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: P1046554

Luminaire Tested: **FFX-CLB-70-727-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:	P1046554
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9278.3 lumens
Efficiency:	N/A
Efficacy:	130.3 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

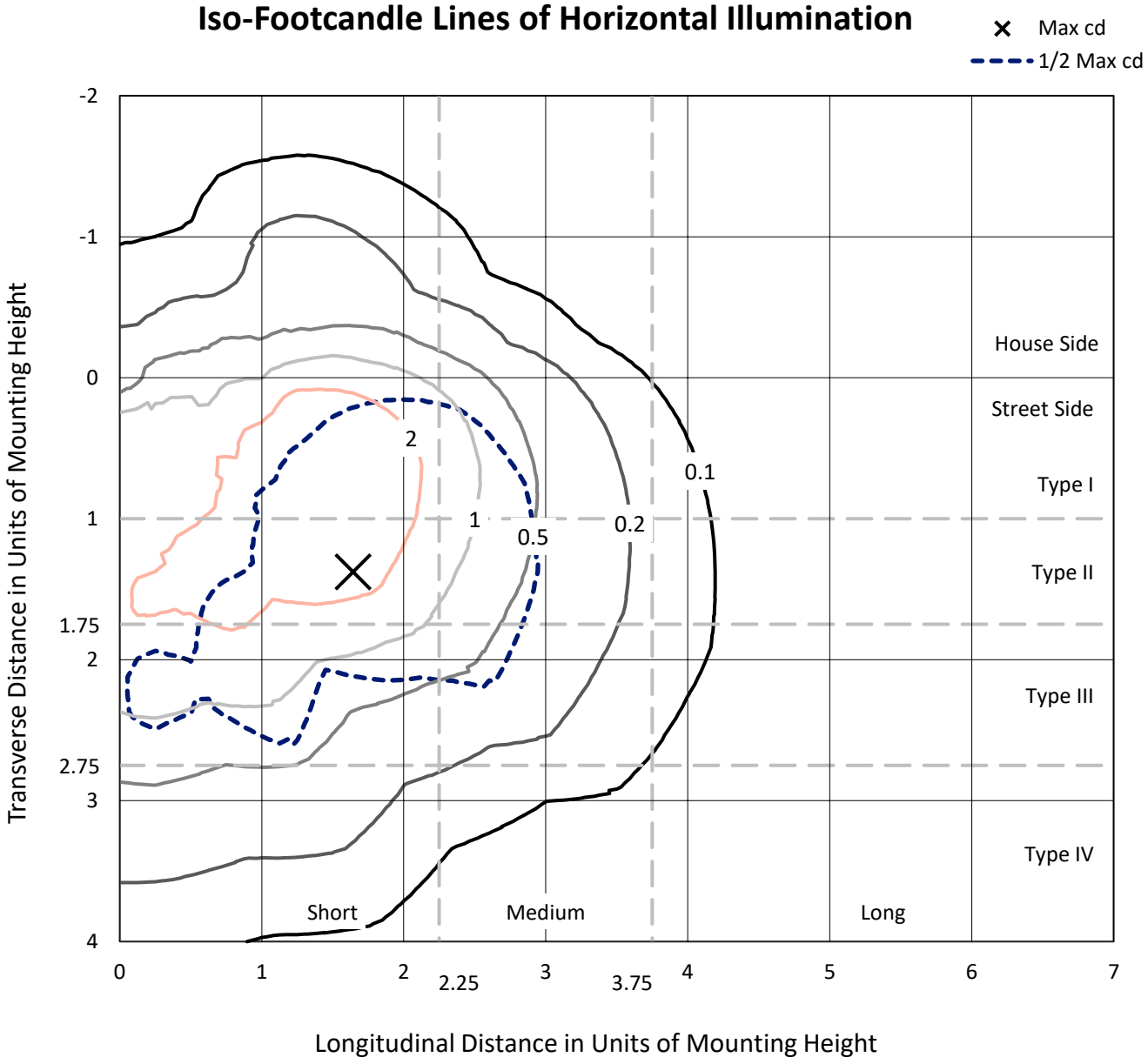


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Iso-Footcandle Lines of Horizontal Illumination



