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: P1046563

Luminaire Tested: **FFX-CLB-70-730-U-FR-T3-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:	P1046563
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9793.8 lumens
Efficiency:	N/A
Efficacy:	137.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

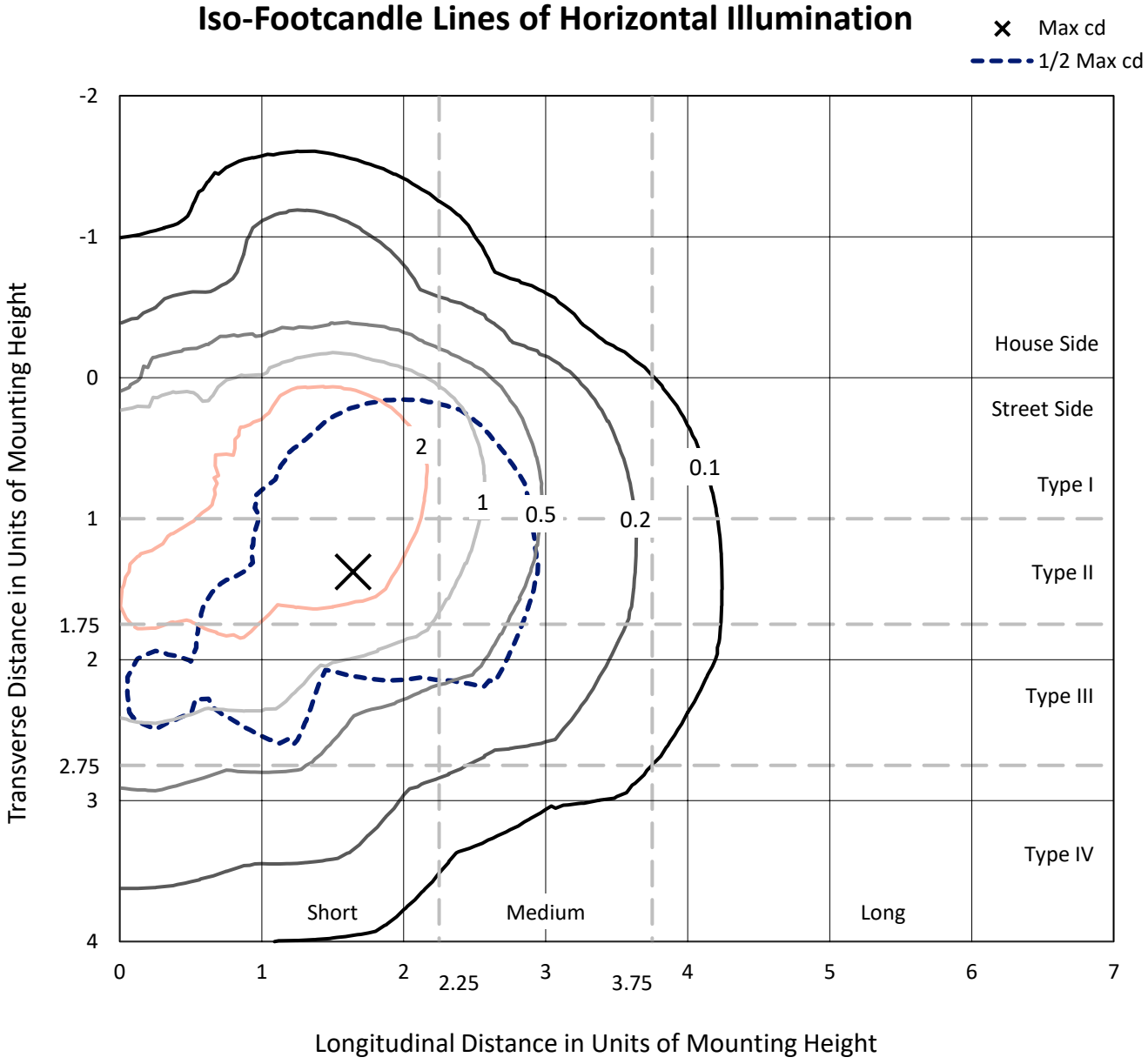


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Iso-Footcandle Lines of Horizontal Illumination



