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: P981417

Luminaire Tested: **FFX-CLB-80-727-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981417
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11724.4 lumens
Efficiency:	N/A
Efficacy:	143.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B3 - U5 - G3

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

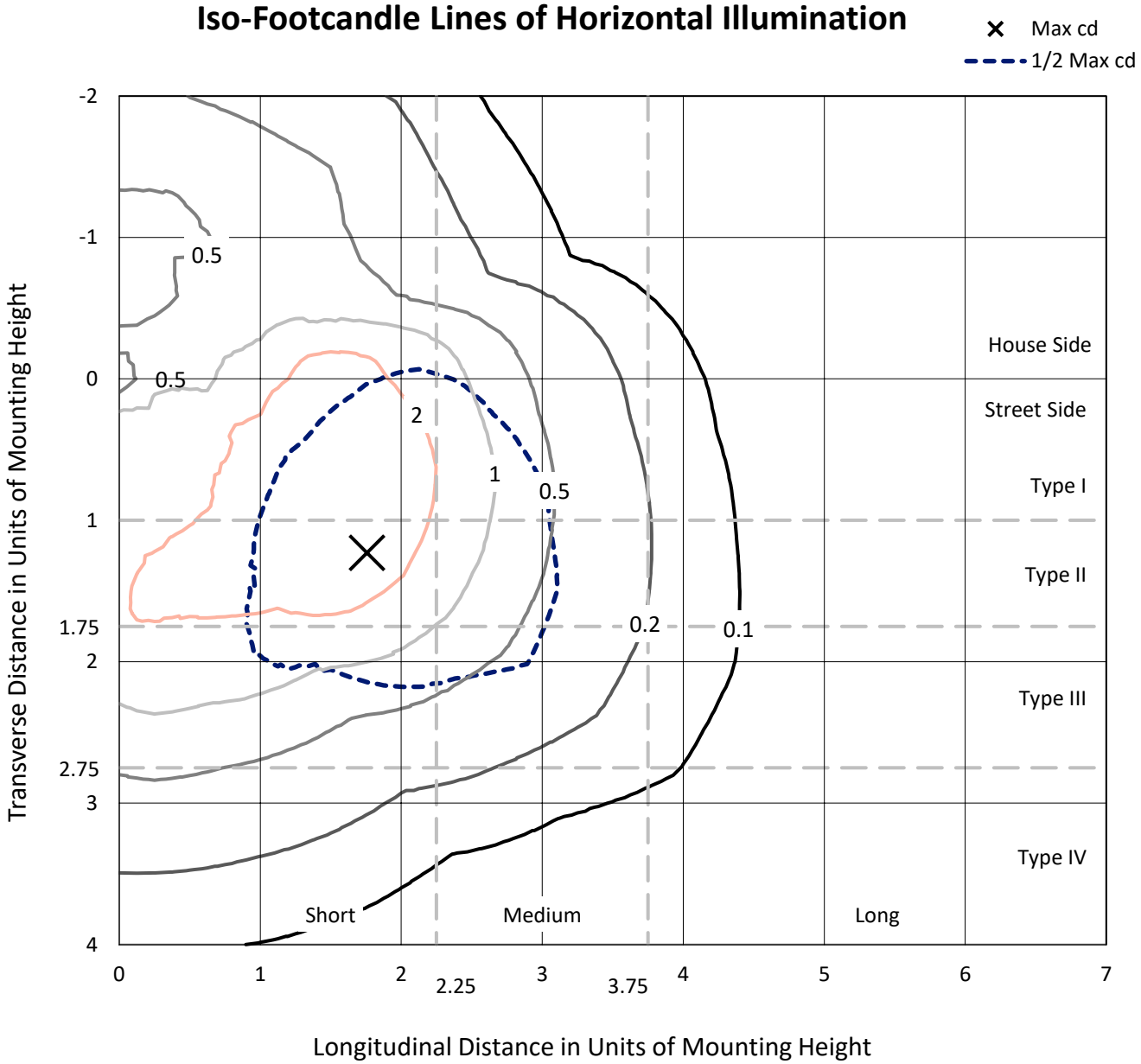


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Iso-Footcandle Lines of Horizontal Illumination



