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: P1046195

Luminaire Tested: **FFX-CLB-60-727-U-FR-T4-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046195
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8209.2 lumens
Efficiency:	N/A
Efficacy:	135.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

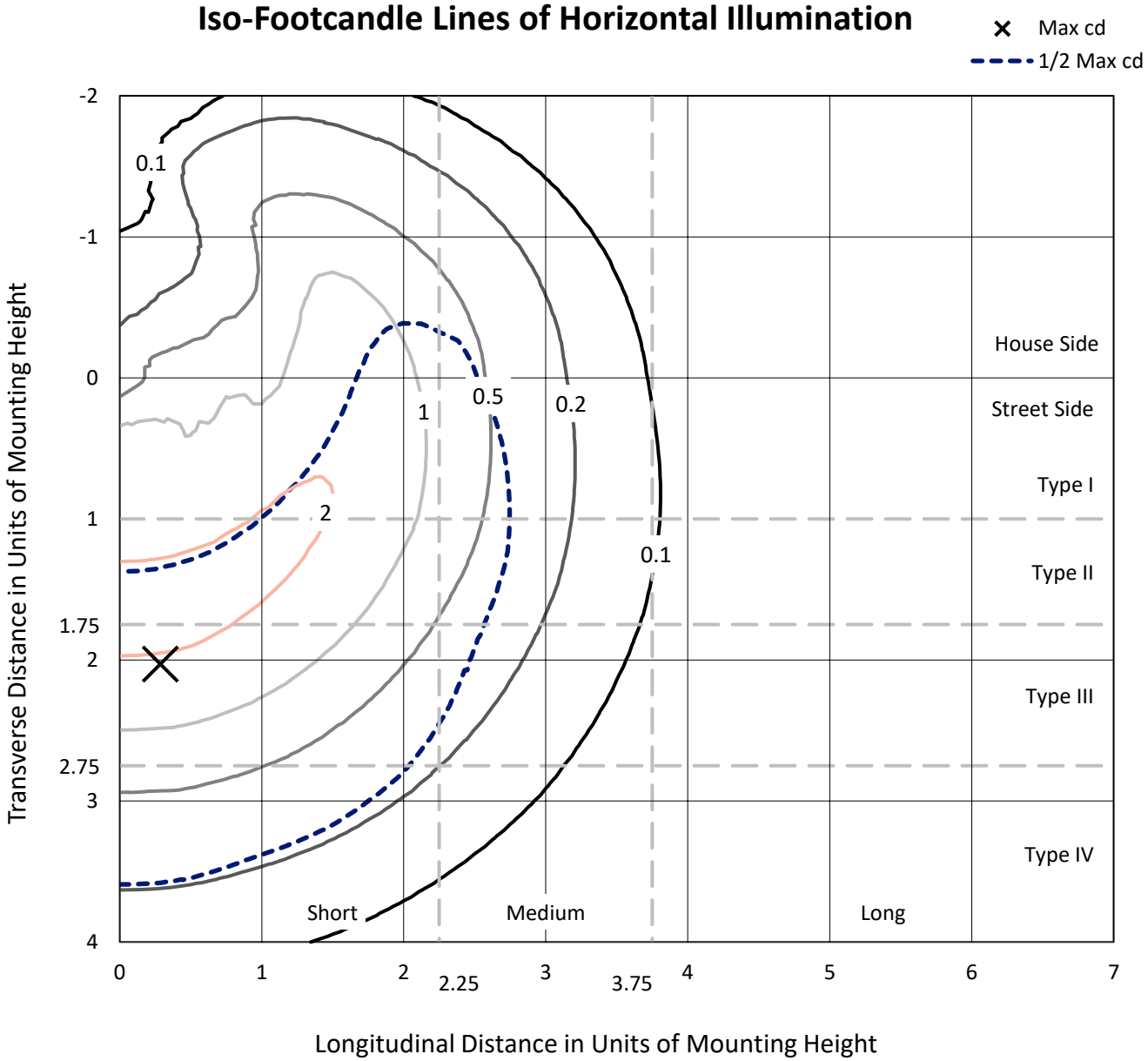


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Iso-Footcandle Lines of Horizontal Illumination



