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: P1045980

Luminaire Tested: **FFX-CLB-50-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045980
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5485.9 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

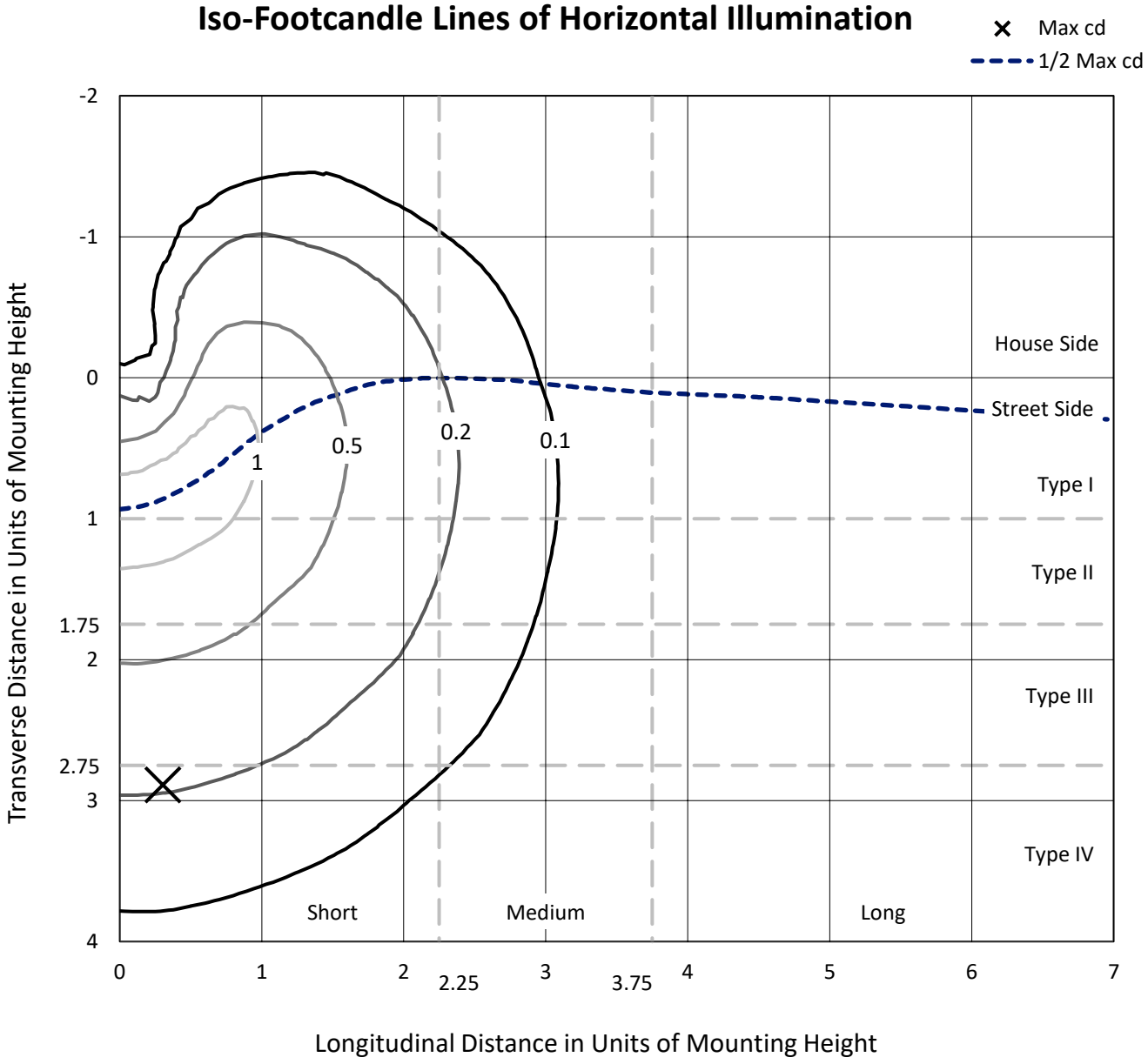


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Iso-Footcandle Lines of Horizontal Illumination