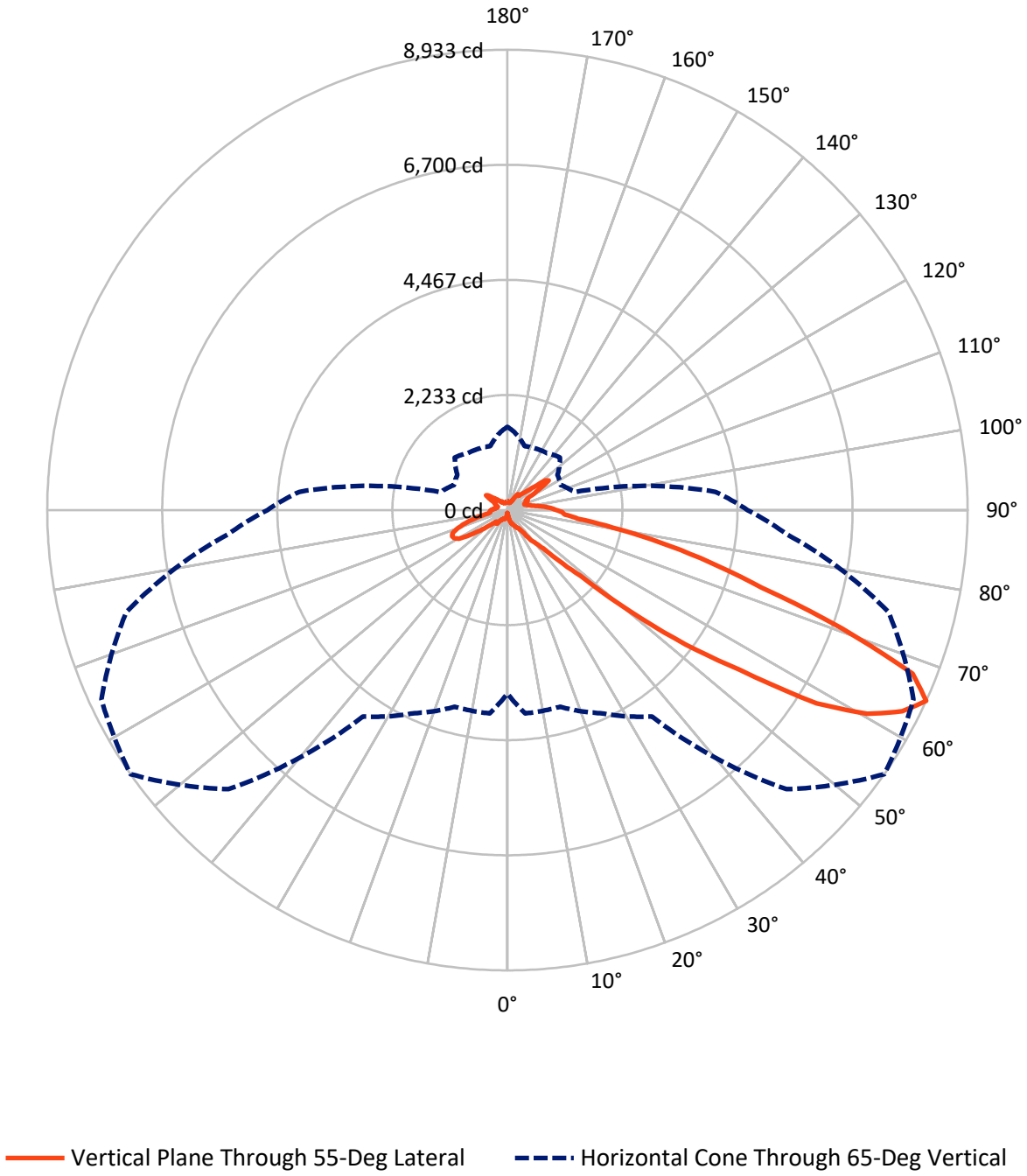
Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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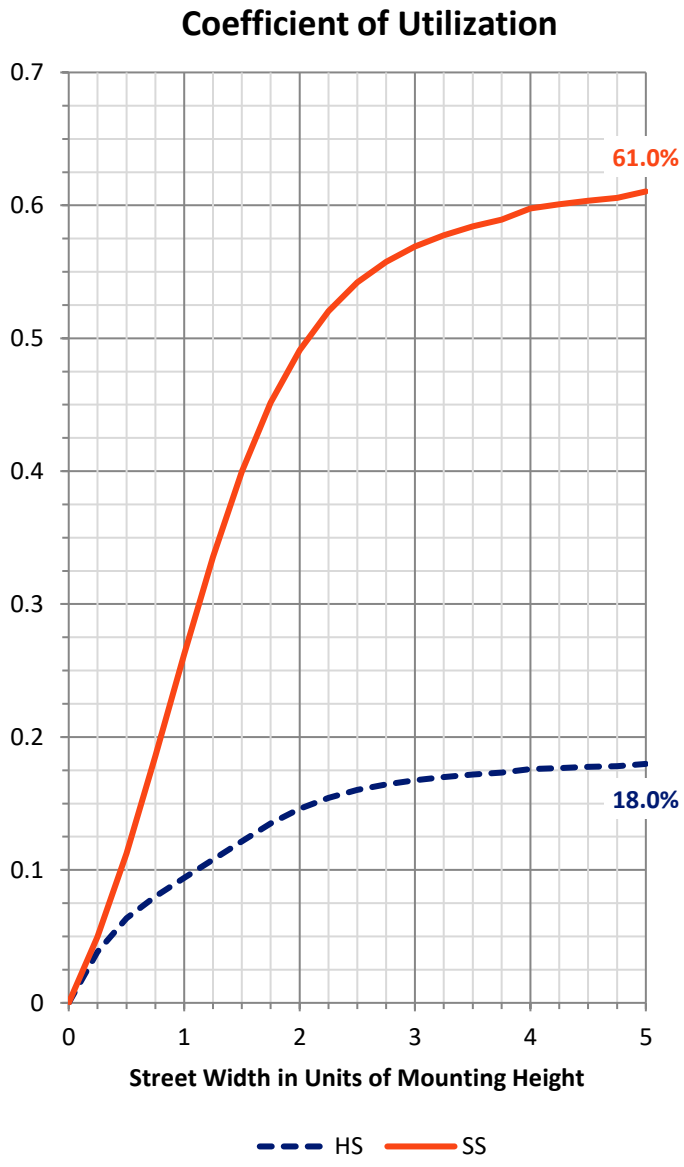
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2197.6	787.3	2985.0
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	7388.8	1350.6	8739.5
	% Fixture	63.0	11.5	74.5
Total	Lumens	9586.5	2138.0	11724.4
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.1
10°-20°	59.6	0.5
20°-30°	122.4	1.0
30°-40°	256.4	2.2
40°-50°	676.9	5.8
50°-60°	2252.4	19.2
60°-70°	3633.2	31.0
70°-80°	1905.9	16.3
80°-90°	668.8	5.7
90°-100°	431.8	3.7
100°-110°	280.0	2.4
110°-120°	307.1	2.6
120°-130°	516.5	4.4
130°-140°	302.6	2.6
140°-150°	161.9	1.4
150°-160°	80.4	0.7
160°-170°	42.3	0.4
170°-180°	15.3	0.1
0°-90°	9586.5	81.8
0°-180°	11724.4	100.0



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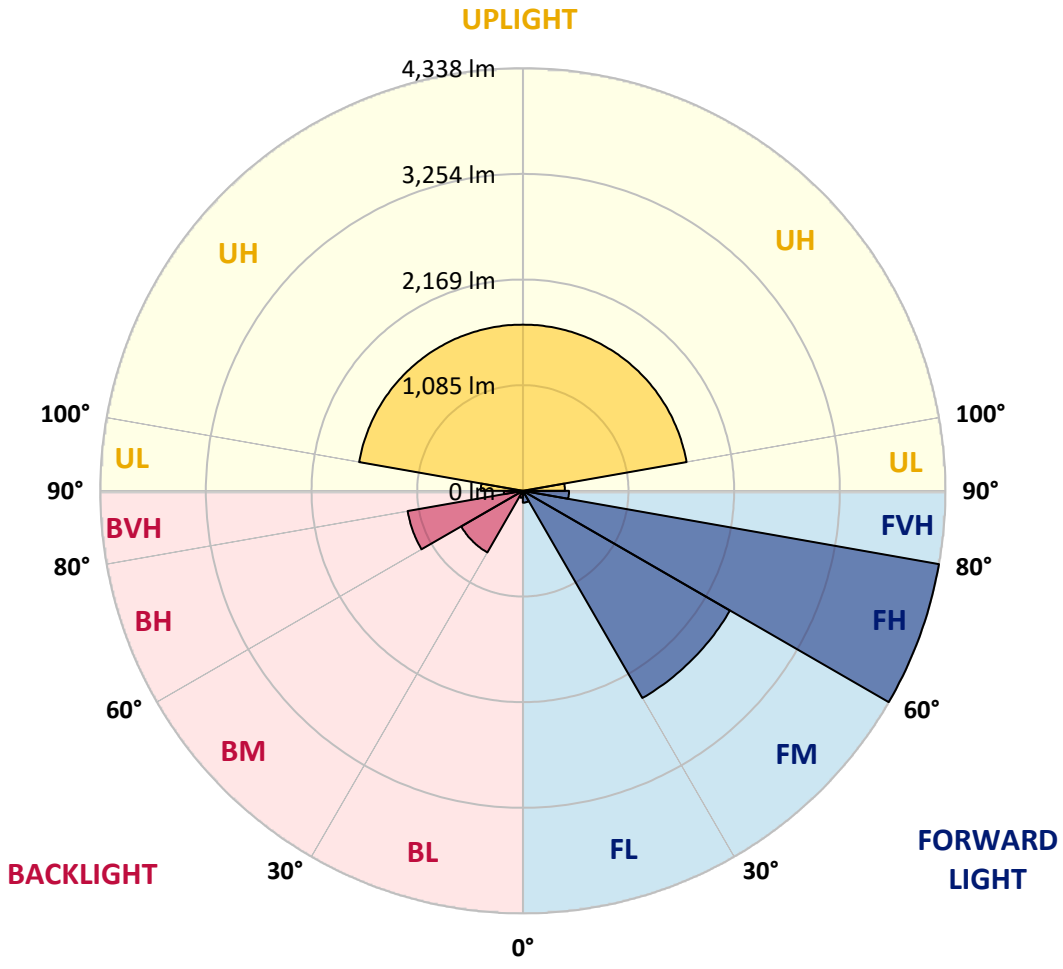
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	121.6	1.0			
FM	(30°-60°)	2455.4	20.9			
FH	(60°-80°)	4338.3	37.0			G2/5000
FVH	(80°-90°)	473.5	4.0			G3/500
BL	(0°-30°)	71.2	0.6	B0/110		
BM	(30°-60°)	730.3	6.2	B1/1000		
BH	(60°-80°)	1200.9	10.2	B3/2500		G3/2500
BVH	(80°-90°)	195.3	1.7			G2/225
UL	(90°-100°)	431.8	3.7		U3/500	
UH	(100°-180°)	1706.2	14.6		U5	