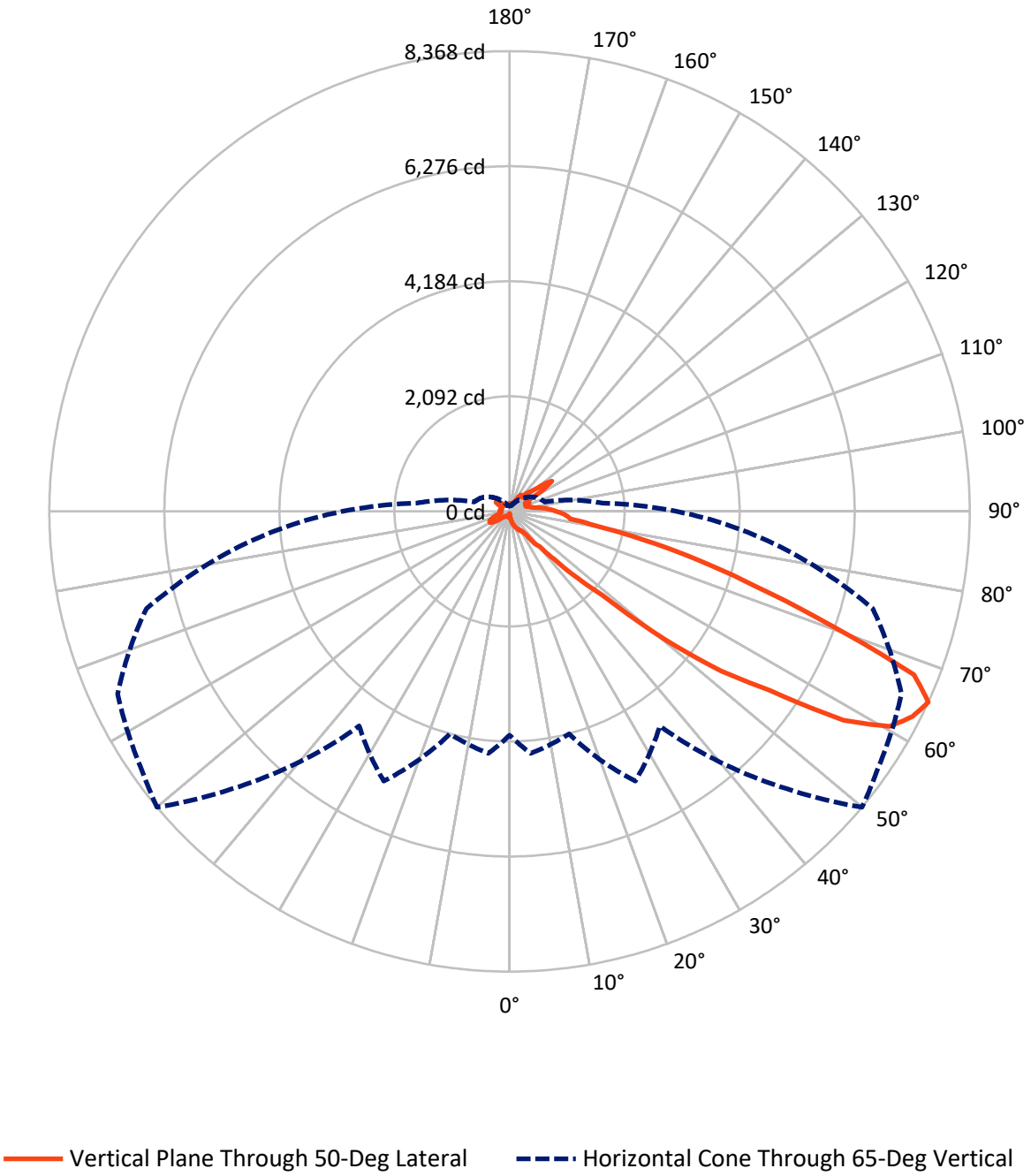
Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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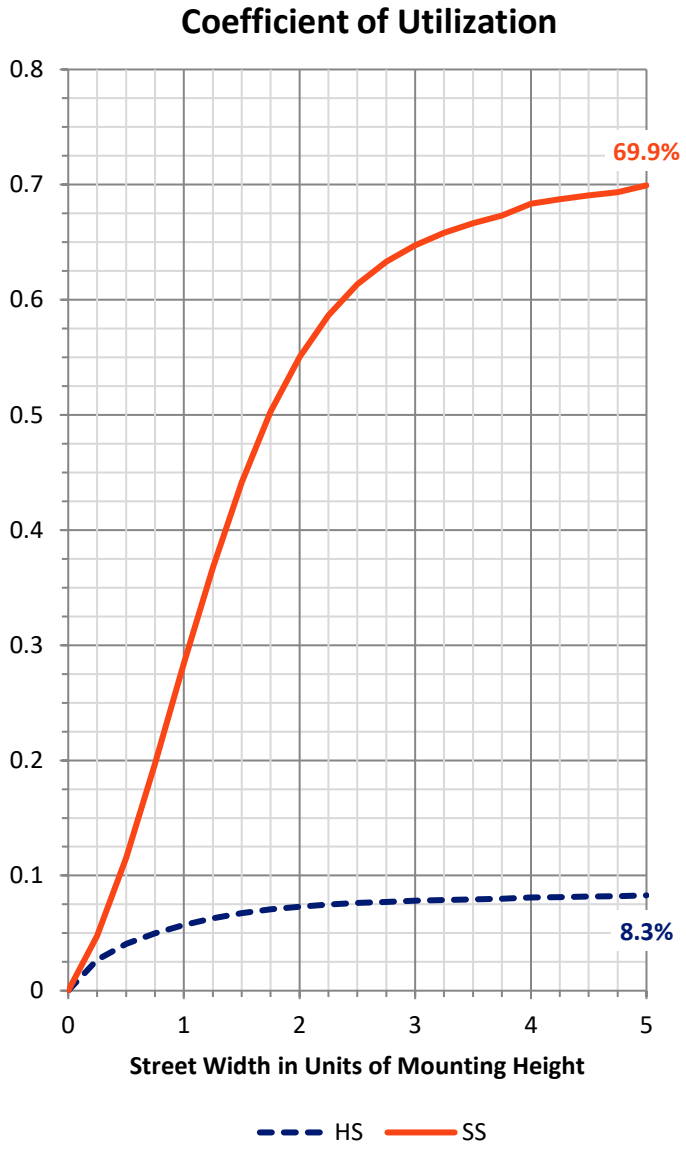
REPORT NUMBER: P1046563
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.1	565.5	1424.6
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	7084.5	1284.7	8369.2
	% Fixture	72.3	13.1	85.5
Total	Lumens	7943.6	1850.2	9793.8
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	51.1	0.5
20°-30°	109.1	1.1
30°-40°	217.9	2.2
40°-50°	570.9	5.8
50°-60°	1891.5	19.3
60°-70°	2983.0	30.5
70°-80°	1557.6	15.9
80°-90°	553.1	5.6
90°-100°	357.0	3.6
100°-110°	240.8	2.5
110°-120°	274.8	2.8
120°-130°	455.3	4.6
130°-140°	260.0	2.7
140°-150°	142.4	1.5
150°-160°	69.7	0.7
160°-170°	36.9	0.4
170°-180°	13.3	0.1
0°-90°	7943.6	81.1
0°-180°	9793.8	100.0