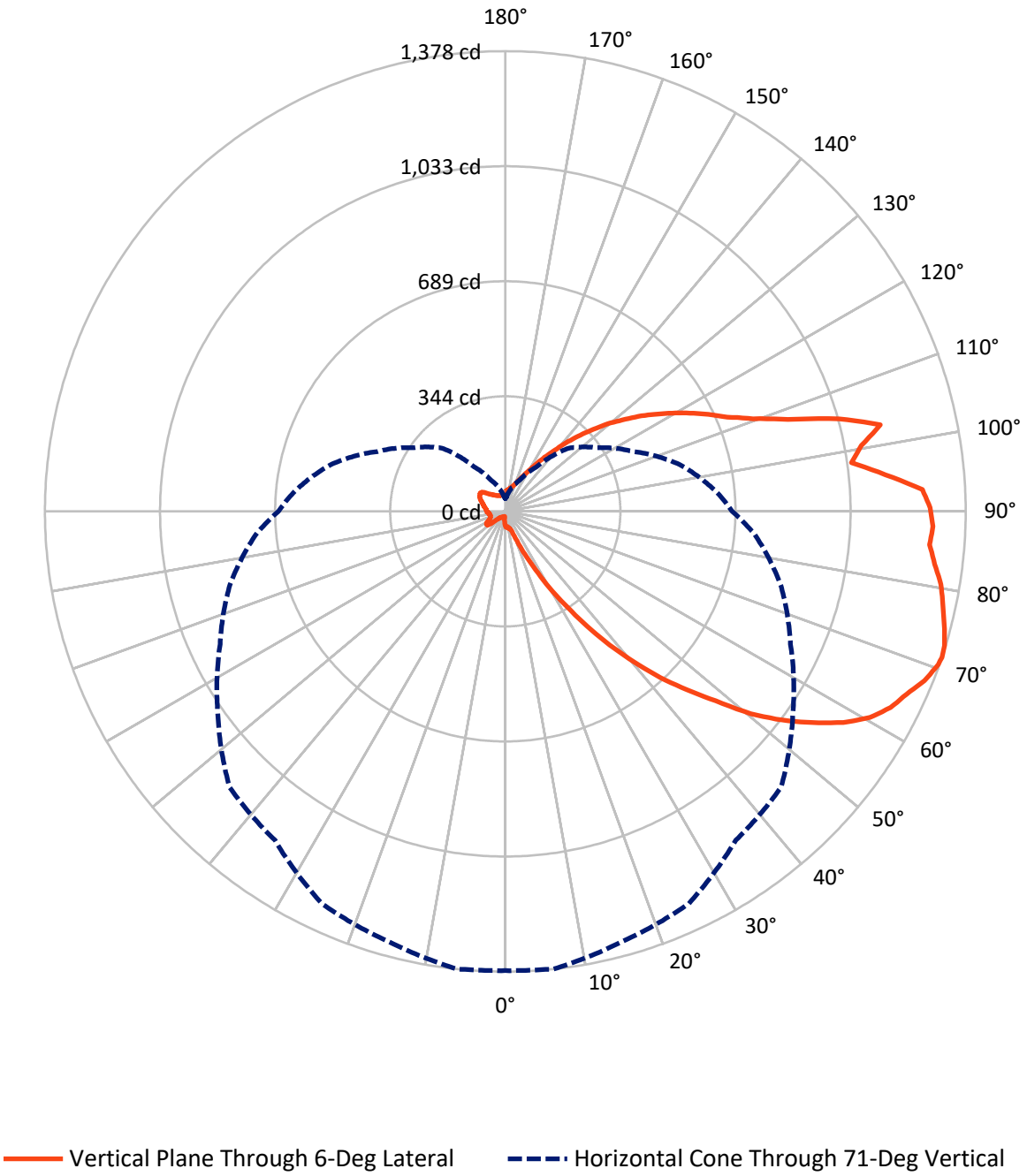
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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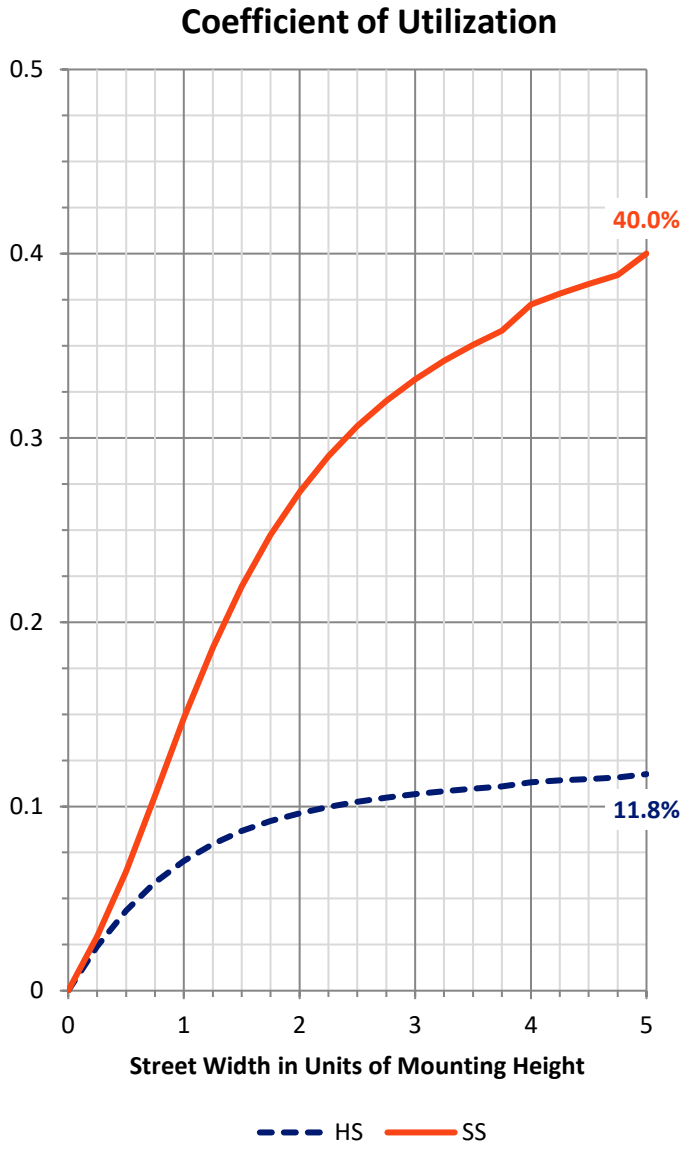
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	704.4	558.6	1263.1
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2569.7	1653.1	4222.8
	% Fixture	46.8	30.1	77.0
Total	Lumens	3274.1	2211.7	5485.9
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	11.5	0.2
20°-30°	52.1	0.9
30°-40°	174.2	3.2
40°-50°	354.9	6.5
50°-60°	546.1	10.0
60°-70°	679.6	12.4
70°-80°	726.8	13.2
80°-90°	725.5	13.2
90°-100°	655.6	12.0
100°-110°	573.5	10.5
110°-120°	390.9	7.1
120°-130°	276.1	5.0
130°-140°	167.4	3.1
140°-150°	84.8	1.5
150°-160°	39.6	0.7
160°-170°	18.1	0.3
170°-180°	5.6	0.1
0°-90°	3274.1	59.7
0°-180°	5485.9	100.0