BUG Rating: B3-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	66.4	66.4	66.4	66.4	66.4	66.4	*66.4*	66.4	66.4	66.4	66.4
2.5°	66.4	67.9	71.8	73.3	74.1	72.6	*69.5*	72.6	72.6	72.6	71.8
5°	96.5	96.5	96.5	98.8	99.6	101.1	*99.6*	95.7	92.6	89.6	88.8
7.5°	135.1	136.7	137.4	137.4	137.4	140.5	*143.6*	136.7	130.5	124.3	122.8
10°	193.8	189.9	186.1	187.6	184.5	178.3	*181.4*	176.0	162.1	157.5	157.5
12.5°	247.8	247.1	248.6	240.1	235.5	222.3	*223.9*	220.8	210.8	194.6	189.2
15°	277.9	280.3	279.5	282.6	275.6	257.1	*252.5*	254.0	244.7	229.3	221.6
17.5°	293.4	293.4	294.1	298.0	298.0	280.3	*272.5*	268.7	261.0	247.8	237.8
20°	301.1	301.1	300.3	305.7	316.5	306.5	*295.7*	289.5	282.6	261.7	246.3
22.5°	322.7	321.2	318.9	320.4	336.6	333.5	*325.0*	315.8	305.7	274.1	254.8
25°	345.1	345.9	338.9	341.2	357.5	362.1	*355.1*	345.9	334.3	286.4	267.1
27.5°	370.6	369.8	360.5	363.6	372.1	389.1	*380.6*	376.0	356.7	296.5	277.9
30°	393.7	389.9	380.6	388.3	388.3	415.4	*407.6*	410.0	386.0	315.0	294.9
32.5°	410.7	410.0	404.6	414.6	409.2	443.9	*441.6*	460.9	425.4	351.3	332.8
35°	449.3	450.1	472.5	491.8	482.5	533.5	*544.3*	569.0	525.8	441.6	421.5
37.5°	727.3	718.0	687.1	651.6	656.2	751.2	*738.1*	751.2	684.8	563.6	531.9
40°	765.9	768.2	732.7	705.7	701.8	823.0	*843.1*	949.6	810.6	675.5	613.0
42.5°	745.8	753.5	850.8	885.5	854.7	1009.1	*1015.2*	1220.6	945.8	833.0	750.4
45°	945.8	947.3	967.4	989.8	993.6	1378.1	*1399.7*	1626.7	1202.8	1049.2	909.5
47.5°	1076.2	1088.6	1116.4	1269.2	1350.3	1761.8	*1906.2*	2266.7	1602.0	1430.6	1155.0
50°	1521.7	1555.7	1693.1	1824.3	1951.0	2612.6	*3098.2*	3528.3	2406.5	2096.9	1678.4
52.5°	1854.5	1976.4	2130.1	2446.6	2580.2	3570.7	*4333.5*	4599.9	3370.8	2841.9	2286.8
55°	2143.2	2367.1	2533.1	3051.1	3305.1	4655.4	*5469.2*	5507.8	4523.4	3468.8	2932.2
57.5°	2737.7	3064.3	3172.3	3615.5	3969.1	5947.1	*7077.4*	6887.4	5700.0	4182.9	3620.9
60°	3297.4	3673.4	3633.3	4041.7	4509.5	7058.1	*8029.3*	7932.8	6802.5	4859.3	4223.1
62.5°	3479.6	3861.0	3827.0	4256.3	4885.5	7576.1	*8600.6*	8440.8	7453.3	5282.3	4525.7
65°	*3559.1*	*3961.4*	*3952.1*	*4353.6*	*4890.1*	*7658.7*	*8933.4*	*8695.6*	*7657.9*	*5453.0*	*4658.5*
67.5°	3491.2	3874.1	3870.3	4240.1	4533.5	7059.6	*8483.2*	8132.7	7153.8	5051.5	4372.1
70°	3012.5	3278.9	3262.7	3489.7	3643.3	5611.2	*6884.3*	6619.5	5773.4	4151.3	3621.7
72.5°	2456.7	2535.4	2569.4	2699.1	2740.0	4106.5	*5162.7*	4951.9	4304.9	3109.0	2746.2
75°	1961.8	1965.6	2001.1	2046.7	2032.8	3021.0	*4066.4*	3935.9	3174.7	2319.2	2083.0
77.5°	1298.6	1288.5	1444.5	1463.0	1374.2	1924.7	*3036.5*	2944.6	2272.1	1690.0	1523.2
80°	745.0	748.1	854.7	921.8	886.3	1222.9	*2080.7*	2060.6	1560.3	1182.8	1046.1
82.5°	555.9	582.1	639.3	674.8	660.9	919.5	*1384.3*	1422.1	1108.7	850.8	777.5
85°	619.2	633.9	640.0	642.3	625.4	860.1	*1117.9*	1115.6	931.9	714.1	689.4
87.5°	603.0	615.3	620.7	623.8	606.8	822.2	*1056.2*	1040.7	894.0	686.3	650.1
90°	507.2	535.8	535.0	562.0	542.7	722.6	*926.5*	916.4	811.4	632.3	589.8
92.5°	425.4	441.6	452.4	489.5	472.5	636.2	*833.0*	809.9	726.5	575.2	529.6
95°	397.6	412.3	420.8	441.6	420.8	549.7	*701.8*	680.9	603.0	479.4	435.4
97.5°	335.1	339.7	347.4	361.3	347.4	445.5	*568.2*	548.2	484.1	391.4	360.5
100°	284.1	288.7	298.8	308.8	301.9	381.4	*475.6*	464.8	416.1	340.5	319.6
102.5°	268.7	271.8	284.9	291.1	282.6	350.5	*420.0*	420.0	376.8	314.2	297.2
105°	256.3	260.2	270.2	272.5	266.4	322.7	*387.6*	383.7	349.7	294.1	277.9
107.5°	244.0	248.6	257.1	253.2	250.1	297.2	*348.2*	354.4	325.0	279.5	268.7
110°	257.1	258.6	265.6	259.4	264.8	295.7	*349.7*	351.3	342.8	305.0	293.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	349.7	341.2	355.9	332.8	350.5	372.1	*406.1*	418.4	408.4	365.2	355.1
115°	382.9	389.1	404.6	381.4	393.0	419.2	*435.4*	437.8	426.2	398.4	394.5
117.5°	298.8	329.7	313.5	327.3	332.0	368.3	*405.3*	416.1	405.3	366.7	390.7
120°	382.2	406.9	351.3	334.3	357.5	420.8	*454.7*	464.0	434.7	435.4	450.1
122.5°	633.9	647.7	682.5	700.2	673.2	711.8	*723.4*	731.9	687.1	634.6	608.4
125°	962.0	951.9	947.3	942.7	935.7	976.6	*984.4*	962.7	918.0	844.6	803.7
127.5°	870.1	878.6	891.7	890.2	884.0	915.6	*934.9*	921.8	909.5	839.2	815.3
130°	626.1	630.0	653.2	694.8	690.2	715.7	*718.0*	731.1	752.0	721.1	696.4
132.5°	518.8	522.7	557.4	575.9	577.5	578.3	*567.5*	597.6	619.2	588.3	567.5
135°	452.4	452.4	460.1	453.2	455.5	475.6	*484.8*	511.9	517.3	502.6	481.8
