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: P1045835

Luminaire Tested: **FFX-CLB-60-727-U-VM8-T5-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:	P1045835
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-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6119.2 lumens
Efficiency:	N/A
Efficacy:	101.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

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

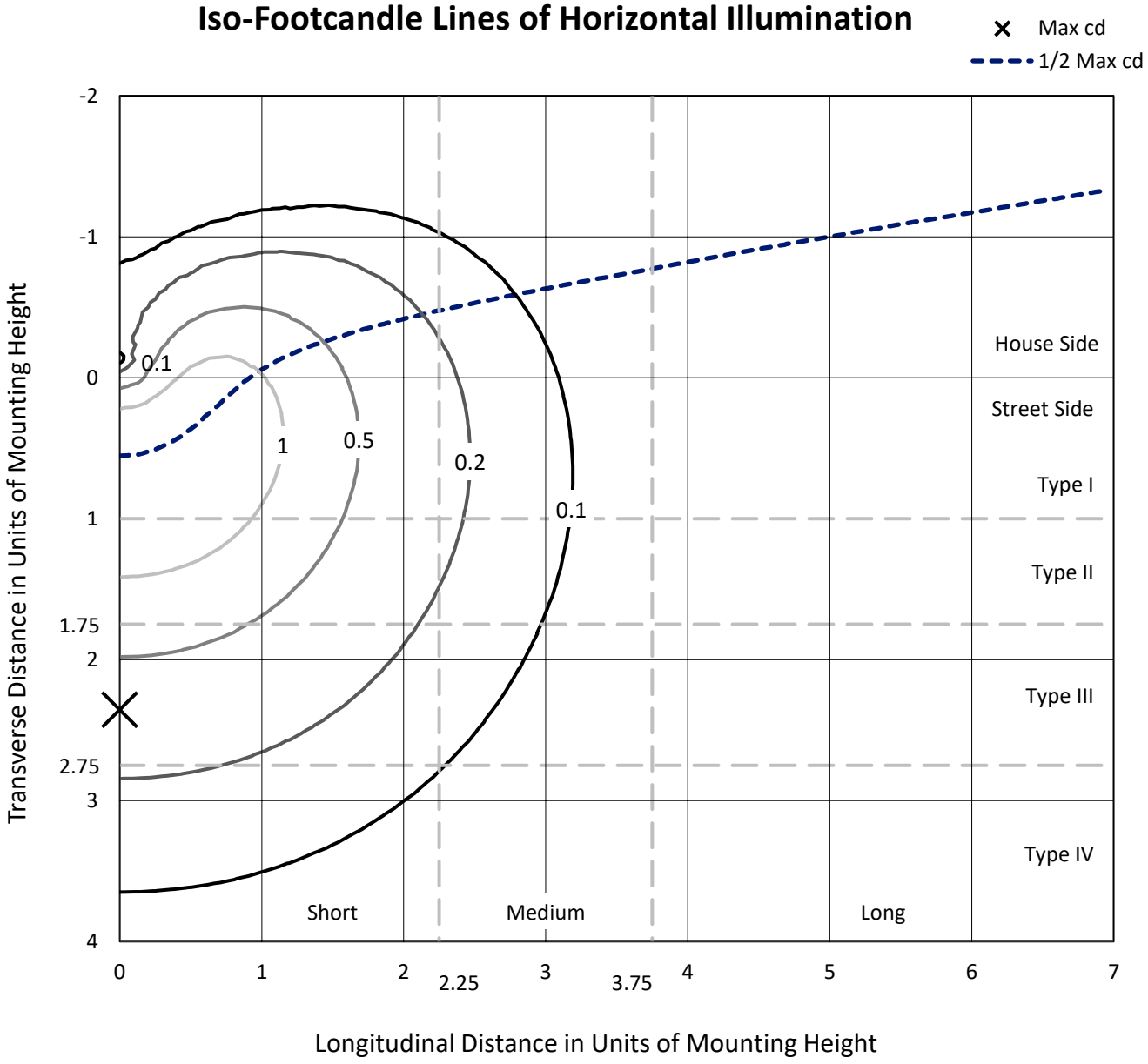


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Iso-Footcandle Lines of Horizontal Illumination