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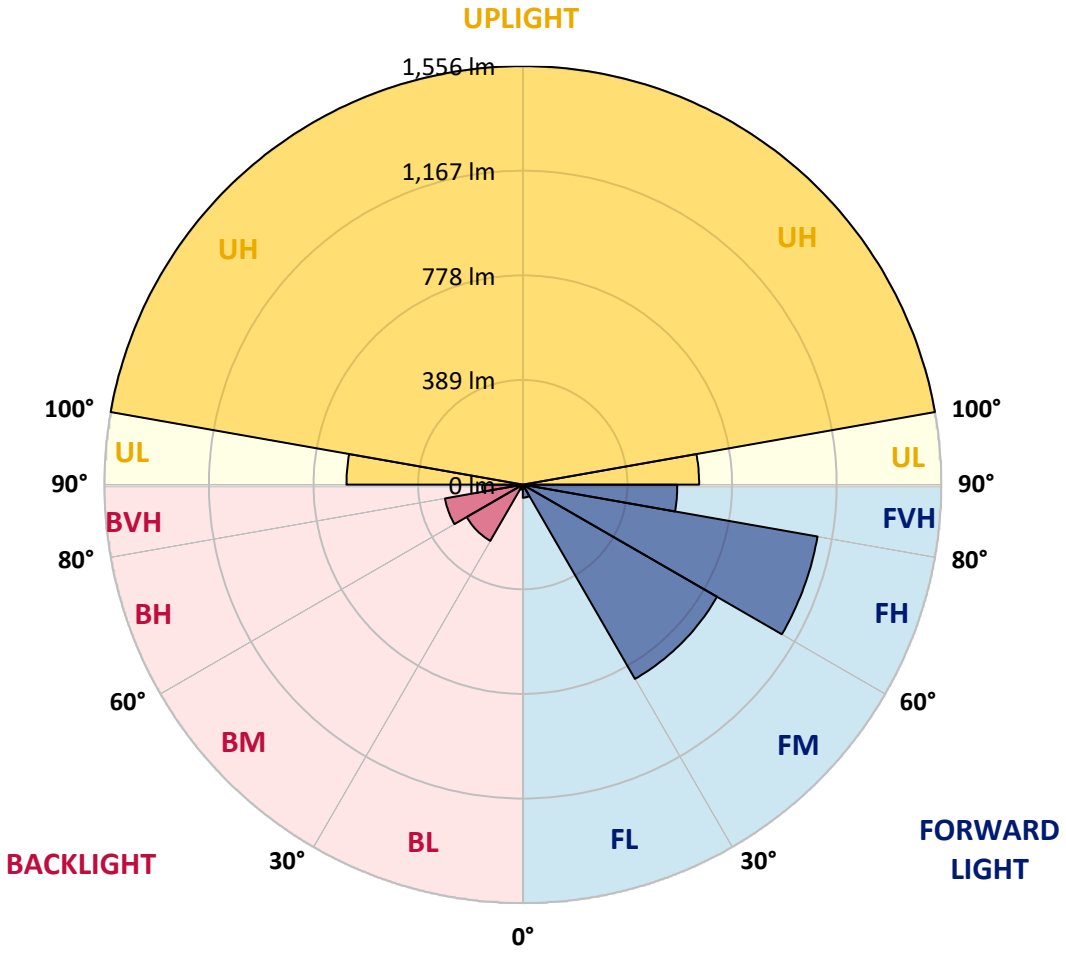
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	48.5	0.9			
FM	(30°-60°)	834.0	15.2			
FH	(60°-80°)	1112.7	20.3			G1/1800
FVH	(80°-90°)	574.5	10.5			G4/750
BL	(0°-30°)	18.6	0.3	B0/110		
BM	(30°-60°)	241.2	4.4	B1/1000		
BH	(60°-80°)	293.7	5.4	B1/500		G1/500
BVH	(80°-90°)	150.9	2.8			G2/225
UL	(90°-100°)	655.6	12.0		U4/1000	
UH	(100°-180°)	1556.1	28.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44.7	44.7	*44.7*	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	48.3	48.3	*48.3*	48.3	48.3	48.3	47.7	46.5	45.9	45.3	44.7
5°	45.9	45.9	*45.9*	45.9	45.9	45.9	45.9	45.3	44.7	43.5	42.3
7.5°	45.9	45.9	*45.9*	45.9	45.3	44.7	44.1	43.5	42.9	40.5	38.1
10°	50.0	50.6	*50.0*	50.0	48.3	46.5	45.3	43.5	42.3	41.1	38.1
12.5°	53.0	53.0	*53.0*	52.4	51.2	50.0	47.7	44.7	42.3	39.9	37.5
15°	54.8	54.8	*54.8*	54.8	53.6	51.8	50.0	47.7	45.3	42.3	39.3
17.5°	62.0	62.0	*62.0*	61.4	60.2	59.0	57.8	56.6	54.8	51.8	48.9
20°	81.6	83.4	*82.8*	81.0	79.8	78.6	79.2	78.0	76.9	72.7	67.9
22.5°	113.2	115.6	*115.0*	115.6	113.8	112.6	112.0	113.2	110.8	104.9	95.9
25°	159.1	159.1	*157.3*	162.0	162.6	156.7	157.9	157.3	155.5	144.8	130.5
27.5°	210.3	209.1	*208.5*	216.3	217.4	215.1	217.4	213.3	207.3	195.4	177.5
30°	269.9	274.6	*277.0*	278.2	281.8	284.2	287.1	283.6	267.5	253.2	228.2
32.5°	345.5	342.6	*342.0*	354.5	361.0	361.6	368.8	358.6	340.8	314.0	281.2
35°	428.9	421.8	*423.0*	430.7	441.4	449.2	454.6	434.9	416.4	381.3	338.4
37.5°	507.6	508.2	*507.6*	510.6	530.8	533.2	534.4	512.3	485.5	449.2	395.6
40°	588.0	589.2	*592.2*	601.7	623.1	619.0	609.4	589.8	555.2	514.1	451.0
42.5°	670.8	678.5	*680.3*	685.1	700.0	698.8	682.7	660.7	620.8	569.5	498.6
45°	759.6	758.4	*761.4*	767.9	779.8	779.8	751.2	719.1	675.6	617.8	541.5
47.5°	843.6	852.5	*847.1*	863.2	857.3	861.4	812.6	773.3	725.6	657.1	577.3
50°	949.6	954.4	*952.6*	950.8	932.9	932.9	882.9	829.9	776.3	695.2	613.0
52.5°	1039.6	1041.4	*1038.4*	1031.2	1006.2	997.9	938.9	877.5	820.9	739.9	647.6
55°	1123.0	1111.1	*1116.4*	1105.1	1065.8	1056.8	1000.8	913.9	860.3	772.1	677.4
57.5°	1184.3	1190.9	*1192.7*	1168.2	1128.9	1092.6	1055.1	957.4	890.0	802.5	697.0
60°	1236.8	1254.6	*1253.4*	1216.5	1182.0	1117.0	1096.2	995.5	909.7	829.3	718.5
62.5°	1276.1	1295.1	*1293.9*	1264.2	1233.2	1142.0	1118.8	1018.1	921.6	843.0	734.5
65°	1314.8	1323.7	*1319.6*	1307.7	1270.7	1165.3	1140.2	1028.2	931.7	848.9	740.5
67.5°	1354.1	1353.5	*1352.9*	1336.2	1296.3	1186.7	1157.5	1043.1	941.9	855.5	744.7
70°	1373.8	1375.0	*1374.4*	1339.2	1302.3	1201.0	1167.1	1050.9	944.2	855.5	748.3
71°	*1375.0*	*1376.8*	*1377.9*	*1335.7*	*1296.9*	*1202.2*	*1167.7*	*1050.9*	*941.9*	*853.7*	*746.5*
72.5°	1366.6	1375.6	*1374.4*	1326.7	1289.2	1200.4	1163.5	1046.1	938.3	846.5	741.1
75°	1348.2	1364.2	*1357.1*	1308.8	1269.5	1188.5	1152.2	1041.4	929.4	837.0	736.3
77.5°	1332.1	1350.5	*1338.6*	1293.9	1258.8	1180.2	1146.2	1042.5	922.8	831.1	734.5
80°	1321.4	1331.5	*1321.9*	1285.0	1249.9	1170.6	1142.0	1043.1	921.0	828.1	729.2
82.5°	1305.3	1301.1	*1294.5*	1265.4	1229.6	1153.4	1125.4	1033.6	916.8	822.1	723.2
85°	1291.0	1273.7	*1273.7*	1247.5	1211.1	1139.7	1105.7	1022.3	909.7	816.2	716.1
87.5°	1299.3	1276.1	*1280.8*	1255.8	1215.9	1141.4	1102.1	1021.1	912.7	817.4	711.9
90°	1291.0	1268.9	*1271.3*	1245.1	1198.6	1123.0	1075.3	997.3	893.6	800.7	697.0
92.5°	1276.7	1253.4	*1249.9*	1223.1	1176.0	1104.5	1054.5	981.8	878.7	787.6	691.7
95°	1166.5	1149.8	*1142.6*	1123.6	1087.2	1024.7	985.4	915.7	813.2	729.8	647.0
97.5°	1053.3	1056.2	*1046.1*	1023.5	983.6	934.7	891.2	824.5	738.1	666.0	585.6
100°	1098.0	1093.8	*1083.7*	1053.3	1011.6	956.8	905.5	841.2	757.2	692.3	603.5
102.5°	1146.8	1156.3	*1152.2*	1114.0	1067.0	1022.9	984.2	919.8	827.5	759.0	664.3
105°	1013.4	1032.4	*1036.6*	1006.8	972.2	935.3	901.4	856.1	776.3	706.0	631.5
107.5°	883.5	886.5	*889.4*	866.8	849.5	816.8	782.8	741.7	680.9	627.3	554.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	793.5	796.5	*791.7*	782.2	764.3	739.3	701.8	673.2	620.2	574.9	508.8
112.5°	722.0	725.0	*721.4*	709.5	693.4	673.8	634.5	610.6	565.4	523.1	463.5
115°	676.2	679.7	*673.8*	661.3	647.6	636.8	602.9	567.7	526.6	489.1	437.9
117.5°	632.7	639.8	*626.1*	622.5	612.4	601.7	563.0	532.0	496.3	462.3	421.2
120°	585.0	591.0	*579.7*	575.5	569.5	558.8	522.5	494.5	465.9	435.5	396.2
122.5°	546.9	538.6	*533.2*	533.2	526.0	518.9	481.4	458.1	435.5	409.9	369.4
125°	503.4	492.1	*489.7*	493.9	484.9	475.4	445.6	424.8	407.5	381.9	342.0