137.5°	399.9	401.5	385.3	372.1	374.4	410.7	*431.6*	452.4	441.6	411.5	396.8
140°	348.2	339.7	317.3	313.5	330.4	365.2	*377.5*	392.2	395.3	356.7	337.4
142.5°	256.3	253.2	263.3	284.1	293.4	351.3	*342.0*	369.8	371.4	306.5	274.8
145°	286.4	285.7	284.9	288.7	310.4	394.5	*372.1*	407.6	424.6	325.8	266.4
147.5°	323.5	322.7	315.8	307.3	339.7	360.5	*340.5*	371.4	389.9	323.5	257.9
150°	250.1	251.7	247.8	245.5	281.0	277.2	*272.5*	281.0	288.7	267.9	234.7
152.5°	194.6	191.5	189.2	189.9	219.3	214.6	*214.6*	220.8	221.6	213.9	196.9
155°	175.3	174.5	172.9	176.0	193.8	189.2	*185.3*	183.7	179.9	177.6	175.3
157.5°	164.4	162.9	162.9	167.5	179.9	172.2	*170.6*	169.1	166.8	166.8	167.5
160°	153.6	152.9	152.9	159.8	163.7	156.7	*155.2*	154.4	153.6	155.2	156.7
162.5°	147.5	147.5	147.5	152.1	152.1	147.5	*145.9*	145.1	145.9	151.3	152.1
165°	145.1	144.4	145.1	147.5	146.7	143.6	*142.8*	142.8	145.1	149.8	150.5
167.5°	149.0	149.0	149.0	149.8	149.0	145.9	*145.1*	145.1	147.5	151.3	151.3
170°	155.2	154.4	154.4	154.4	153.6	150.5	*149.0*	149.8	150.5	152.9	152.9
172.5°	160.6	160.6	159.8	159.0	157.5	156.0	*154.4*	154.4	154.4	155.2	155.2
175°	166.8	166.8	166.8	166.0	166.0	163.7	*162.9*	162.1	161.4	160.6	159.8
177.5°	173.7	172.9	172.9	172.9	172.9	170.6	*169.1*	168.3	166.8	166.0	166.0
180°	170.6	170.6	170.6	170.6	170.6	170.6	*170.6*	170.6	170.6	170.6	170.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2.5°	71.8	69.5	65.6	58.7	56.4	54.0	51.7	47.1	44.8	43.2
5°	88.0	84.9	84.2	80.3	74.9	70.3	69.5	67.9	67.2	64.9
7.5°	125.8	127.4	131.2	124.3	108.9	100.4	102.7	111.2	108.1	107.3
10°	158.3	168.3	176.0	158.3	130.5	112.7	113.5	130.5	132.0	135.1
12.5°	185.3	193.8	192.2	169.9	143.6	126.6	121.2	130.5	139.0	139.7
15°	214.6	200.0	194.6	176.0	157.5	144.4	142.1	144.4	144.4	142.8
17.5°	227.0	201.5	186.1	170.6	157.5	148.2	145.1	141.3	135.9	135.9
20°	230.1	207.7	189.9	173.7	160.6	150.5	142.1	137.4	135.9	135.9
22.5°	239.3	219.3	200.7	181.4	167.5	154.4	144.4	139.7	139.7	140.5
25°	252.5	233.9	210.8	190.7	176.0	162.1	149.0	142.1	141.3	142.1
27.5°	268.7	249.4	223.9	202.3	185.3	169.9	153.6	145.1	142.1	142.1
30°	287.2	264.8	236.2	212.3	193.8	179.9	159.8	148.2	144.4	142.8
32.5°	320.4	294.9	251.7	225.4	204.6	189.2	169.1	154.4	146.7	145.1
35°	402.2	362.9	306.5	258.6	227.0	200.0	176.0	158.3	148.2	146.7
37.5°	491.0	431.6	378.3	325.0	278.7	234.7	189.2	164.4	152.1	149.8
40°	546.6	468.6	421.5	342.0	335.8	299.6	232.4	181.4	159.8	156.7
42.5°	660.9	544.3	469.4	301.9	328.1	335.8	293.4	227.8	180.7	175.3
45°	796.0	640.0	526.5	322.7	338.2	328.9	300.3	264.0	225.4	214.6
47.5°	1031.5	730.4	546.6	374.4	386.8	361.3	318.9	281.0	252.5	248.6
50°	1488.5	995.9	615.3	460.1	497.2	426.2	371.4	342.0	303.4	298.8
52.5°	2076.8	1199.0	691.0	595.2	679.4	591.4	502.6	443.2	434.7	437.8
55°	2714.5	1261.5	790.6	735.8	883.2	800.6	698.7	641.6	697.9	715.7
57.5°	3346.8	1355.7	934.9	918.0	1105.6	979.7	899.4	924.1	1158.8	1215.2
60°	3844.8	1436.0	1056.9	1093.2	1325.6	1189.0	1155.0	1191.3	1594.3	1744.1
62.5°	4040.1	1399.7	1120.2	1167.3	1429.1	1335.6	1324.1	1358.8	1698.5	1846.0
65°	*4054.8*	*1344.1*	*1144.9*	*1187.4*	*1445.3*	*1345.7*	*1314.0*	*1284.7*	*1520.9*	*1614.3*
67.5°	3752.1	1233.0	1114.8	1158.8	1373.5	1241.5	1175.8	1109.4	1230.6	1282.4
70°	3024.9	1093.2	1020.6	1046.1	1155.0	1033.0	943.4	897.9	941.1	937.3
72.5°	2291.4	962.7	917.2	891.7	943.4	844.6	745.8	701.8	740.4	730.4
75°	1750.2	859.3	816.8	731.9	782.1	648.5	539.7	509.6	528.1	521.1
77.5°	1263.1	688.7	632.3	538.9	603.7	471.7	362.1	340.5	345.1	330.4
80°	909.5	513.4	458.6	392.2	443.9	337.4	268.7	264.0	266.4	250.9
82.5°	714.1	411.5	375.2	339.7	355.9	305.0	258.6	254.0	256.3	239.3
85°	665.5	403.0	365.2	342.0	347.4	300.3	250.9	249.4	253.2	234.7
87.5°	627.7	399.1	369.0	335.8	322.7	275.6	232.4	239.3	250.1	230.8
90°	553.6	372.1	345.9	315.8	301.9	258.6	232.4	242.4	241.7	227.8
92.5°	487.9	332.0	311.1	294.1	291.1	263.3	243.2	252.5	255.5	241.7
95°	399.9	280.3	270.2	264.8	269.4	242.4	225.4	230.1	227.0	219.3
97.5°	340.5	255.5	248.6	240.9	236.2	216.9	202.3	208.5	211.5	204.6
100°	308.0	243.2	237.8	229.3	228.5	215.4	207.7	220.0	229.3	225.4
102.5°	288.0	230.8	223.9	216.2	213.9	203.0	196.9	204.6	213.1	205.4
105°	273.3	219.3	208.5	201.5	197.6	189.9	182.2	185.3	194.6	190.7
107.5°	259.4	218.5	201.5	196.1	196.1	186.1	175.3	176.0	180.7	179.9
110°	281.0	242.4	211.5	203.8	201.5	198.4	190.7	183.0	176.8	176.8

