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: P1046598

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

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046598
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10563.4 lumens
Efficiency:	N/A
Efficacy:	129.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G4

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

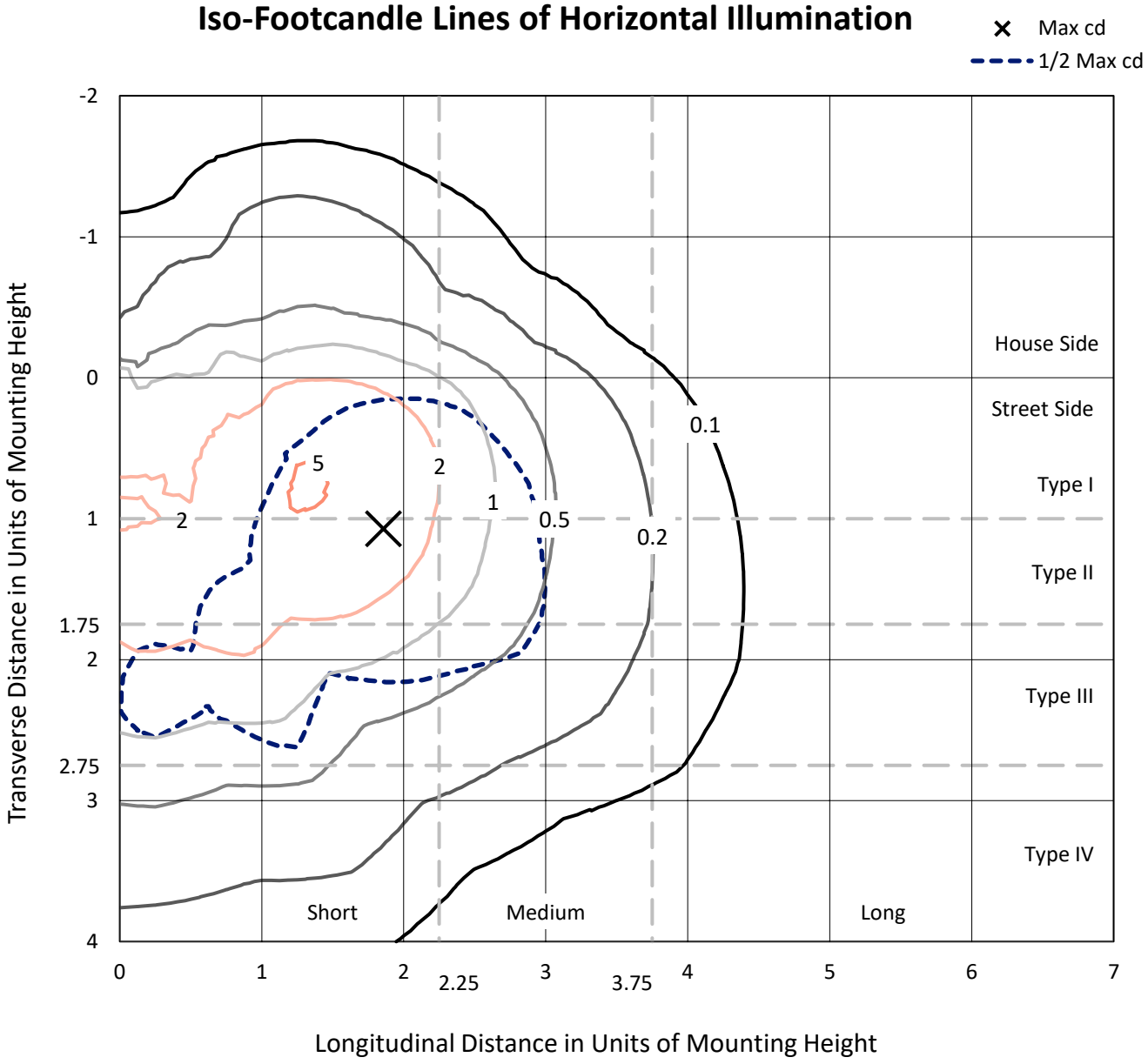


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Iso-Footcandle Lines of Horizontal Illumination