127.5°	454.6	443.8	*443.8*	445.6	440.3	430.7	411.1	393.8	383.1	355.7	315.7
130°	408.7	402.7	*403.9*	399.7	394.4	386.6	372.3	359.8	350.9	323.5	294.9
132.5°	353.9	360.4	*360.4*	353.3	352.1	346.1	334.8	328.8	315.1	292.5	268.7
135°	315.1	320.5	*319.9*	313.4	312.8	309.2	300.8	295.5	282.4	263.3	243.7
137.5°	282.4	282.4	*281.2*	277.0	274.6	274.0	266.3	260.9	248.4	235.3	219.2
140°	250.2	244.8	*243.1*	243.7	240.1	239.5	232.9	226.4	220.4	207.9	194.8
142.5°	216.8	213.3	*211.5*	209.1	207.9	206.1	202.0	196.6	190.6	182.3	170.4
145°	185.3	185.3	*184.1*	181.7	181.7	179.3	175.1	172.2	166.8	157.9	148.3
147.5°	160.9	159.1	*159.1*	158.5	156.7	155.5	151.9	147.7	144.2	137.0	128.1
150°	138.2	138.2	*137.0*	138.2	137.0	135.2	132.9	129.3	125.1	119.7	112.6
152.5°	120.3	120.9	*119.7*	121.5	120.3	119.1	116.2	113.8	109.0	104.3	99.5
155°	107.2	107.8	*107.2*	106.6	106.6	104.9	103.7	100.1	97.1	92.9	88.8
157.5°	95.3	95.9	*95.9*	95.9	95.9	94.1	91.7	89.4	87.0	83.4	79.8
160°	87.6	87.0	*87.0*	86.4	85.8	85.2	83.4	81.0	79.2	76.3	73.3
162.5°	79.8	79.8	*79.8*	79.2	78.6	78.0	76.9	74.5	72.7	70.3	67.9
165°	74.5	74.5	*74.5*	74.5	73.3	72.7	71.5	69.7	68.5	66.1	63.7
167.5°	70.9	70.9	*70.9*	70.3	69.7	69.1	68.5	66.7	65.5	63.7	62.0
170°	67.9	67.9	*67.9*	67.9	67.3	66.1	65.5	64.3	63.1	62.0	60.2
172.5°	64.9	64.9	*64.9*	64.9	64.3	64.3	63.7	62.6	62.0	60.2	59.6
175°	62.6	62.6	*62.6*	62.6	62.0	62.0	61.4	60.8	60.2	59.6	58.4
177.5°	60.8	60.8	*60.8*	60.8	60.2	60.2	60.2	59.6	59.0	58.4	58.4
180°	58.4	58.4	*58.4*	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	44.7	44.7	43.5	42.9	42.3	41.1	39.9	38.1	38.1	38.1	37.5
5°	41.7	41.1	39.9	38.1	37.5	36.9	35.7	33.4	30.4	28.0	28.0
7.5°	38.7	35.7	32.8	31.6	29.8	26.8	23.8	20.3	16.1	15.5	15.5
10°	36.3	34.6	31.0	28.0	25.0	24.4	22.0	18.5	16.7	14.9	14.9
12.5°	35.7	34.6	30.4	26.8	23.2	21.4	19.7	17.9	16.1	14.9	14.9
15°	37.5	36.3	32.2	28.0	23.8	21.4	19.1	17.3	16.7	16.1	16.1
17.5°	47.1	45.3	39.3	32.8	27.4	23.8	20.9	19.1	18.5	17.9	17.9
20°	63.7	60.8	52.4	43.5	35.1	27.4	23.2	20.3	19.7	19.1	19.1
22.5°	90.6	85.2	70.9	57.2	44.7	34.6	26.8	21.4	19.7	19.1	19.1
25°	123.3	116.2	95.3	75.1	56.6	44.1	32.8	24.4	19.7	18.5	18.5
27.5°	166.8	154.3	126.3	100.7	75.7	56.0	41.1	29.2	21.4	18.5	17.9
30°	212.7	197.2	161.4	127.5	95.9	70.3	50.6	35.1	24.4	18.5	17.9
32.5°	262.7	241.9	202.6	160.3	119.1	87.0	62.0	41.1	28.0	19.7	18.5
35°	314.0	290.7	241.9	194.8	143.0	103.7	73.9	47.7	30.4	20.9	19.7
37.5°	365.8	339.6	286.6	225.8	166.2	120.9	85.8	54.8	32.8	22.0	20.9
40°	417.6	386.0	327.7	255.0	188.8	138.2	97.1	60.8	34.6	23.8	23.2
42.5°	458.1	426.0	361.6	279.4	212.7	153.7	108.4	65.5	36.3	26.8	25.6
45°	495.1	461.1	390.2	301.4	231.1	172.2	121.5	73.3	39.9	30.4	29.2
47.5°	532.6	499.2	420.0	322.9	249.0	190.6	137.0	81.6	49.4	39.3	38.7
50°	565.4	528.4	452.2	352.1	271.7	207.9	153.1	91.7	58.4	57.2	57.8
52.5°	596.9	560.0	479.6	373.5	287.1	228.8	168.6	95.9	66.1	67.3	68.5
55°	632.1	589.2	501.6	390.2	296.1	242.5	177.5	99.5	73.3	68.5	67.3
57.5°	655.9	606.5	519.5	408.7	305.6	250.8	178.1	103.7	79.2	66.1	64.3
60°	672.0	616.0	529.0	418.8	318.7	258.6	176.3	104.3	82.8	60.8	55.4
62.5°	682.7	628.5	537.4	421.2	328.8	264.5	175.7	101.9	81.6	54.2	50.0
65°	687.5	639.2	545.1	422.4	330.6	268.7	175.7	100.7	79.8	47.7	42.9
67.5°	687.5	642.8	548.1	424.8	329.4	269.9	170.4	104.3	77.4	45.3	39.3
70°	683.9	641.0	543.9	424.2	331.8	268.7	164.4	104.3	73.9	45.3	37.5
71°	*679.1*	*637.4*	*540.9*	*423.6*	*332.4*	*267.5*	*162.0*	*103.7*	*72.1*	*44.1*	*38.1*
72.5°	672.6	632.1	535.6	422.4	330.6	263.9	157.3	104.3	70.3	43.5	38.7
75°	665.4	627.9	531.4	417.6	330.0	258.6	148.9	102.5	69.7	44.1	39.9
77.5°	663.1	628.5	529.0	416.4	330.0	255.6	143.0	101.3	68.5	44.7	42.3
80°	657.7	627.3	524.3	413.4	328.8	250.2	141.2	101.3	67.3	45.3	43.5
82.5°	652.3	624.3	520.1	410.5	327.1	243.1	139.4	100.7	66.1	47.1	45.9
85°	647.6	623.7	520.1	408.7	326.5	238.9	138.8	100.1	65.5	48.9	47.7
87.5°	647.6	626.7	525.4	413.4	331.8	238.9	141.2	101.3	66.1	51.2	50.6
90°	635.7	613.6	517.1	410.5	333.6	239.5	143.6	104.3	68.5	53.6	52.4
92.5°	632.1	607.7	514.7	413.4	336.0	239.5	146.6	107.2	70.3	54.8	53.6
95°	592.8	565.4	484.3	392.6	321.1	232.9	147.7	106.6	71.5	55.4	54.8
97.5°	538.0	508.2	431.9	349.1	284.2	209.1	134.6	100.1	70.9	57.2	56.0
100°	556.4	521.3	441.4	355.1	279.4	204.9	132.3	97.1	72.7	59.6	58.4
102.5°	607.7	569.5	485.5	393.2	304.4	226.4	147.7	103.1	76.3	62.6	60.8
105°	577.3	535.0	468.8	380.7	296.7	226.4	148.3	104.9	79.8	64.9	63.7
107.5°	510.0	470.6	412.8	339.0	271.7	209.1	140.6	101.9	82.8	67.9	66.1