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

Scaled Data Report

REPORT NUMBER: P981417
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	336.6	297.2	265.6	240.9	230.8	219.3	203.0	191.5	183.0	180.7
115°	361.3	318.9	288.7	261.7	238.6	216.2	202.3	193.8	189.2	193.8
117.5°	340.5	281.8	277.9	250.1	228.5	210.8	206.9	193.0	200.7	200.7
120°	382.9	327.3	318.9	278.7	248.6	226.2	223.9	221.6	213.1	209.2
122.5°	559.7	487.2	452.4	393.0	341.2	294.9	268.7	232.4	206.9	201.5
125°	760.5	664.7	581.4	502.6	424.6	342.0	272.5	218.5	192.2	188.4
127.5°	762.8	665.5	573.6	477.9	393.0	306.5	244.7	206.9	188.4	187.6
130°	670.9	586.0	484.8	389.9	321.2	264.0	219.3	188.4	175.3	171.4
132.5°	534.3	458.6	393.7	335.1	282.6	233.9	193.8	172.2	164.4	163.7
135°	449.3	383.7	338.2	294.9	254.0	210.8	173.7	162.9	159.0	157.5
137.5°	366.7	327.3	299.6	264.8	225.4	189.9	165.2	160.6	159.0	156.0
140°	318.1	291.8	261.7	223.1	193.0	163.7	150.5	154.4	158.3	157.5
142.5°	259.4	240.1	217.7	192.2	171.4	158.3	152.9	155.2	155.2	156.0
145°	246.3	220.8	208.5	193.0	179.1	169.1	156.0	151.3	150.5	150.5
147.5°	228.5	218.5	210.8	200.0	179.1	160.6	145.9	143.6	146.7	145.9
150°	213.9	206.9	197.6	180.7	159.8	147.5	139.7	140.5	145.9	146.7
152.5°	181.4	177.6	171.4	160.6	145.9	139.7	135.9	139.0	142.8	143.6
155°	161.4	159.0	157.5	150.5	141.3	137.4	135.9	138.2	142.1	142.8
157.5°	159.8	154.4	152.1	147.5	140.5	136.7	136.7	139.0	141.3	142.1
160°	155.2	148.2	147.5	142.8	141.3	139.0	140.5	141.3	143.6	142.8
162.5°	151.3	146.7	145.9	142.8	144.4	146.7	146.7	147.5	149.0	148.2
165°	149.8	145.9	145.1	145.1	149.8	153.6	154.4	153.6	153.6	153.6
167.5°	151.3	149.0	148.2	149.8	153.6	158.3	159.0	157.5	156.0	155.2
170°	153.6	152.9	153.6	154.4	156.7	159.8	159.8	158.3	158.3	158.3
172.5°	156.0	157.5	158.3	158.3	160.6	162.1	162.9	162.1	162.1	162.1
175°	160.6	161.4	161.4	162.1	164.4	166.0	167.5	167.5	167.5	167.5
177.5°	166.0	166.0	166.0	166.8	167.5	169.9	170.6	172.2	172.9	172.9
180°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6

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: SP1-2501-332-3

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

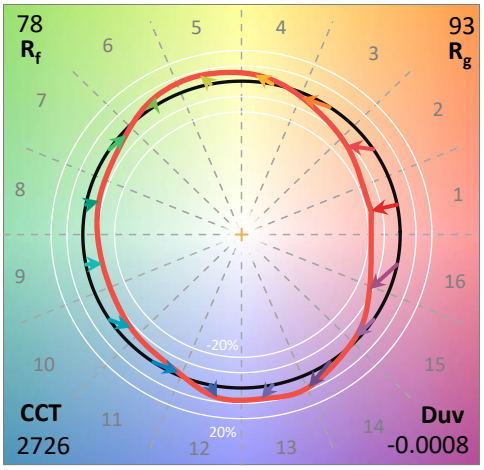
Test Information

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

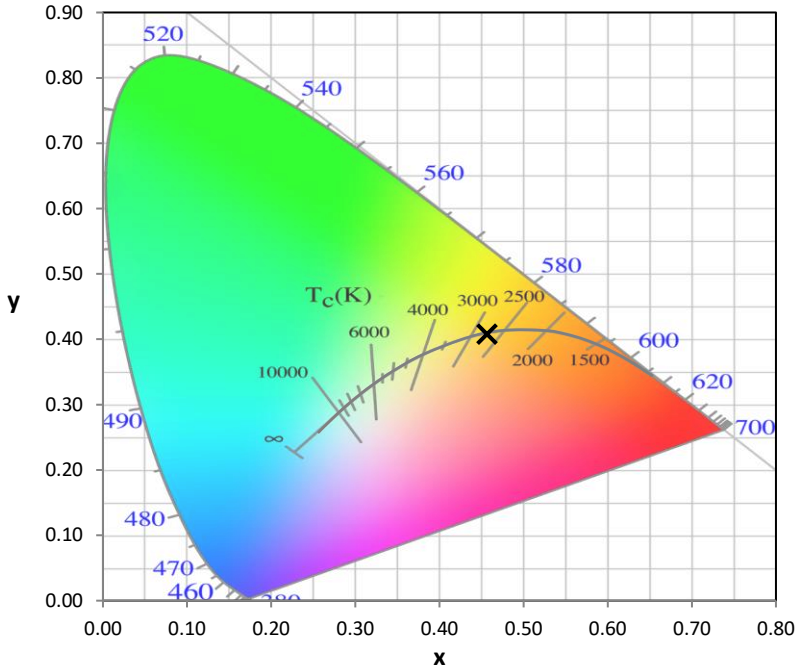
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

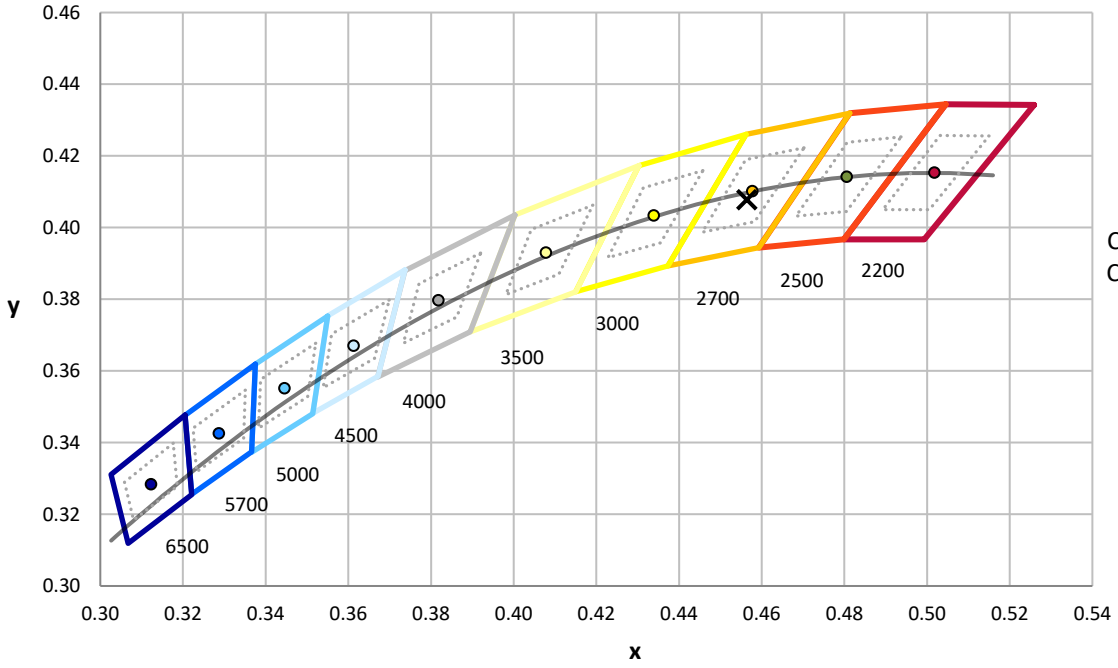
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