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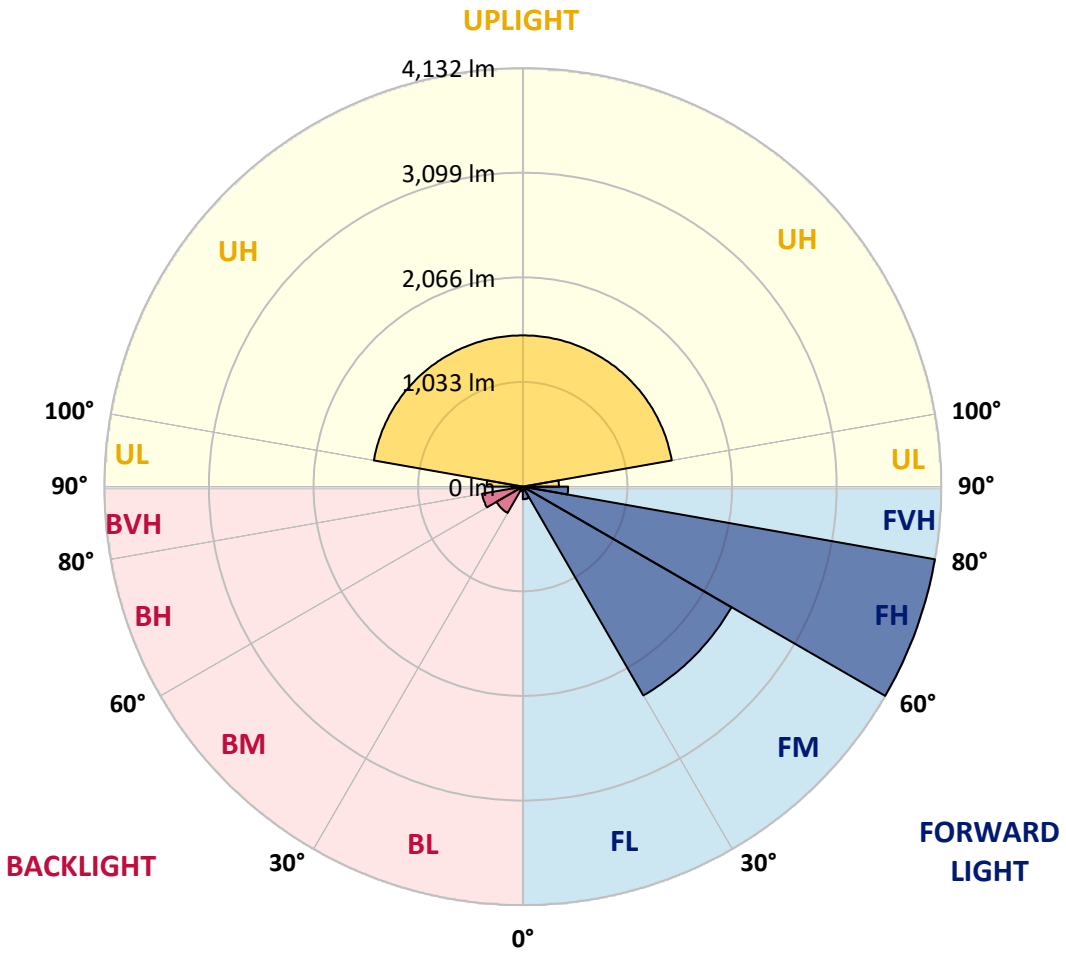
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	124.6	1.3			
FM	(30°-60°)	2380.1	24.3			
FH	(60°-80°)	4132.1	42.2			G2/5000
FVH	(80°-90°)	447.8	4.6			G3/500
BL	(0°-30°)	45.0	0.5	B0/110		
BM	(30°-60°)	300.3	3.1	B1/1000		
BH	(60°-80°)	408.5	4.2	B1/500		G1/500
BVH	(80°-90°)	105.3	1.1			G2/225
UL	(90°-100°)	357.0	3.6		U3/500	
UH	(100°-180°)	1493.2	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2.5°	66.4	65.8	67.1	69.2	68.5	66.4	65.1	64.4	62.3	61.6	59.5
5°	98.3	97.6	96.2	97.6	98.3	95.5	94.1	90.7	87.2	81.0	77.5
7.5°	137.7	138.4	139.8	136.4	135.0	128.7	127.4	123.9	118.4	110.7	108.7
10°	186.9	187.6	191.0	185.5	176.5	168.9	167.5	168.9	175.1	155.7	144.0
12.5°	235.3	233.3	243.6	240.9	229.1	218.0	212.5	213.2	210.4	195.9	176.5
15°	280.3	280.3	287.9	290.7	278.2	252.6	244.3	242.3	240.9	225.6	198.6
17.5°	308.7	310.1	310.8	310.8	306.6	285.2	275.5	271.3	258.9	245.0	220.1
20°	332.2	332.9	326.7	327.4	333.6	314.9	305.2	296.9	283.8	269.2	238.1
22.5°	364.8	363.4	353.7	349.5	363.4	347.5	337.1	328.1	312.2	295.6	267.2
25°	400.8	399.4	389.7	379.3	389.0	374.5	363.4	355.1	340.5	329.5	271.3
27.5°	435.4	434.0	417.4	416.0	407.7	400.8	389.0	386.9	375.8	343.3	269.2
30°	461.0	459.6	441.6	442.3	420.8	426.4	409.1	407.7	394.5	351.6	274.1
32.5°	470.7	472.1	464.4	461.0	431.9	454.1	438.1	432.6	429.1	373.8	298.3
35°	506.0	517.0	528.8	533.0	506.7	548.2	515.7	511.5	519.8	454.7	372.4
37.5°	778.0	772.4	728.8	667.2	653.4	744.8	739.9	743.4	737.8	647.2	492.8
40°	778.7	782.1	754.5	717.1	673.5	766.9	838.2	775.2	867.3	705.3	540.6
42.5°	818.1	807.1	872.8	887.3	838.9	978.0	1188.4	951.0	1149.7	859.7	735.8
45°	968.3	968.3	980.1	987.0	969.7	1319.3	1726.2	1326.9	1536.6	1075.6	883.2
47.5°	1123.4	1110.2	1177.4	1290.2	1357.3	1697.9	2278.6	1753.2	2084.1	1445.9	1225.8
50°	1566.4	1585.0	1713.8	1845.3	1945.7	2527.8	3668.4	3004.0	3404.0	2223.2	1871.6
52.5°	1910.4	2019.7	2118.7	2487.6	2532.6	3453.9	4822.3	4030.4	4361.3	3123.7	2317.3
55°	2265.4	2482.1	2540.9	3192.2	3243.4	4438.1	5740.8	5105.4	5198.8	4118.3	2751.3
57.5°	2916.1	3218.5	3238.6	3933.5	3931.5	5717.9	7167.3	6648.2	6577.6	5244.5	3416.5
60°	3476.0	3820.7	3697.5	4660.3	4444.3	6661.3	7940.4	7417.2	7262.8	6147.7	3884.4
62.5°	3815.9	4152.3	4000.7	5139.3	4771.7	7112.6	8220.1	7914.8	7651.8	6694.5	4265.8
65°	4069.2	4416.0	4188.9	5411.3	4765.5	7134.8	8368.2	8170.9	7862.9	6837.1	4349.5
67.5°	4036.0	4374.4	4102.4	5303.3	4432.6	6497.3	7932.8	7687.1	7306.4	6286.9	4067.8
70°	3499.5	3703.7	3404.7	4517.0	3543.8	5025.8	6179.6	6037.7	5671.5	4812.6	3146.5
72.5°	2945.8	2996.3	2716.0	3535.5	2763.1	3661.5	4695.6	4544.0	4303.8	3571.5	2378.3
75°	2275.1	2275.1	2114.5	2651.0	2052.9	2598.4	3554.2	3515.5	3367.3	2680.0	1805.8
77.5°	1536.6	1456.3	1432.1	1790.6	1418.2	1714.5	2474.5	2565.8	2527.1	1918.7	1316.5
80°	895.7	915.0	881.1	1105.4	933.0	1121.3	1587.8	1708.2	1704.8	1274.3	863.8
82.5°	698.4	712.2	676.9	796.0	712.2	882.5	1113.0	1105.4	1131.7	923.3	649.9
85°	688.0	698.4	661.7	735.8	683.9	838.2	1045.8	1043.8	1038.2	854.8	610.5
87.5°	625.7	639.6	607.7	667.2	620.2	765.5	950.3	961.4	945.5	801.5	586.9
90°	523.3	537.8	524.0	593.2	544.7	660.3	826.4	834.7	820.9	714.3	529.5
92.5°	470.7	480.4	463.7	524.0	472.7	580.0	730.2	735.1	713.6	628.5	458.2
95°	434.0	443.7	422.9	467.2	417.4	511.5	621.6	637.5	605.6	530.2	390.4
97.5°	360.6	354.4	346.1	384.1	345.4	402.8	475.5	487.3	467.2	411.1	310.8
100°	312.2	314.2	310.8	338.5	303.2	346.1	402.8	407.7	399.4	358.5	281.0
102.5°	302.5	303.2	309.4	328.1	287.2	318.4	366.8	369.6	367.5	328.8	259.6
105°	299.7	299.0	302.5	322.5	280.3	291.4	337.8	339.2	332.2	305.9	242.9
107.5°	283.1	285.2	284.5	302.5	275.5	276.9	306.6	305.9	304.5	280.3	229.8
110°	324.6	321.2	306.6	307.3	281.0	287.9	317.7	314.2	307.3	292.8	250.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	461.7	452.0	435.4	380.7	353.0	372.4	*392.5*	395.9	388.3	375.1	317.0
115°	512.2	510.8	492.1	456.1	364.8	371.7	*384.8*	390.4	399.4	373.8	324.6
117.5°	420.1	443.0	413.9	418.8	366.8	322.5	*320.5*	309.4	314.2	311.5	300.4
120°	530.2	534.3	475.5	464.4	428.4	443.0	*443.7*	445.1	430.5	360.6	317.7
122.5°	745.5	745.5	762.1	792.5	773.8	747.5	*732.3*	717.1	697.0	630.6	539.2
125°	945.5	944.1	935.1	950.3	931.6	942.0	*946.9*	951.0	929.6	848.6	724.0
127.5°	762.1	781.4	814.0	896.3	844.4	829.9	*816.1*	825.7	809.8	794.6	717.1
130°	590.4	592.5	645.8	698.4	694.2	647.9	*631.9*	604.3	610.5	608.4	562.0
132.5°	504.6	507.4	538.5	568.3	593.2	559.3	*528.1*	513.6	518.4	515.0	485.2