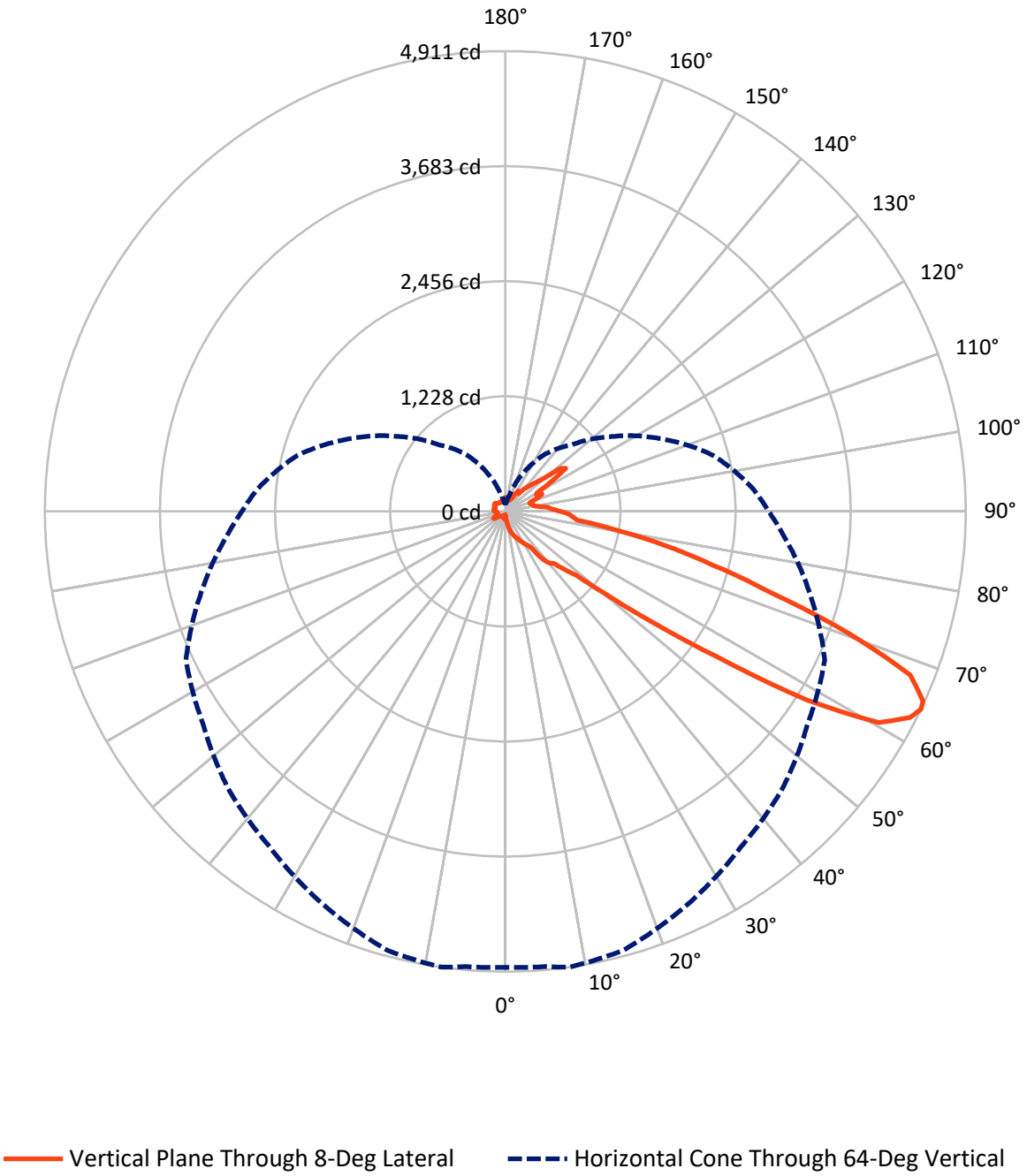
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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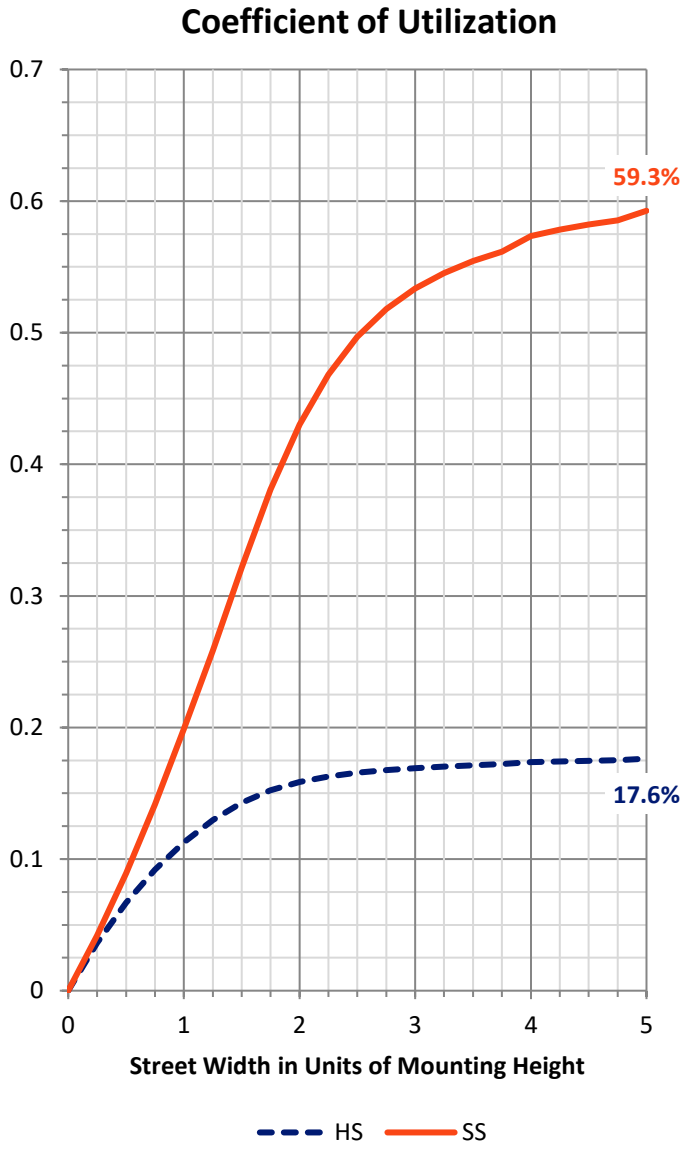
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1501.3	560.8	2062.1
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	5073.2	1073.9	6147.0
	% Fixture	61.8	13.1	74.9
Total	Lumens	6574.5	1634.7	8209.2
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	45.2	0.6
20°-30°	98.1	1.2
30°-40°	196.1	2.4
40°-50°	424.5	5.2
50°-60°	1471.5	17.9
60°-70°	2475.2	30.2
70°-80°	1346.0	16.4
80°-90°	509.5	6.2
90°-100°	321.5	3.9
100°-110°	216.9	2.6
110°-120°	234.7	2.9
120°-130°	386.2	4.7
130°-140°	237.8	2.9
140°-150°	124.4	1.5
150°-160°	64.8	0.8
160°-170°	35.2	0.4
170°-180°	13.2	0.2
0°-90°	6574.5	80.1
0°-180°	8209.2	100.0