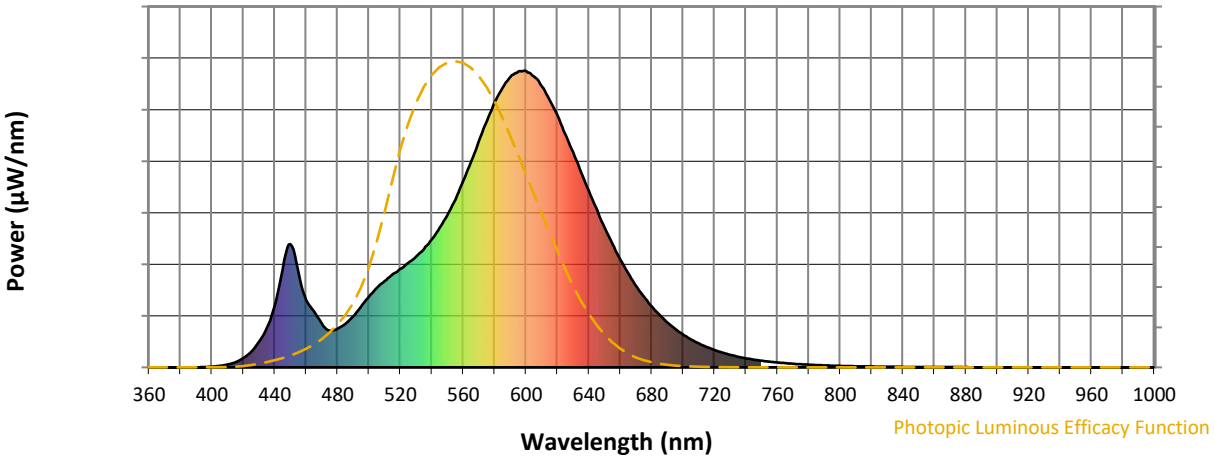


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

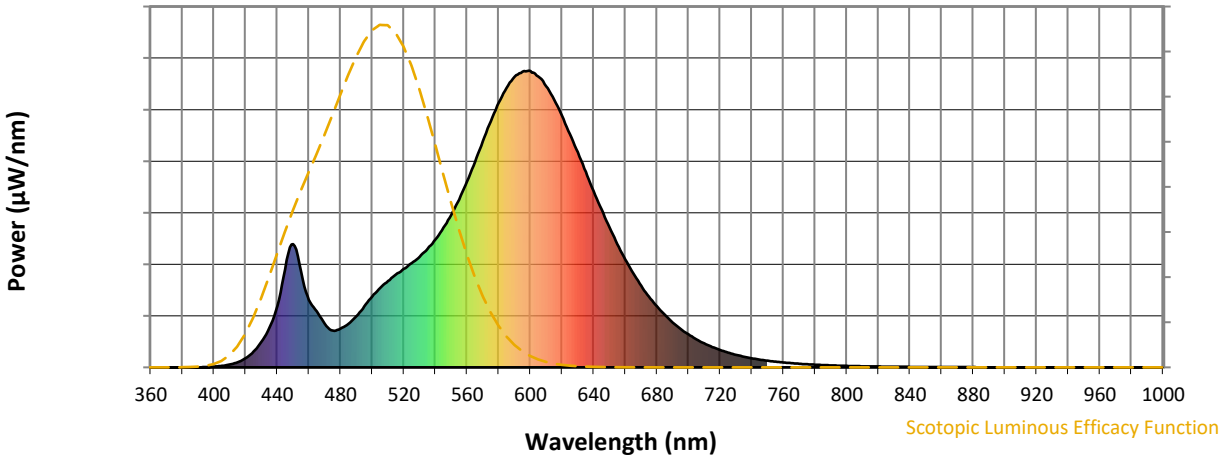


Photopic Lumens: NR

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

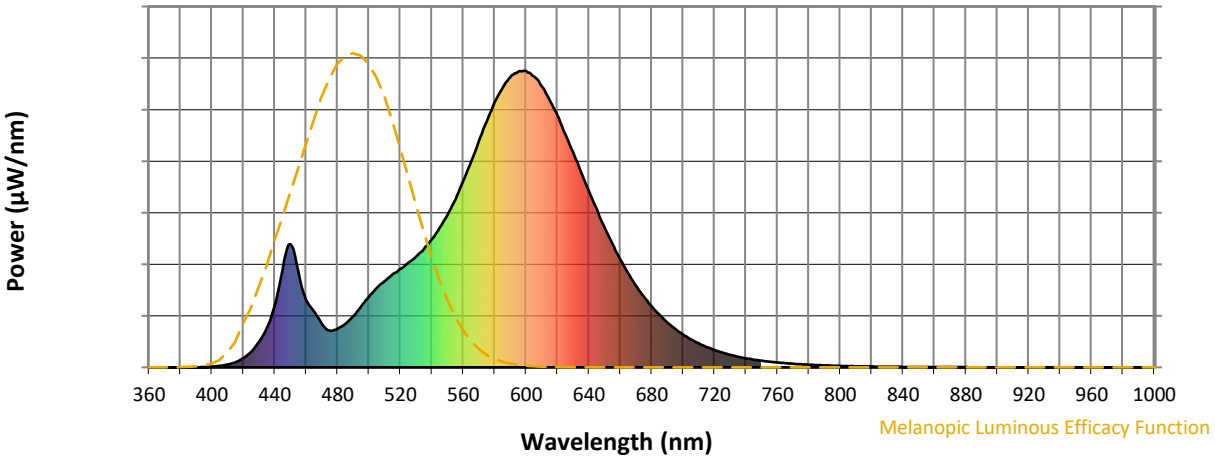


Scotopic Lumens: NR **S/P: 1.16**

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			

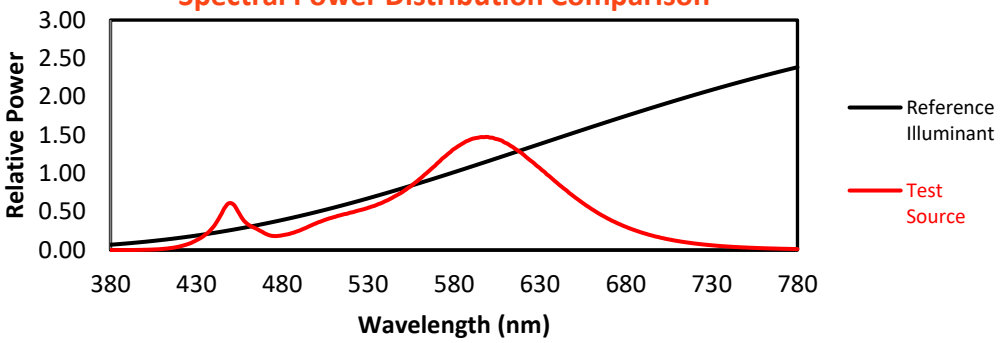
REPORT NUMBER: SP1-2501-332-3

TM-30-18

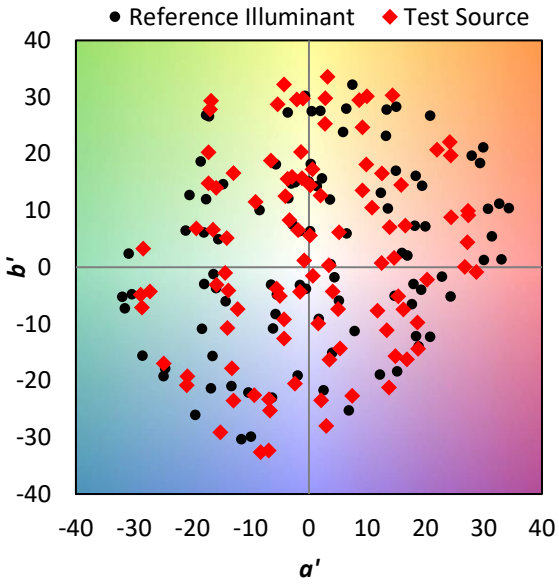