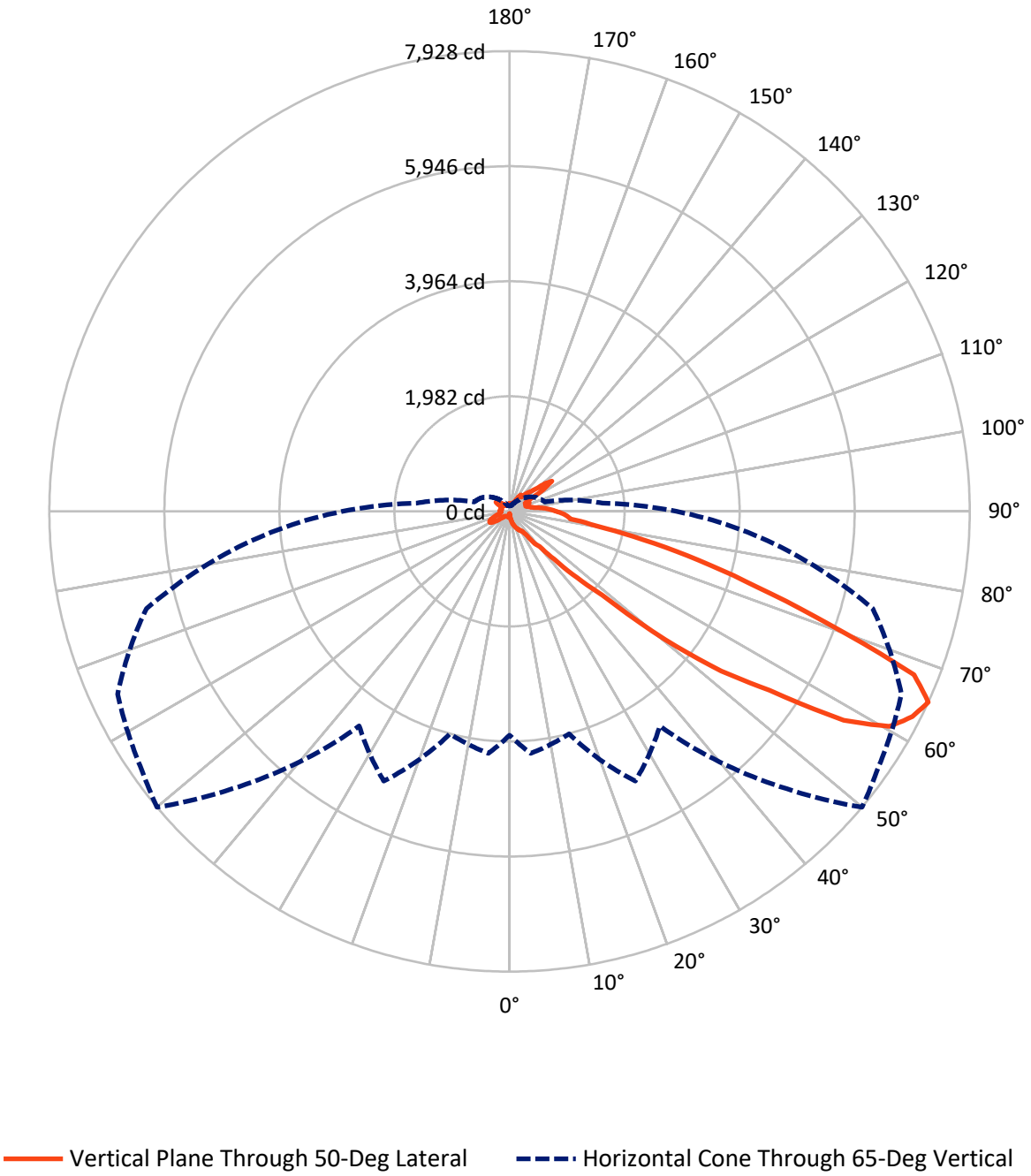
Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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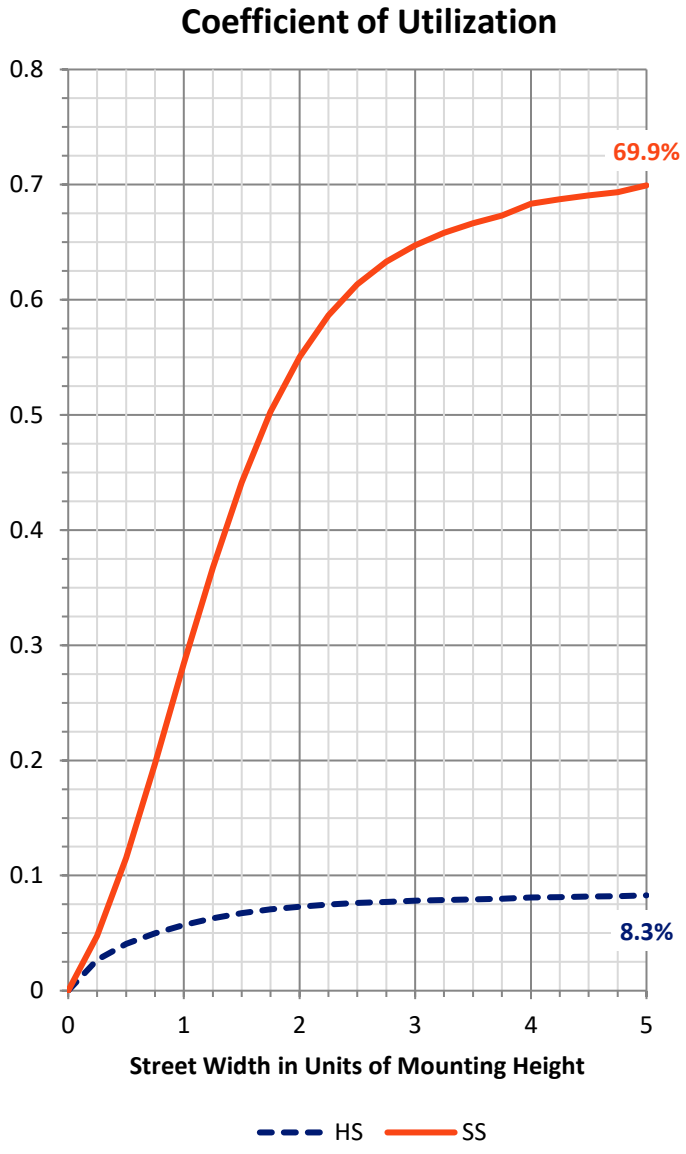
REPORT NUMBER: P1046554
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.9	535.8	1349.6
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	6711.7	1217.0	7928.7
	% Fixture	72.3	13.1	85.5
Total	Lumens	7525.5	1752.8	9278.3
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	48.4	0.5
20°-30°	103.4	1.1
30°-40°	206.4	2.2
40°-50°	540.9	5.8
50°-60°	1791.9	19.3
60°-70°	2826.0	30.5
70°-80°	1475.6	15.9
80°-90°	524.0	5.6
90°-100°	338.2	3.6
100°-110°	228.1	2.5
110°-120°	260.3	2.8
120°-130°	431.3	4.6
130°-140°	246.4	2.7
140°-150°	134.9	1.5
150°-160°	66.1	0.7
160°-170°	35.0	0.4
170°-180°	12.6	0.1
0°-90°	7525.5	81.1
0°-180°	9278.3	100.0