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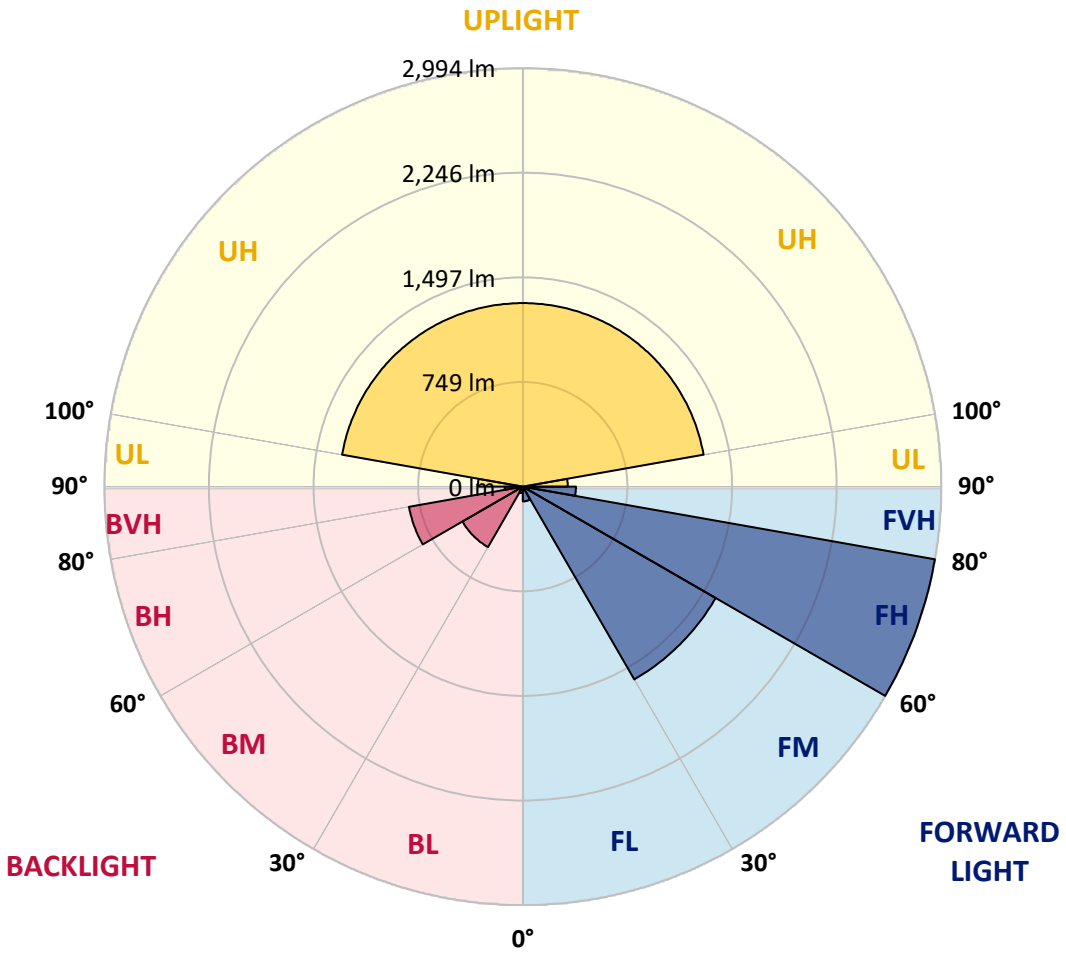
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	105.6	1.3			
FM	(30°-60°)	1593.1	19.4			
FH	(60°-80°)	2994.4	36.5			G2/5000
FVH	(80°-90°)	380.1	4.6			G3/500
BL	(0°-30°)	46.1	0.6	B0/110		
BM	(30°-60°)	499.0	6.1	B1/1000		
BH	(60°-80°)	826.8	10.1	B2/1000		G2/1000
BVH	(80°-90°)	129.4	1.6			G2/225
UL	(90°-100°)	321.5	3.9		U3/500	
UH	(100°-180°)	1313.2	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	52.8	52.8	*52.8*	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2.5°	57.3	57.3	*57.3*	59.0	60.2	60.7	59.0	57.9	57.3	56.8	55.0
5°	82.3	82.9	*82.9*	84.6	83.4	84.6	82.3	80.6	77.7	74.3	71.5
7.5°	116.3	116.3	*115.8*	116.3	115.8	113.5	113.5	115.2	110.7	103.9	97.6
10°	157.8	158.9	*158.3*	156.1	152.7	149.8	149.8	152.1	145.3	133.4	124.3
12.5°	199.8	202.0	*199.8*	200.3	194.7	192.4	187.8	186.7	177.6	166.3	150.4
15°	231.0	232.7	*233.2*	234.9	234.4	227.0	219.1	210.5	203.2	193.0	176.5
17.5°	255.9	256.5	*257.6*	257.1	253.7	246.3	237.2	228.1	216.2	205.4	190.1
20°	280.3	282.6	*282.0*	281.5	279.8	274.1	263.3	250.3	240.1	224.2	208.3
22.5°	305.3	303.6	*304.7*	304.2	304.2	298.5	287.2	271.8	258.2	242.3	228.1
25°	334.3	333.7	*334.3*	332.6	330.3	327.4	313.3	295.7	280.3	263.9	244.0
27.5°	364.9	365.5	*366.0*	363.2	360.4	355.8	335.4	317.8	301.3	280.9	253.1
30°	399.0	397.3	*397.8*	393.8	392.1	378.0	358.1	337.1	318.9	291.7	264.5
32.5°	430.2	427.3	*426.8*	423.4	420.5	400.1	379.7	359.2	337.7	309.9	286.0
35°	473.9	479.5	*477.3*	477.3	484.6	453.4	429.6	409.7	386.5	357.5	332.6
37.5°	652.1	650.9	*644.1*	635.0	609.5	587.4	576.6	545.4	507.9	476.1	436.4
40°	738.3	734.9	*727.5*	709.4	691.2	665.1	648.7	629.4	610.1	553.9	490.3
42.5°	758.7	755.9	*757.6*	779.2	803.0	783.7	719.6	649.8	615.7	577.7	545.9
45°	870.5	880.2	*883.0*	882.5	865.4	845.0	817.2	775.2	716.2	662.3	595.9
47.5°	1012.4	1011.3	*1018.1*	1009.0	1023.2	987.5	951.7	908.0	846.7	773.5	694.1
50°	1383.6	1371.7	*1373.4*	1376.8	1355.2	1329.1	1296.7	1272.3	1152.6	1048.7	927.9
52.5°	1973.2	1974.9	*1962.4*	1961.9	1897.7	1847.2	1790.5	1792.7	1616.8	1477.2	1302.4
55°	2773.4	2774.5	*2729.7*	2766.6	2694.5	2687.7	2562.3	2400.5	2163.9	1973.8	1797.8
57.5°	3769.9	3804.0	*3800.0*	3734.2	3624.1	3564.5	3361.9	3192.2	2857.4	2558.9	2319.9
60°	4618.9	4603.0	*4576.9*	4527.0	4197.2	4058.8	3909.5	3764.8	3487.3	3074.2	2716.6
62.5°	4861.2	4849.3	*4844.8*	4819.8	4559.3	4331.2	4143.3	3906.7	3721.1	3315.9	2951.6
64°	*4865.2*	*4876.0*	*4911.2*	*4851.6*	*4620.0*	*4376.6*	*4181.9*	*3940.2*	*3759.7*	*3360.2*	*2979.9*
65°	4856.1	4853.8	*4898.1*	4822.6	4617.2	4374.3	4158.1	3926.5	3747.8	3348.3	2972.6
67.5°	4612.7	4603.0	*4659.8*	4562.7	4383.4	4164.3	3952.1	3703.5	3546.3	3162.7	2798.9
70°	3785.2	3784.7	*3873.2*	3792.0	3738.7	3506.6	3289.8	3061.7	2893.7	2578.7	2274.5
72.5°	2900.5	2895.4	*2954.4*	2893.7	2866.4	2756.9	2554.3	2352.9	2192.8	1956.7	1710.4
75°	2311.4	2313.7	*2282.5*	2222.9	2200.8	2152.0	2061.7	1941.4	1807.5	1593.0	1366.0
77.5°	1730.9	1719.5	*1733.1*	1649.7	1643.5	1628.7	1628.2	1551.0	1437.5	1300.7	1120.8
80°	1153.7	1160.5	*1184.9*	1162.8	1169.1	1163.9	1195.7	1114.0	1027.7	947.2	851.3
82.5°	746.3	764.4	*771.2*	801.9	828.6	840.5	796.8	714.5	660.6	631.1	588.5
85°	716.2	723.6	*719.6*	701.4	692.4	677.6	677.0	650.9	623.1	566.4	497.1
87.5°	660.6	669.1	*665.7*	649.8	629.4	627.7	623.7	605.5	592.5	547.6	486.3
90°	563.5	564.1	*566.9*	564.1	560.1	557.3	534.6	523.8	515.9	477.3	435.8
92.5°	488.6	495.4	*493.7*	488.6	475.6	483.5	459.1	438.7	434.1	407.5	375.7
95°	448.9	453.4	*454.6*	445.5	433.0	430.2	411.4	395.5	388.2	370.6	332.0
97.5°	372.3	369.4	*367.2*	364.9	356.4	347.3	335.4	315.5	309.3	290.0	268.4
100°	317.8	318.9	*317.8*	316.1	308.7	304.2	295.7	279.8	273.0	260.5	245.7
102.5°	303.0	303.6	*303.6*	304.2	291.7	281.5	272.4	261.1	254.8	244.0	229.8
105°	289.4	289.4	*290.6*	291.1	278.6	263.9	250.8	244.6	241.8	229.3	214.5
107.5°	272.4	271.8	*273.5*	266.2	253.7	247.4	233.8	226.4	225.3	215.7	200.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	297.4	291.1	*290.0*	271.8	254.8	240.6	233.8	227.0	223.0	210.0	200.3
112.5°	389.3	380.8	*378.5*	361.5	301.9	296.8	290.6	288.3	286.0	268.4	252.0
115°	429.0	429.0	*435.8*	429.0	387.6	340.5	333.7	323.5	327.4	305.9	282.0
117.5°	343.3	367.2	*374.0*	353.6	355.3	325.2	278.6	262.8	254.8	248.6	259.3
120°	385.3	401.2	*394.4*	357.0	339.9	322.3	324.6	318.9	290.6	251.4	255.4
122.5°	574.3	589.1	*594.2*	597.0	605.0	593.0	566.4	528.9	500.5	453.4	426.8
125°	804.1	793.4	*792.2*	797.3	803.6	788.3	776.9	769.5	751.9	690.1	603.3
127.5°	738.3	733.2	*741.7*	740.6	755.9	729.8	724.7	728.7	721.9	687.2	636.7