135°	440.9	440.9	429.8	426.4	447.1	478.3	*474.8*	456.1	447.1	436.8	392.5
137.5°	381.4	380.0	359.9	348.8	365.5	405.6	*408.4*	408.4	399.4	374.5	342.6
140°	314.2	312.2	301.8	303.9	308.0	335.0	*337.1*	343.3	341.9	321.9	283.1
142.5°	238.1	238.8	254.0	271.3	281.0	339.2	*330.2*	323.2	345.4	344.0	247.1
145°	317.7	310.8	310.8	303.2	326.0	383.5	*365.5*	371.0	400.1	373.1	267.2
147.5°	291.4	294.9	295.6	294.2	323.2	326.7	*313.5*	314.2	324.6	324.6	273.4
150°	225.6	220.1	221.5	224.3	254.7	252.6	*240.9*	240.2	248.5	246.4	223.6
152.5°	178.6	177.9	177.2	180.0	204.9	194.5	*189.7*	187.6	186.2	184.1	178.6
155°	168.2	167.5	166.1	169.6	184.1	179.3	*176.5*	176.5	173.0	169.6	166.1
157.5°	149.5	148.8	149.5	156.4	164.7	159.2	*158.5*	157.8	156.4	152.3	150.9
160°	139.8	139.1	140.5	146.0	149.5	144.7	*143.3*	144.0	143.3	141.2	144.0
162.5°	132.2	132.2	132.2	135.7	137.0	133.6	*132.9*	133.6	134.3	134.3	137.7
165°	128.0	128.0	128.7	130.8	130.8	129.4	*128.0*	128.0	131.5	132.9	135.7
167.5°	130.8	130.8	131.5	132.2	132.2	130.8	*130.8*	131.5	133.6	135.0	135.0
170°	135.0	135.0	135.0	135.7	135.0	132.9	*132.9*	132.9	133.6	133.6	134.3
172.5°	139.8	139.8	139.8	139.1	137.7	137.0	*135.7*	135.7	136.4	135.7	136.4
175°	146.7	146.0	146.0	145.4	144.7	144.0	*143.3*	142.6	142.6	140.5	140.5
177.5°	150.2	149.5	150.2	150.2	149.5	148.1	*146.7*	146.7	146.0	144.7	144.0
180°	144.7	144.7	144.7	144.7	144.7	144.7	*144.7*	144.7	144.7	144.7	144.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2.5°	58.1	56.1	50.5	45.7	42.2	40.8	40.8	38.8	36.0	33.9	33.2
5°	76.8	75.4	73.4	70.6	64.4	56.1	49.1	46.4	45.0	44.3	43.6
7.5°	108.7	110.1	112.8	112.1	100.4	78.2	65.1	64.4	72.0	80.3	83.1
10°	140.5	139.1	148.1	155.7	126.7	88.6	67.1	65.1	75.4	90.0	92.1
12.5°	168.2	161.3	156.4	148.1	121.1	88.6	72.0	67.8	72.7	83.8	83.8
15°	189.0	180.0	159.9	140.5	116.3	91.4	74.8	72.0	72.0	68.5	69.2
17.5°	204.9	188.3	159.2	134.3	108.0	87.2	74.1	66.4	62.3	56.8	55.4
20°	223.6	211.8	173.0	138.4	106.6	84.4	72.0	63.0	58.1	56.1	55.4
22.5°	243.6	219.4	182.0	139.8	106.6	85.8	71.3	61.6	57.4	56.1	56.1
25°	245.7	225.0	186.9	145.4	110.1	88.6	72.7	62.3	58.1	56.8	56.1
27.5°	242.9	228.4	195.2	151.6	113.5	91.4	75.4	63.7	58.1	56.1	55.4
30°	253.3	241.6	204.9	155.7	117.0	94.8	78.2	66.4	59.5	55.4	54.7
32.5°	279.6	263.0	218.0	158.5	118.4	95.5	81.0	69.2	60.9	56.1	55.4
35°	348.8	333.6	268.6	168.2	118.4	96.9	83.1	71.3	62.3	56.8	56.1
37.5°	449.2	420.8	330.2	200.7	119.7	99.7	85.1	74.1	64.4	58.1	56.8
40°	476.2	402.1	280.3	180.0	122.5	102.4	88.6	76.8	67.1	60.2	59.5
42.5°	618.1	514.3	346.1	190.3	130.8	104.5	90.7	79.6	69.2	62.3	60.9
45°	661.7	515.0	351.6	220.1	153.7	113.5	94.1	81.7	70.6	63.7	63.0
47.5°	867.3	638.9	358.5	236.0	172.3	130.8	102.4	84.4	72.0	65.1	64.4
50°	1271.5	901.2	445.1	294.9	213.2	159.9	120.4	90.0	73.4	67.1	65.8
52.5°	1586.4	1081.1	482.4	360.6	283.1	211.1	151.6	104.5	77.5	68.5	67.1
55°	1933.9	1328.2	548.2	434.7	343.3	264.4	192.4	126.0	85.8	70.6	69.2
57.5°	2412.2	1585.7	643.7	512.9	416.7	308.7	219.4	147.4	96.9	75.4	72.7
60°	2702.9	1695.1	658.9	555.1	460.3	344.0	231.2	156.4	108.7	82.4	78.2
62.5°	2981.1	1770.5	663.1	571.7	470.7	350.9	232.6	152.3	112.8	92.1	86.5
65°	*3037.9*	*1695.8*	*664.5*	*575.2*	*458.2*	*332.9*	*225.0*	*148.1*	*108.0*	*100.4*	*101.1*
67.5°	2846.2	1506.1	616.0	550.3	425.0	296.9	202.1	141.9	106.6	99.0	101.1
70°	2237.7	1180.1	562.7	510.1	360.6	252.6	180.0	133.6	106.6	95.5	93.4
72.5°	1737.3	1008.5	576.6	484.5	308.7	225.6	162.7	124.6	103.1	94.8	93.4
75°	1348.3	841.7	568.3	426.4	251.9	193.8	146.0	114.2	98.3	93.4	92.7
77.5°	985.6	663.8	470.0	326.7	209.0	164.7	128.7	107.3	95.5	91.4	90.7
80°	634.0	464.4	327.4	260.9	183.4	150.2	120.4	102.4	94.1	91.4	90.7
82.5°	534.3	421.5	294.9	247.1	177.2	153.0	126.0	107.3	99.0	96.2	95.5
85°	514.3	434.0	303.2	257.5	169.6	146.0	123.2	107.3	99.7	96.2	95.5
87.5°	488.7	392.5	299.0	236.7	163.3	140.5	121.1	110.1	102.4	100.4	99.7
90°	442.3	346.1	274.1	220.1	172.3	149.5	133.6	121.8	114.2	109.4	108.0
92.5°	373.1	278.2	235.3	217.3	189.0	169.6	153.7	143.3	135.0	130.1	128.0
95°	314.2	242.9	204.9	192.4	166.8	152.3	137.0	129.4	123.2	119.1	119.1
97.5°	256.1	208.3	190.3	180.7	159.9	144.0	131.5	123.9	121.8	120.4	119.7
100°	240.9	204.2	191.7	183.4	166.8	152.3	142.6	135.7	135.0	134.3	134.3
102.5°	223.6	193.1	179.3	171.0	154.4	141.9	135.0	129.4	127.4	125.3	123.2
105°	211.1	182.7	172.3	161.3	148.1	135.7	128.7	120.4	119.1	118.4	118.4
107.5°	204.9	181.3	175.8	158.5	146.0	140.5	132.2	121.8	119.7	117.0	117.0
110°	226.3	201.4	185.5	164.0	150.9	146.0	144.0	135.0	128.0	119.7	119.1