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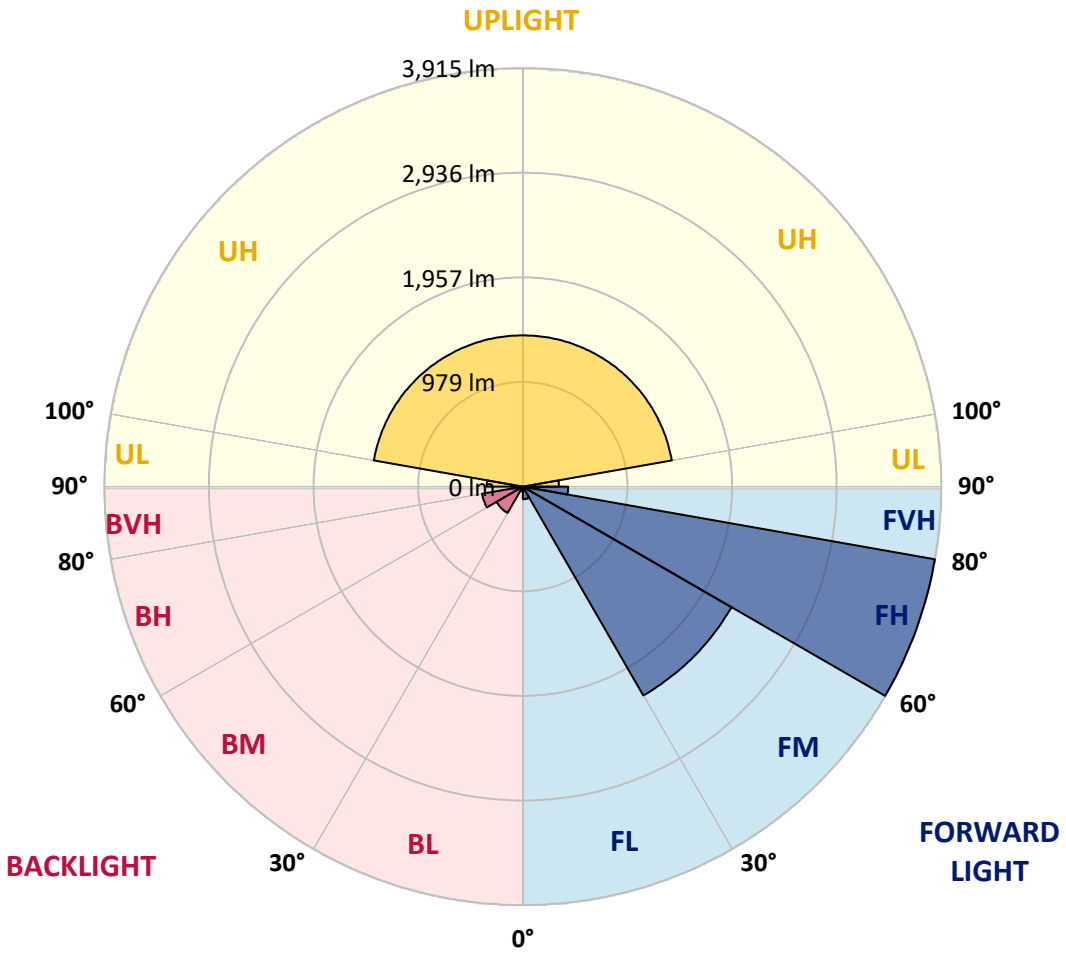
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	118.0	1.3			
FM	(30°-60°)	2254.8	24.3			
FH	(60°-80°)	3914.6	42.2			G2/5000
FVH	(80°-90°)	424.3	4.6			G3/500
BL	(0°-30°)	42.7	0.5	B0/110		
BM	(30°-60°)	284.5	3.1	B1/1000		
BH	(60°-80°)	387.0	4.2	B1/500		G1/500
BVH	(80°-90°)	99.7	1.1			G1/100
UL	(90°-100°)	338.2	3.6		U3/500	
UH	(100°-180°)	1414.6	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°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	62.9	62.3	63.6	65.6	64.9	62.9	61.6	61.0	59.0	58.4	56.4
5°	93.1	92.5	91.1	92.5	93.1	90.5	89.2	85.9	82.6	76.7	73.4
7.5°	130.5	131.1	132.5	129.2	127.9	122.0	120.7	117.4	112.1	104.9	102.9
10°	177.0	177.7	181.0	175.7	167.2	160.0	158.7	160.0	165.9	147.5	136.4
12.5°	222.9	221.0	230.8	228.2	217.0	206.6	201.3	202.0	199.3	185.6	167.2
15°	265.6	265.6	272.8	275.4	263.6	239.3	231.5	229.5	228.2	213.8	188.2
17.5°	292.5	293.8	294.4	294.4	290.5	270.2	261.0	257.0	245.2	232.1	208.5
20°	314.7	315.4	309.5	310.2	316.1	298.4	289.2	281.3	268.8	255.1	225.6
22.5°	345.6	344.3	335.1	331.1	344.3	329.2	319.3	310.8	295.7	280.0	253.1
25°	379.7	378.4	369.2	359.3	368.5	354.7	344.3	336.4	322.6	312.1	257.0
27.5°	412.5	411.1	395.4	394.1	386.2	379.7	368.5	366.6	356.1	325.2	255.1
30°	436.7	435.4	418.4	419.0	398.7	403.9	387.5	386.2	373.8	333.1	259.7
32.5°	445.9	447.2	440.0	436.7	409.2	430.2	415.1	409.8	406.6	354.1	282.6
35°	479.3	489.8	501.0	504.9	480.0	519.3	488.5	484.6	492.5	430.8	352.8
37.5°	737.0	731.8	690.5	632.1	619.0	705.6	701.0	704.3	699.0	613.1	466.9
40°	737.7	741.0	714.7	679.3	638.0	726.5	794.1	734.4	821.6	668.2	512.1
42.5°	775.1	764.6	826.9	840.6	794.7	926.5	1125.9	901.0	1089.2	814.4	697.0
45°	917.4	917.4	928.5	935.1	918.7	1249.8	1635.4	1257.0	1455.7	1019.0	836.7
47.5°	1064.2	1051.8	1115.4	1222.3	1285.9	1608.5	2158.7	1661.0	1974.4	1369.8	1161.3
50°	1483.9	1501.6	1623.6	1748.2	1843.3	2394.7	3475.4	2845.9	3224.9	2106.2	1773.1
52.5°	1809.8	1913.4	2007.2	2356.7	2399.3	3272.1	4568.5	3818.3	4131.7	2959.3	2195.4
55°	2146.2	2351.4	2407.2	3024.2	3072.7	4204.5	5438.6	4836.6	4925.2	3901.6	2606.5
57.5°	2762.6	3049.1	3068.2	3726.5	3724.5	5417.0	6790.1	6298.3	6231.4	4968.5	3236.7
60°	3293.1	3619.6	3502.9	4415.0	4210.4	6310.7	7522.5	7026.8	6880.6	5824.2	3679.9
62.5°	3615.0	3933.7	3790.1	4868.8	4520.6	6738.3	7787.4	7498.2	7249.1	6342.2	4041.3
65°	3855.0	4183.5	3968.5	5126.5	4514.7	6759.2	7927.8	7740.9	7449.1	6477.3	4120.6
67.5°	3823.5	4144.2	3886.5	5024.2	4199.3	6155.3	7515.3	7282.5	6921.9	5956.0	3853.7
70°	3315.4	3508.8	3225.5	4279.3	3357.3	4761.2	5854.3	5719.9	5373.0	4559.3	2980.9
72.5°	2790.8	2838.6	2573.1	3349.5	2617.7	3468.8	4448.5	4304.9	4077.3	3383.6	2253.1
75°	2155.4	2155.4	2003.2	2511.4	1944.9	2461.6	3367.2	3330.4	3190.1	2539.0	1710.8
77.5°	1455.7	1379.7	1356.7	1696.4	1343.6	1624.2	2344.2	2430.8	2394.1	1817.7	1247.2
80°	848.5	866.9	834.7	1047.2	883.9	1062.3	1504.2	1618.3	1615.1	1207.2	818.3
82.5°	661.6	674.7	641.3	754.1	674.7	836.1	1054.4	1047.2	1072.1	874.7	615.7
85°	651.8	661.6	626.9	697.0	647.9	794.1	990.8	988.8	983.6	809.8	578.4
87.5°	592.8	605.9	575.7	632.1	587.5	725.2	900.3	910.8	895.7	759.3	556.1
90°	495.7	509.5	496.4	562.0	516.1	625.6	782.9	790.8	777.7	676.7	501.6
92.5°	445.9	455.1	439.3	496.4	447.9	549.5	691.8	696.4	676.1	595.4	434.1
95°	411.1	420.3	400.6	442.6	395.4	484.6	588.8	603.9	573.8	502.3	369.8
97.5°	341.6	335.7	327.9	363.9	327.2	381.6	450.5	461.6	442.6	389.5	294.4
100°	295.7	297.7	294.4	320.7	287.2	327.9	381.6	386.2	378.4	339.7	266.2
102.5°	286.6	287.2	293.1	310.8	272.1	301.6	347.5	350.2	348.2	311.5	245.9
105°	283.9	283.3	286.6	305.6	265.6	276.1	320.0	321.3	314.7	289.8	230.2
107.5°	268.2	270.2	269.5	286.6	261.0	262.3	290.5	289.8	288.5	265.6	217.7
110°	307.5	304.3	290.5	291.1	266.2	272.8	301.0	297.7	291.1	277.4	237.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	437.4	428.2	412.5	360.7	334.4	352.8	*371.8*	375.1	367.9	355.4	300.3
115°	485.2	483.9	466.2	432.1	345.6	352.1	*364.6*	369.8	378.4	354.1	307.5
117.5°	398.0	419.7	392.1	396.7	347.5	305.6	*303.6*	293.1	297.7	295.1	284.6
120°	502.3	506.2	450.5	440.0	405.9	419.7	*420.3*	421.6	407.9	341.6	301.0
122.5°	706.2	706.2	722.0	750.8	733.1	708.2	*693.8*	679.3	660.3	597.4	510.8
125°	895.7	894.4	885.9	900.3	882.6	892.4	*897.0*	901.0	880.6	803.9	685.9
127.5°	722.0	740.3	771.1	849.2	800.0	786.2	*773.1*	782.3	767.2	752.8	679.3
130°	559.3	561.3	611.8	661.6	657.7	613.8	*598.7*	572.5	578.4	576.4	532.5
132.5°	478.0	480.6	510.2	538.4	562.0	529.8	*500.3*	486.6	491.1	487.9	459.7