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

Scaled Data Report

REPORT NUMBER: P1045980
CATALOG NUMBER: FFX-CLB-50-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	471.2	428.9	375.9	309.2	252.6	194.2	135.2	100.1	84.6	71.5	69.1
112.5°	430.1	393.8	342.6	284.2	235.3	179.3	131.7	99.5	85.8	75.1	72.7
115°	406.9	369.4	325.3	268.7	224.0	174.6	130.5	102.5	90.0	79.8	77.4
117.5°	386.6	355.7	316.3	256.8	216.3	172.8	132.9	106.0	92.9	84.0	81.0
120°	365.8	337.2	301.4	247.2	209.7	166.8	133.4	107.8	95.3	87.6	85.8
122.5°	353.3	321.1	286.0	238.9	202.0	162.6	132.9	110.2	95.9	89.4	89.4
125°	330.0	304.4	269.3	228.2	190.6	160.3	132.9	109.0	97.7	91.7	90.6
127.5°	304.4	287.7	252.6	216.3	182.9	154.3	129.3	109.0	97.1	91.7	91.7
130°	280.6	265.7	237.1	200.2	175.7	146.0	123.9	103.7	93.5	90.0	90.0
132.5°	253.8	244.3	217.4	184.7	161.4	135.8	116.8	95.9	87.6	84.6	84.6
135°	229.4	220.4	195.4	168.0	147.1	126.3	108.4	90.6	80.4	76.9	76.9
137.5°	206.7	198.4	176.3	153.1	134.0	116.8	100.1	85.2	75.1	70.9	71.5
140°	183.5	173.4	158.5	138.8	121.5	107.8	91.7	79.8	70.3	66.7	66.1
142.5°	162.6	154.9	141.2	124.5	109.6	98.9	84.6	74.5	66.7	63.1	62.6
145°	143.6	137.0	125.1	111.4	99.5	89.4	78.0	69.7	63.1	60.2	59.6
147.5°	123.3	119.1	110.2	99.5	89.4	80.4	72.7	64.9	60.8	57.2	56.6
150°	108.4	105.4	98.3	89.4	81.6	74.5	68.5	61.4	57.8	55.4	54.8
152.5°	96.5	93.5	87.6	81.0	74.5	69.1	63.7	59.0	55.4	53.6	53.0
155°	86.4	84.0	79.2	73.9	68.5	63.7	59.6	56.0	53.6	51.8	51.8
157.5°	78.6	76.3	72.7	67.9	63.7	59.6	56.6	53.6	52.4	50.6	50.6
160°	72.1	70.3	67.3	63.1	59.6	56.6	54.2	51.8	51.2	50.0	50.0
162.5°	66.7	65.5	62.6	59.6	57.2	54.8	53.0	51.2	50.0	49.4	49.4
165°	63.1	62.0	60.2	57.8	55.4	53.6	52.4	50.6	50.0	50.0	49.4
167.5°	61.4	60.2	58.4	56.0	54.2	53.6	52.4	51.2	50.6	50.6	50.0
170°	59.6	59.0	57.8	56.0	54.2	53.6	53.0	51.8	51.8	51.2	51.2
172.5°	59.0	58.4	57.2	56.0	54.8	54.2	53.6	53.0	53.0	53.0	52.4
175°	58.4	58.4	57.2	56.0	55.4	55.4	54.8	54.2	54.2	54.2	54.2
177.5°	58.4	57.8	57.8	57.2	56.6	56.6	56.6	56.0	56.0	56.0	56.0
180°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

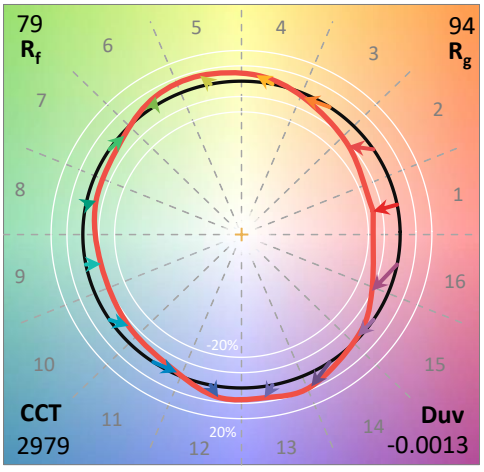
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

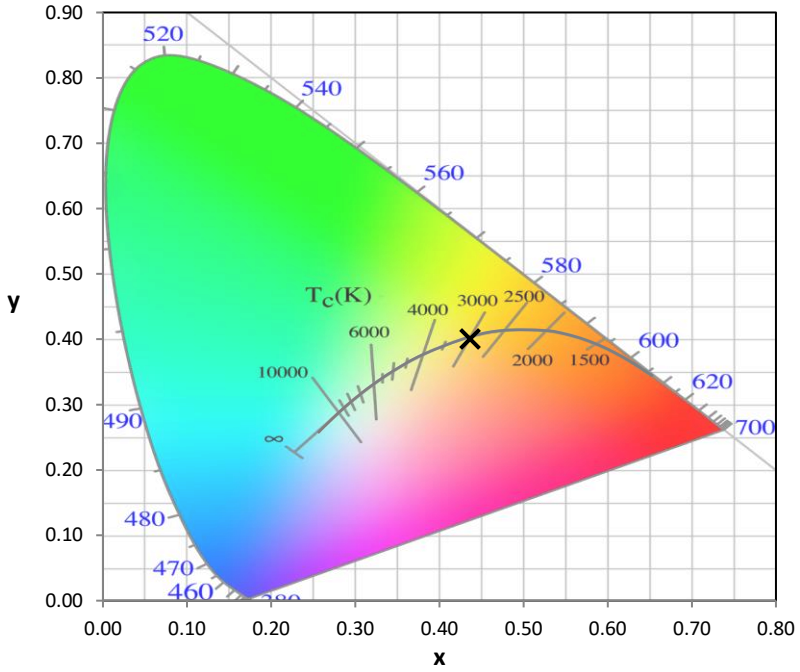
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

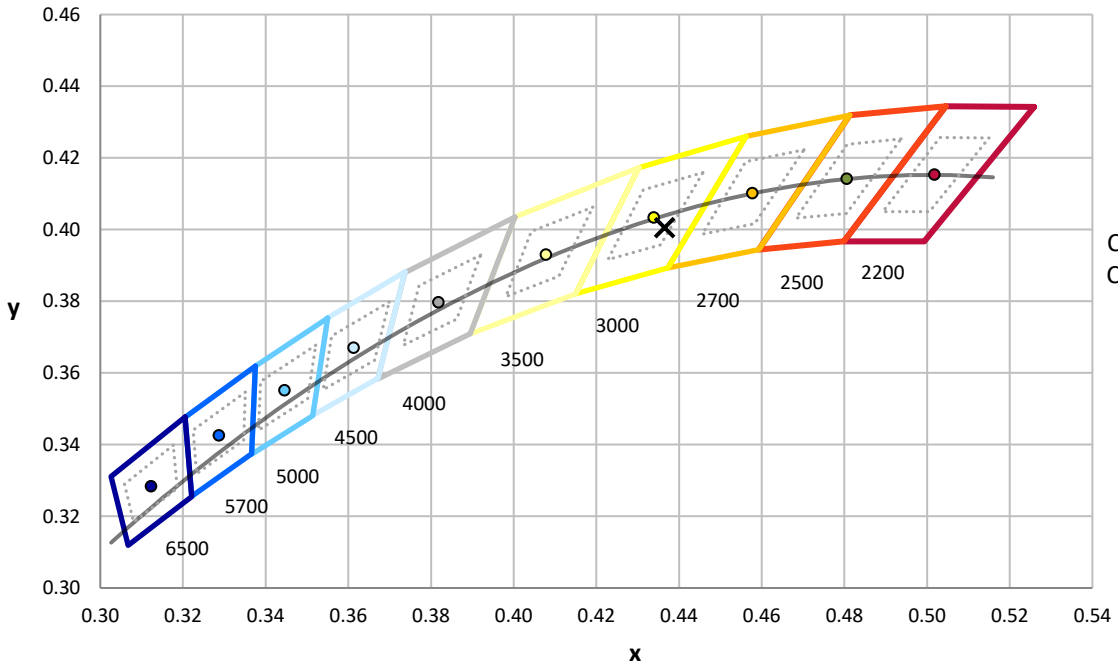
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

