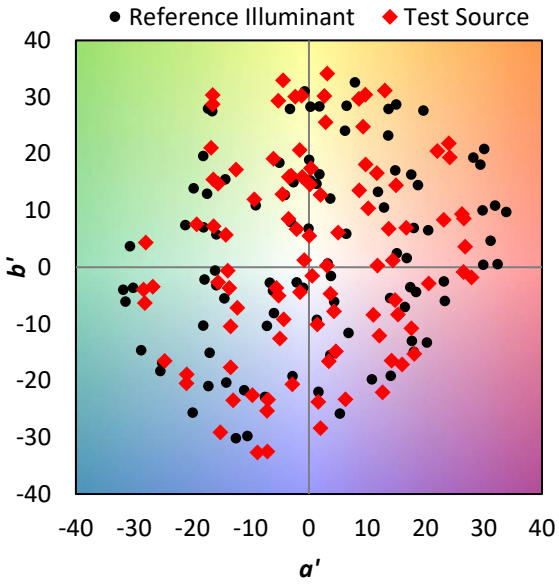
Summary

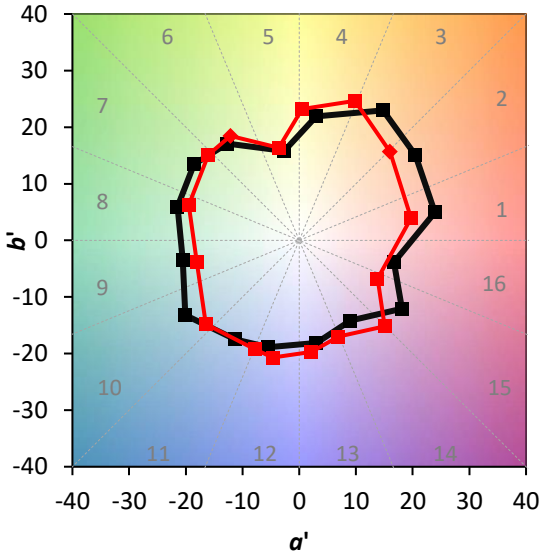
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