130°	529.5	538.6	*544.8*	565.2	595.3	572.0	550.5	518.1	515.9	532.9	506.2
132.5°	444.4	448.3	*459.7*	486.3	509.0	499.4	467.6	436.4	434.1	448.3	446.1
135°	392.7	395.5	*397.3*	398.4	394.4	403.5	396.7	385.3	378.0	378.5	371.7
137.5°	350.7	351.9	*350.7*	341.6	330.9	329.2	346.2	346.7	339.9	328.0	318.9
140°	304.2	304.2	*299.6*	293.4	291.7	292.3	301.9	303.6	295.7	286.0	272.4
142.5°	237.8	234.9	*235.5*	245.7	263.9	259.9	247.4	231.5	229.3	240.6	236.1
145°	257.1	256.5	*254.8*	255.4	250.8	243.5	238.9	233.8	224.7	217.4	210.0
147.5°	259.3	257.1	*258.2*	255.9	253.7	250.3	248.6	250.8	248.6	243.5	233.8
150°	204.9	206.0	*207.1*	204.3	206.6	207.7	206.6	204.9	207.7	201.5	197.5
152.5°	160.0	159.5	*158.9*	160.0	159.5	161.7	162.3	161.7	160.6	160.0	153.8
155°	150.4	152.1	*151.0*	147.6	149.8	151.5	153.8	155.5	153.8	151.0	145.3
157.5°	138.5	138.5	*138.5*	138.5	139.0	139.6	142.4	143.6	143.6	141.9	137.9
160°	128.8	129.4	*129.4*	129.4	130.5	131.7	133.4	134.5	135.6	134.5	132.2
162.5°	123.1	122.6	*122.6*	123.1	123.1	124.9	126.6	128.8	129.4	128.3	128.3
165°	119.7	119.7	*119.7*	120.3	121.4	122.6	124.9	125.4	126.0	127.1	127.1
167.5°	123.7	123.7	*123.7*	124.3	125.4	127.1	128.3	129.4	131.7	132.2	132.2
170°	130.0	130.0	*130.0*	130.5	131.1	131.7	132.2	133.4	133.9	135.1	134.5
172.5°	136.2	135.6	*136.2*	136.2	136.2	136.2	136.2	136.8	137.3	137.3	137.3
175°	143.0	143.0	*143.6*	143.0	141.9	141.9	141.9	142.4	142.4	142.4	141.9
177.5°	149.8	149.8	*149.3*	149.8	149.3	148.7	148.1	147.6	146.4	146.4	145.3
180°	145.8	145.8	*145.8*	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2.5°	53.9	51.6	48.8	45.4	42.0	39.7	37.5	34.6	32.9	32.3	32.3
5°	68.1	66.4	63.6	59.0	56.2	51.1	46.5	43.7	40.9	38.0	35.8
7.5°	95.3	94.8	96.5	99.9	95.3	83.4	70.9	64.1	64.7	68.1	69.8
10°	119.7	116.3	116.9	124.9	117.5	94.8	77.7	71.5	74.9	81.7	82.9
12.5°	145.3	140.2	136.2	134.5	118.0	92.5	77.2	69.8	71.5	77.2	77.2
15°	168.5	162.3	153.2	141.3	122.0	99.3	80.6	69.8	69.8	69.2	68.1
17.5°	181.6	174.8	158.3	139.6	118.6	98.2	78.9	68.1	62.4	57.9	57.3
20°	202.0	198.6	177.6	151.0	122.0	95.9	76.0	65.3	59.0	55.6	54.5
22.5°	221.9	212.2	185.0	157.8	124.9	95.3	74.9	64.7	59.0	56.2	55.0
25°	232.7	220.8	193.5	165.7	128.8	95.9	76.0	65.8	59.6	56.8	56.2
27.5°	241.2	228.7	203.2	173.1	133.9	98.2	79.5	67.5	60.7	57.3	56.8
30°	252.5	240.6	214.5	182.2	138.5	103.3	83.4	70.4	62.4	59.0	58.5
32.5°	274.1	259.3	228.7	190.1	144.1	108.4	88.5	74.9	65.3	60.2	60.2
35°	318.9	303.0	262.2	211.7	150.4	112.4	91.9	77.7	67.5	61.9	61.3
37.5°	413.1	393.3	343.3	265.0	165.7	118.0	95.9	79.5	68.7	63.6	62.4
40°	458.5	421.7	365.5	296.2	191.2	127.1	102.2	83.4	70.4	64.1	63.6
42.5°	513.6	482.9	405.8	304.2	212.2	148.1	112.9	89.1	73.8	65.3	64.7
45°	567.5	537.4	468.8	370.0	255.4	181.0	130.5	98.7	78.9	68.1	66.4
47.5°	661.7	612.3	530.0	433.0	314.4	229.3	160.6	112.4	87.4	71.5	69.2
50°	894.9	862.6	736.6	587.9	409.2	298.5	218.5	144.1	97.0	73.8	70.4
52.5°	1207.1	1145.8	1002.8	820.6	593.6	443.2	319.5	213.9	119.2	76.0	71.5
55°	1701.4	1606.0	1441.5	1125.9	851.8	671.9	500.0	351.3	181.6	81.2	72.1
57.5°	2229.7	2143.5	1947.1	1556.1	1154.3	855.8	658.3	496.0	254.8	92.5	78.3
60°	2583.3	2432.9	2208.7	1830.8	1395.5	1006.2	736.6	520.4	264.5	94.8	81.7
62.5°	2785.9	2630.4	2298.9	1864.8	1438.6	1039.7	770.7	476.7	211.1	91.9	85.1
64°	*2809.7*	*2659.9*	*2300.1*	*1832.5*	*1392.6*	*1005.0*	*746.8*	*447.2*	*183.3*	*90.8*	*86.8*
65°	2791.0	2652.5	2272.3	1793.9	1330.8	960.2	718.5	417.7	162.9	89.7	87.4
67.5°	2608.8	2487.4	2089.0	1627.0	1183.2	829.1	589.6	321.2	127.7	87.4	86.3
70°	2112.8	2057.2	1717.3	1312.6	935.2	661.1	464.8	245.7	108.4	85.1	84.0
72.5°	1585.0	1514.7	1281.4	1001.6	728.7	514.2	353.0	189.0	95.9	82.9	81.7
75°	1270.6	1202.0	1015.8	788.8	542.0	384.2	261.1	141.3	90.2	82.3	81.2
77.5°	1050.4	995.4	835.4	600.4	385.3	275.2	191.8	115.2	88.5	82.9	81.7
80°	808.1	799.0	652.6	437.0	273.0	205.4	154.9	107.8	89.1	85.1	84.0
82.5°	566.9	544.2	460.8	325.2	236.1	187.8	148.7	109.5	93.6	90.2	89.7
85°	467.1	449.5	394.4	312.7	224.7	181.6	147.0	112.4	98.2	95.3	94.2
87.5°	461.9	442.7	390.4	299.1	213.4	173.1	140.2	109.5	97.6	95.9	97.0
90°	419.4	405.2	357.0	275.8	211.7	175.9	146.4	120.9	108.4	102.7	101.6
92.5°	367.2	358.7	324.6	267.9	219.6	186.1	159.5	133.9	122.6	119.2	117.5
95°	320.6	317.2	289.4	243.5	202.6	175.4	151.0	128.8	119.2	114.6	114.1
97.5°	262.8	258.8	237.2	207.1	177.1	154.4	136.2	119.2	112.4	111.8	111.2
100°	240.1	237.2	221.9	202.6	178.8	161.7	145.8	131.7	126.0	126.0	126.6
102.5°	221.9	220.2	206.6	186.7	168.0	152.1	139.0	126.0	119.2	119.2	115.2
105°	207.1	204.3	191.8	175.9	156.6	141.9	129.4	119.7	112.4	110.1	110.1
107.5°	194.1	190.7	180.5	165.1	151.0	136.8	125.4	116.3	111.2	109.5	109.5