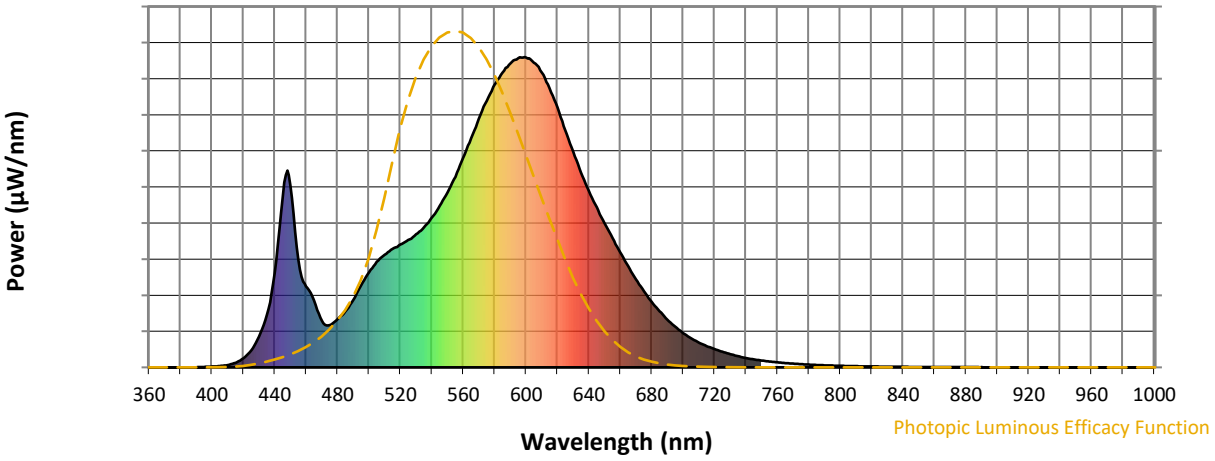


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

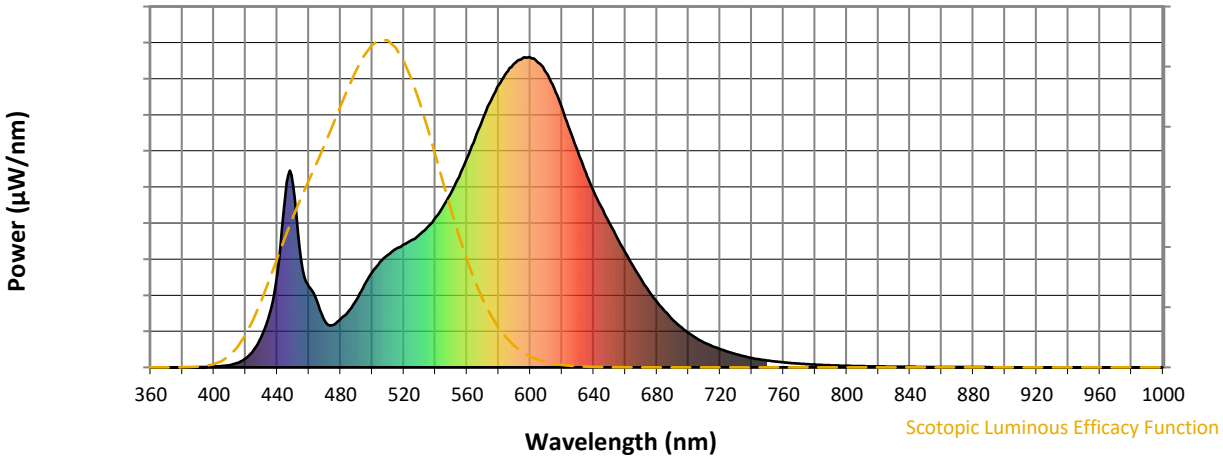


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

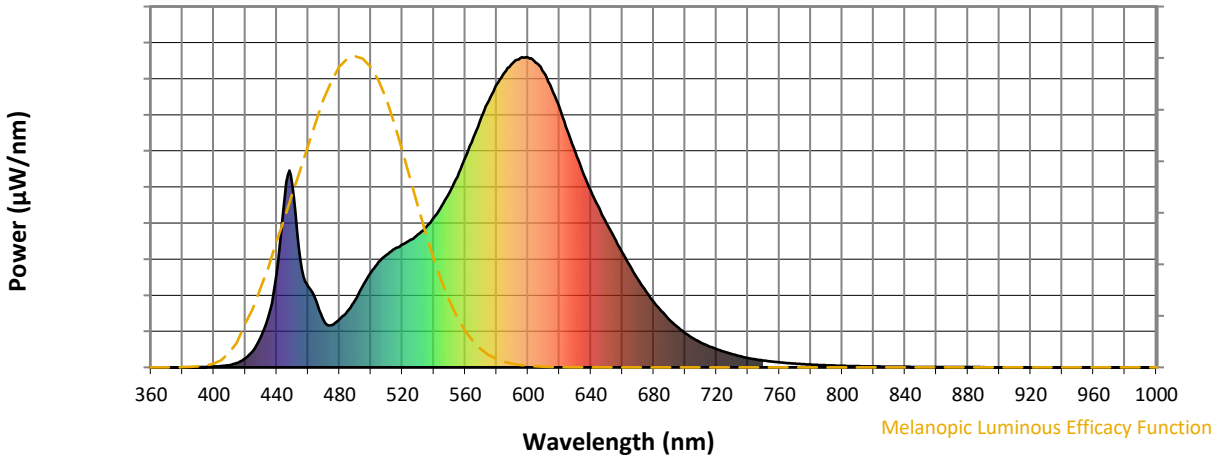


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

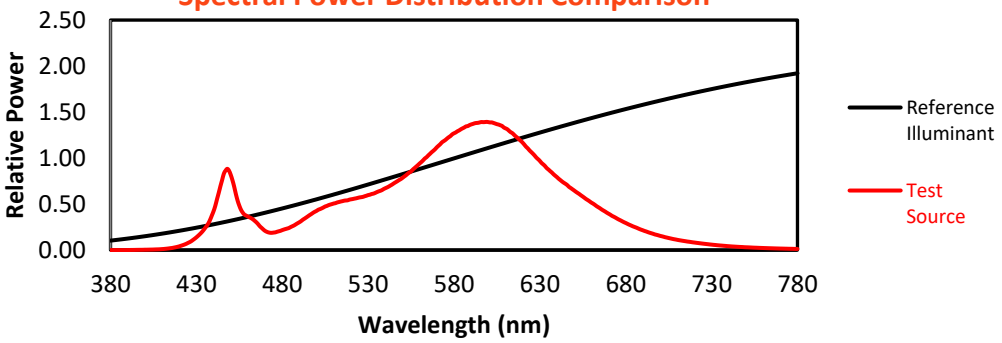
REPORT NUMBER: SP1-2501-332-9

TM-30-18

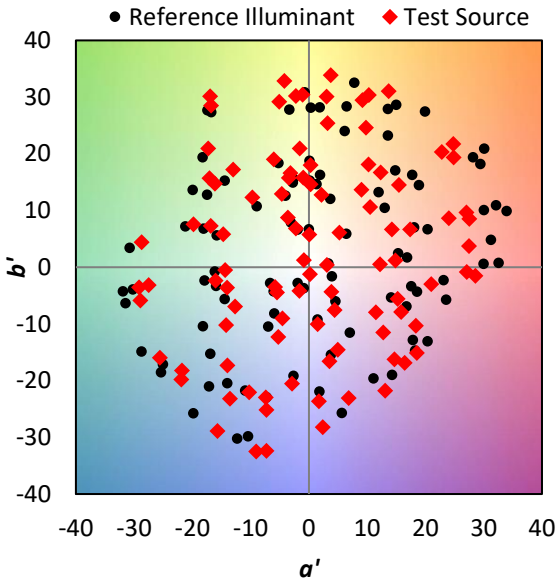
Summary

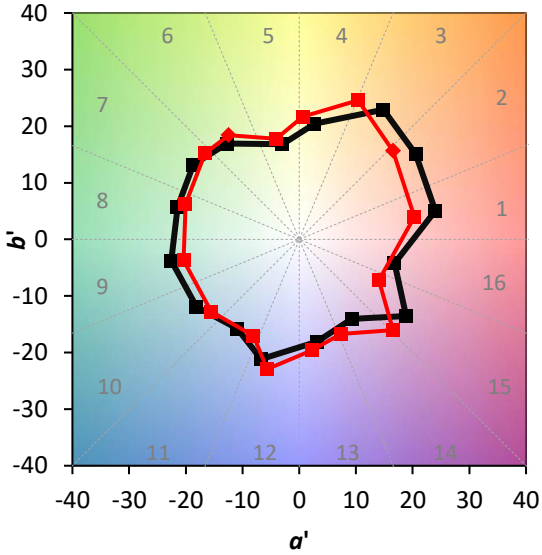
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