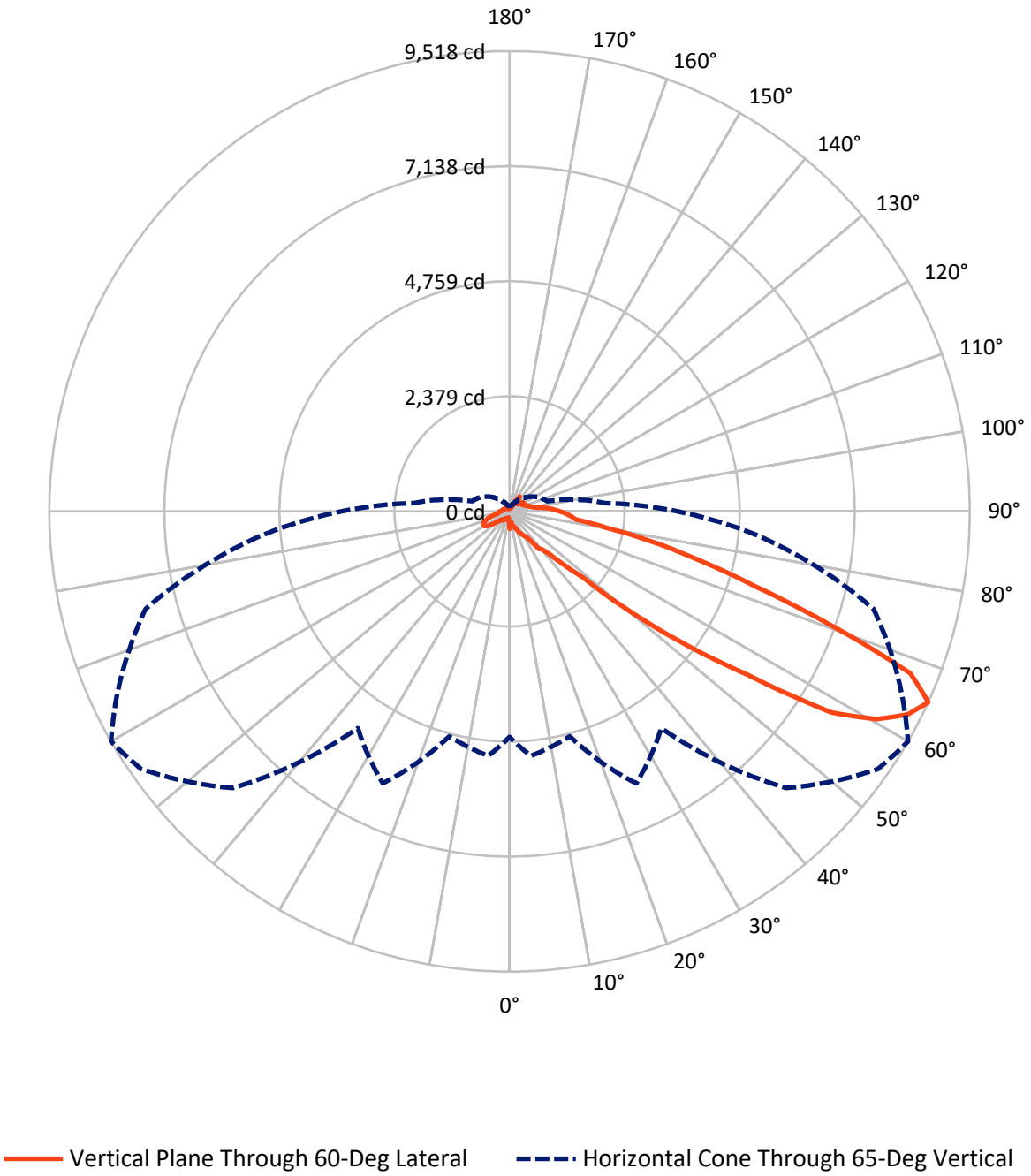
Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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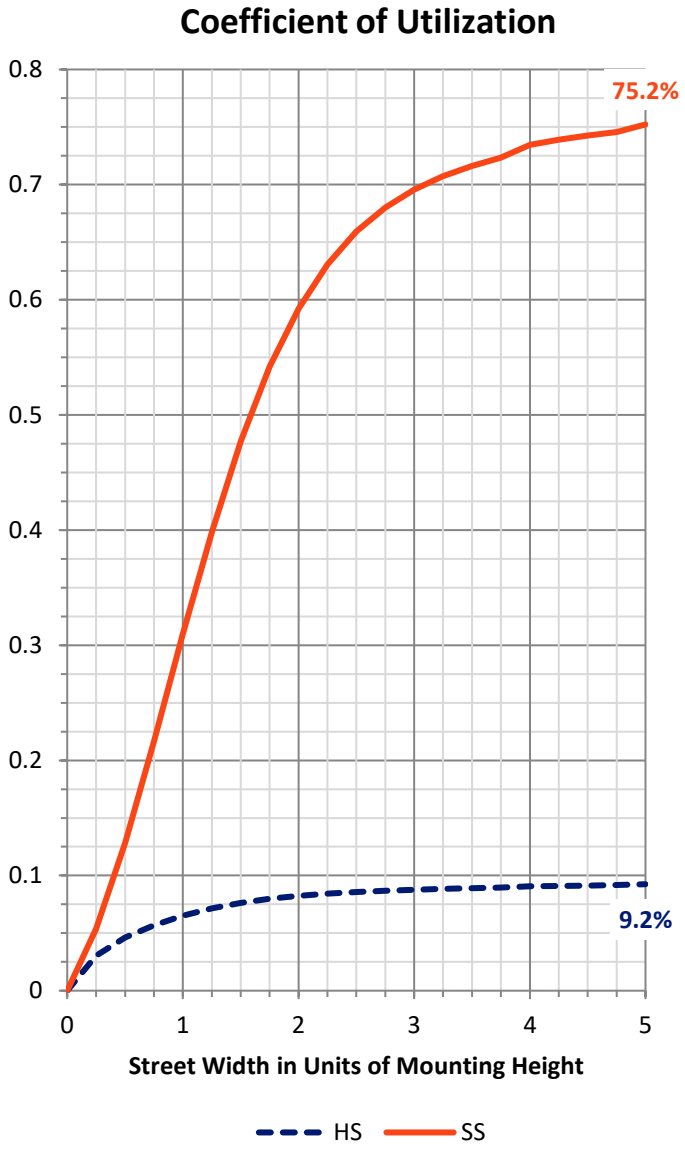
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.2	330.6	1354.8
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	8231.6	977.1	9208.6
	% Fixture	77.9	9.2	87.2
Total	Lumens	9255.8	1307.7	10563.4
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.2
10°-20°	67.6	0.6
20°-30°	144.6	1.4
30°-40°	296.7	2.8
40°-50°	695.1	6.6
50°-60°	2174.4	20.6
60°-70°	3404.7	32.2
70°-80°	1801.1	17.1
80°-90°	652.2	6.2
90°-100°	393.3	3.7
100°-110°	246.3	2.3
110°-120°	199.1	1.9
120°-130°	166.1	1.6
130°-140°	121.0	1.1
140°-150°	111.2	1.1
150°-160°	46.3	0.4
160°-170°	18.5	0.2
170°-180°	6.0	0.1
0°-90°	9255.8	87.6
0°-180°	10563.4	100.0



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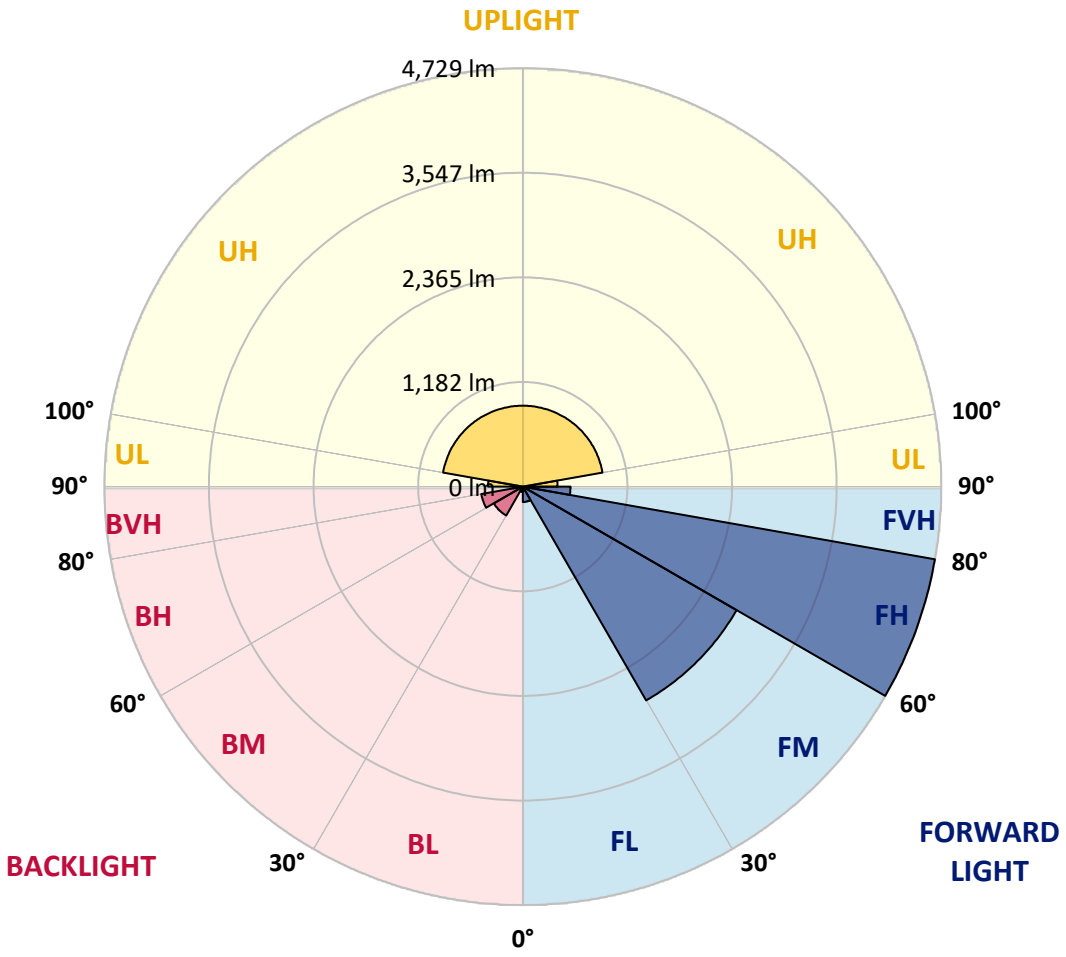
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	174.1	1.6			
FM	(30°-60°)	2789.5	26.4			
FH	(60°-80°)	4729.0	44.8			G2/5000
FVH	(80°-90°)	538.9	5.1			G4/750
BL	(0°-30°)	57.5	0.5	B0/110		
BM	(30°-60°)	376.7	3.6	B1/1000		
BH	(60°-80°)	476.8	4.5	B1/500		G1/500
BVH	(80°-90°)	113.3	1.1			G2/225
UL	(90°-100°)	393.3	3.7		U3/500	
UH	(100°-180°)	914.4	8.7		U4/1000	