135°	417.7	417.7	407.2	403.9	423.6	453.1	*449.8*	432.1	423.6	413.8	371.8
137.5°	361.3	360.0	341.0	330.5	346.2	384.3	*386.9*	386.9	378.4	354.7	324.6
140°	297.7	295.7	285.9	287.9	291.8	317.4	*319.3*	325.2	323.9	304.9	268.2
142.5°	225.6	226.2	240.7	257.0	266.2	321.3	*312.8*	306.2	327.2	325.9	234.1
145°	301.0	294.4	294.4	287.2	308.8	363.3	*346.2*	351.5	379.0	353.4	253.1
147.5°	276.1	279.3	280.0	278.7	306.2	309.5	*297.0*	297.7	307.5	307.5	259.0
150°	213.8	208.5	209.8	212.5	241.3	239.3	*228.2*	227.5	235.4	233.4	211.8
152.5°	169.2	168.5	167.9	170.5	194.1	184.3	*179.7*	177.7	176.4	174.4	169.2
155°	159.3	158.7	157.4	160.7	174.4	169.8	*167.2*	167.2	163.9	160.7	157.4
157.5°	141.6	141.0	141.6	148.2	156.1	150.8	*150.2*	149.5	148.2	144.3	142.9
160°	132.5	131.8	133.1	138.4	141.6	137.0	*135.7*	136.4	135.7	133.8	136.4
162.5°	125.2	125.2	125.2	128.5	129.8	126.6	*125.9*	126.6	127.2	127.2	130.5
165°	121.3	121.3	122.0	123.9	123.9	122.6	*121.3*	121.3	124.6	125.9	128.5
167.5°	123.9	123.9	124.6	125.2	125.2	123.9	*123.9*	124.6	126.6	127.9	127.9
170°	127.9	127.9	127.9	128.5	127.9	125.9	*125.9*	125.9	126.6	126.6	127.2
172.5°	132.5	132.5	132.5	131.8	130.5	129.8	*128.5*	128.5	129.2	128.5	129.2
175°	139.0	138.4	138.4	137.7	137.0	136.4	*135.7*	135.1	135.1	133.1	133.1
177.5°	142.3	141.6	142.3	142.3	141.6	140.3	*139.0*	139.0	138.4	137.0	136.4
180°	137.0	137.0	137.0	137.0	137.0	137.0	*137.0*	137.0	137.0	137.0	137.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	55.1	53.1	47.9	43.3	40.0	38.7	38.7	36.7	34.1	32.1	31.5
5°	72.8	71.5	69.5	66.9	61.0	53.1	46.6	43.9	42.6	42.0	41.3
7.5°	102.9	104.3	106.9	106.2	95.1	74.1	61.6	61.0	68.2	76.1	78.7
10°	133.1	131.8	140.3	147.5	120.0	83.9	63.6	61.6	71.5	85.2	87.2
12.5°	159.3	152.8	148.2	140.3	114.8	83.9	68.2	64.3	68.9	79.3	79.3
15°	179.0	170.5	151.5	133.1	110.2	86.6	70.8	68.2	68.2	64.9	65.6
17.5°	194.1	178.4	150.8	127.2	102.3	82.6	70.2	62.9	59.0	53.8	52.5
20°	211.8	200.7	163.9	131.1	101.0	80.0	68.2	59.7	55.1	53.1	52.5
22.5°	230.8	207.9	172.5	132.5	101.0	81.3	67.5	58.4	54.4	53.1	53.1
25°	232.8	213.1	177.0	137.7	104.3	83.9	68.9	59.0	55.1	53.8	53.1
27.5°	230.2	216.4	184.9	143.6	107.5	86.6	71.5	60.3	55.1	53.1	52.5
30°	240.0	228.8	194.1	147.5	110.8	89.8	74.1	62.9	56.4	52.5	51.8
32.5°	264.9	249.2	206.6	150.2	112.1	90.5	76.7	65.6	57.7	53.1	52.5
35°	330.5	316.1	254.4	159.3	112.1	91.8	78.7	67.5	59.0	53.8	53.1
37.5°	425.6	398.7	312.8	190.2	113.4	94.4	80.7	70.2	61.0	55.1	53.8
40°	451.1	381.0	265.6	170.5	116.1	97.0	83.9	72.8	63.6	57.0	56.4
42.5°	585.6	487.2	327.9	180.3	123.9	99.0	85.9	75.4	65.6	59.0	57.7
45°	626.9	487.9	333.1	208.5	145.6	107.5	89.2	77.4	66.9	60.3	59.7
47.5°	821.6	605.2	339.7	223.6	163.3	123.9	97.0	80.0	68.2	61.6	61.0
50°	1204.6	853.8	421.6	279.3	202.0	151.5	114.1	85.2	69.5	63.6	62.3
52.5°	1502.9	1024.2	457.0	341.6	268.2	200.0	143.6	99.0	73.4	64.9	63.6
55°	1832.1	1258.3	519.3	411.8	325.2	250.5	182.3	119.3	81.3	66.9	65.6
57.5°	2285.2	1502.3	609.8	485.9	394.7	292.5	207.9	139.7	91.8	71.5	68.9
60°	2560.6	1605.9	624.3	525.9	436.1	325.9	219.0	148.2	102.9	78.0	74.1
62.5°	2824.2	1677.4	628.2	541.6	445.9	332.5	220.3	144.3	106.9	87.2	82.0
65°	*2878.0*	*1606.5*	*629.5*	*544.9*	*434.1*	*315.4*	*213.1*	*140.3*	*102.3*	*95.1*	*95.7*
67.5°	2696.4	1426.9	583.6	521.3	402.6	281.3	191.5	134.4	101.0	93.8	95.7
70°	2120.0	1118.0	533.1	483.3	341.6	239.3	170.5	126.6	101.0	90.5	88.5
72.5°	1645.9	955.4	546.2	459.0	292.5	213.8	154.1	118.0	97.7	89.8	88.5
75°	1277.4	797.4	538.4	403.9	238.7	183.6	138.4	108.2	93.1	88.5	87.9
77.5°	933.8	628.8	445.2	309.5	198.0	156.1	122.0	101.6	90.5	86.6	85.9
80°	600.6	440.0	310.2	247.2	173.8	142.3	114.1	97.0	89.2	86.6	85.9
82.5°	506.2	399.3	279.3	234.1	167.9	144.9	119.3	101.6	93.8	91.1	90.5
85°	487.2	411.1	287.2	243.9	160.7	138.4	116.7	101.6	94.4	91.1	90.5
87.5°	462.9	371.8	283.3	224.3	154.8	133.1	114.8	104.3	97.0	95.1	94.4
90°	419.0	327.9	259.7	208.5	163.3	141.6	126.6	115.4	108.2	103.6	102.3
92.5°	353.4	263.6	222.9	205.9	179.0	160.7	145.6	135.7	127.9	123.3	121.3
95°	297.7	230.2	194.1	182.3	158.0	144.3	129.8	122.6	116.7	112.8	112.8
97.5°	242.6	197.4	180.3	171.1	151.5	136.4	124.6	117.4	115.4	114.1	113.4
100°	228.2	193.4	181.6	173.8	158.0	144.3	135.1	128.5	127.9	127.2	127.2
102.5°	211.8	182.9	169.8	162.0	146.2	134.4	127.9	122.6	120.7	118.7	116.7
105°	200.0	173.1	163.3	152.8	140.3	128.5	122.0	114.1	112.8	112.1	112.1
107.5°	194.1	171.8	166.6	150.2	138.4	133.1	125.2	115.4	113.4	110.8	110.8
110°	214.4	190.8	175.7	155.4	142.9	138.4	136.4	127.9	121.3	113.4	112.8