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

Scaled Data Report

REPORT NUMBER: P1046563
CATALOG NUMBER: FFX-CLB-70-730-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	280.3	246.4	227.7	195.9	168.9	157.1	148.1	138.4	134.3	128.7	126.7
115°	301.8	267.2	243.6	211.8	180.7	159.9	146.7	145.4	141.2	137.7	141.2
117.5°	309.4	242.9	200.7	193.1	169.6	153.0	146.7	144.7	146.0	146.0	139.8
120°	333.6	262.3	246.4	236.7	192.4	165.4	151.6	158.5	157.1	148.8	148.8
122.5°	497.7	444.4	391.8	326.7	271.3	239.5	192.4	161.3	155.0	149.5	146.0
125°	655.5	607.7	525.3	438.8	343.3	254.0	191.0	168.9	157.1	150.2	151.6
127.5°	667.9	617.4	523.3	417.4	306.6	237.4	192.4	173.0	159.9	152.3	150.9
130°	521.9	485.9	415.3	337.8	260.3	212.5	177.9	158.5	146.7	139.8	138.4
132.5°	461.7	431.2	357.8	290.0	237.4	197.3	167.5	146.0	137.7	132.9	132.2
135°	368.9	343.3	294.2	257.5	220.8	187.6	157.8	137.7	130.1	129.4	128.0
137.5°	323.2	302.5	264.4	233.9	203.5	171.7	146.7	130.1	126.7	127.4	125.3
140°	263.7	254.7	233.3	207.0	174.4	141.2	123.9	118.4	123.9	126.7	126.7
142.5°	226.3	214.6	190.3	159.9	139.1	123.9	121.8	119.7	122.5	123.9	123.9
145°	208.3	194.5	174.4	163.3	153.7	140.5	129.4	119.7	117.0	117.7	117.7
147.5°	235.3	219.4	206.3	185.5	162.0	139.8	123.2	112.1	112.1	114.9	115.6
150°	195.2	181.3	172.3	160.6	142.6	124.6	112.8	107.3	109.4	114.9	115.6
152.5°	163.3	146.7	141.2	134.3	124.6	114.9	109.4	106.6	110.1	114.2	114.2
155°	159.2	144.7	137.7	130.8	121.8	113.5	108.7	107.3	110.7	113.5	114.2
157.5°	149.5	141.2	132.2	126.7	119.7	113.5	110.1	108.7	111.4	113.5	114.2
160°	144.0	139.1	128.7	123.9	117.7	113.5	112.8	112.8	114.2	114.9	114.9
162.5°	137.7	135.0	128.7	124.6	120.4	118.4	119.7	120.4	120.4	119.7	119.7
165°	135.7	134.3	128.7	125.3	123.2	123.9	126.7	127.4	125.3	123.9	123.9
167.5°	135.0	135.0	130.8	128.0	127.4	128.7	131.5	131.5	129.4	126.7	126.0
170°	135.0	135.7	134.3	134.3	132.9	133.6	134.3	134.3	132.9	131.5	130.8
172.5°	137.0	137.0	137.0	137.0	136.4	137.0	137.7	137.7	137.7	137.0	137.0
175°	140.5	140.5	140.5	139.8	139.1	139.1	139.8	140.5	141.2	141.2	141.2
177.5°	144.0	143.3	142.6	143.3	142.6	142.6	144.0	144.7	145.4	145.4	145.4
180°	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7

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: SP1-2501-332-4

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

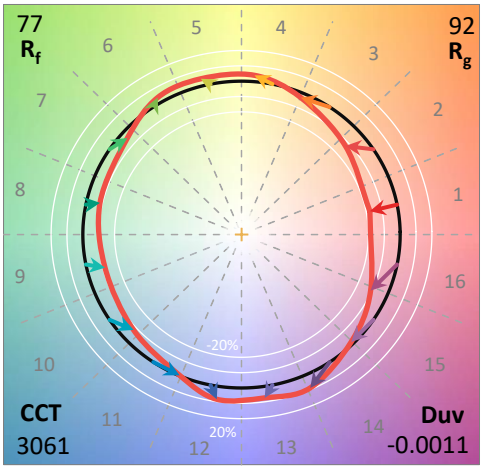
Test Information

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

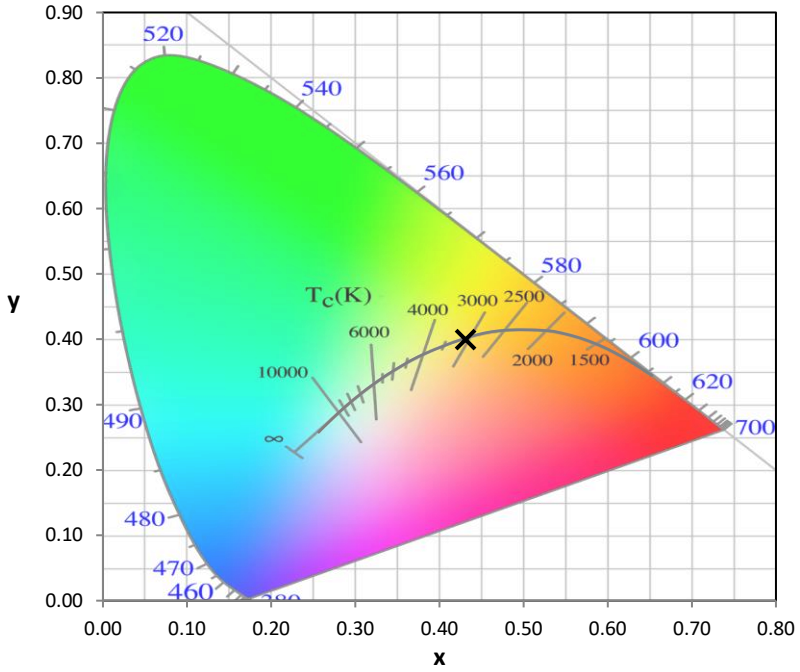
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

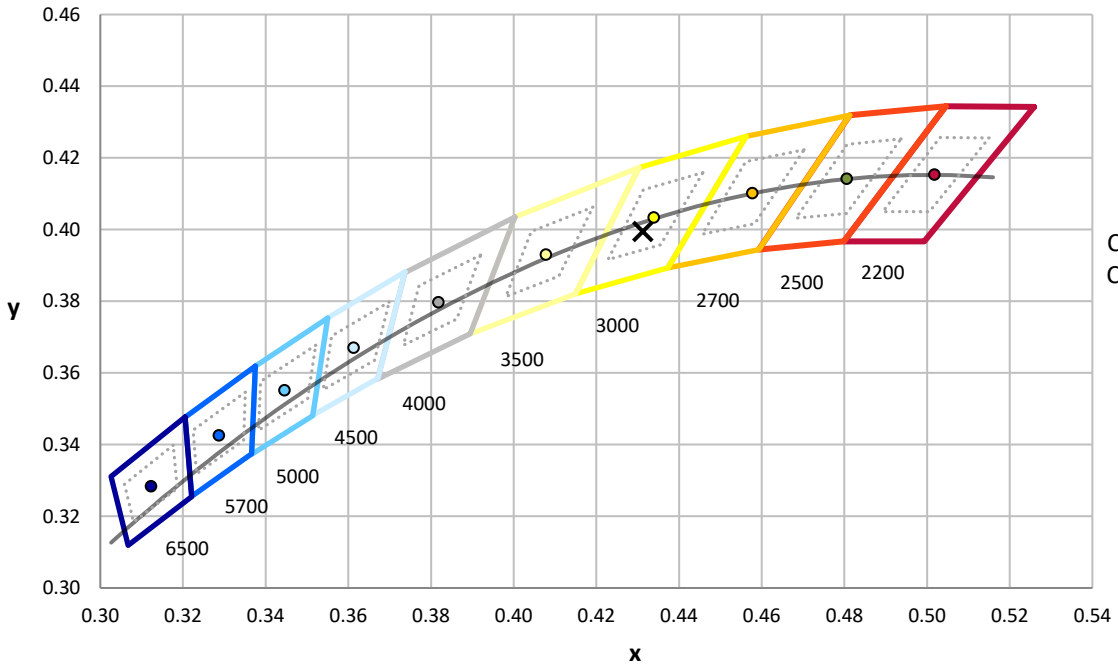
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