Summary

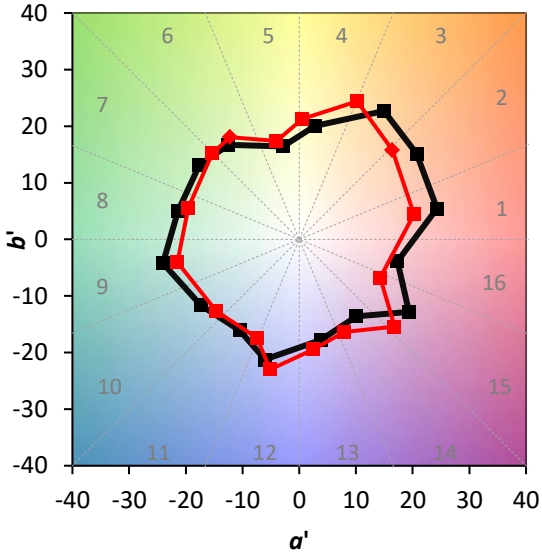
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

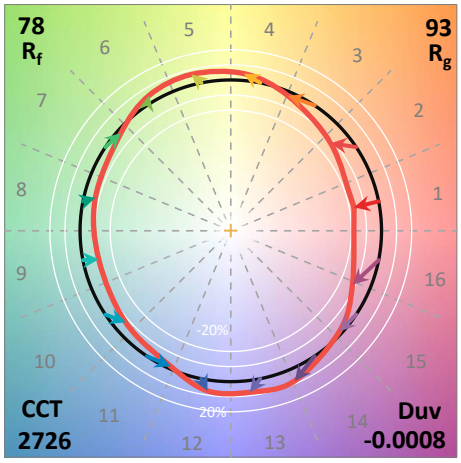
Spectral Power Distribution Comparison

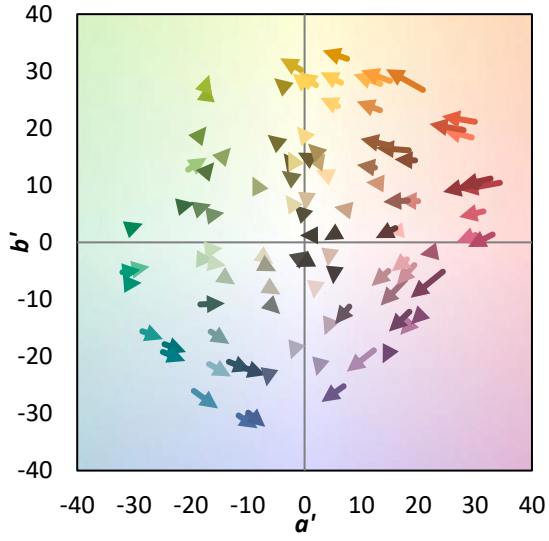


Color Vector Graphics







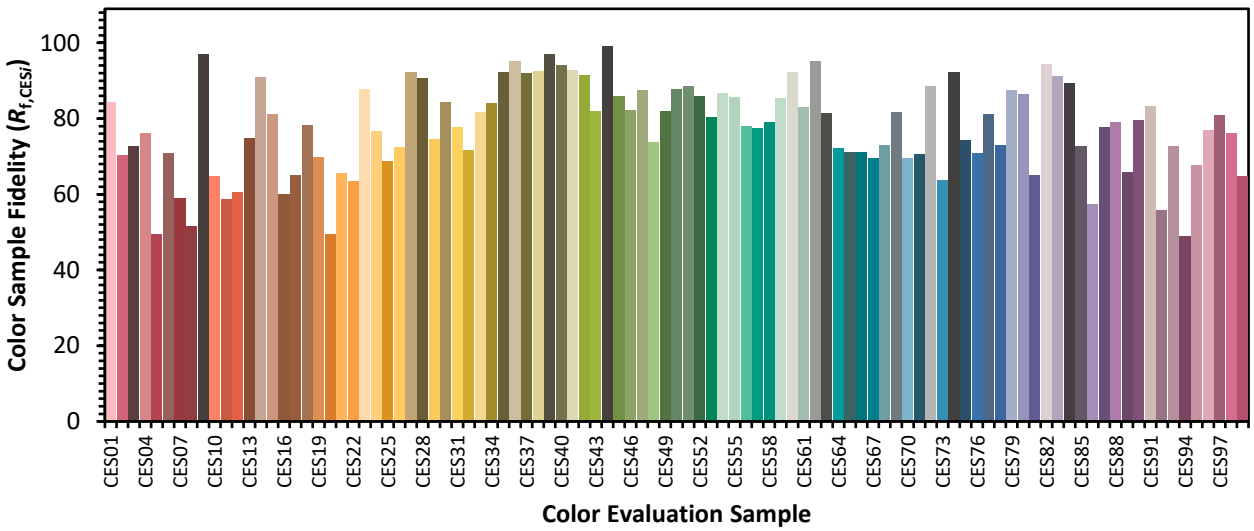


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

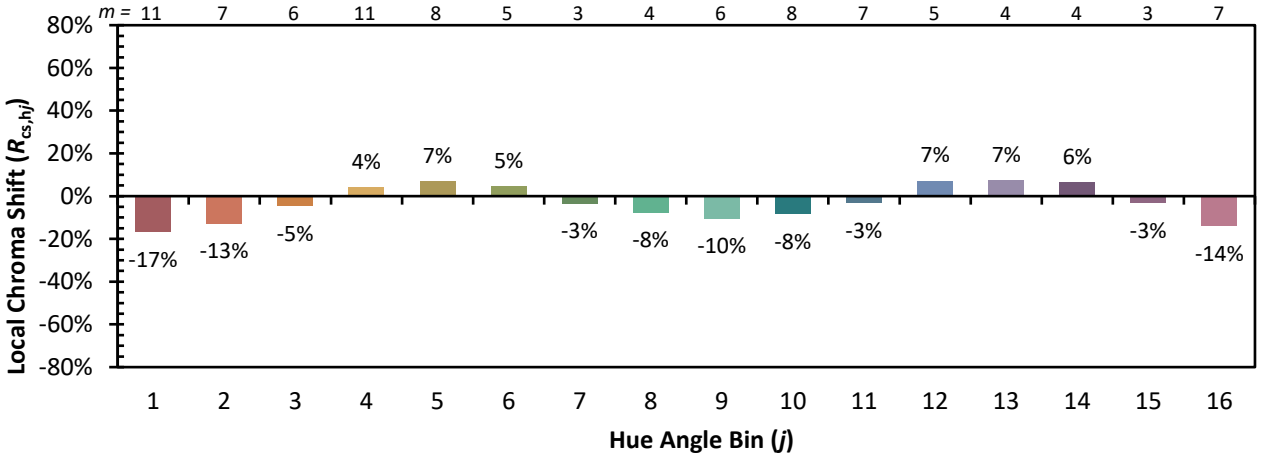
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