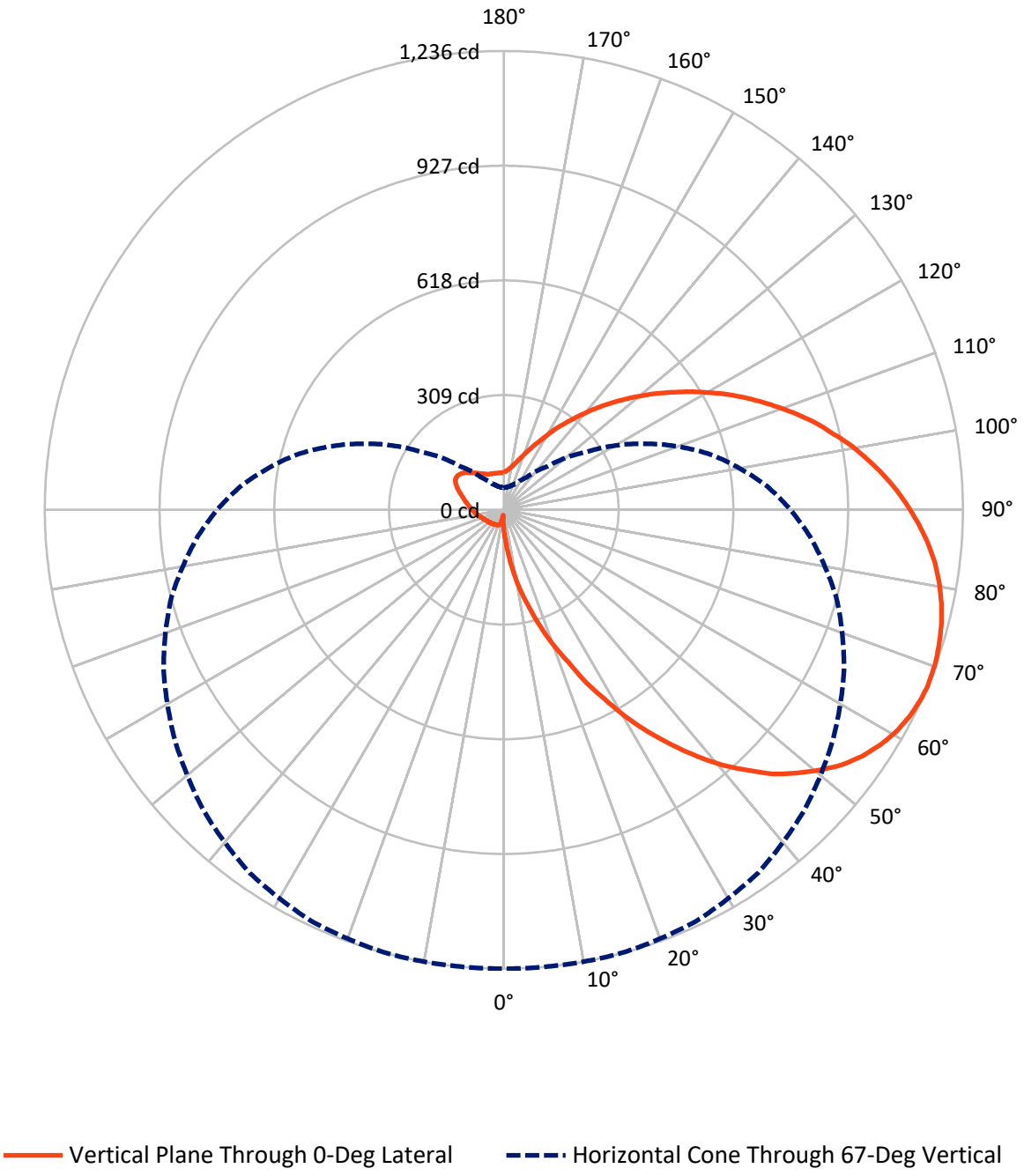
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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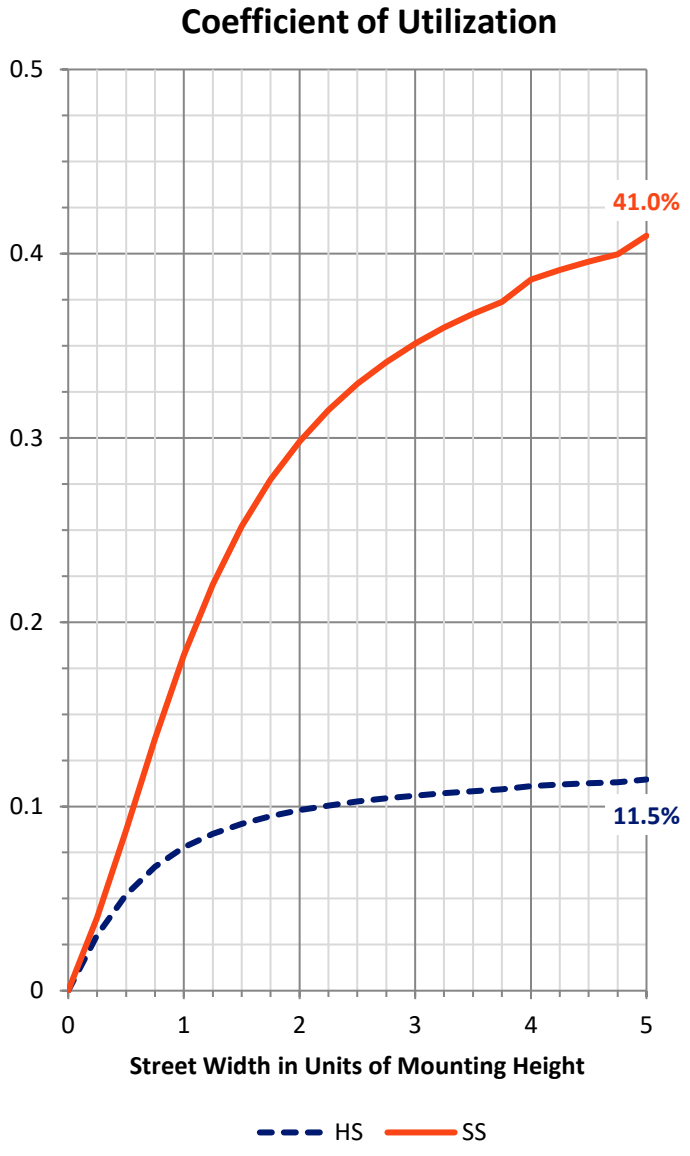
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.8	721.9	1479.7
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	2857.2	1782.3	4639.5
	% Fixture	46.7	29.1	75.8
Total	Lumens	3615.0	2504.2	6119.2
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	50.9	0.8
20°-30°	142.0	2.3
30°-40°	284.1	4.6
40°-50°	446.4	7.3
50°-60°	587.0	9.6
60°-70°	677.8	11.1
70°-80°	715.3	11.7
80°-90°	703.5	11.5
90°-100°	645.7	10.6
100°-110°	558.4	9.1
110°-120°	458.3	7.5
120°-130°	349.5	5.7
130°-140°	235.4	3.8
140°-150°	139.5	2.3
150°-160°	73.4	1.2
160°-170°	34.2	0.6
170°-180°	9.9	0.2
0°-90°	3615.0	59.1
0°-180°	6119.2	100.0