BUG Rating: B1-U4-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	197.8	205.5	250.3	296.7	309.8	281.2	243.4	248.0	268.9	368.5	412.6
5°	231.8	234.1	230.2	235.6	268.1	309.0	285.1	257.3	220.2	159.2	157.6
7.5°	266.5	266.5	265.0	245.7	223.3	216.3	237.2	241.0	237.2	197.8	170.7
10°	290.5	290.5	289.7	291.3	292.8	285.1	251.1	238.0	224.1	207.1	199.3
12.5°	352.3	353.8	363.9	358.5	338.4	317.5	321.4	317.5	296.7	260.4	230.2
15°	431.1	434.2	435.7	415.7	383.2	344.6	319.9	313.7	309.8	288.9	258.8
17.5°	472.1	470.5	452.0	431.1	410.2	382.4	359.3	350.0	336.1	309.8	277.4
20°	467.4	467.4	448.9	444.2	445.8	428.8	399.4	387.8	372.4	347.7	302.9
22.5°	480.5	481.3	469.7	473.6	490.6	473.6	445.0	437.3	422.6	387.1	341.5
25°	530.8	530.8	517.6	512.2	526.9	520.7	504.5	495.2	474.4	431.1	350.8
27.5°	576.4	573.3	560.9	562.4	548.5	545.4	541.6	537.7	519.2	450.4	355.4
30°	611.9	611.9	601.1	608.0	578.7	583.3	569.4	580.2	556.3	476.7	373.2
32.5°	644.3	649.0	645.1	654.4	619.6	639.7	615.8	627.3	612.7	523.8	423.4
35°	719.3	724.7	742.5	765.6	723.1	744.0	706.1	722.4	707.7	630.4	520.0
37.5°	1016.7	1008.2	969.6	931.7	890.8	976.6	967.3	982.7	959.6	835.2	656.7
40°	1022.9	1018.3	1010.5	986.6	909.3	994.3	998.2	1026.0	1095.5	896.2	710.0
42.5°	1049.2	1054.6	1146.5	1158.1	1100.2	1232.3	1196.0	1197.5	1435.5	1061.5	916.3
45°	1213.7	1213.7	1243.1	1257.8	1240.8	1620.1	1614.7	1568.4	1868.1	1324.2	1077.8
47.5°	1391.4	1396.8	1450.9	1596.2	1691.2	2050.4	2157.1	2045.8	2439.1	1737.6	1484.9
50°	1911.4	1922.2	2090.6	2218.1	2396.6	3001.5	3526.1	3356.9	3974.2	2650.7	2237.4
52.5°	2287.6	2422.1	2514.8	2994.6	3064.1	3993.5	4670.3	4612.3	5026.5	3669.0	2715.6
55°	2722.6	2932.0	2993.8	3737.8	3862.2	5153.2	5855.4	5958.2	5983.7	4742.9	3192.3
57.5°	3438.8	3763.3	3774.9	4561.4	4583.0	6495.9	7613.9	7840.2	7582.2	5993.0	3944.1
60°	4029.0	4409.2	4281.7	5352.5	5137.7	7582.2	8469.1	8725.6	8246.6	7061.5	4469.4
62.5°	4394.5	4761.5	4593.8	5908.8	5471.5	8048.0	8979.8	9243.2	8716.3	7629.3	4873.5
65°	4667.2	5074.4	4816.3	6205.4	5470.7	8089.8	9295.0	9517.5	8953.5	7792.3	4992.5
67.5°	4672.6	5038.0	4715.9	6099.6	5106.8	7429.2	8802.9	8943.5	8317.7	7213.7	4638.6
70°	4084.7	4347.4	3989.6	5147.8	4119.4	5638.3	6874.5	7041.4	6411.7	5545.6	3594.1
72.5°	3417.9	3520.7	3166.1	4117.1	3226.3	4267.0	5255.1	5317.7	4984.7	4154.2	2778.2
75°	2684.0	2644.6	2460.7	3069.5	2453.0	3023.1	4127.2	4066.9	3883.8	3057.1	2120.0
77.5°	1790.9	1717.5	1726.7	2106.1	1713.6	2000.2	3005.4	3007.7	2943.6	2266.8	1512.0
80°	1092.4	1094.8	1064.6	1335.8	1131.1	1329.6	2071.3	2003.3	2004.9	1495.0	1058.4
82.5°	854.5	868.4	830.5	962.6	890.8	1057.7	1353.6	1391.4	1350.5	1097.8	779.5
85°	839.0	851.4	812.0	893.9	846.8	1010.5	1273.2	1270.1	1248.5	1018.3	737.0
87.5°	768.7	783.4	754.0	811.2	774.9	935.6	1172.0	1156.6	1135.7	958.0	703.1
90°	649.0	676.0	655.9	727.0	676.8	805.0	1019.0	1012.9	1002.0	846.8	625.8
92.5°	590.3	595.7	581.0	645.1	589.5	705.4	904.7	885.4	861.4	734.7	533.1
95°	528.5	526.1	512.2	564.0	514.5	590.3	768.7	739.4	727.0	620.4	445.0
97.5°	423.4	424.2	417.2	452.7	417.2	471.3	577.1	566.3	541.6	463.6	340.7
100°	370.8	373.2	368.5	396.3	366.2	401.0	480.5	478.2	458.1	395.6	297.4
102.5°	350.8	351.5	357.7	374.7	346.1	371.6	438.1	438.8	425.7	368.5	279.7
105°	336.8	336.1	340.7	354.6	329.9	348.4	409.5	409.5	390.9	347.7	265.0
107.5°	326.0	324.5	332.2	343.8	326.8	332.2	379.3	382.4	364.7	323.7	251.9
110°	313.7	312.9	326.0	334.5	318.3	319.1	360.0	357.7	341.5	315.2	248.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	318.3	322.9	337.6	313.7	289.7	291.3	322.9	*326.8*	315.2	288.2	235.6
115°	314.4	319.1	338.4	304.4	268.9	278.1	304.4	*307.5*	290.5	268.1	221.7
117.5°	300.5	302.1	313.7	305.2	268.1	278.9	292.0	*297.4*	285.1	268.1	224.1
120°	355.4	343.8	343.8	330.7	288.9	308.3	333.0	*337.6*	326.0	294.4	223.3
122.5°	326.8	322.9	323.7	306.7	285.9	302.1	331.4	*339.2*	329.1	297.4	223.3
125°	257.3	258.0	254.2	259.6	251.1	256.5	272.0	*284.3*	275.0	258.0	212.5
127.5°	234.1	233.3	228.7	251.9	225.6	236.4	251.1	*258.0*	248.8	229.5	192.4
130°	227.9	227.9	241.0	265.0	249.5	244.9	239.5	*246.5*	244.9	232.5	192.4
132.5°	213.2	214.0	233.3	264.2	258.0	236.4	217.1	*221.0*	227.9	231.0	203.2
135°	213.2	210.9	204.7	211.7	207.8	213.2	207.8	*213.2*	214.8	213.2	177.7
137.5°	227.1	225.6	210.1	200.9	201.6	218.6	219.4	*221.7*	219.4	207.1	172.3