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

Scaled Data Report

REPORT NUMBER: P1046195
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	194.7	191.8	179.9	163.4	150.4	139.6	130.5	122.0	117.5	114.1	114.1
112.5°	239.5	227.6	206.6	182.2	167.4	153.2	139.0	127.1	121.4	120.3	119.2
115°	271.3	259.3	233.2	201.5	174.8	154.9	140.7	131.7	126.6	130.0	131.7
117.5°	272.4	250.8	200.9	185.6	166.3	149.8	140.2	134.5	131.1	134.5	134.5
120°	277.5	233.8	207.1	200.9	178.2	154.9	144.1	143.0	139.6	132.8	132.8
122.5°	412.6	372.8	330.3	276.4	229.3	207.1	187.8	154.4	138.5	131.1	130.5
125°	568.6	527.2	460.8	388.7	320.6	249.7	185.6	158.3	141.9	132.8	131.1
127.5°	604.4	572.0	484.6	398.4	301.9	232.7	186.1	162.9	146.4	136.8	135.1
130°	487.5	461.9	402.9	332.6	265.6	215.1	181.6	158.3	142.4	132.8	130.5
132.5°	433.6	409.7	351.9	287.7	235.5	196.4	166.3	143.6	127.7	120.9	120.9
135°	362.6	346.2	294.5	256.5	219.1	186.1	156.6	135.6	122.6	118.6	118.6
137.5°	311.0	297.9	261.1	231.0	202.0	173.7	148.1	131.1	122.0	118.0	117.5
140°	266.2	257.6	236.1	206.6	178.8	151.0	131.1	121.4	117.5	115.8	115.2
142.5°	231.5	225.3	206.0	175.4	148.1	131.1	123.7	120.9	116.9	112.9	112.4
145°	202.6	197.5	175.4	157.8	144.7	137.9	132.2	123.7	114.1	109.0	108.4
147.5°	227.6	219.6	200.3	179.9	158.9	143.0	130.5	119.2	110.1	106.7	106.7
150°	195.8	190.1	178.2	162.3	144.7	130.0	119.2	111.8	108.4	107.8	107.8
152.5°	152.1	149.3	145.8	137.9	126.6	116.9	110.1	106.7	107.8	110.1	110.7
155°	143.0	141.9	138.5	131.1	123.7	114.6	109.0	107.3	109.0	111.2	111.8
157.5°	136.2	135.6	132.8	126.0	119.2	113.5	109.5	108.4	110.1	111.8	111.8
160°	130.5	130.0	126.0	120.9	115.8	111.8	109.0	109.0	110.7	111.8	111.8
162.5°	127.1	126.6	123.7	119.7	116.3	114.1	113.5	113.5	114.1	114.6	114.6
165°	127.1	126.6	123.7	120.3	118.0	118.0	119.2	119.7	118.0	116.9	117.5
167.5°	132.2	131.1	127.7	124.9	124.3	124.9	126.6	126.6	125.4	123.7	123.1
170°	133.9	133.4	132.2	131.1	131.1	131.1	131.7	132.2	132.2	132.8	132.8
172.5°	137.3	137.3	136.8	136.8	137.3	136.8	136.8	137.9	139.0	139.6	140.2
175°	141.9	141.3	141.9	141.9	142.4	141.9	141.3	142.4	144.1	145.3	145.3
177.5°	145.3	145.3	144.7	144.1	144.1	144.1	144.1	144.7	144.7	144.7	144.1
180°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

Test Date: 03/21/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

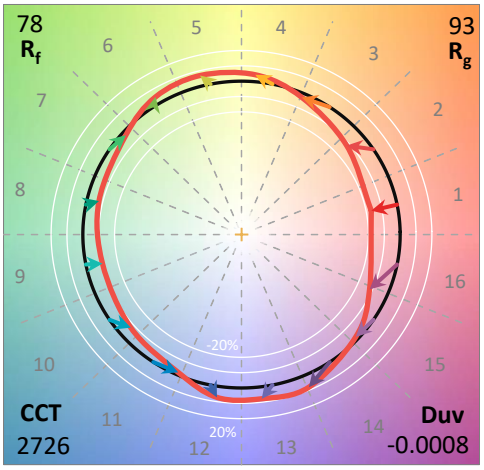
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

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

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



Test Conditions

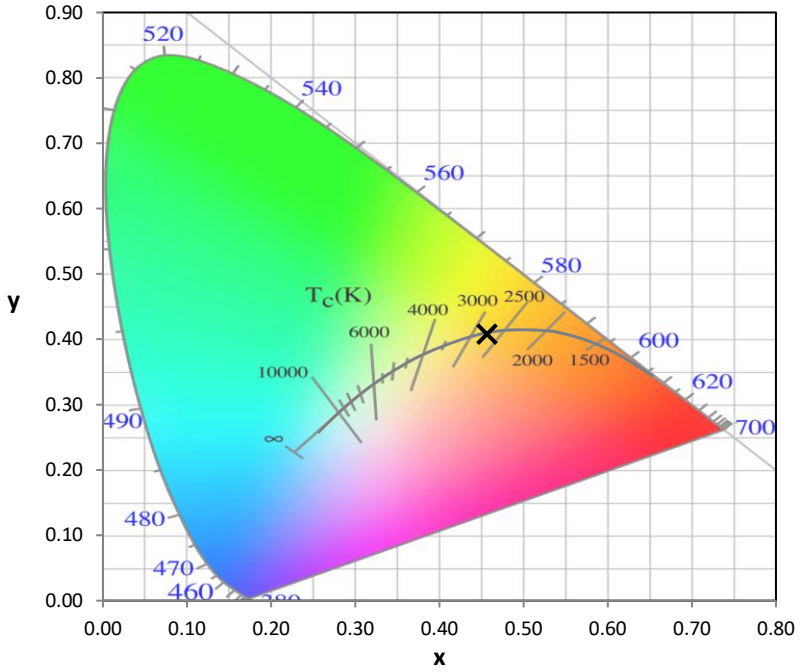
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

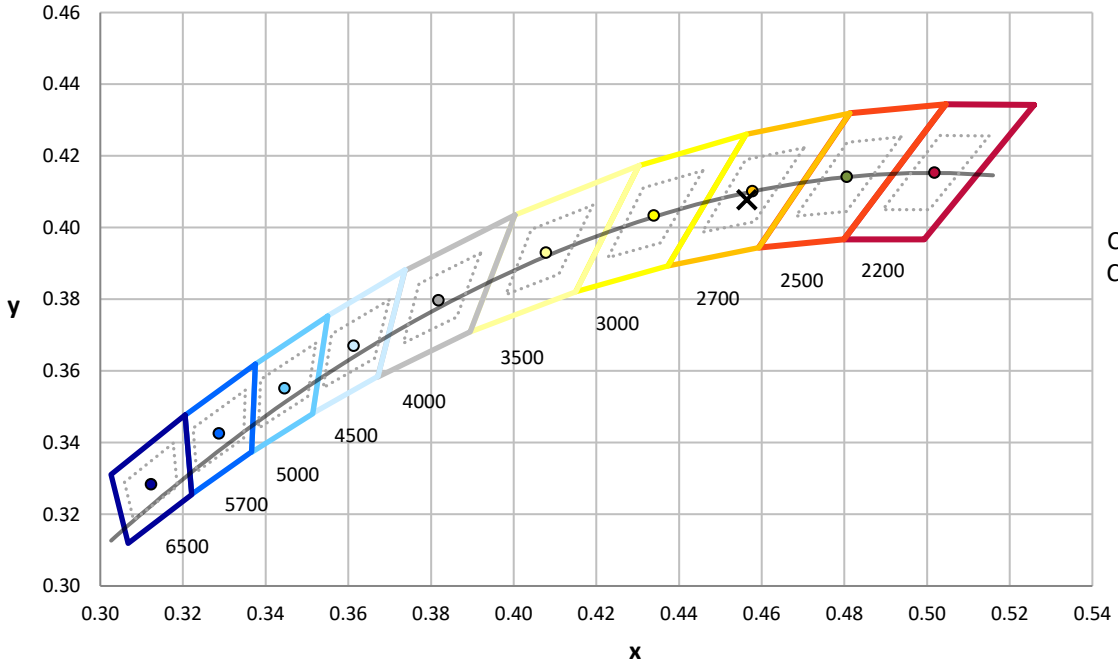
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