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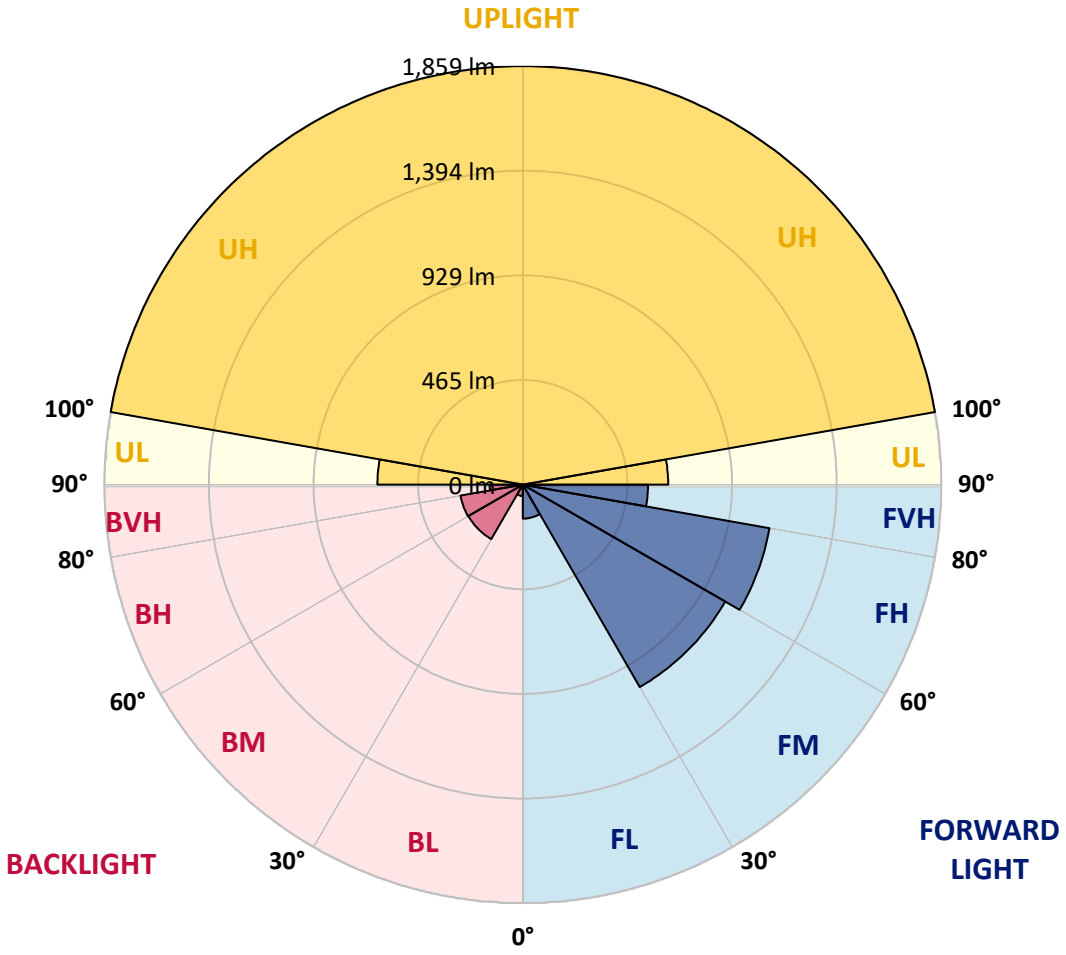
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	151.0	2.5			
FM	(30°-60°)	1038.2	17.0			
FH	(60°-80°)	1112.2	18.2			G1/1800
FVH	(80°-90°)	555.9	9.1			G4/750
BL	(0°-30°)	49.9	0.8	B0/110		
BM	(30°-60°)	279.4	4.6	B1/1000		
BH	(60°-80°)	280.9	4.6	B1/500		G1/500
BVH	(80°-90°)	147.5	2.4			G2/225
UL	(90°-100°)	645.7	10.6		U4/1000	
UH	(100°-180°)	1858.6	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*59.6*	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	*79.0*	80.3	80.3	79.7	79.0	77.7	76.3	73.6	68.3	64.3	60.3
5°	*114.5*	114.5	115.2	114.5	111.8	109.1	103.1	98.4	89.7	83.0	75.7
7.5°	*155.3*	157.3	156.7	154.7	150.0	143.9	136.6	127.9	119.2	109.1	97.7
10°	*200.8*	200.2	200.2	197.5	192.1	184.1	176.1	166.0	153.3	140.6	125.9
12.5°	*243.7*	245.7	244.4	241.0	234.3	228.3	218.3	206.9	192.1	178.8	158.7
15°	*289.9*	291.2	291.2	289.2	283.2	274.5	263.1	252.4	233.0	214.2	194.8
17.5°	*342.8*	340.8	338.1	338.1	330.7	323.4	312.0	297.3	275.8	255.1	229.0
20°	*395.7*	395.0	391.7	389.6	385.0	374.2	359.5	342.8	321.4	297.9	267.1
22.5°	*445.2*	451.9	451.2	447.9	441.9	431.2	415.1	395.0	372.9	343.5	308.0
25°	*515.5*	511.5	512.2	508.8	503.5	490.7	474.7	451.2	424.5	391.7	351.5
27.5°	*576.4*	575.1	575.1	573.1	565.7	552.3	533.6	511.5	480.7	441.9	397.0
30°	*646.7*	643.4	642.0	640.0	632.7	617.9	598.5	571.1	537.6	498.1	445.2
32.5°	*713.0*	710.3	705.7	705.0	699.6	684.2	662.1	634.0	595.9	549.7	491.4
35°	*776.6*	778.0	775.9	772.6	765.2	750.5	729.1	694.9	657.4	603.9	541.0
37.5°	*840.9*	840.2	841.6	838.9	827.5	813.4	788.0	751.8	709.0	650.8	584.5
40°	*903.8*	900.5	899.8	897.1	889.1	875.0	846.2	809.4	761.2	701.0	626.0
42.5°	*958.1*	959.4	958.1	955.4	944.7	928.6	898.5	857.6	806.7	741.8	664.8
45°	*1015.0*	1012.9	1012.3	1012.3	998.2	981.5	948.7	906.5	849.6	780.0	698.3
47.5°	*1059.8*	1062.5	1061.2	1057.8	1048.4	1027.7	992.9	946.7	887.1	815.4	728.4
50°	*1102.0*	1105.3	1106.0	1102.7	1091.3	1068.5	1032.4	980.8	920.6	844.9	754.5
52.5°	*1140.8*	1140.2	1142.2	1140.2	1129.4	1106.0	1064.5	1012.3	947.3	869.7	774.6
55°	*1171.0*	1171.0	1172.3	1169.6	1159.6	1133.5	1090.6	1035.0	968.8	889.1	792.0
57.5°	*1195.1*	1196.4	1195.7	1195.1	1183.7	1156.2	1110.7	1053.1	986.2	903.2	804.7
60°	*1213.8*	1214.5	1214.5	1213.1	1201.7	1173.0	1126.8	1067.2	997.6	915.2	814.8
62.5°	*1225.8*	1226.5	1226.5	1225.2	1213.8	1184.3	1137.5	1075.9	1005.6	922.6	821.5
65°	*1233.2*	1233.9	1233.9	1232.5	1221.2	1191.0	1142.8	1080.6	1009.6	926.6	825.5
67°	*1235.9*	*1235.9*	*1235.9*	*1235.2*	*1223.2*	*1193.7*	*1144.2*	*1081.2*	*1010.9*	*927.9*	*827.5*
67.5°	*1235.2*	1235.2	1235.9	1234.6	1223.2	1193.0	1143.5	1081.2	1010.3	927.9	827.5
70°	*1233.2*	1233.2	1233.2	1231.9	1220.5	1190.4	1140.8	1077.9	1008.3	926.6	826.8
72.5°	*1225.8*	1226.5	1226.5	1225.2	1213.8	1184.3	1134.8	1071.9	1002.9	922.6	824.8
75°	*1217.1*	1217.1	1217.1	1215.8	1204.4	1175.0	1126.1	1063.8	996.2	917.2	820.8
77.5°	*1204.4*	1204.4	1204.4	1203.1	1191.7	1162.9	1114.7	1053.8	987.5	909.8	816.1
80°	*1188.4*	1189.0	1188.4	1187.0	1175.6	1146.8	1100.7	1041.1	976.1	901.1	809.4
82.5°	*1169.6*	1170.3	1169.6	1166.9	1156.2	1128.8	1082.6	1024.3	962.7	889.8	801.4
85°	*1145.5*	1144.8	1145.5	1141.5	1132.1	1104.7	1062.5	1005.6	946.0	876.4	790.0
87.5°	*1118.1*	1118.7	1117.4	1115.4	1104.0	1077.2	1037.1	984.2	926.6	860.3	776.6
90°	*1087.9*	1087.9	1087.3	1084.6	1072.5	1048.4	1010.3	959.4	905.8	842.2	762.6
92.5°	*1057.1*	1056.5	1054.5	1053.1	1042.4	1017.6	980.8	935.3	885.1	824.2	747.8
95°	*1023.0*	1023.0	1021.7	1019.0	1006.9	986.8	951.4	908.5	861.0	804.7	732.4
97.5°	*986.8*	986.2	985.5	981.5	970.8	950.7	921.9	880.4	836.9	784.0	715.0
100°	*951.4*	949.3	948.0	944.0	934.6	915.2	887.8	851.6	809.4	761.2	696.3
102.5°	*909.8*	909.8	909.2	905.2	893.1	877.0	852.3	820.1	784.0	737.8	676.2
105°	*873.0*	869.7	868.3	864.3	854.9	837.5	816.8	788.7	755.2	712.3	656.1
107.5°	*831.5*	828.8	828.2	822.1	814.8	798.7	781.3	755.2	727.1	688.9	635.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*789.3*	788.0	787.3	781.3	771.9	761.2	743.1	722.4	697.6	662.8	615.9
112.5°	*747.8*	746.5	746.5	741.8	733.1	719.7	707.0	688.9	666.8	636.7	593.2
115°	*707.0*	705.0	704.3	699.0	690.3	680.2	667.5	654.8	636.0	610.6	571.1
117.5°	*666.1*	663.5	664.1	659.5	652.8	642.7	630.7	622.0	605.9	582.5	549.0
120°	*624.0*	624.6	624.6	618.6	612.6	604.6	594.5	585.8	575.1	554.3	523.5
122.5°	*583.8*	585.1	585.1	581.1	573.8	566.4	559.7	551.7	542.3	526.2	498.8
125°	*543.6*	546.3	545.0	541.6	535.6	527.6	522.9	516.2	508.8	495.4	471.3