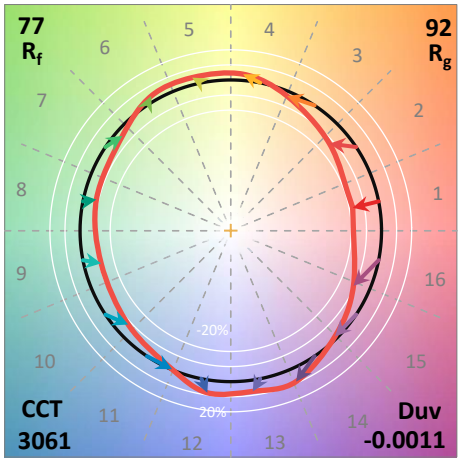
Spectral Power Distribution Comparison

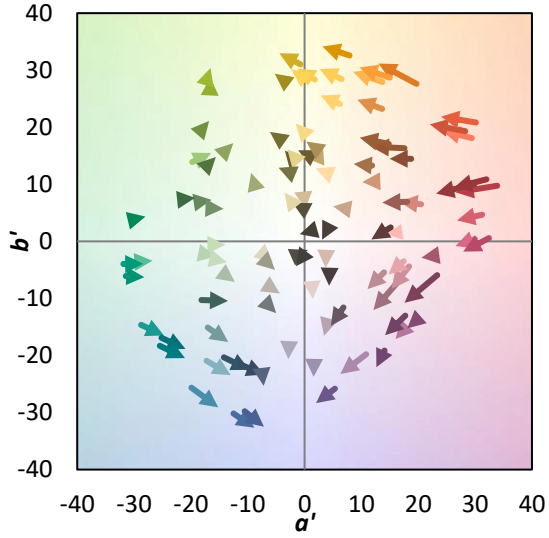


Color Vector Graphics







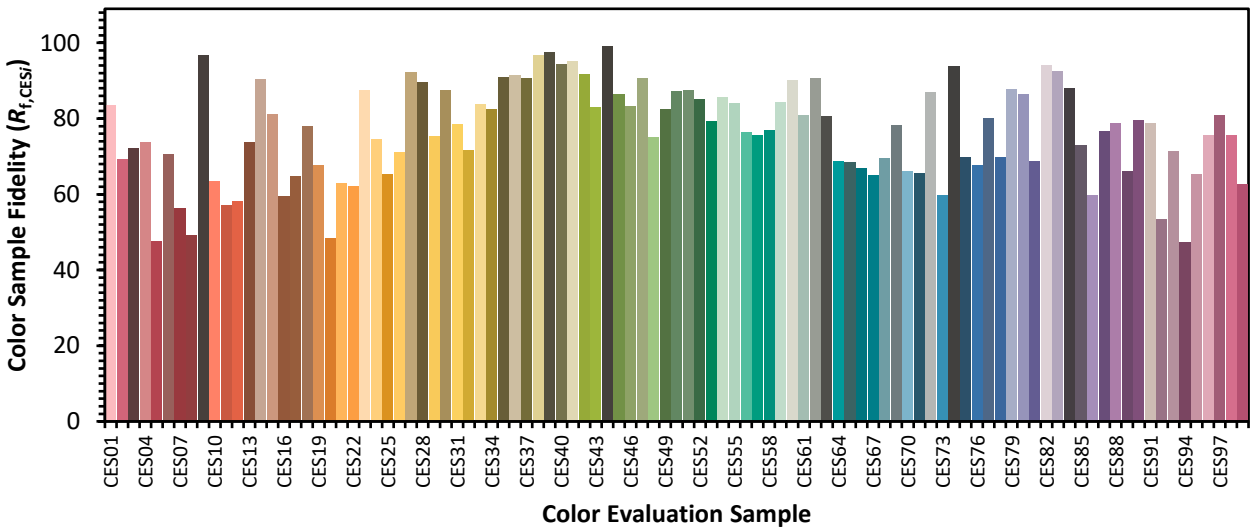


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

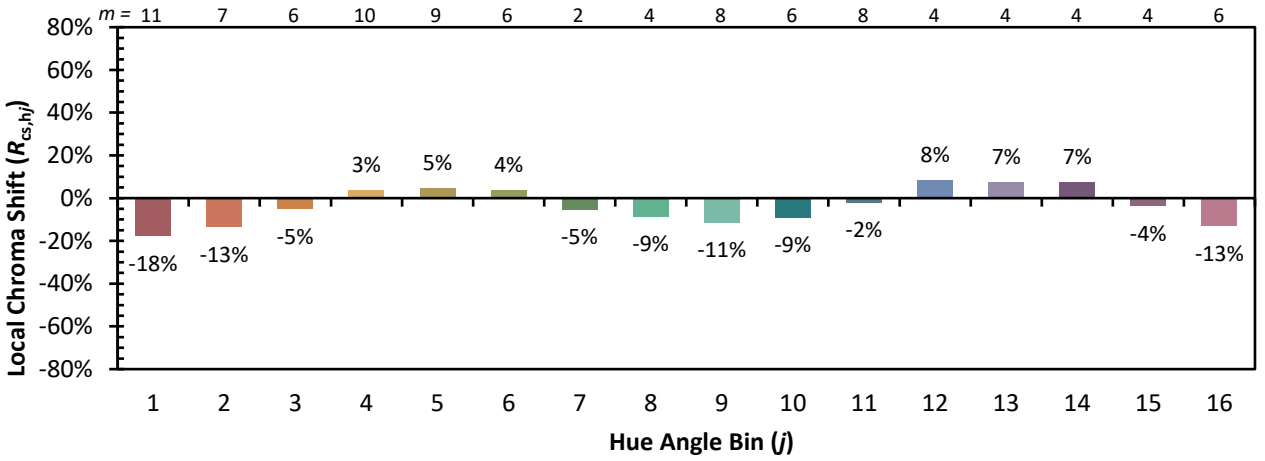
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