140°	222.5	217.1	206.3	202.4	203.2	221.0	227.9	*229.5*	227.1	203.2	162.2
142.5°	214.8	214.8	217.9	222.5	229.5	312.1	290.5	*310.6*	311.4	286.6	166.9
145°	308.3	311.4	302.1	292.0	316.8	375.5	353.1	*374.7*	389.4	362.3	230.2
147.5°	278.1	282.8	277.4	268.9	301.3	302.1	288.2	*290.5*	294.4	300.5	232.5
150°	197.0	191.6	200.1	193.9	226.4	224.8	205.5	*210.1*	218.6	219.4	185.4
152.5°	146.0	143.7	142.2	141.4	163.0	149.9	142.9	*140.6*	142.2	141.4	132.9
155°	129.0	129.0	128.2	132.1	143.7	134.4	127.5	*128.2*	124.4	122.1	117.4
157.5°	100.4	98.1	100.4	107.4	112.0	103.5	101.2	*99.7*	98.9	95.0	96.6
160°	82.7	82.7	84.2	89.6	92.7	86.5	81.9	*80.3*	80.3	78.8	84.2
162.5°	70.3	70.3	71.9	73.4	74.9	71.9	70.3	*70.3*	69.5	69.5	74.9
165°	58.7	58.7	59.5	62.6	63.4	61.8	61.0	*61.8*	61.8	64.9	69.5
167.5°	54.1	54.1	54.9	56.4	57.2	56.4	58.7	*61.0*	63.4	66.4	68.0
170°	51.8	51.8	52.5	53.3	54.9	56.4	61.0	*62.6*	63.4	62.6	62.6
172.5°	53.3	53.3	53.3	54.9	56.4	60.3	64.1	*64.1*	62.6	61.0	61.0
175°	54.1	53.3	54.1	55.6	57.9	60.3	61.8	*63.4*	63.4	62.6	62.6
177.5°	53.3	53.3	54.1	54.9	54.9	54.9	55.6	*56.4*	56.4	57.2	57.9
180°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	*52.5*	52.5	52.5	52.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	404.1	381.7	282.8	187.7	230.2	336.1	391.7	367.0	273.5	157.6	133.7
5°	165.3	185.4	216.3	207.1	186.2	153.0	115.1	114.3	158.4	192.4	195.5
7.5°	159.2	146.0	138.3	153.0	142.9	98.9	83.4	69.5	74.2	108.9	104.3
10°	196.2	191.6	178.5	146.0	107.4	88.8	83.4	85.0	91.2	81.9	81.1
12.5°	218.6	207.1	178.5	169.2	143.7	102.0	84.2	78.0	83.4	104.3	112.8
15°	239.5	222.5	187.0	156.8	129.0	105.8	90.4	78.8	70.3	61.0	60.3
17.5°	258.0	236.4	197.0	163.0	128.2	105.8	87.3	68.8	59.5	56.4	56.4
20°	280.4	260.4	210.1	170.0	129.0	103.5	84.2	68.0	59.5	56.4	56.4
22.5°	310.6	277.4	224.1	173.1	130.6	102.8	82.7	69.5	61.8	57.2	57.2
25°	319.1	293.6	233.3	183.1	136.7	106.6	86.5	71.9	63.4	59.5	58.7
27.5°	325.3	305.9	251.1	191.6	143.7	114.3	92.7	74.9	64.9	61.0	60.3
30°	349.2	332.2	270.4	204.0	153.0	122.1	98.1	79.6	68.0	61.8	60.3
32.5°	400.2	376.3	299.0	216.3	164.6	130.6	105.1	84.2	71.1	63.4	61.8
35°	497.5	478.2	374.7	241.8	176.9	141.4	113.6	90.4	74.9	65.7	64.9
37.5°	610.3	580.2	455.1	281.2	185.4	150.7	122.1	96.6	78.8	69.5	68.0
40°	629.7	543.9	403.3	256.5	187.0	155.3	129.8	103.5	83.4	72.6	70.3
42.5°	789.6	667.5	467.4	265.0	190.8	155.3	131.3	108.2	88.1	74.9	73.4
45°	835.2	665.2	465.1	295.9	209.4	159.9	132.1	110.5	91.9	78.8	76.5
47.5°	1064.6	815.9	472.1	314.4	228.7	176.2	137.5	112.0	92.7	81.1	80.3
50°	1522.0	1090.9	567.9	379.3	274.3	205.5	154.5	117.4	94.3	83.4	82.7
52.5°	1879.7	1295.6	609.6	454.3	349.2	261.1	184.6	131.3	97.3	84.2	82.7
55°	2234.3	1545.2	686.8	536.2	415.7	314.4	229.5	153.7	105.1	85.8	84.2
57.5°	2775.1	1855.0	782.6	616.5	492.9	364.7	256.5	173.8	114.3	87.3	85.0
60°	3103.5	1964.7	792.7	657.5	536.9	400.2	265.8	181.6	125.9	93.5	89.6
62.5°	3398.6	2063.6	799.6	676.0	544.7	404.1	266.5	175.4	128.2	102.8	98.1
65°	*3475.1*	*1983.2*	*806.6*	*682.2*	*530.8*	*381.7*	*256.5*	*169.2*	*122.1*	*111.3*	*110.5*
67.5°	3302.0	1778.5	758.7	659.0	493.7	343.0	231.0	160.7	119.0	108.2	110.5
70°	2572.7	1412.3	695.3	607.3	426.5	289.7	205.5	149.9	117.4	102.8	100.4
72.5°	2027.3	1201.4	702.3	578.7	360.0	256.5	181.6	136.7	111.3	100.4	98.9
75°	1579.2	1006.7	676.0	498.3	292.0	218.6	159.2	122.1	103.5	96.6	95.8
77.5°	1158.1	798.9	557.8	384.0	241.0	182.3	139.1	112.0	98.1	91.9	91.2
80°	759.5	564.8	388.6	306.7	207.8	164.6	126.7	105.1	94.3	88.8	88.1
82.5°	645.9	501.4	345.3	282.0	192.4	158.4	124.4	102.8	93.5	87.3	86.5
85°	622.7	513.8	353.1	292.0	183.1	151.4	120.5	101.2	91.2	85.8	85.0
87.5°	584.8	465.1	341.5	261.9	169.2	138.3	112.8	97.3	87.3	82.7	81.1
90°	520.7	397.9	293.6	224.8	160.7	129.8	106.6	92.7	85.0	80.3	78.8
92.5°	420.3	302.1	231.0	198.6	156.8	129.0	105.8	92.7	85.0	80.3	78.8
95°	353.1	258.8	207.1	181.6	146.0	122.1	101.2	89.6	82.7	78.0	78.0
97.5°	279.7	216.3	184.6	163.0	131.3	111.3	95.8	85.8	79.6	74.9	74.9
100°	248.0	200.9	175.4	153.0	124.4	105.1	93.5	83.4	78.0	72.6	72.6
102.5°	235.6	194.7	173.1	145.2	119.0	101.2	89.6	80.3	75.7	70.3	70.3
105°	227.9	192.4	171.5	141.4	113.6	96.6	85.8	76.5	72.6	68.8	68.0
107.5°	220.2	189.3	173.8	139.1	108.9	93.5	85.8	75.7	71.1	68.0	68.0
110°	216.3	190.8	173.1	136.7	107.4	92.7	85.0	76.5	72.6	69.5	68.8