127.5°	*506.8*	506.8	503.5	504.1	498.1	491.4	487.4	482.7	475.3	462.6	443.2
130°	*468.6*	469.3	470.0	466.0	460.6	455.3	451.2	449.2	443.2	432.5	413.1
132.5°	*433.8*	433.8	432.5	429.8	425.1	421.1	421.1	415.1	410.4	400.4	383.6
135°	*399.7*	399.0	399.0	396.3	393.0	391.0	386.3	383.6	378.9	369.6	356.8
137.5°	*366.2*	367.6	366.2	364.2	360.9	358.2	354.8	354.2	347.5	340.8	326.7
140°	*334.1*	336.1	334.1	333.4	330.7	327.4	325.4	322.7	320.7	312.0	299.9
142.5°	*304.0*	305.3	304.0	303.3	301.3	298.6	297.3	295.2	290.6	285.2	275.2
145°	*277.8*	277.2	277.2	276.5	273.8	271.8	269.8	268.5	265.8	260.4	249.1
147.5°	*252.4*	250.4	251.7	250.4	248.4	247.0	246.4	243.7	241.0	235.7	227.6
150°	*226.3*	227.6	227.0	226.3	224.3	224.3	222.3	220.3	218.3	212.2	206.9
152.5°	*204.9*	204.9	205.5	204.2	203.5	201.5	200.2	199.5	196.8	192.8	186.8
155°	*186.8*	186.1	186.1	186.1	184.8	182.8	182.1	180.8	179.4	174.7	169.4
157.5°	*169.4*	169.4	169.4	168.7	168.7	166.7	166.0	164.0	162.0	159.3	154.7
160°	*154.7*	154.7	154.0	154.0	153.3	152.6	151.3	149.3	148.0	146.0	141.9
162.5°	*142.6*	141.9	141.9	141.3	140.6	139.3	138.6	137.9	135.9	133.9	130.6
165°	*131.2*	131.2	131.2	130.6	129.9	129.2	128.5	127.2	125.9	124.5	122.5
167.5°	*122.5*	122.5	122.5	121.8	121.8	121.2	120.5	119.2	117.8	116.5	115.2
170°	*115.8*	115.8	115.8	115.2	114.5	113.8	113.1	112.5	111.8	110.5	109.8
172.5°	*110.5*	110.5	110.5	110.5	109.1	108.5	107.8	107.8	107.1	106.5	105.8
175°	*105.8*	105.8	105.8	105.8	105.1	104.4	103.8	103.8	103.1	102.4	101.8
177.5°	*103.1*	103.1	103.1	102.4	102.4	101.8	101.1	101.1	100.4	100.4	99.8
180°	*99.8*	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	57.6	54.9	50.2	46.2	42.8	39.5	37.5	35.5	35.5	36.2	34.8
5°	69.6	64.9	56.2	46.9	38.8	32.1	26.8	22.1	18.1	16.1	16.1
7.5°	92.4	87.0	75.0	62.9	51.6	40.8	32.1	24.8	18.7	15.4	14.7
10°	118.5	112.5	95.7	81.0	66.9	53.6	42.2	32.1	25.4	22.1	21.4
12.5°	148.6	140.6	120.5	101.8	83.7	66.9	52.9	41.5	34.8	31.5	30.8
15°	183.4	170.7	148.0	124.5	101.1	80.3	63.6	50.9	43.5	38.8	38.8
17.5°	214.9	201.5	174.1	143.9	117.2	93.1	73.0	57.6	47.5	42.8	42.2
20°	251.1	233.0	200.2	165.4	132.6	103.1	79.0	61.6	49.5	43.5	43.5
22.5°	287.9	269.1	229.0	186.8	147.3	112.5	85.0	64.3	50.9	44.2	43.5
25°	331.4	306.0	257.8	210.2	164.0	122.5	90.4	66.9	52.2	45.5	44.2
27.5°	373.6	347.5	291.2	233.7	179.4	132.6	95.1	69.6	53.6	46.2	45.5
30°	417.8	385.6	322.0	257.8	195.5	141.3	99.8	71.6	54.2	46.9	45.5
32.5°	462.0	426.5	356.2	281.2	210.9	149.3	103.8	73.0	55.6	47.5	46.2
35°	506.8	468.6	389.0	304.6	225.0	156.7	106.5	74.3	56.2	47.5	46.9
37.5°	545.6	505.5	419.8	326.0	237.0	162.7	109.1	75.7	56.2	48.2	47.5
40°	584.5	541.0	446.6	344.1	247.7	167.4	111.1	76.3	56.9	48.9	48.2
42.5°	619.3	571.1	470.0	360.2	256.4	170.7	111.8	76.3	57.6	49.5	48.9
45°	650.8	601.9	492.1	375.6	263.8	172.7	112.5	77.0	58.2	50.2	49.5
47.5°	679.5	627.3	512.2	388.3	269.8	174.7	112.5	77.0	58.9	51.6	50.2
50°	703.6	648.7	528.9	399.0	273.8	175.4	111.8	77.0	59.6	52.2	51.6
52.5°	722.4	666.8	543.0	406.4	276.5	174.7	111.1	77.0	60.3	52.9	52.2
55°	738.5	681.5	553.0	412.4	277.2	173.4	110.5	77.0	60.9	54.2	53.6
57.5°	750.5	692.3	561.7	417.1	277.8	172.1	109.1	77.0	61.6	54.9	54.2
60°	759.9	701.6	568.4	419.8	277.2	170.1	108.5	77.0	62.3	56.2	55.6
62.5°	766.6	707.0	572.4	420.4	275.2	168.0	107.1	77.0	62.9	57.6	56.9
65°	770.6	711.0	575.8	421.1	273.2	166.0	106.5	77.7	64.3	59.6	58.9
67°	*771.9*	*713.0*	*576.4*	*421.1*	*271.8*	*164.7*	*106.5*	*78.3*	*65.6*	*60.3*	*59.6*
67.5°	772.6	713.0	576.4	420.4	271.1	164.7	106.5	78.3	65.6	60.9	60.3
70°	771.9	713.0	576.4	419.1	269.1	163.4	105.8	79.7	67.6	62.9	62.3
72.5°	770.6	711.7	575.1	417.1	266.5	162.0	106.5	81.0	69.6	64.9	64.3
75°	767.2	709.0	572.4	414.4	264.5	160.7	107.1	82.3	71.6	67.6	66.9
77.5°	763.9	705.7	570.4	411.7	262.4	160.7	107.8	84.4	74.3	70.3	69.6
80°	757.9	701.0	566.4	409.1	260.4	160.0	109.1	87.0	77.0	73.0	72.3
82.5°	750.5	694.3	561.0	405.0	258.4	160.0	111.1	89.0	79.7	75.7	75.0
85°	740.5	685.6	554.3	399.7	256.4	160.7	112.5	91.7	82.3	79.0	78.3
87.5°	729.1	674.9	546.3	395.0	254.4	160.7	114.5	94.4	85.0	81.7	81.7
90°	715.7	663.5	536.9	389.6	252.4	162.0	117.2	97.1	88.4	85.0	85.0
92.5°	703.6	651.4	529.6	384.3	251.1	163.4	119.8	100.4	91.7	88.4	88.4
95°	687.6	638.7	518.9	379.6	250.4	164.7	122.5	103.8	95.7	92.4	91.7
97.5°	672.2	624.6	509.5	374.2	249.7	167.4	125.9	107.8	99.1	95.7	95.7
100°	655.4	610.6	498.8	369.6	249.7	170.7	130.6	111.8	103.8	100.4	99.8
102.5°	639.4	595.2	488.1	364.9	251.1	174.1	135.2	116.5	108.5	105.1	104.4
105°	621.3	579.1	478.7	360.9	252.4	178.8	140.6	122.5	113.8	110.5	109.8
107.5°	603.2	564.4	468.0	357.5	255.1	184.8	147.3	128.5	119.8	115.8	115.2