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

Scaled Data Report

REPORT NUMBER: P1046554
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	265.6	233.4	215.7	185.6	160.0	148.9	140.3	131.1	127.2	122.0	120.0
115°	285.9	253.1	230.8	200.7	171.1	151.5	139.0	137.7	133.8	130.5	133.8
117.5°	293.1	230.2	190.2	182.9	160.7	144.9	139.0	137.0	138.4	138.4	132.5
120°	316.1	248.5	233.4	224.3	182.3	156.7	143.6	150.2	148.9	141.0	141.0
122.5°	471.5	421.0	371.1	309.5	257.0	226.9	182.3	152.8	146.9	141.6	138.4
125°	621.0	575.7	497.7	415.7	325.2	240.7	181.0	160.0	148.9	142.3	143.6
127.5°	632.8	584.9	495.7	395.4	290.5	224.9	182.3	163.9	151.5	144.3	142.9
130°	494.4	460.3	393.4	320.0	246.6	201.3	168.5	150.2	139.0	132.5	131.1
132.5°	437.4	408.5	339.0	274.7	224.9	186.9	158.7	138.4	130.5	125.9	125.2
135°	349.5	325.2	278.7	243.9	209.2	177.7	149.5	130.5	123.3	122.6	121.3
137.5°	306.2	286.6	250.5	221.6	192.8	162.6	139.0	123.3	120.0	120.7	118.7
140°	249.8	241.3	221.0	196.1	165.2	133.8	117.4	112.1	117.4	120.0	120.0
142.5°	214.4	203.3	180.3	151.5	131.8	117.4	115.4	113.4	116.1	117.4	117.4
145°	197.4	184.3	165.2	154.8	145.6	133.1	122.6	113.4	110.8	111.5	111.5
147.5°	222.9	207.9	195.4	175.7	153.4	132.5	116.7	106.2	106.2	108.9	109.5
150°	184.9	171.8	163.3	152.1	135.1	118.0	106.9	101.6	103.6	108.9	109.5
152.5°	154.8	139.0	133.8	127.2	118.0	108.9	103.6	101.0	104.3	108.2	108.2
155°	150.8	137.0	130.5	123.9	115.4	107.5	102.9	101.6	104.9	107.5	108.2
157.5°	141.6	133.8	125.2	120.0	113.4	107.5	104.3	102.9	105.6	107.5	108.2
160°	136.4	131.8	122.0	117.4	111.5	107.5	106.9	106.9	108.2	108.9	108.9
162.5°	130.5	127.9	122.0	118.0	114.1	112.1	113.4	114.1	114.1	113.4	113.4
165°	128.5	127.2	122.0	118.7	116.7	117.4	120.0	120.7	118.7	117.4	117.4
167.5°	127.9	127.9	123.9	121.3	120.7	122.0	124.6	124.6	122.6	120.0	119.3
170°	127.9	128.5	127.2	127.2	125.9	126.6	127.2	127.2	125.9	124.6	123.9
172.5°	129.8	129.8	129.8	129.8	129.2	129.8	130.5	130.5	130.5	129.8	129.8
175°	133.1	133.1	133.1	132.5	131.8	131.8	132.5	133.1	133.8	133.8	133.8
177.5°	136.4	135.7	135.1	135.7	135.1	135.1	136.4	137.0	137.7	137.7	137.7
180°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0

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: SP1-2501-332-3

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

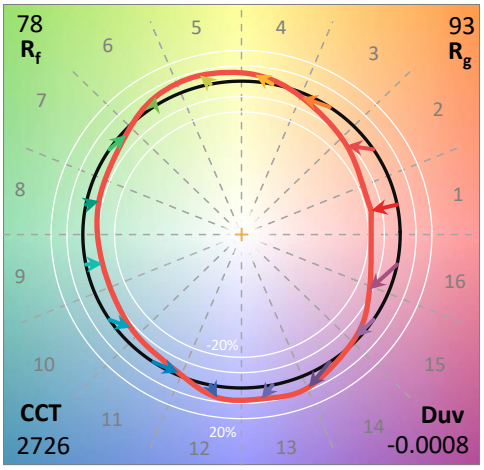
Test Information

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

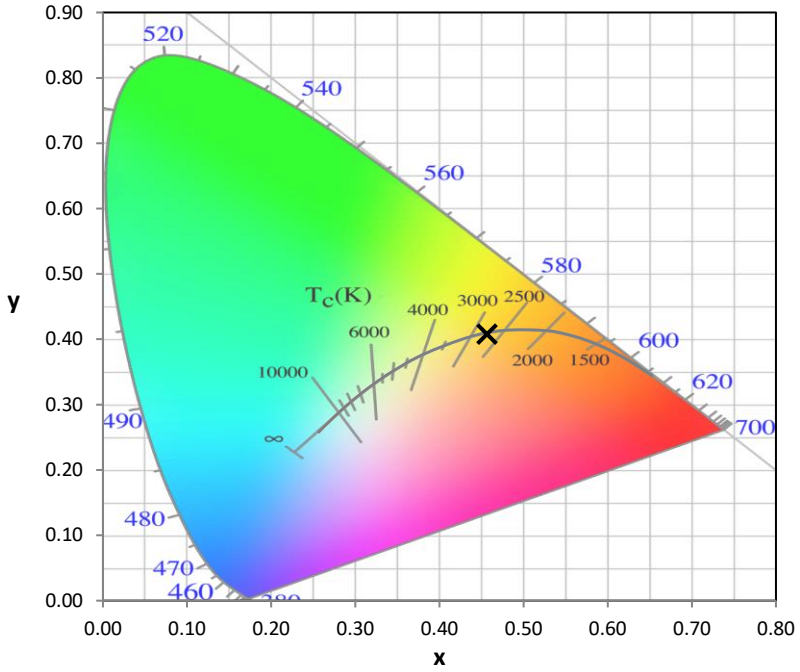
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

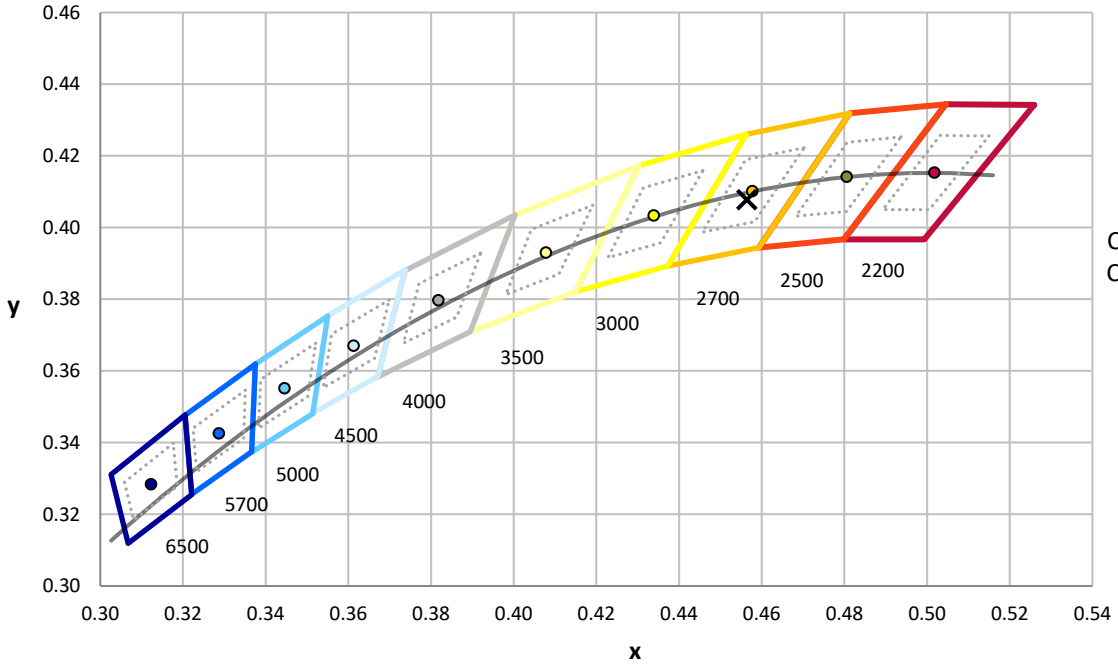
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