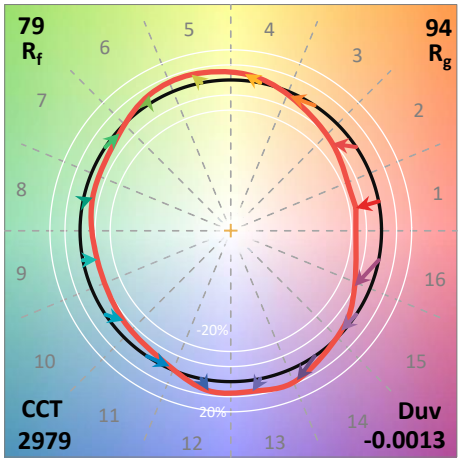
Spectral Power Distribution Comparison

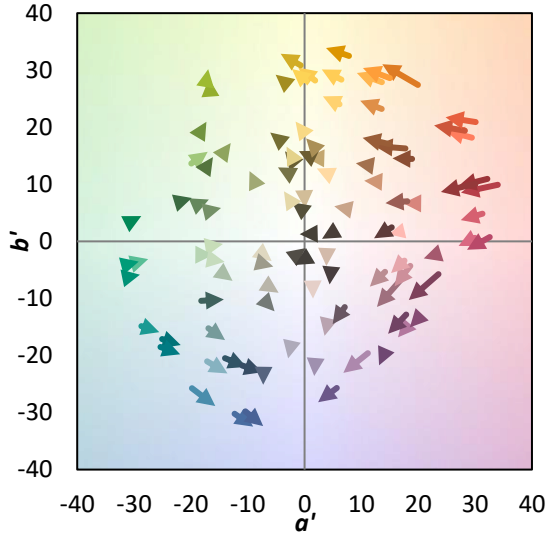


Color Vector Graphics







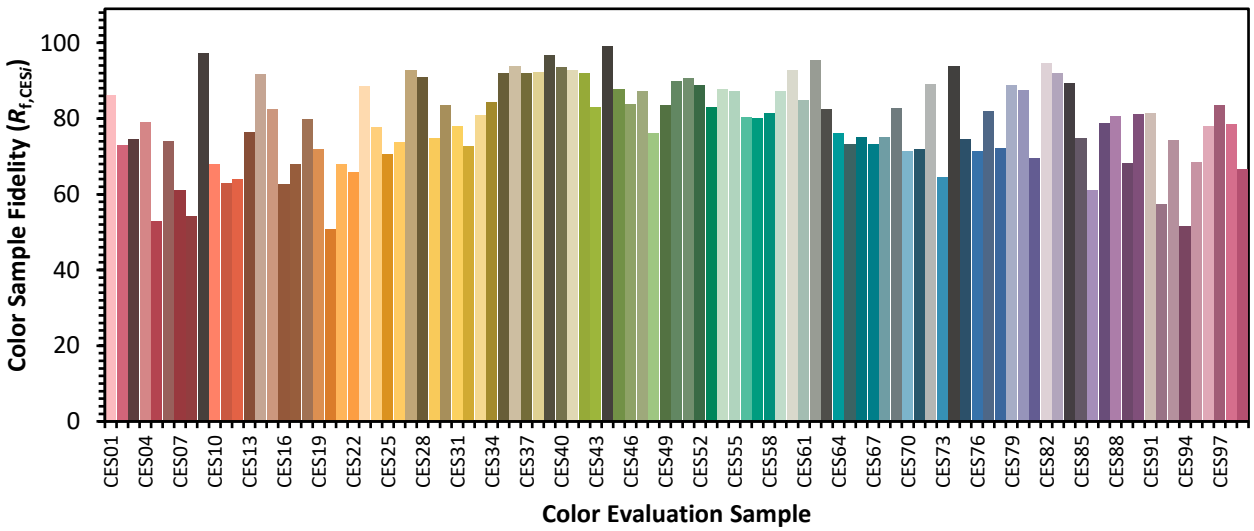


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

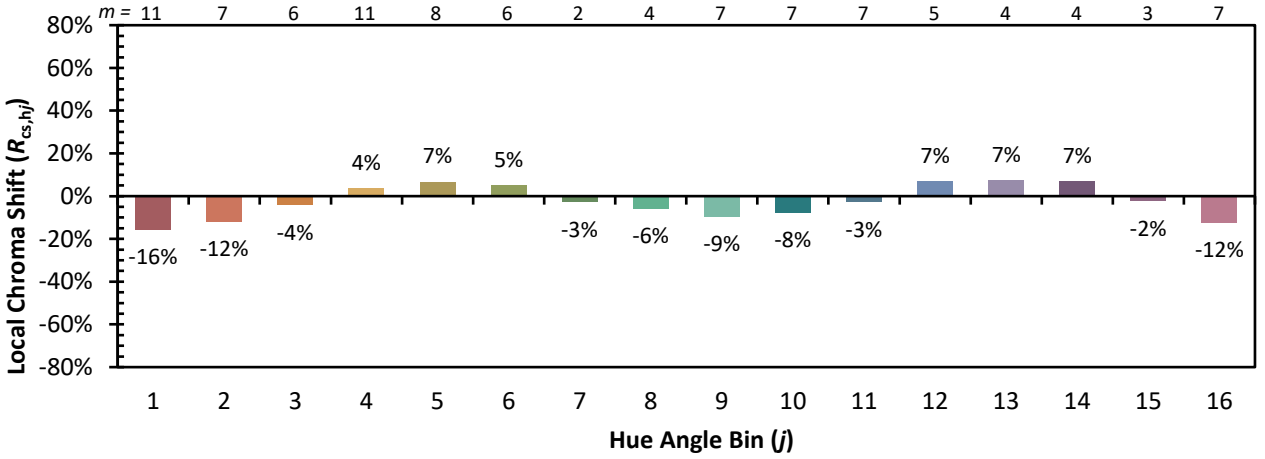
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