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

Scaled Data Report

REPORT NUMBER: P1045835
CATALOG NUMBER: FFX-CLB-60-727-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	583.8	548.3	458.6	354.8	259.1	191.5	154.7	136.6	126.5	122.5	121.8
112.5°	565.7	532.3	448.6	352.8	263.1	199.5	163.4	143.9	134.6	129.2	128.5
115°	545.6	515.5	439.2	350.8	267.8	207.5	172.7	152.0	141.9	136.6	136.6
117.5°	526.2	498.1	428.5	348.8	272.5	216.2	181.4	160.7	149.3	143.9	143.3
120°	503.5	479.4	417.1	344.8	275.2	222.9	188.8	168.0	155.3	150.0	149.3
122.5°	480.7	458.6	402.4	338.8	275.8	227.0	194.2	174.1	160.7	154.7	154.0
125°	454.6	435.8	387.0	329.4	273.8	229.0	197.5	176.1	162.7	156.0	155.3
127.5°	429.1	411.1	368.9	318.0	268.5	227.0	196.8	176.1	162.7	155.3	154.7
130°	401.7	385.6	347.5	304.0	259.8	222.3	194.2	173.4	160.0	152.6	152.0
132.5°	373.6	360.2	326.7	288.6	249.1	214.9	188.1	168.7	155.3	148.6	148.0
135°	346.1	334.1	305.3	271.1	237.7	206.2	181.4	162.7	149.3	143.3	143.3
137.5°	320.0	308.6	283.2	254.4	224.3	196.2	173.4	155.3	143.9	137.9	136.6
140°	293.2	283.9	261.8	236.3	210.2	185.5	164.7	148.0	137.2	131.9	131.2
142.5°	268.5	260.4	241.7	220.9	196.8	175.4	156.0	141.9	131.9	126.5	125.9
145°	245.0	237.7	221.6	202.9	183.4	164.7	147.3	134.6	125.9	121.8	121.2
147.5°	221.6	216.9	203.5	188.1	170.1	153.3	139.3	128.5	120.5	117.2	116.5
150°	202.2	196.2	186.1	172.1	158.0	143.9	131.9	122.5	116.5	113.1	113.1
152.5°	182.8	179.4	169.4	158.7	146.6	135.2	124.5	117.2	112.5	109.8	109.8
155°	168.0	163.4	154.7	146.0	135.9	126.5	119.2	113.1	109.1	107.1	106.5
157.5°	152.6	150.0	143.3	135.2	127.9	120.5	114.5	109.8	106.5	105.1	104.4
160°	139.9	137.9	132.6	126.5	120.5	115.2	110.5	107.1	104.4	103.1	103.1
162.5°	129.2	127.9	123.2	119.2	114.5	110.5	107.1	104.4	103.1	102.4	102.4
165°	121.2	119.8	116.5	113.1	110.5	107.1	105.1	103.1	101.8	101.8	101.8
167.5°	114.5	113.1	111.1	109.1	107.1	104.4	103.1	101.8	101.8	101.1	101.1
170°	109.1	108.5	106.5	105.1	103.8	102.4	101.8	101.1	100.4	100.4	100.4
172.5°	105.1	104.4	103.1	102.4	101.1	100.4	100.4	100.4	100.4	100.4	100.4
175°	101.8	101.1	101.1	100.4	99.8	99.8	99.1	99.8	99.8	99.8	99.8
177.5°	99.8	99.8	99.1	99.1	99.1	99.1	99.1	99.8	99.8	100.4	100.4
180°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

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

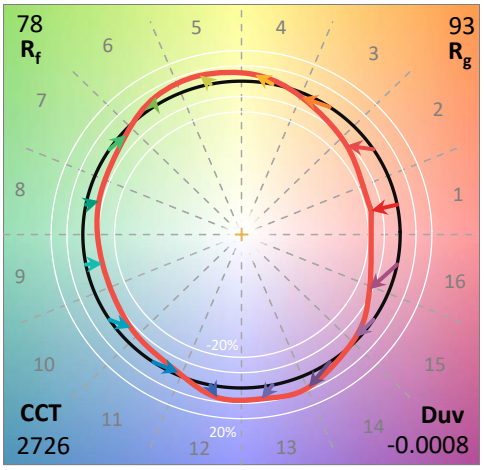
Test Information

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

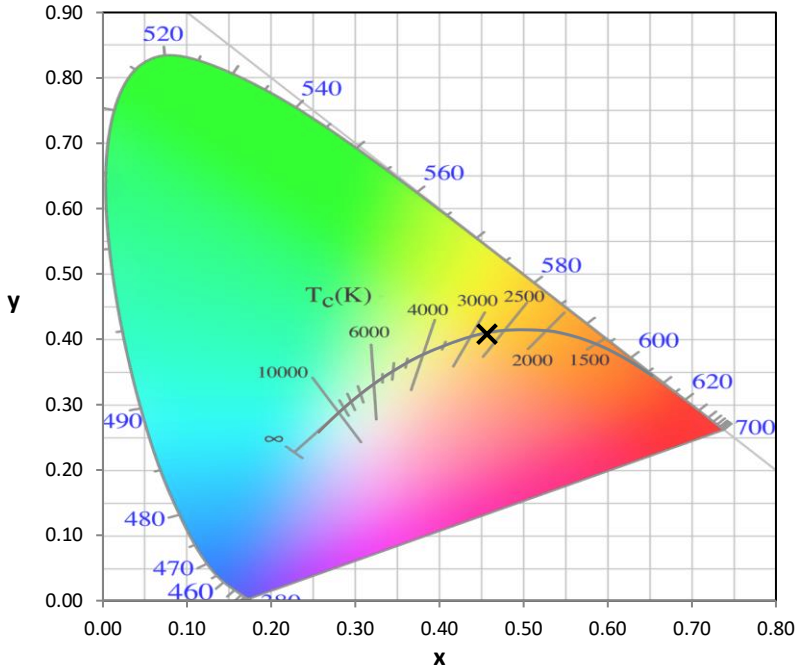
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

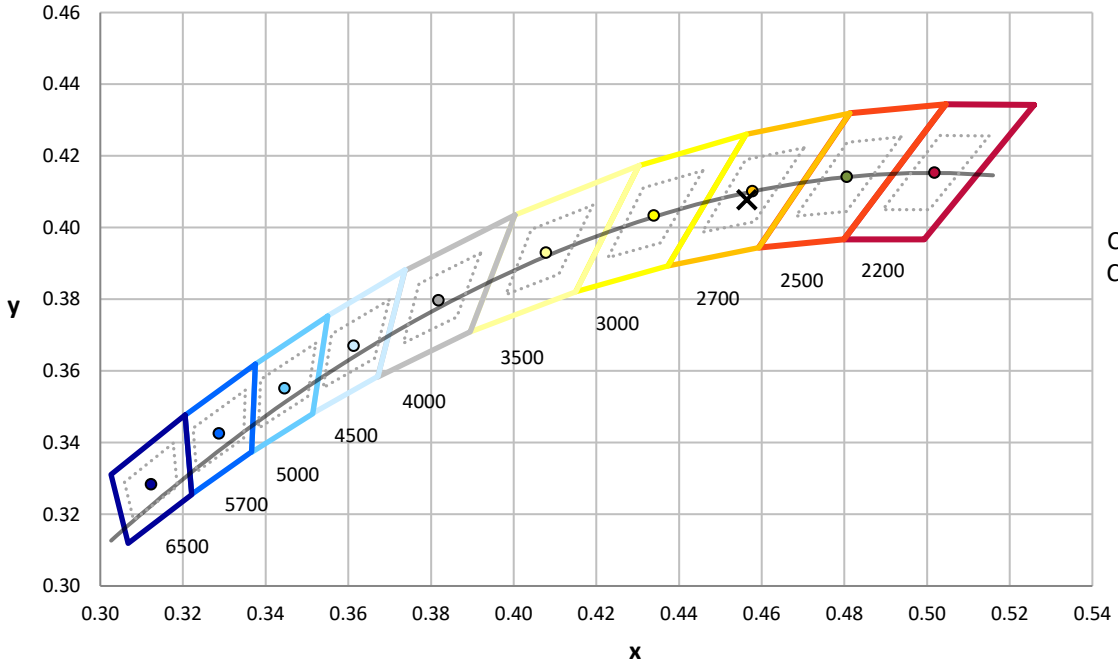
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