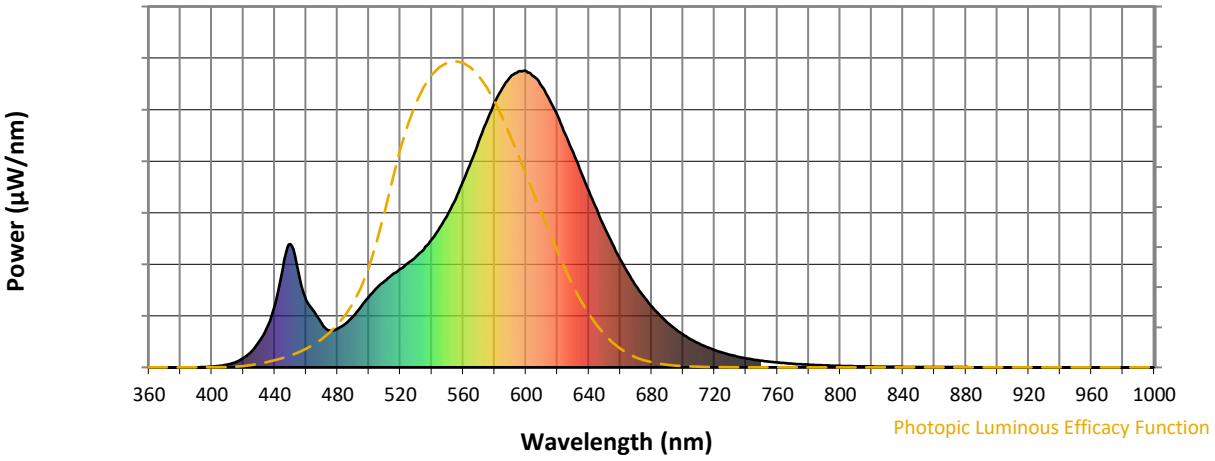


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

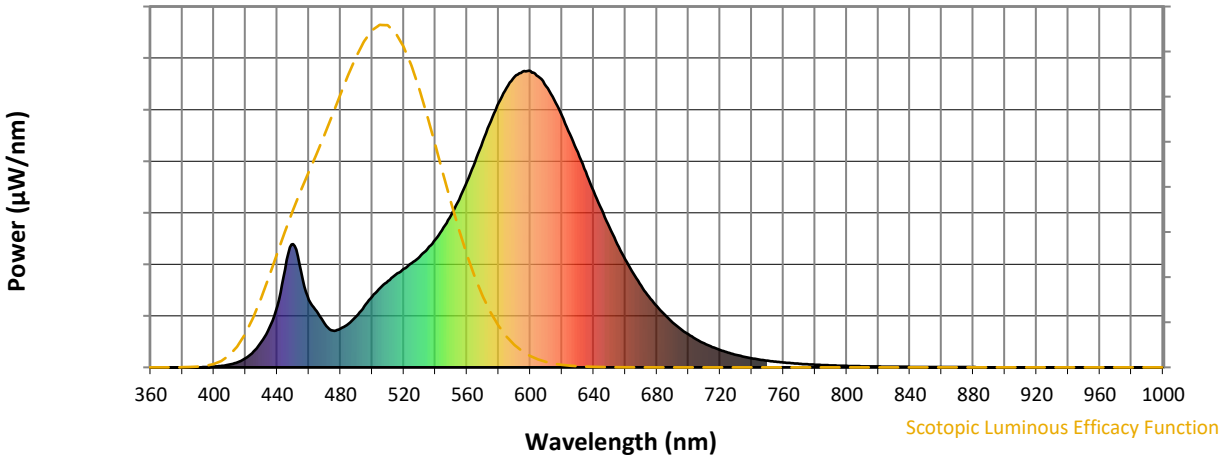


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

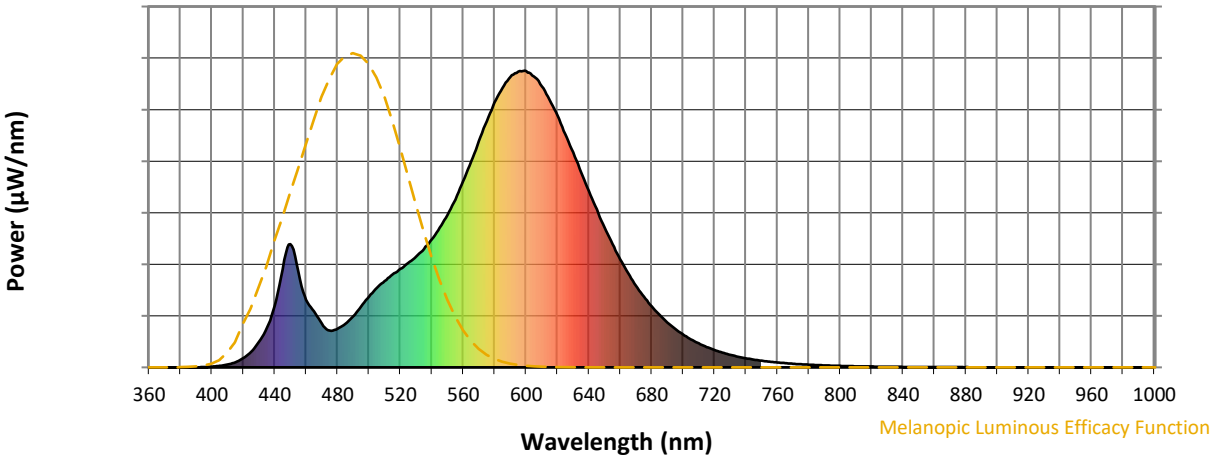


Scotopic Lumens: NR **S/P: 1.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