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

Scaled Data Report

REPORT NUMBER: P1046598
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	206.3	182.3	165.3	129.8	105.1	90.4	81.9	75.7	70.3	67.2	66.4
115°	196.2	167.7	151.4	123.6	99.7	87.3	79.6	73.4	68.0	65.7	65.7
117.5°	200.1	163.8	139.1	121.3	98.1	85.0	78.0	71.9	67.2	65.7	64.9
120°	197.8	172.3	156.1	129.8	97.3	82.7	76.5	70.3	66.4	65.7	65.7
122.5°	189.3	186.2	171.5	132.1	94.3	83.4	78.0	72.6	68.8	66.4	66.4
125°	182.3	180.8	159.9	119.0	96.6	86.5	81.9	76.5	74.2	71.9	71.1
127.5°	168.4	151.4	132.9	114.3	98.1	88.1	83.4	80.3	78.0	74.2	73.4
130°	169.2	155.3	136.7	115.1	94.3	86.5	84.2	81.1	77.3	71.1	70.3
132.5°	183.9	169.2	136.0	106.6	90.4	86.5	85.0	81.1	72.6	65.7	64.9
135°	153.0	142.9	120.5	102.0	91.9	89.6	88.8	80.3	68.0	63.4	62.6
137.5°	149.1	134.4	115.9	102.8	95.8	91.2	88.1	77.3	63.4	58.7	57.2
140°	140.6	126.7	113.6	104.3	92.7	77.3	70.3	64.9	58.7	54.9	54.1
142.5°	140.6	127.5	107.4	91.9	80.3	71.9	68.0	63.4	56.4	51.0	49.4
145°	166.1	150.7	129.8	116.7	104.3	91.2	78.0	64.1	52.5	45.6	44.8
147.5°	188.5	170.0	153.7	132.1	112.0	90.4	71.9	56.4	47.9	44.8	44.8
150°	154.5	137.5	129.0	110.5	92.7	74.2	61.0	52.5	47.9	46.4	46.4
152.5°	115.9	97.3	91.2	81.1	70.3	61.0	54.9	50.2	48.7	47.9	47.9
155°	108.2	92.7	85.0	75.7	64.9	57.2	53.3	51.0	49.4	48.7	48.7
157.5°	94.3	85.8	75.7	68.8	61.0	55.6	53.3	51.8	50.2	49.4	49.4
160°	84.2	78.0	68.8	63.4	57.9	55.6	55.6	54.9	52.5	51.8	51.8
162.5°	75.7	73.4	64.9	60.3	57.9	58.7	62.6	61.8	57.9	54.9	54.1
165°	70.3	68.0	61.8	59.5	57.9	61.0	68.8	67.2	61.0	57.2	57.2
167.5°	67.2	65.7	61.0	58.7	59.5	65.7	72.6	73.4	68.0	62.6	61.8
170°	61.8	61.8	61.0	61.8	61.8	64.9	68.8	71.1	71.1	72.6	71.9
172.5°	61.0	61.8	64.1	64.1	63.4	64.1	67.2	71.1	73.4	75.7	76.5
175°	62.6	63.4	64.9	65.7	65.7	67.2	71.9	74.9	76.5	75.7	75.7
177.5°	57.9	58.7	59.5	62.6	64.1	65.7	70.3	71.9	73.4	74.9	74.9
180°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5

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

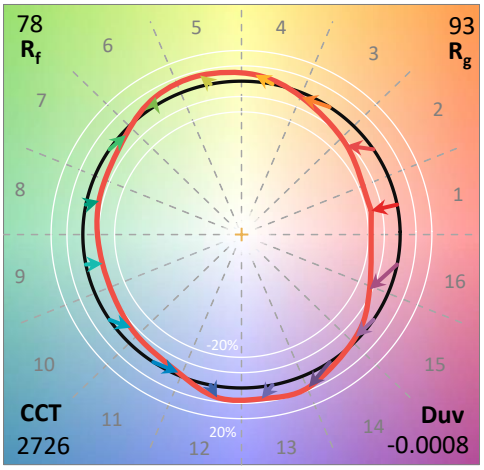
Test Information

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

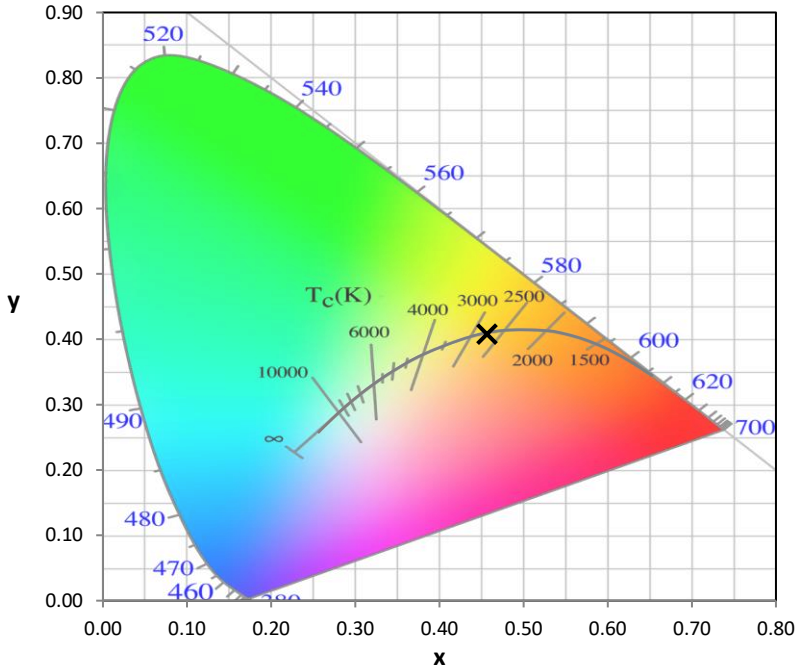
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

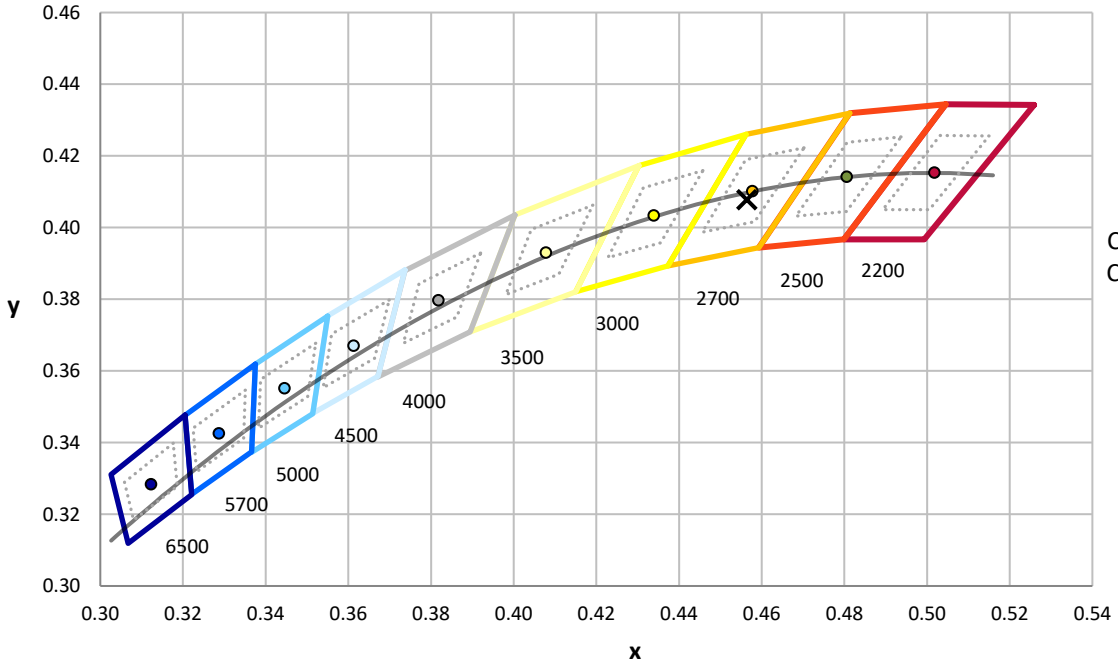
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