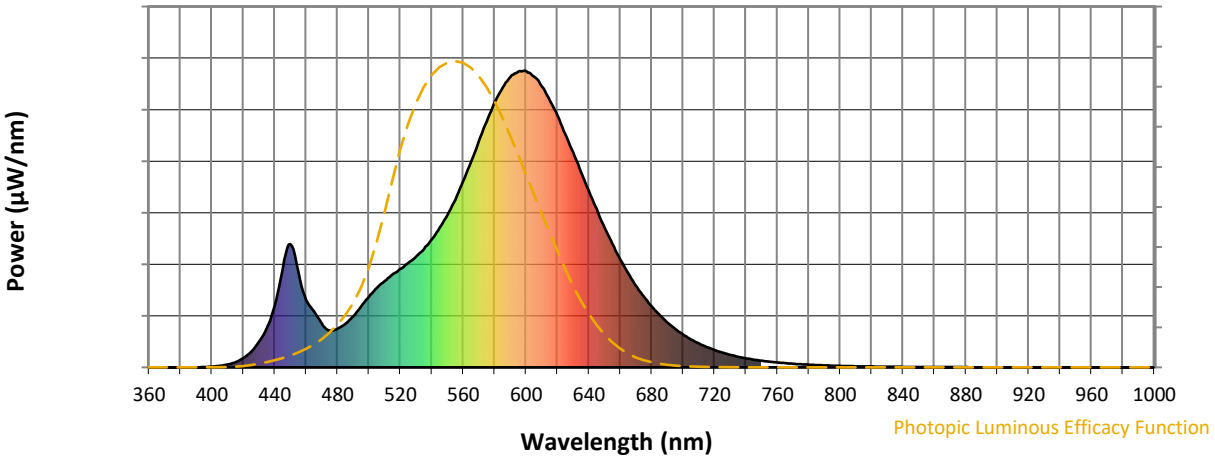


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

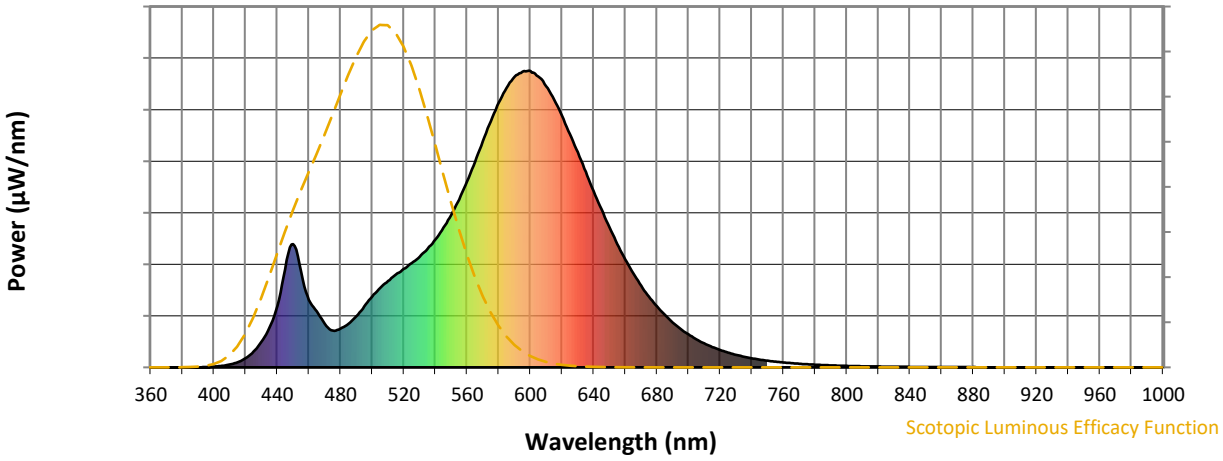


Photopic Lumens: NR

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

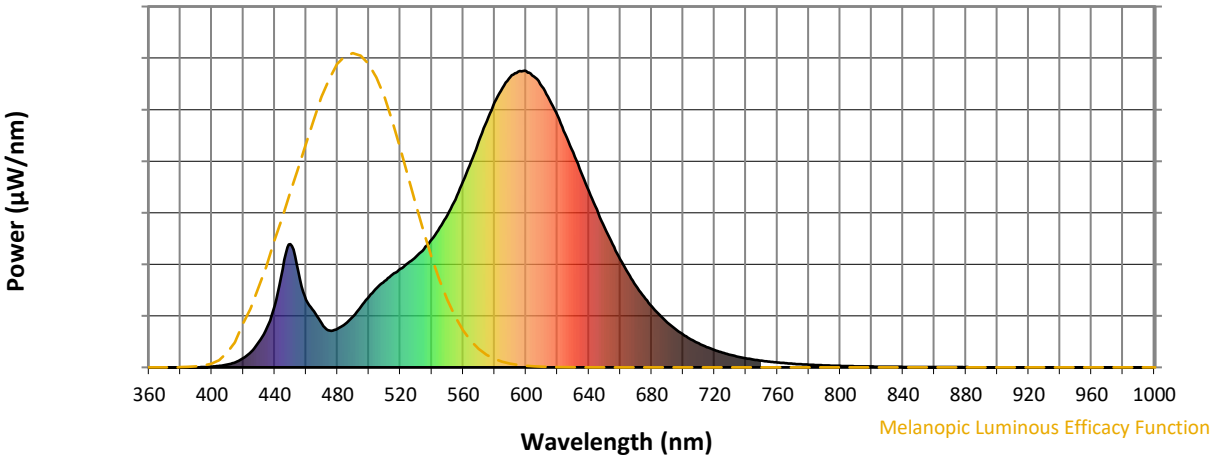


Scotopic Lumens: NR **S/P: 1.16**

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			

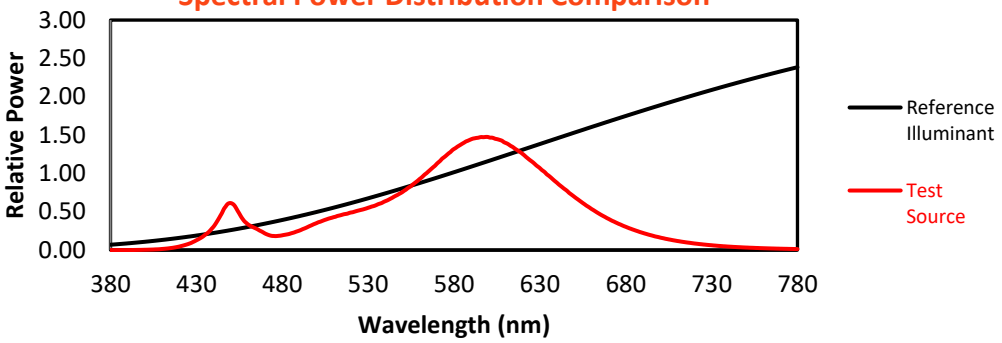
REPORT NUMBER: SP1-2501-332-3

TM-30-18

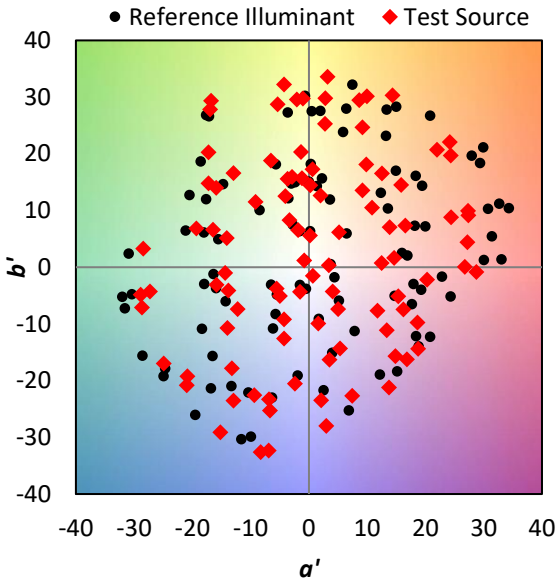