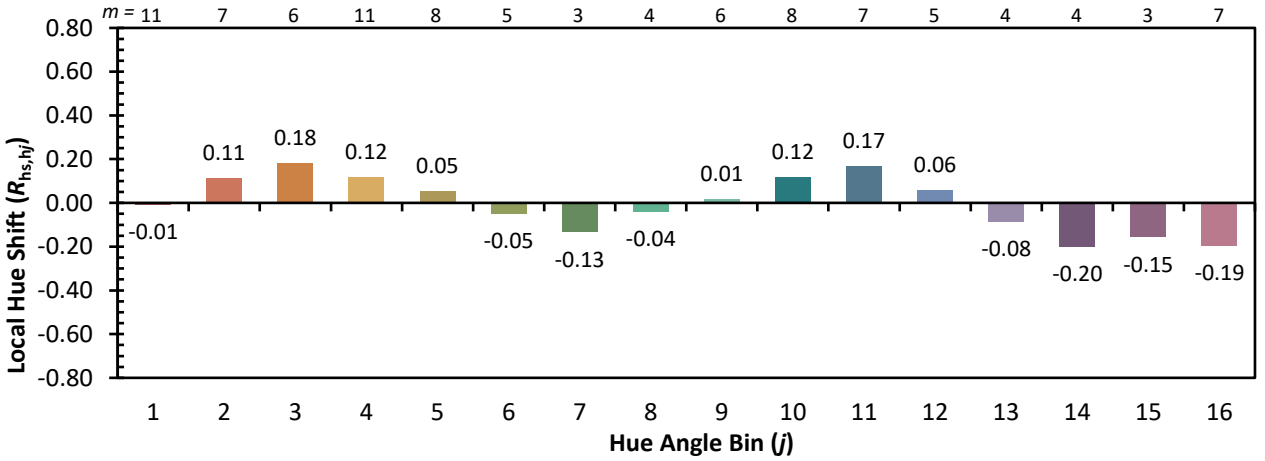


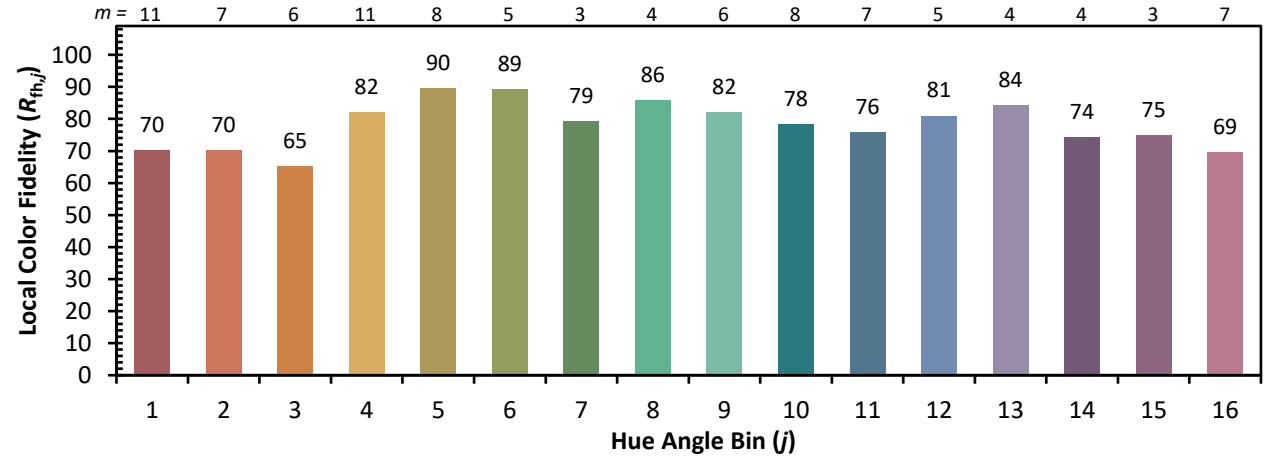
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Color Rendition by Hue-Angle Bin



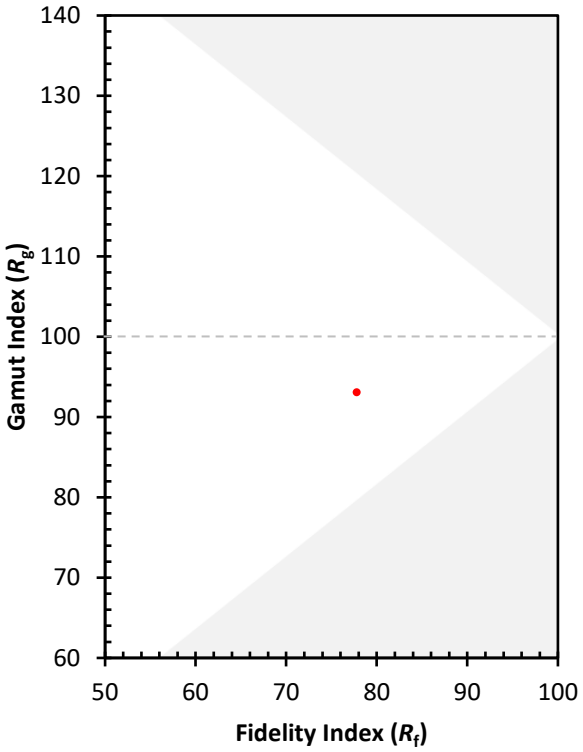


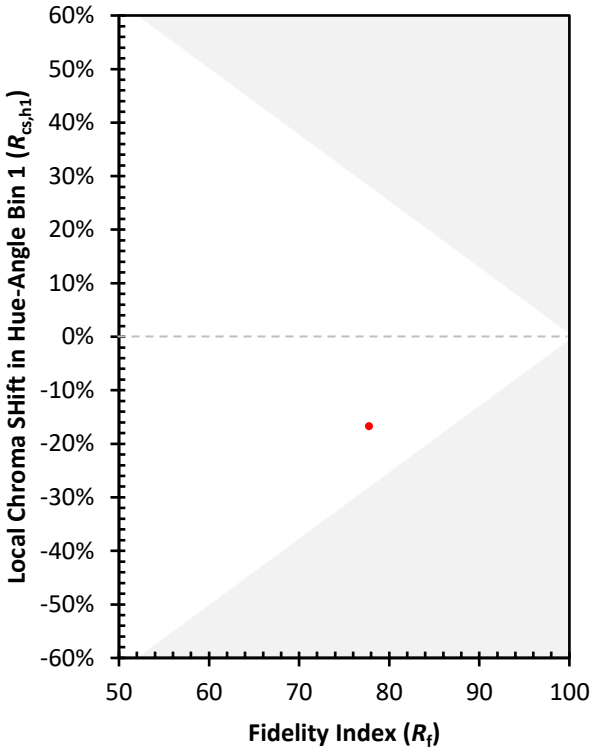


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Measure Comparisons





(END OF REPORT)