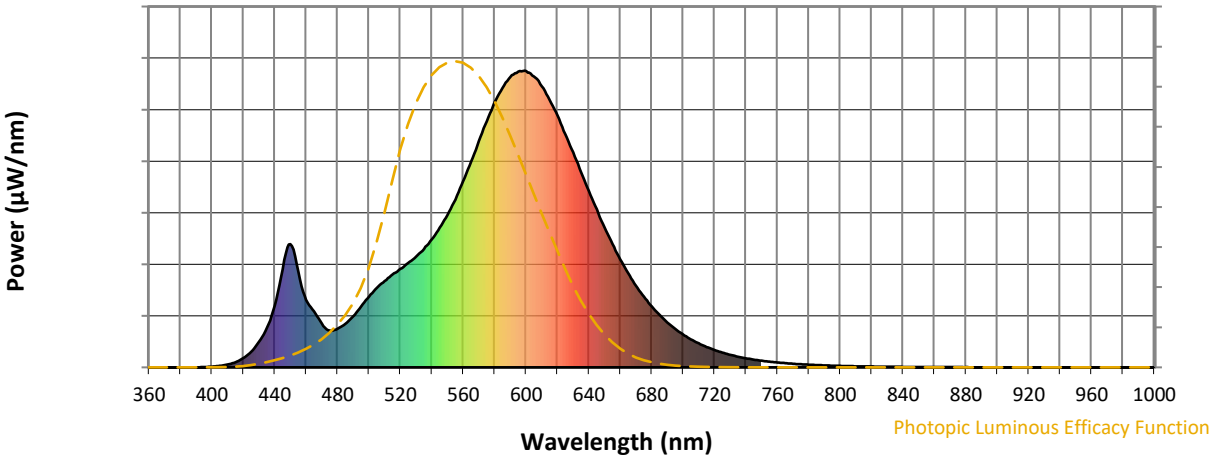


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

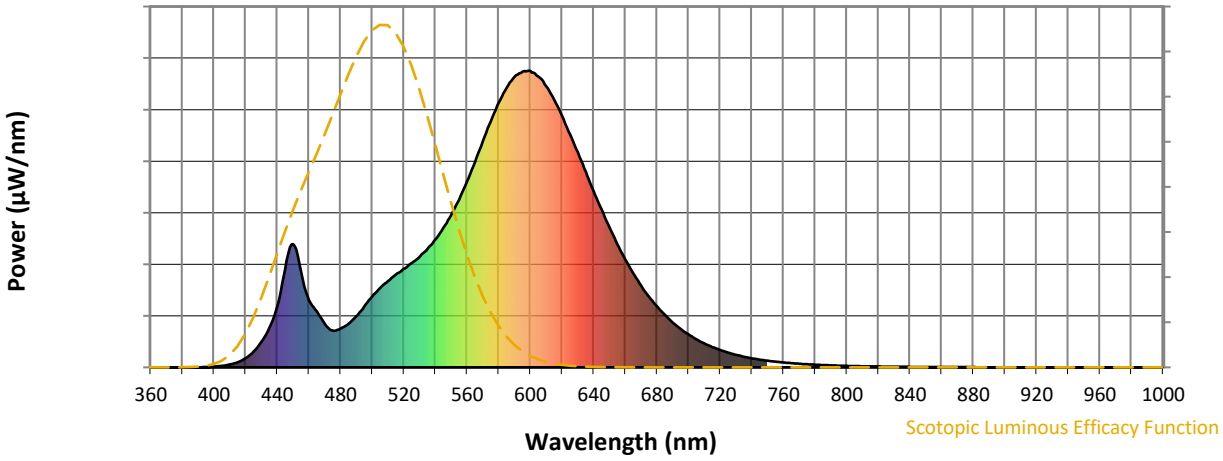


Photopic Lumens: NR

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

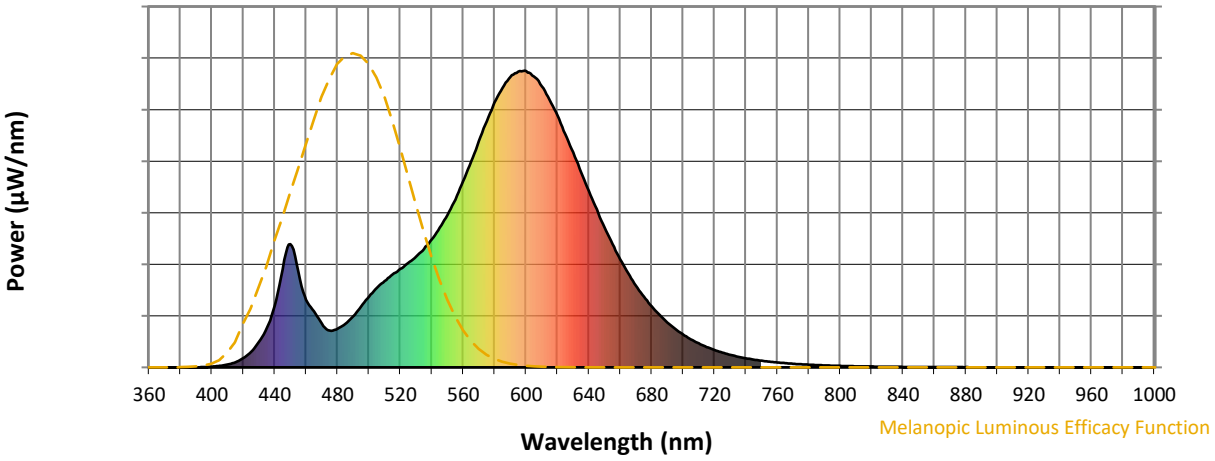


Scotopic Lumens: NR **S/P: 1.16**

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			

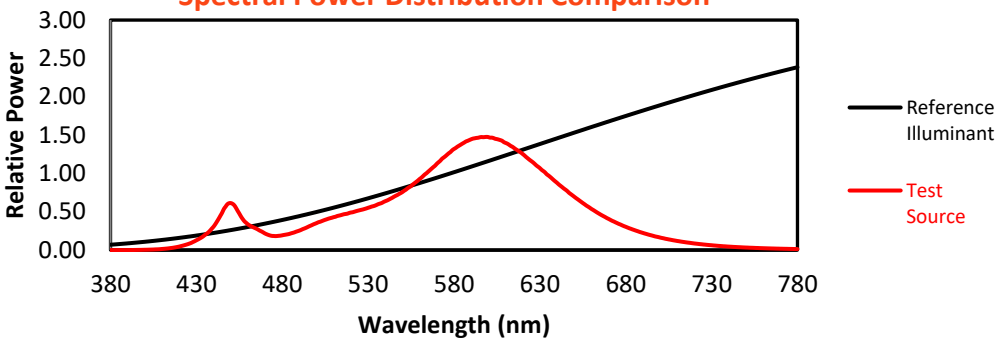
REPORT NUMBER: SP1-2501-332-3

TM-30-18

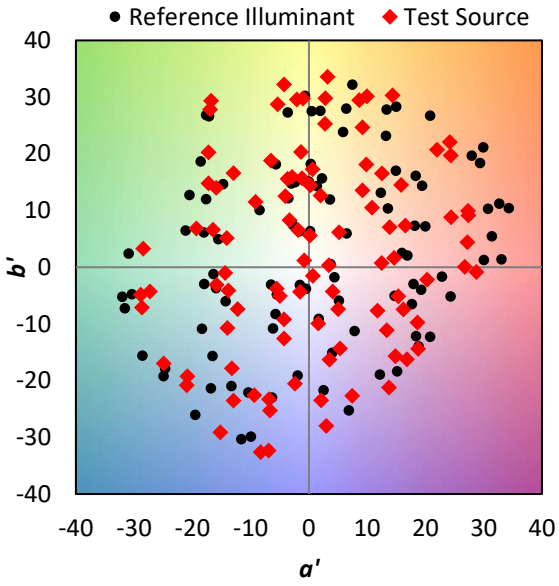