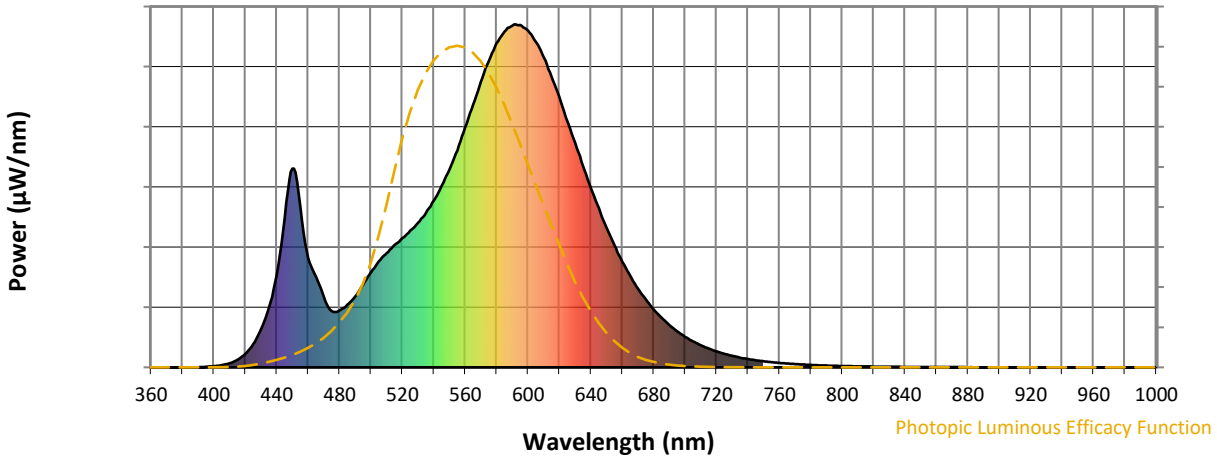


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

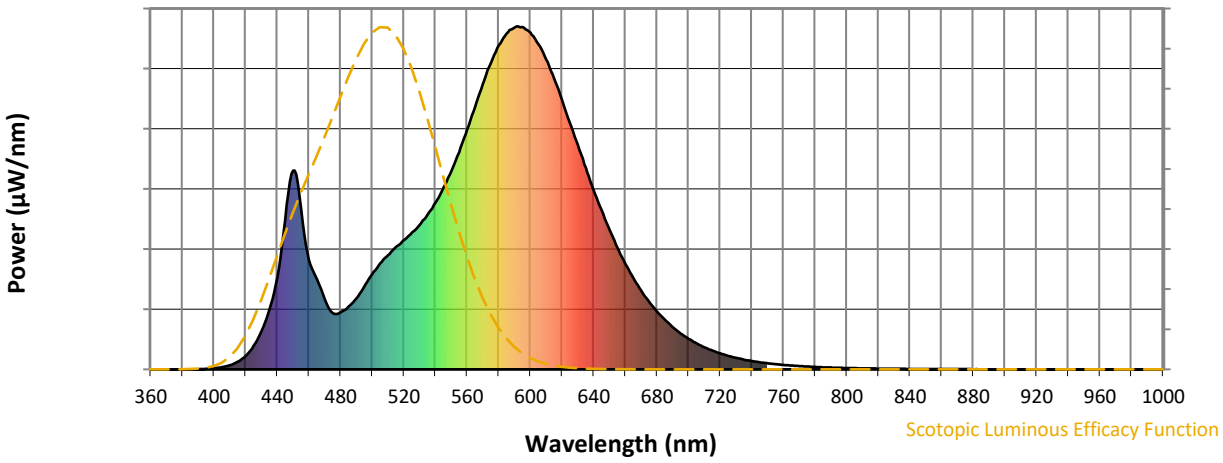


Photopic Lumens: NR

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

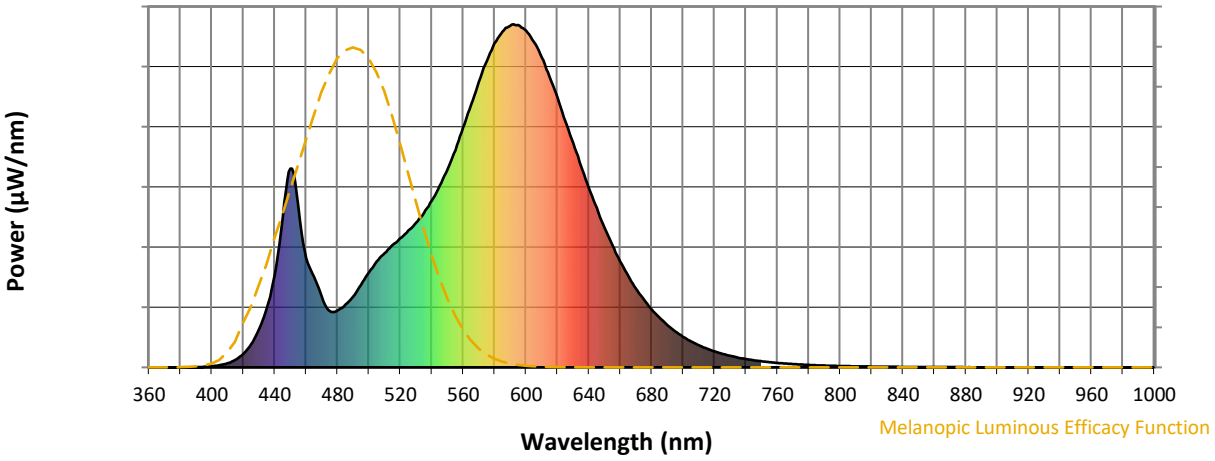


Scotopic Lumens: NR **S/P: 1.29**

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			

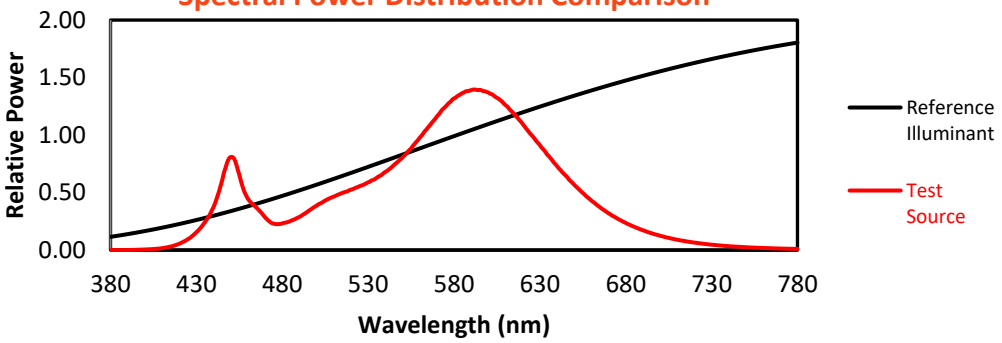
REPORT NUMBER: SP1-2501-332-4

TM-30-18

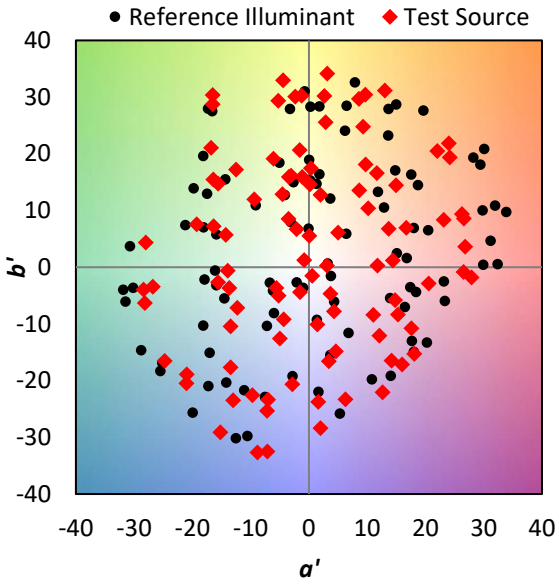
Summary

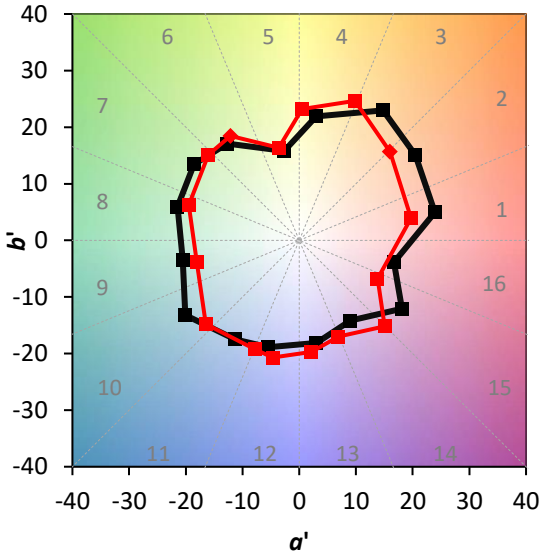
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