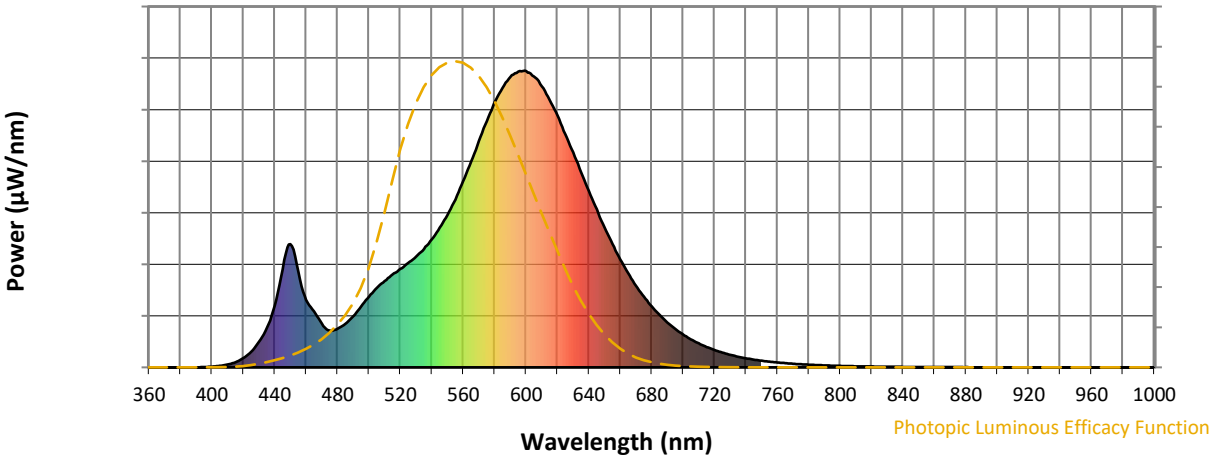


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

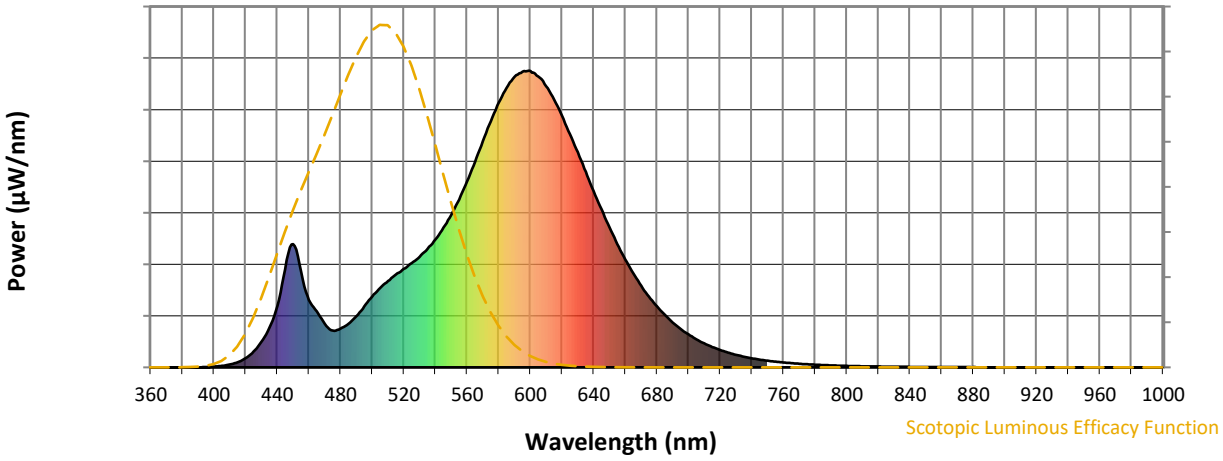


Photopic Lumens: NR

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

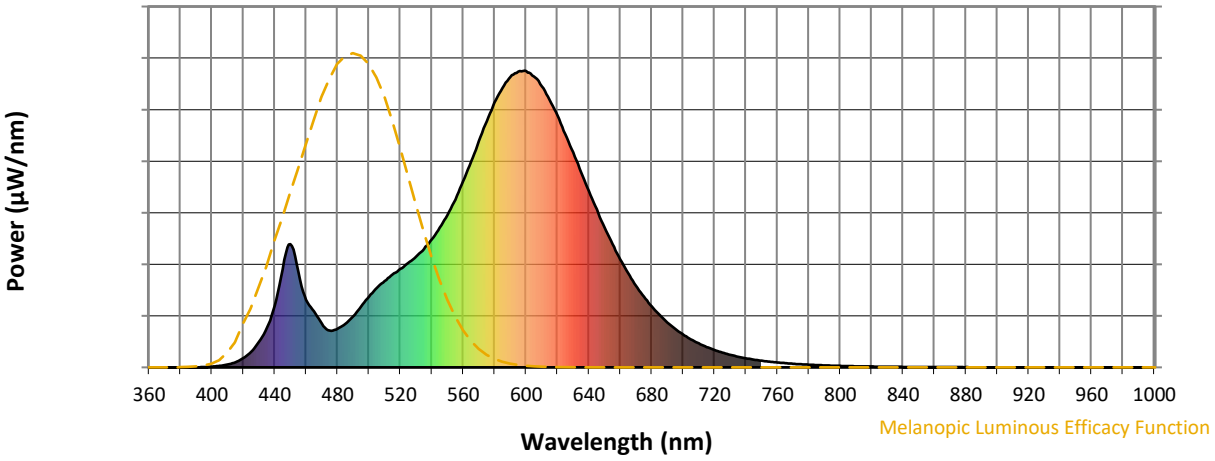


Scotopic Lumens: NR **S/P: 1.16**

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			

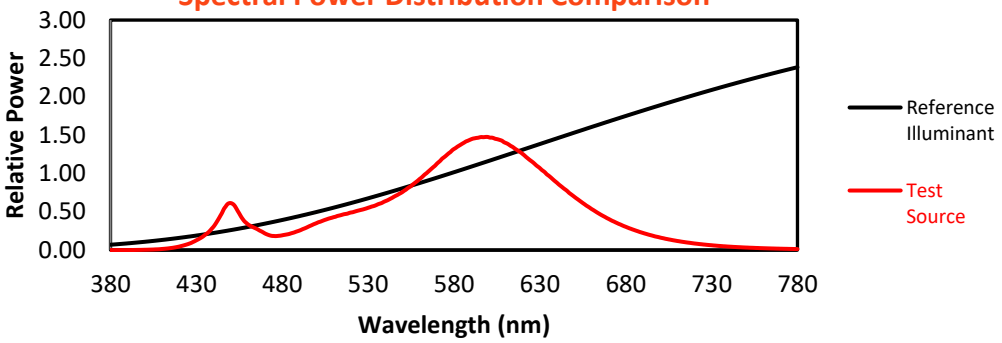
REPORT NUMBER: SP1-2501-332-3

TM-30-18

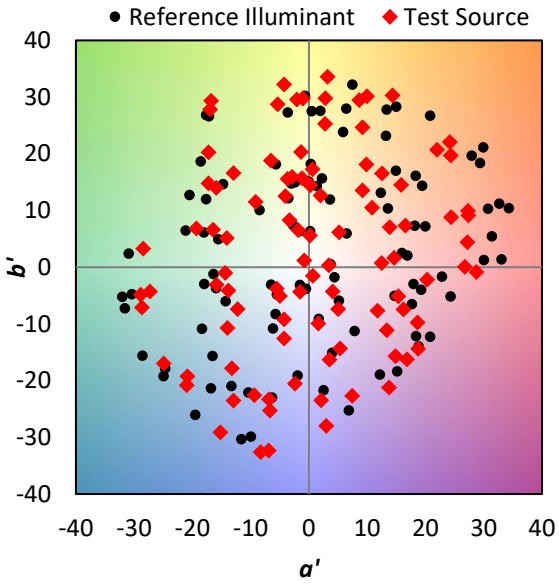