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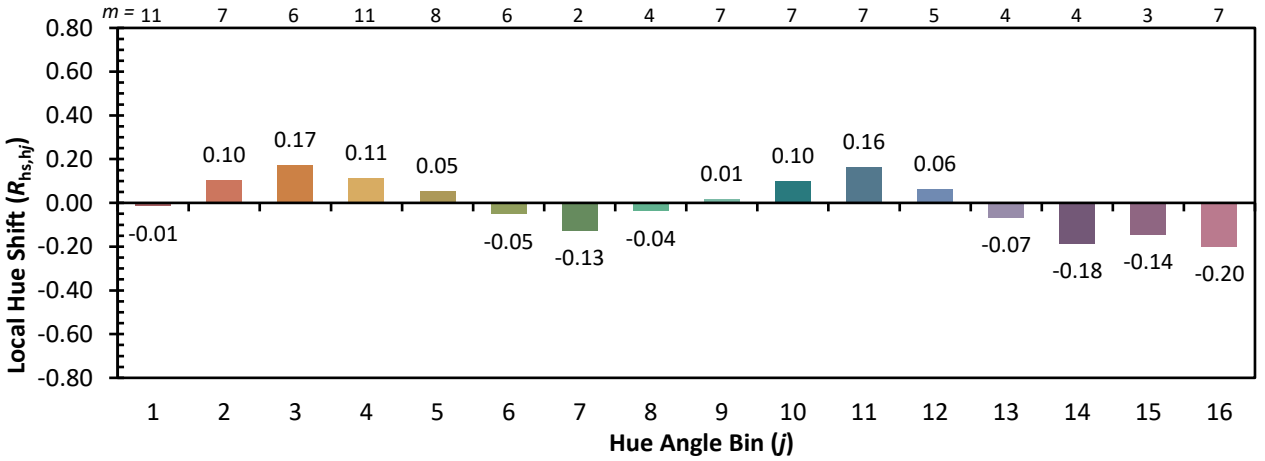


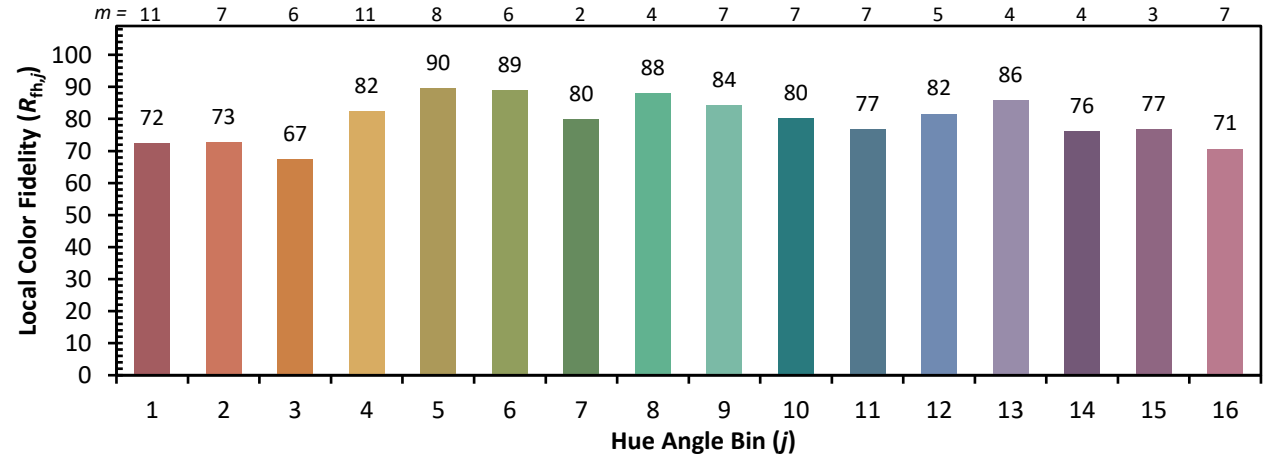
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Color Rendition by Hue-Angle Bin



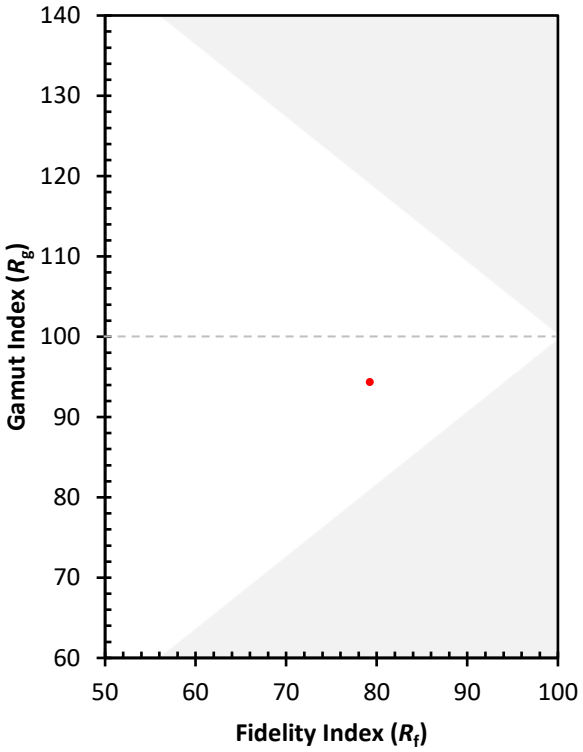


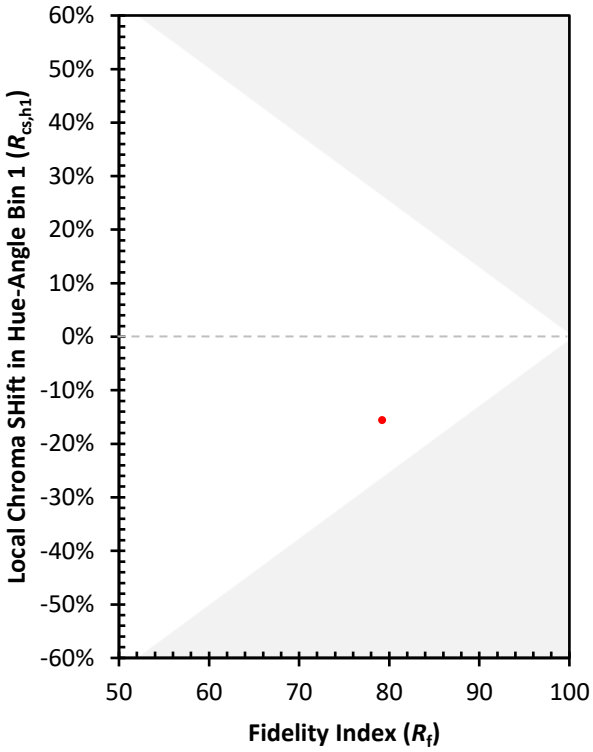


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Measure Comparisons





(END OF REPORT)