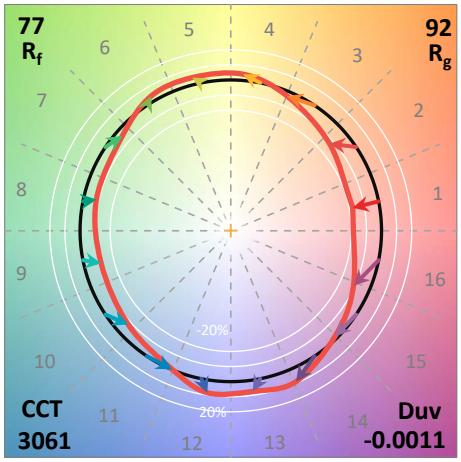
Spectral Power Distribution Comparison

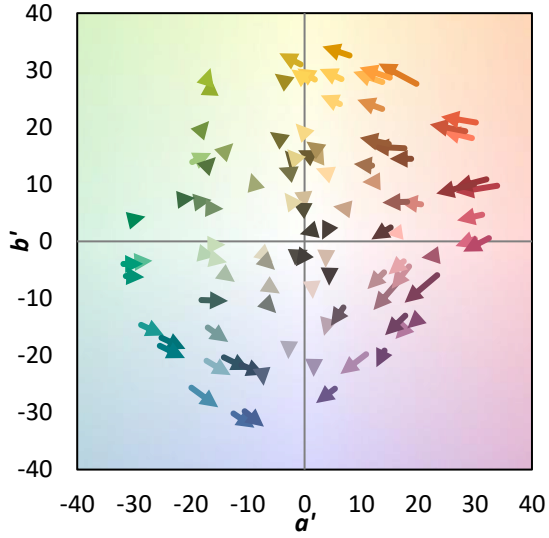


Color Vector Graphics







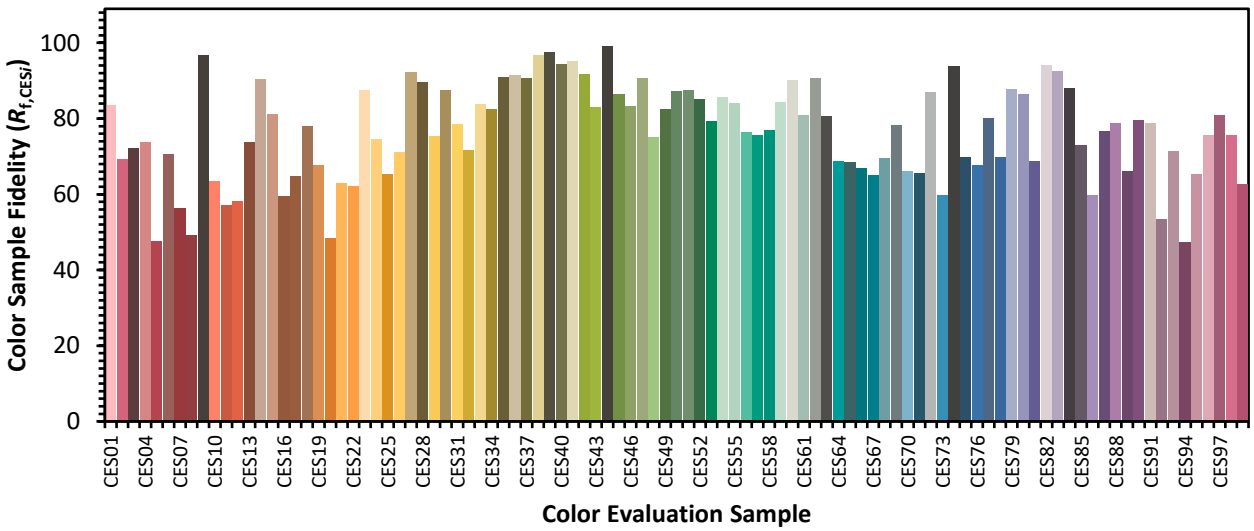


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

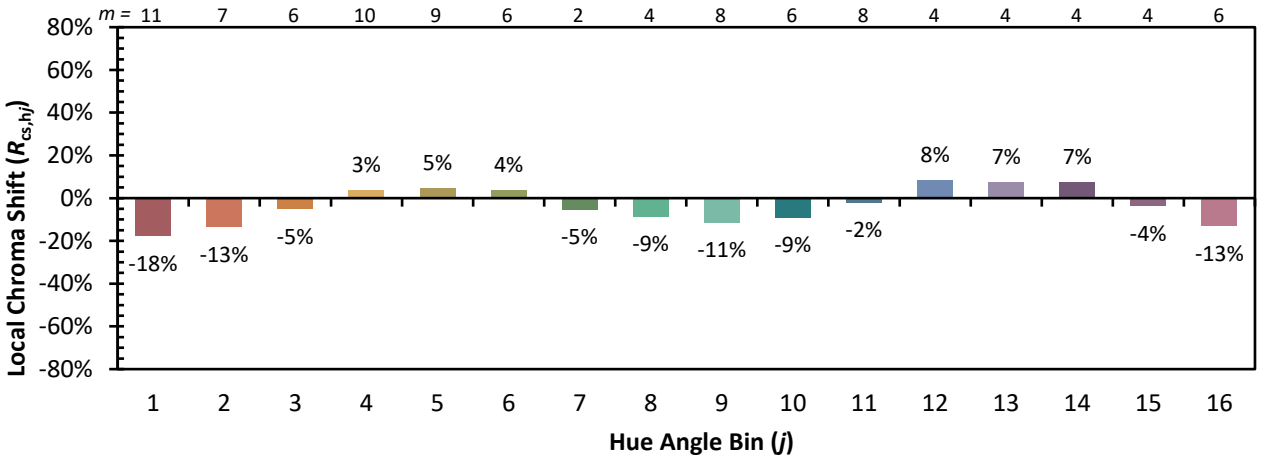
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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