Summary

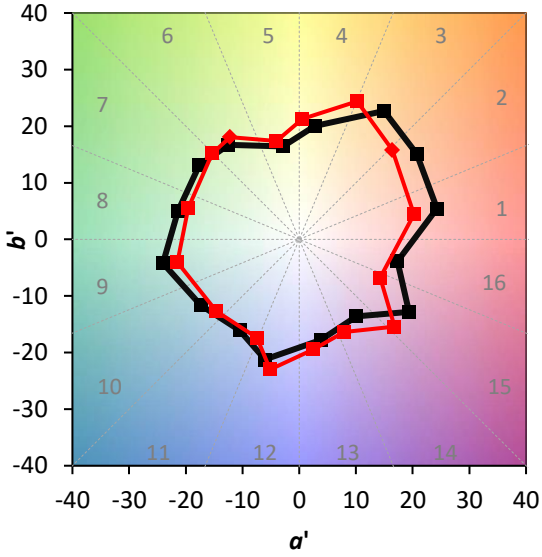
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

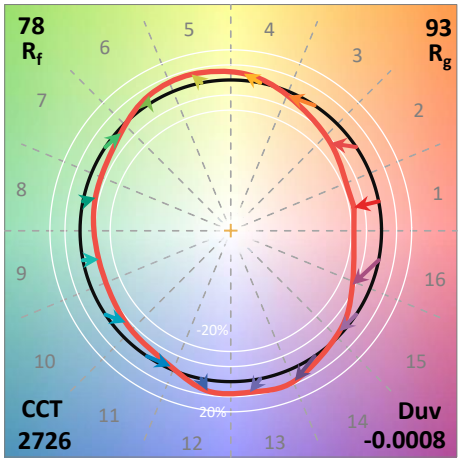
Spectral Power Distribution Comparison

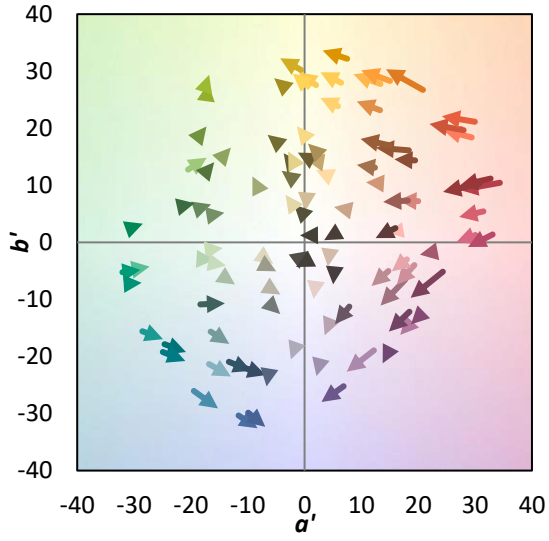


Color Vector Graphics







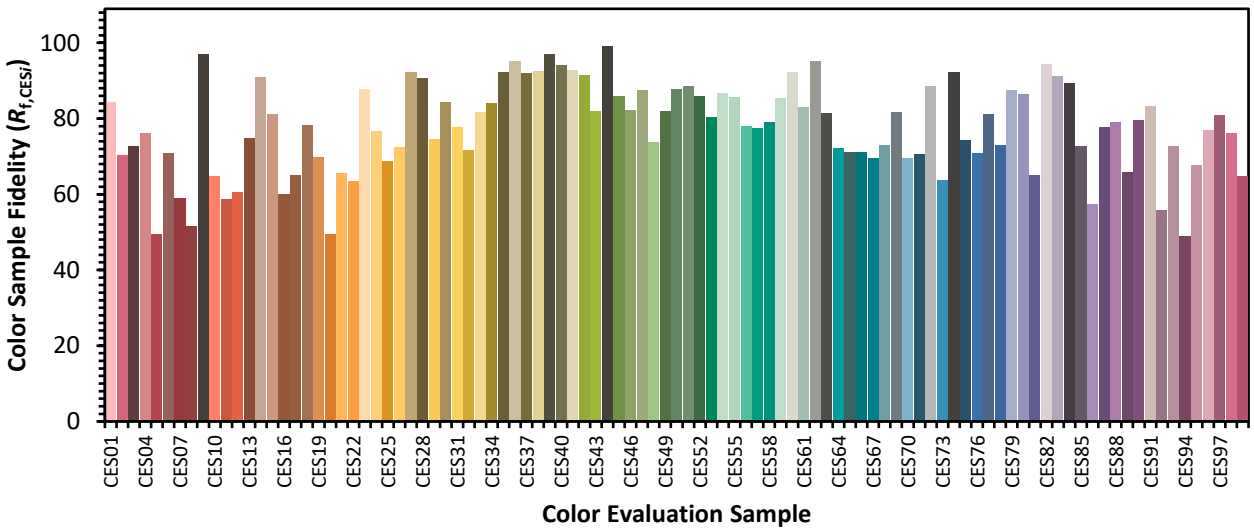


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

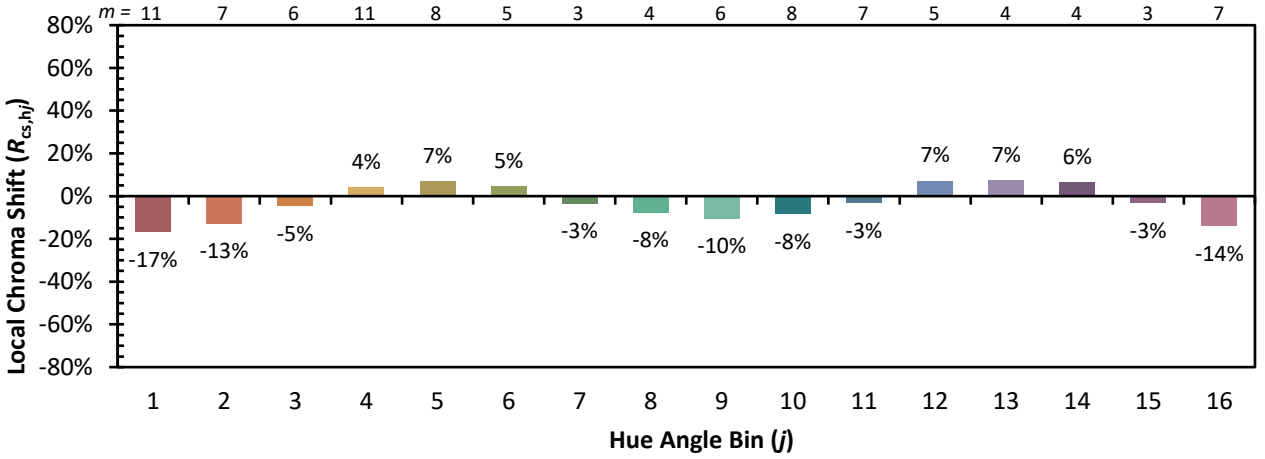
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