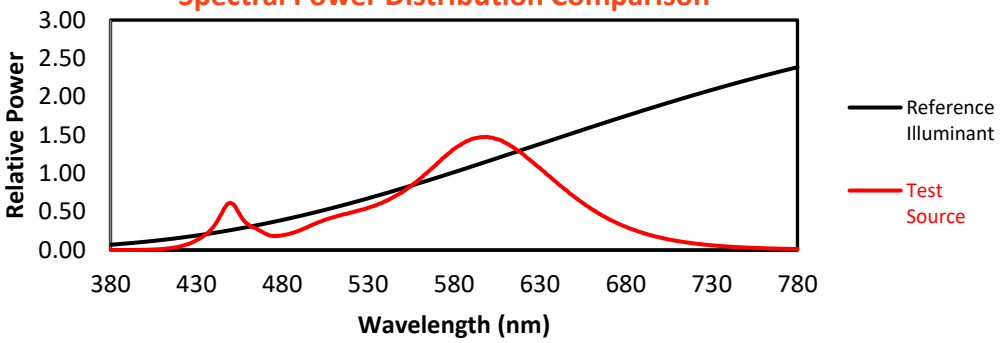
REPORT NUMBER: SP1-2501-332-3

TM-30-18

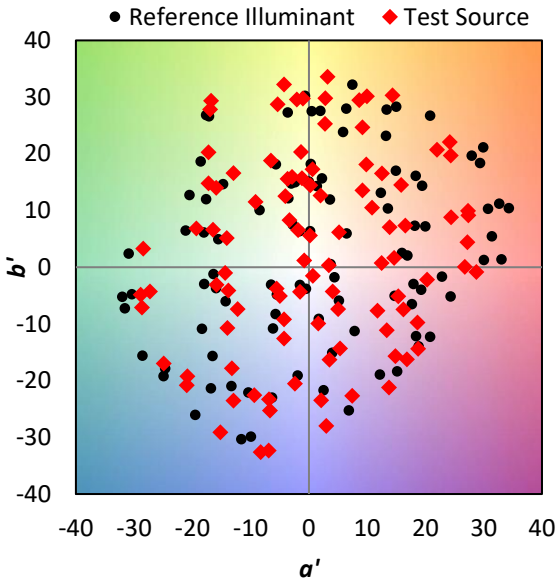
Summary

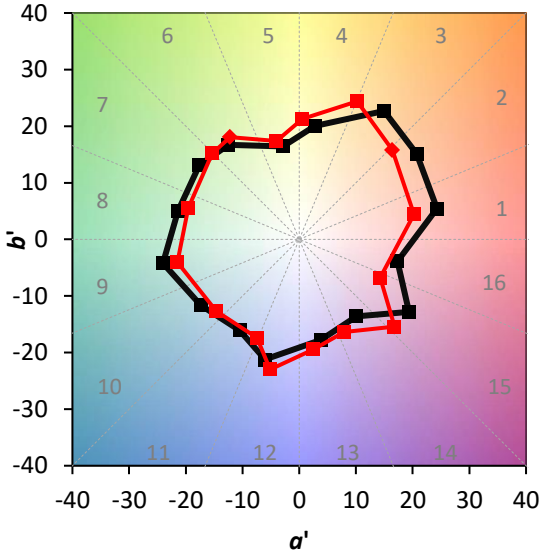
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