Summary

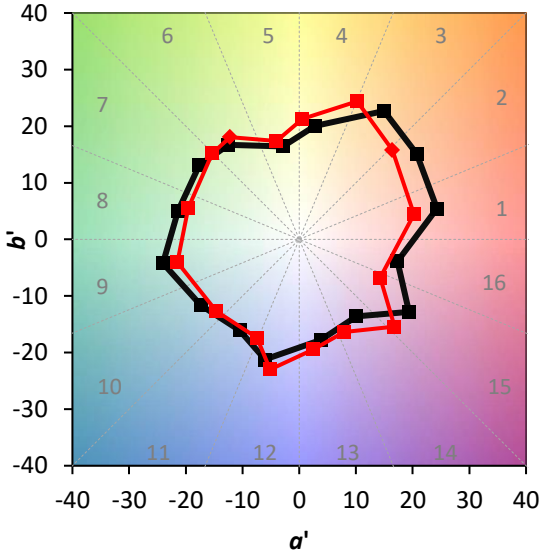
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

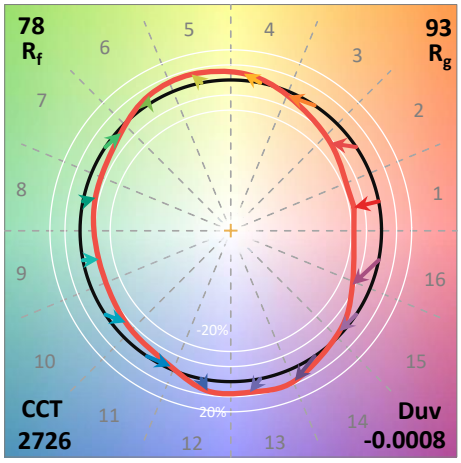
Spectral Power Distribution Comparison

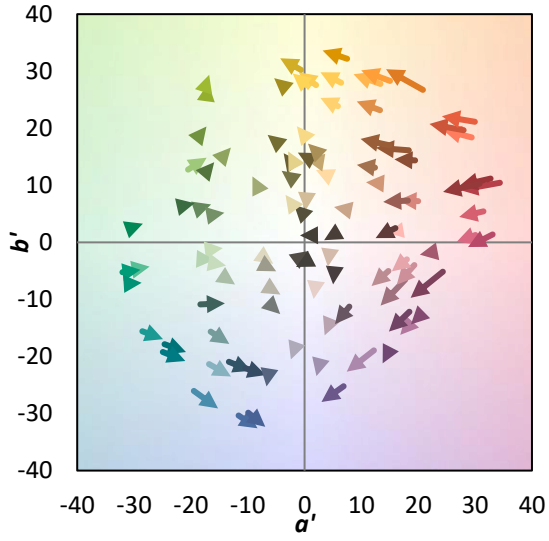


Color Vector Graphics







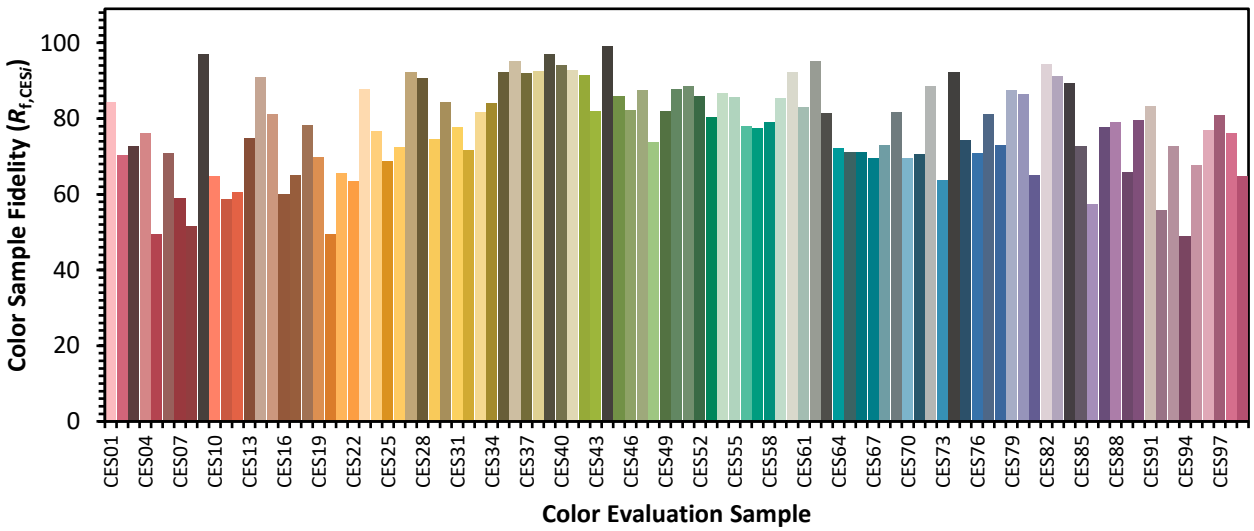


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

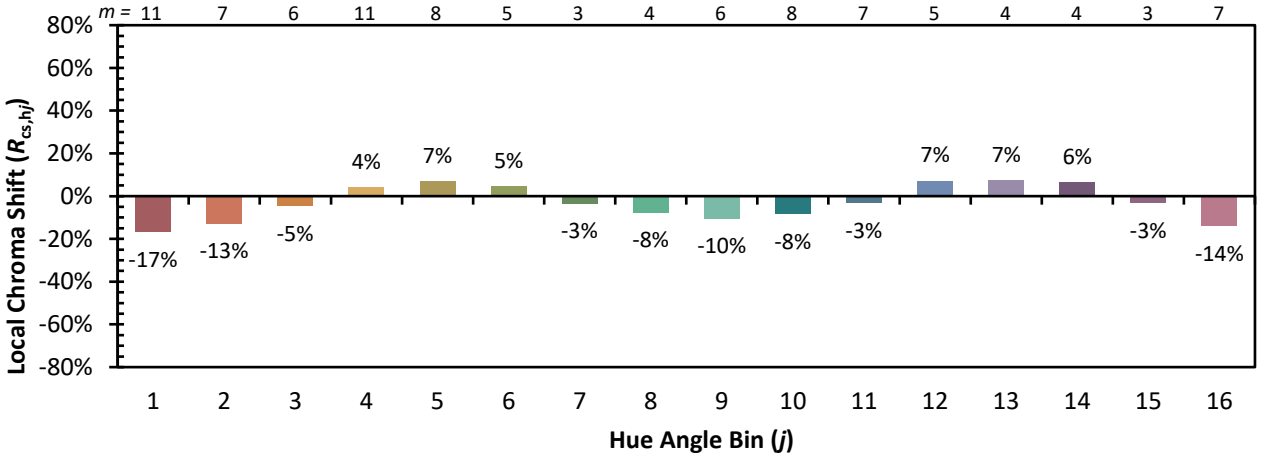
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