Summary

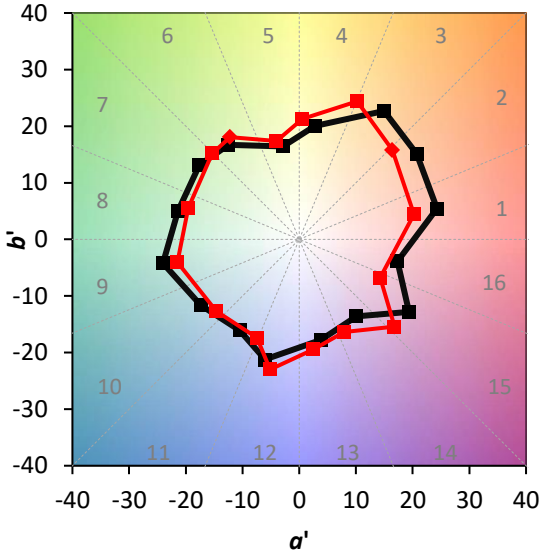
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

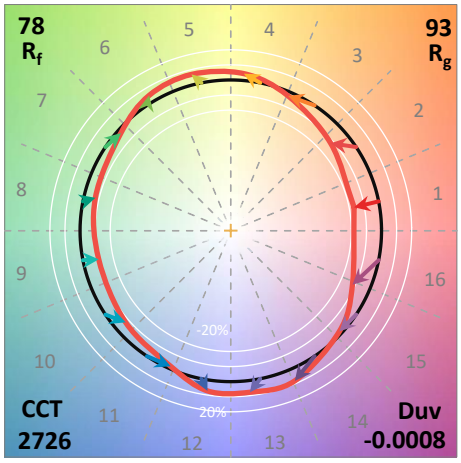
Spectral Power Distribution Comparison

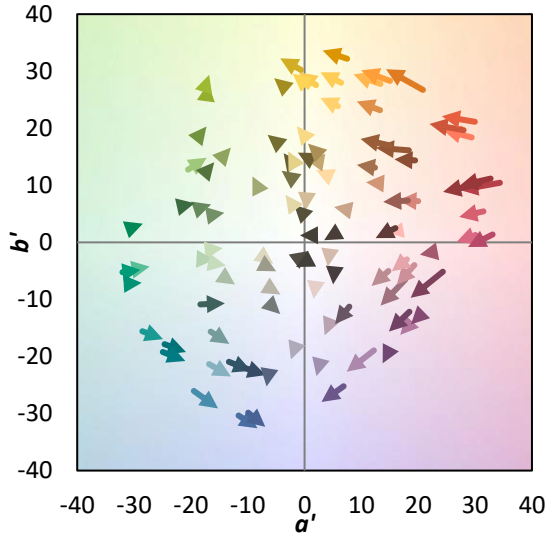


Color Vector Graphics







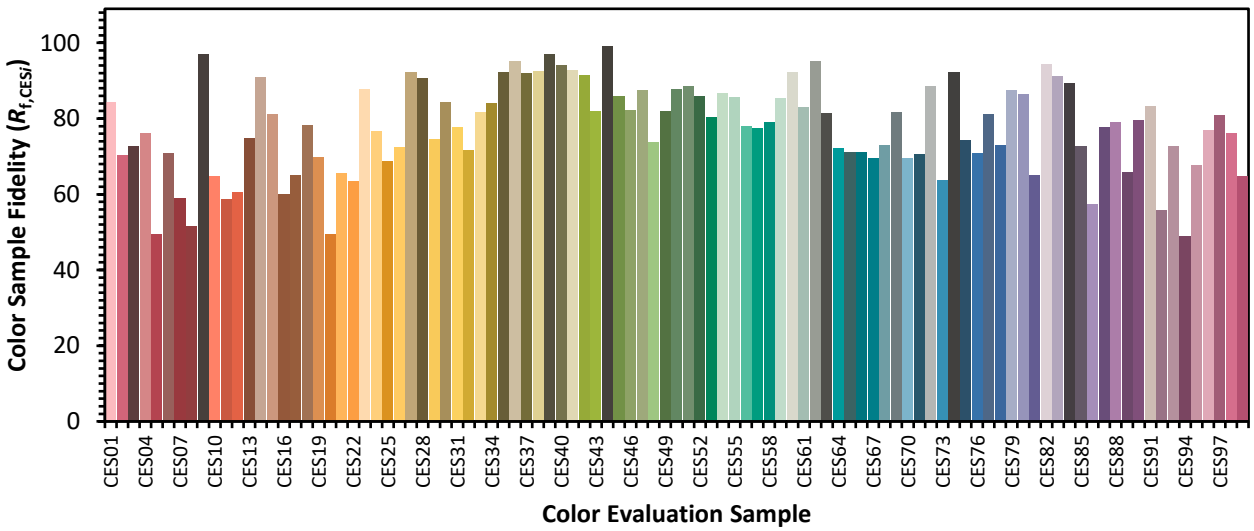


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

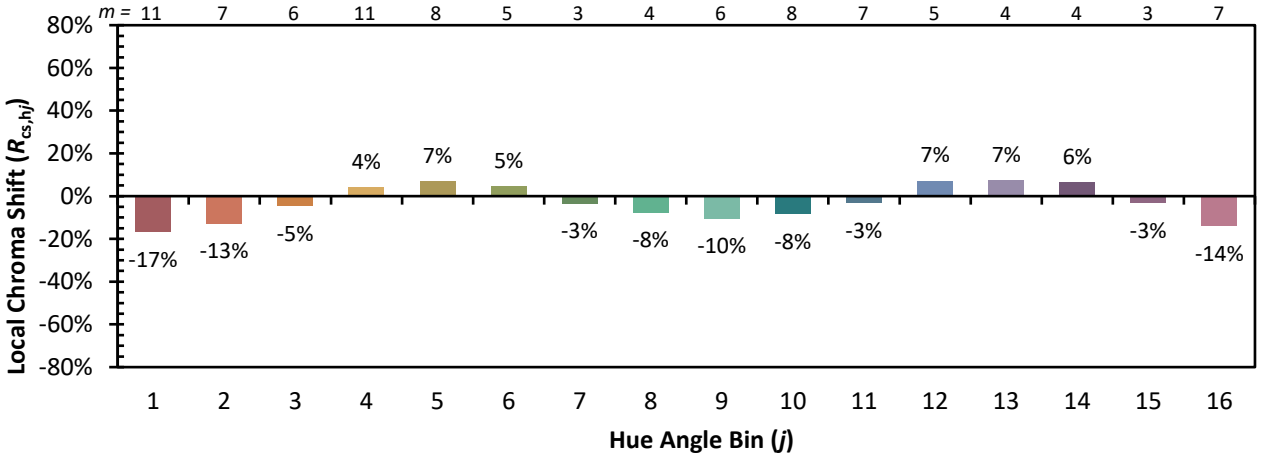
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 88	CES75 = 74	