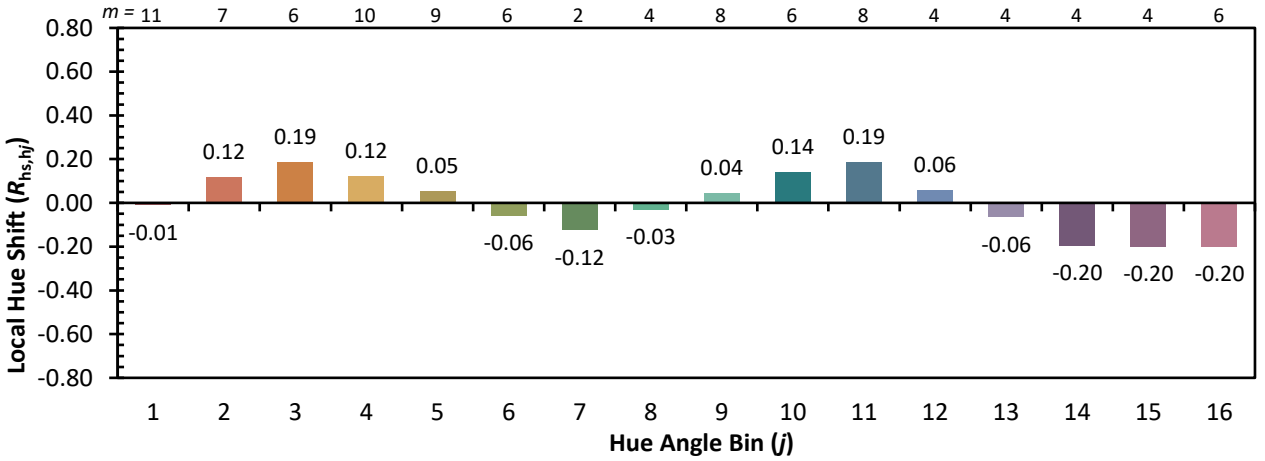


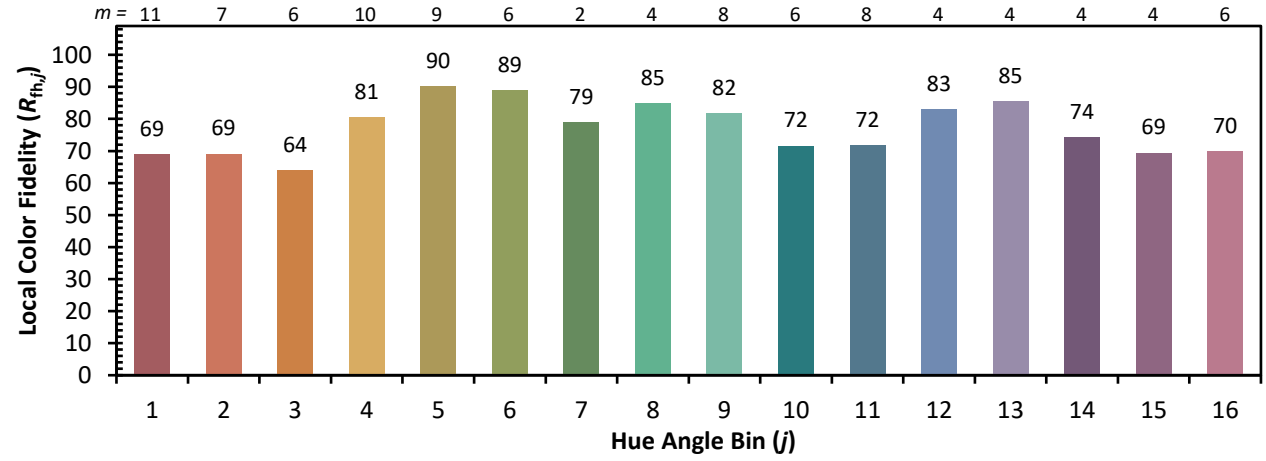
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Color Rendition by Hue-Angle Bin



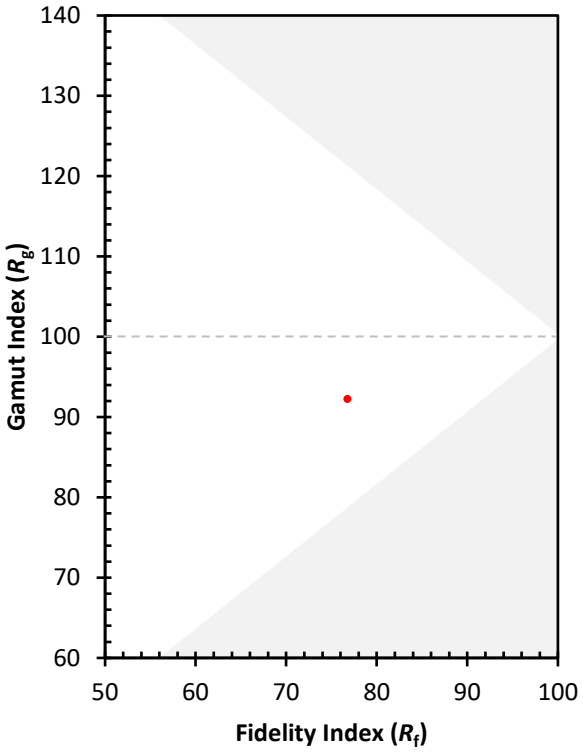


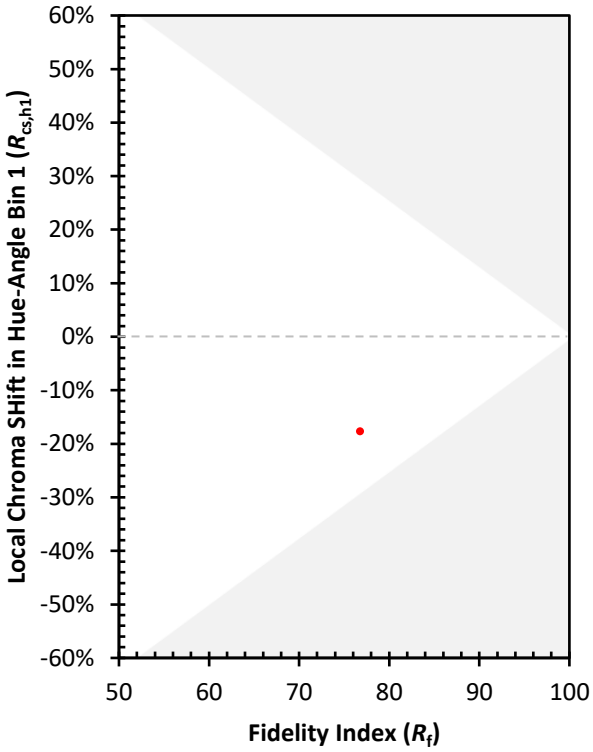


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Measure Comparisons





(END OF REPORT)