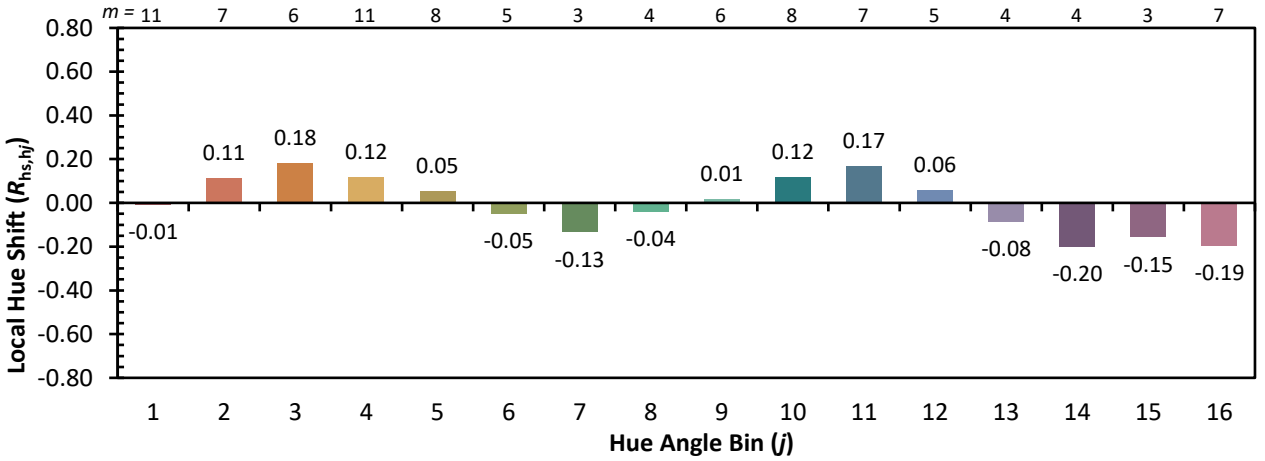


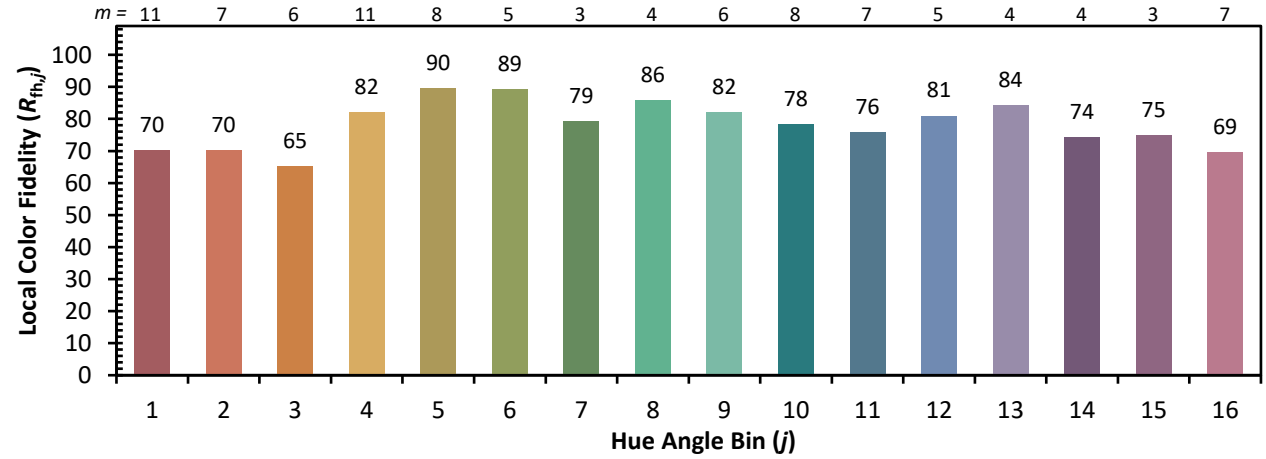
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Color Rendition by Hue-Angle Bin



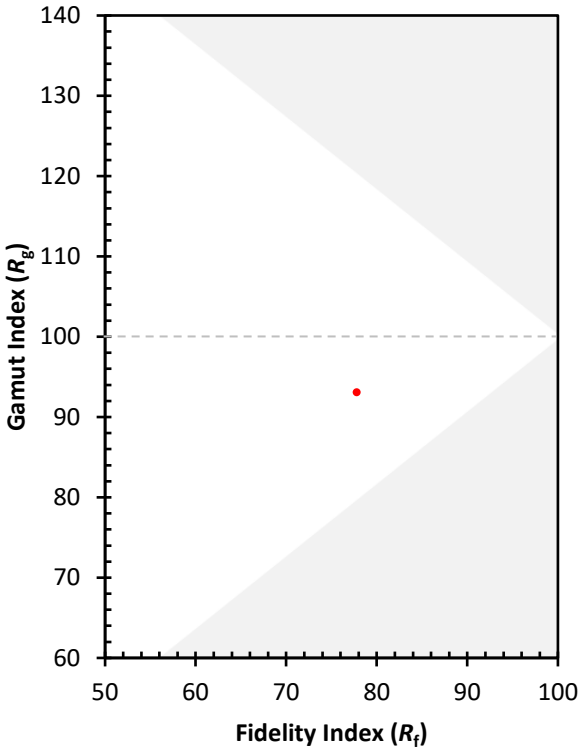


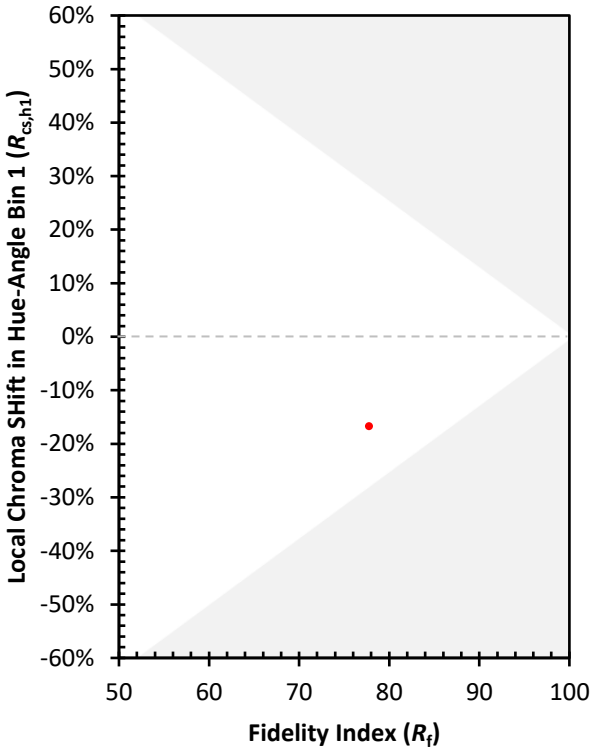


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Measure Comparisons





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