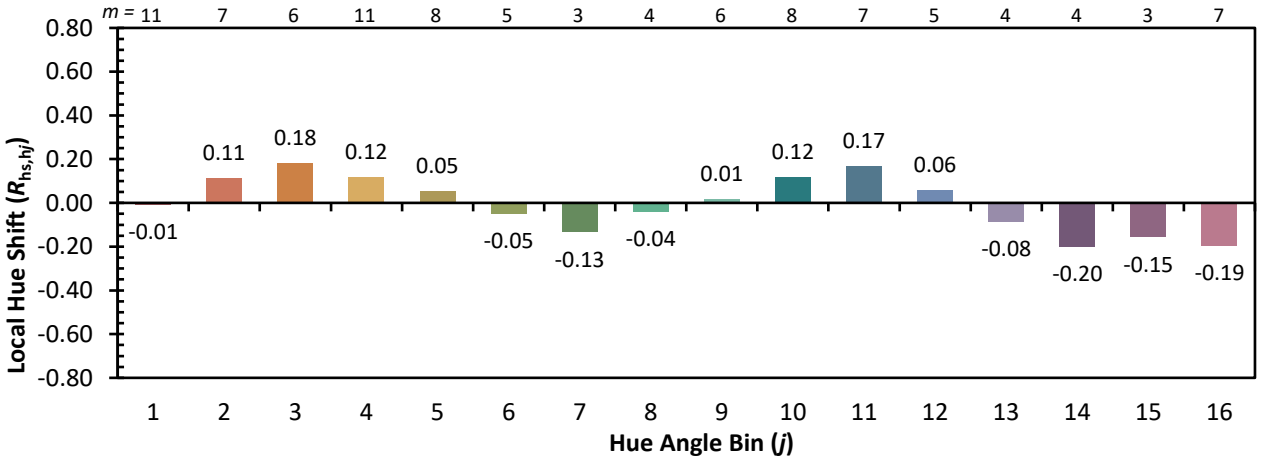


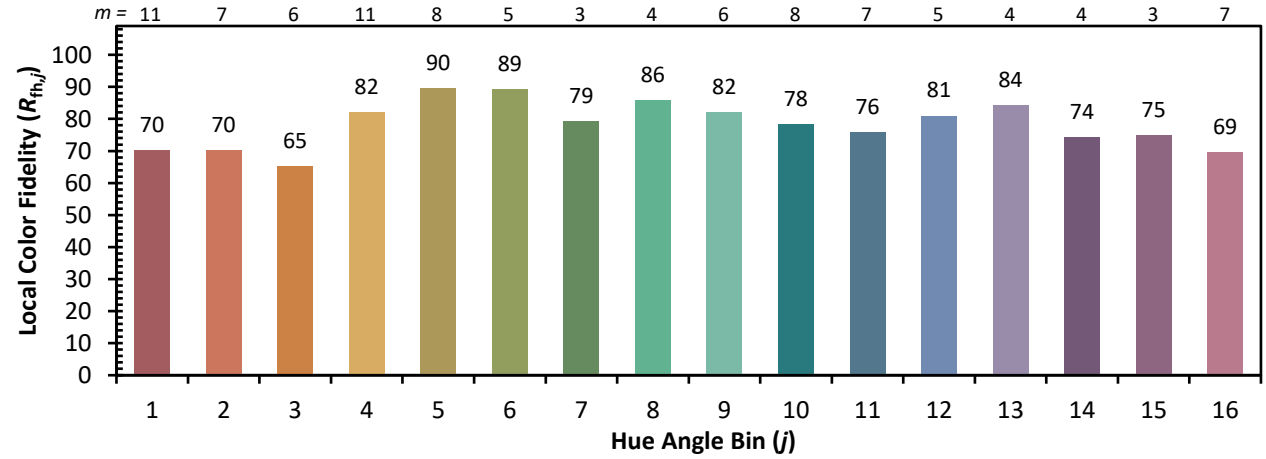
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Color Rendition by Hue-Angle Bin



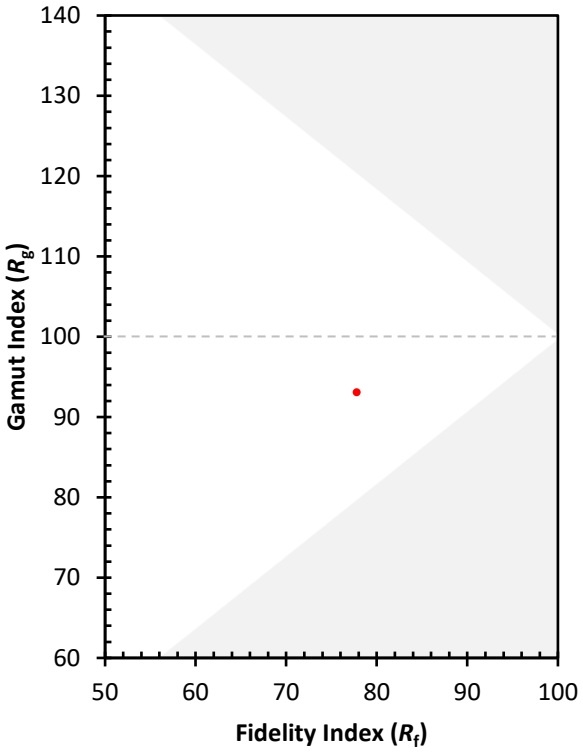


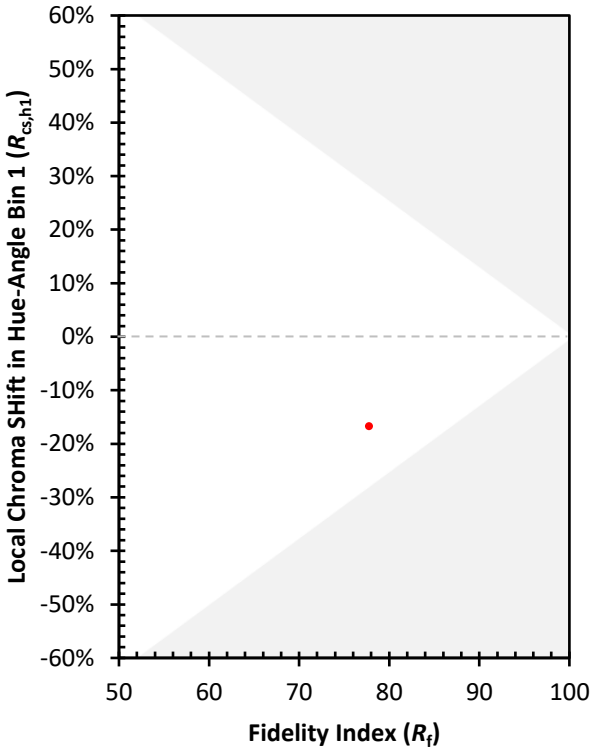


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Measure Comparisons





(END OF REPORT)