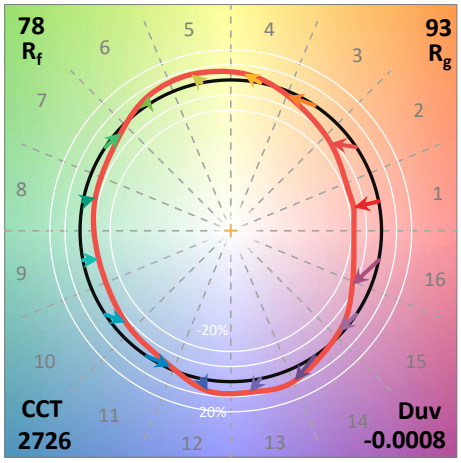
Spectral Power Distribution Comparison

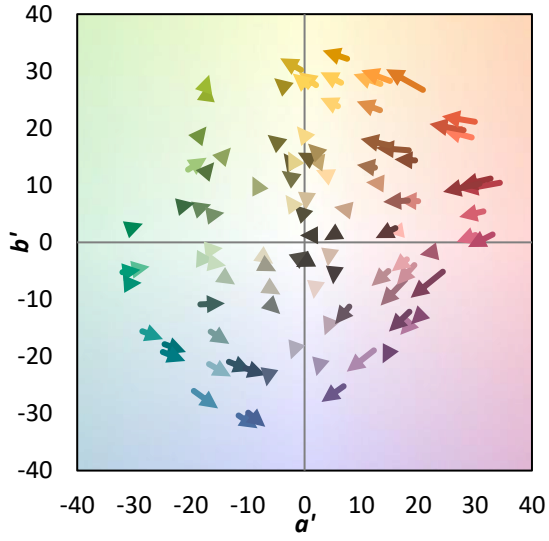


Color Vector Graphics







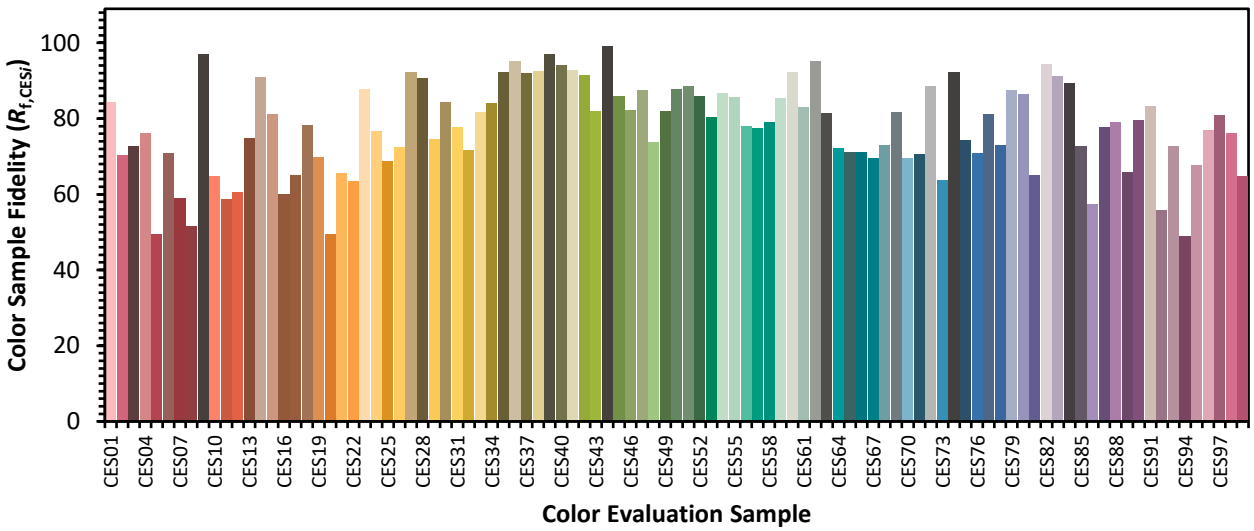


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

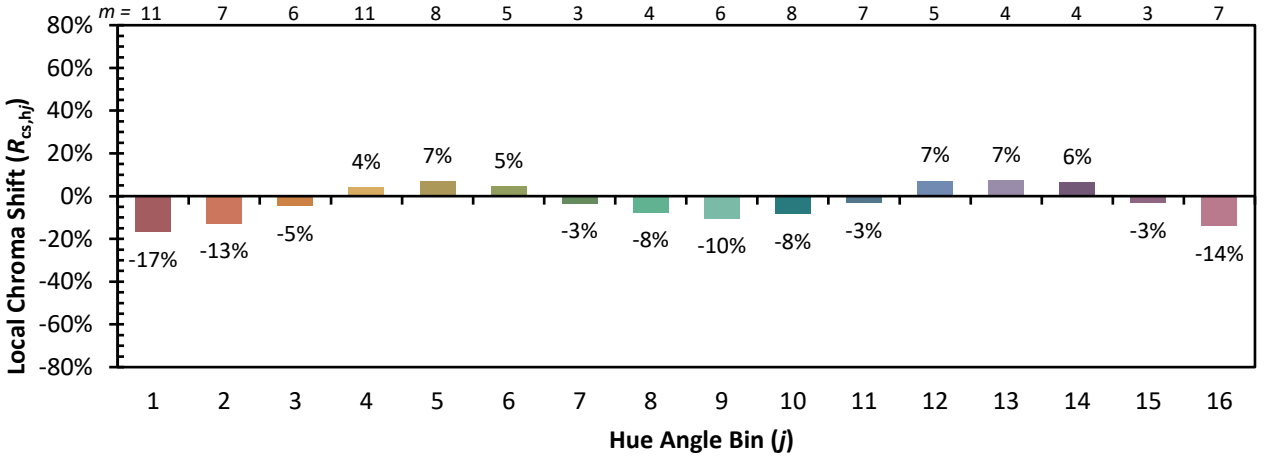
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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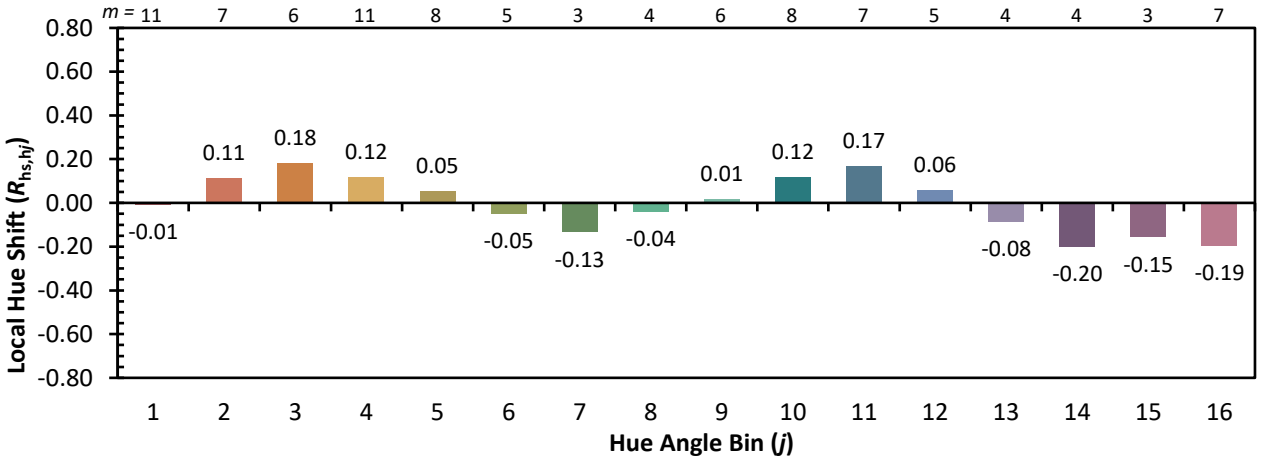


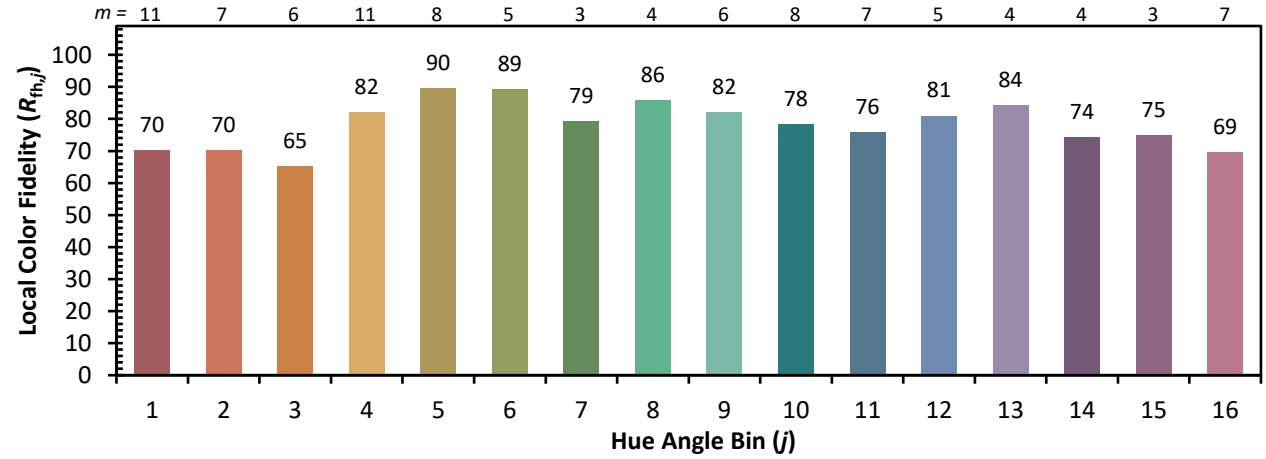
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Color Rendition by Hue-Angle Bin



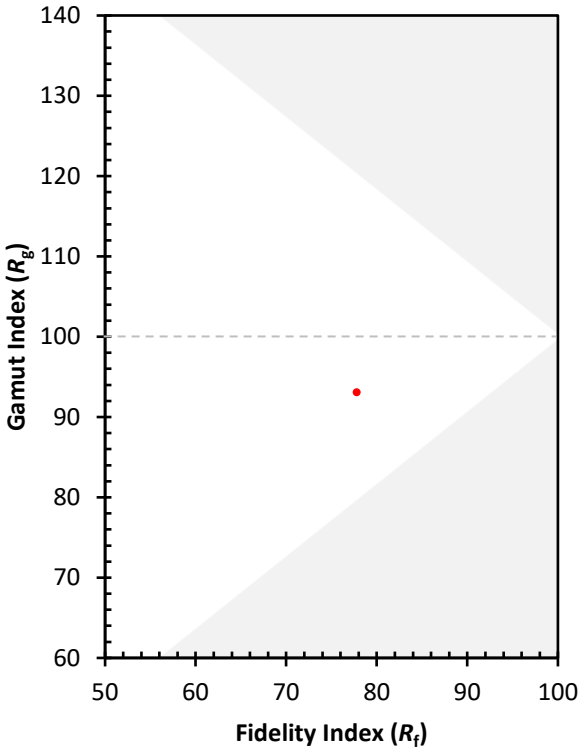


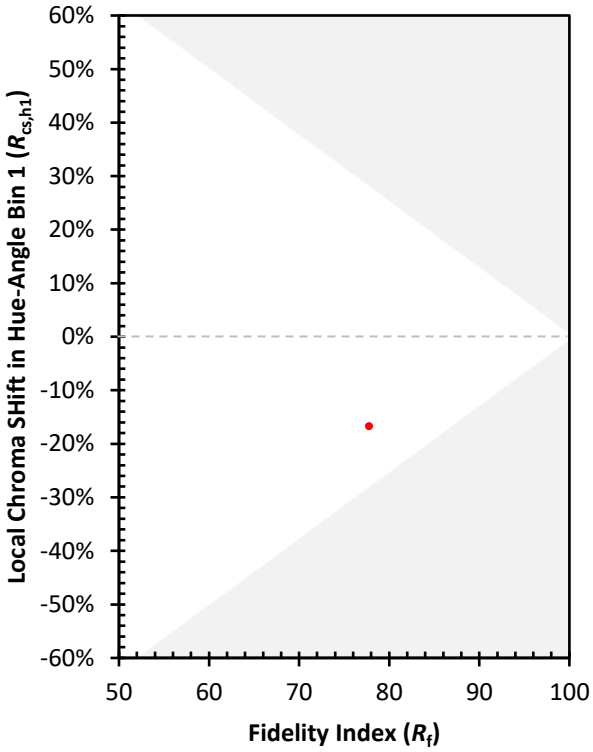


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Measure Comparisons





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