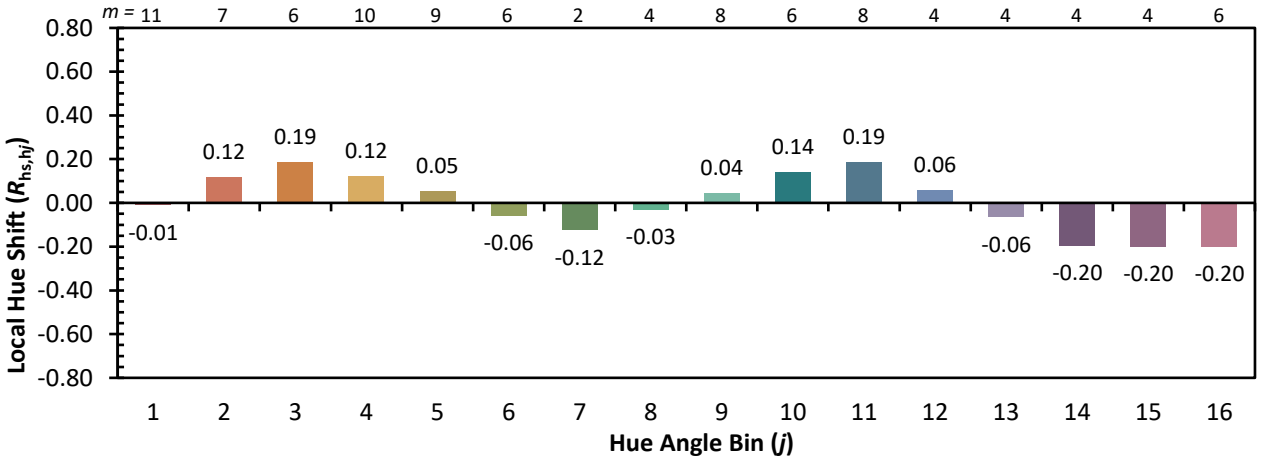


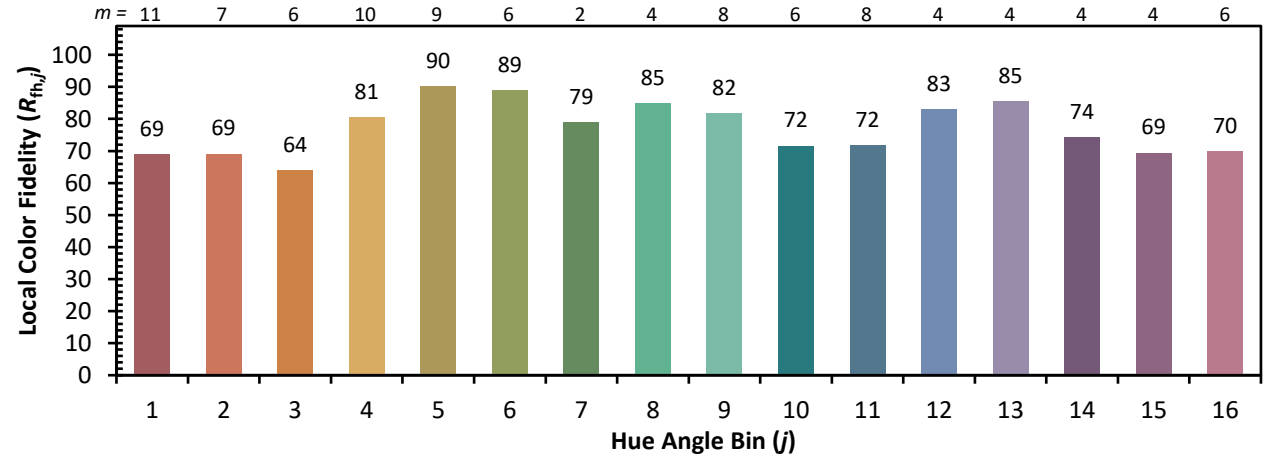
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Color Rendition by Hue-Angle Bin



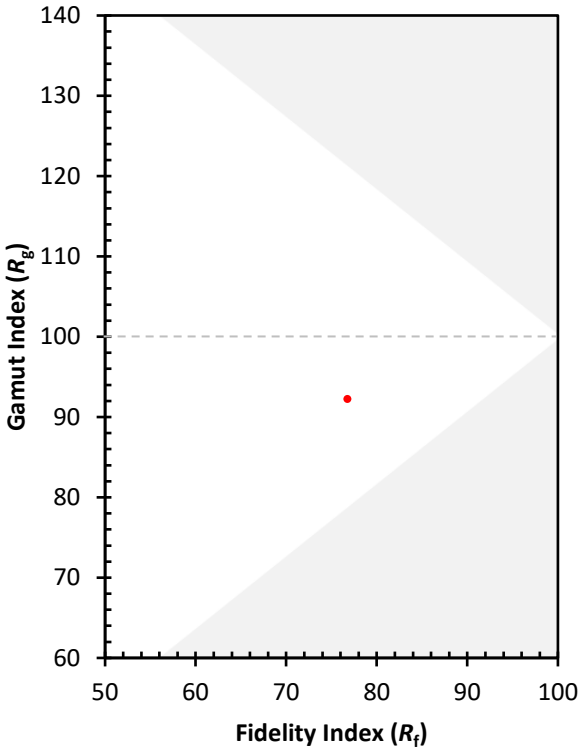


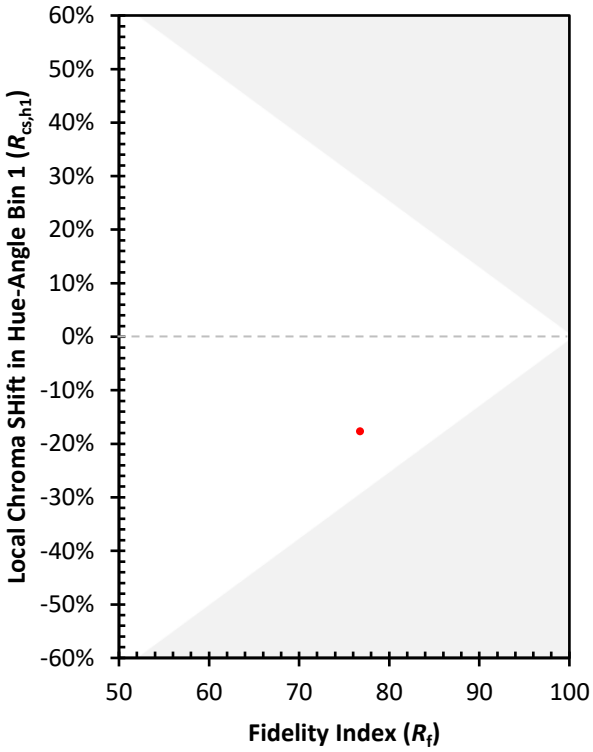


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Measure Comparisons





(END OF REPORT)