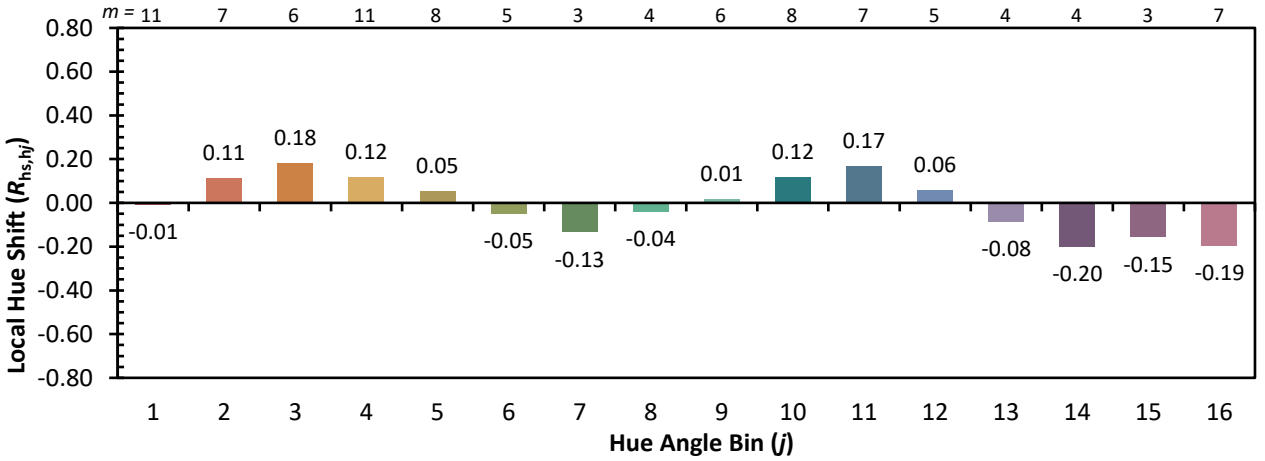


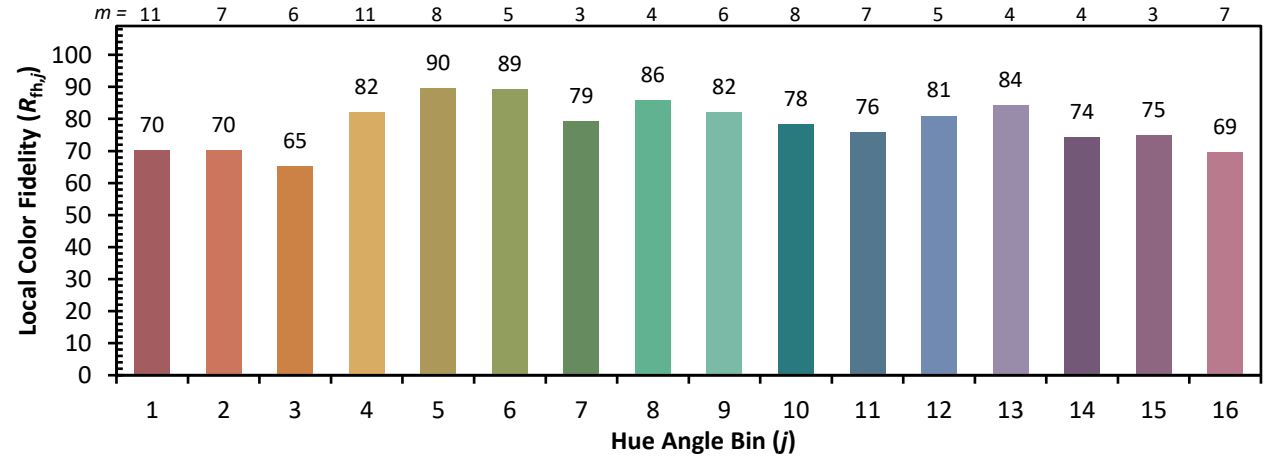
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Color Rendition by Hue-Angle Bin



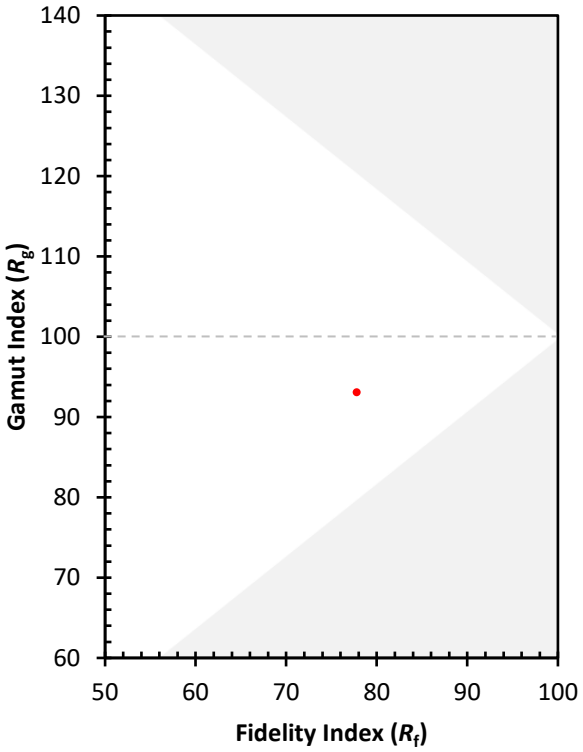


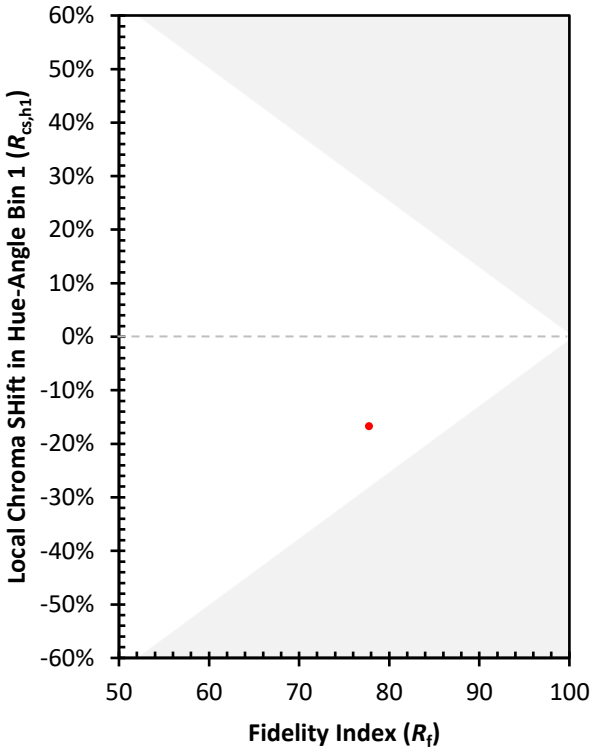


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Measure Comparisons





(END OF REPORT)