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: P1045961

Luminaire Tested: **FFX-CLB-60-722-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045961
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5486.6 lumens
Efficiency:	N/A
Efficacy:	90.5 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):	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

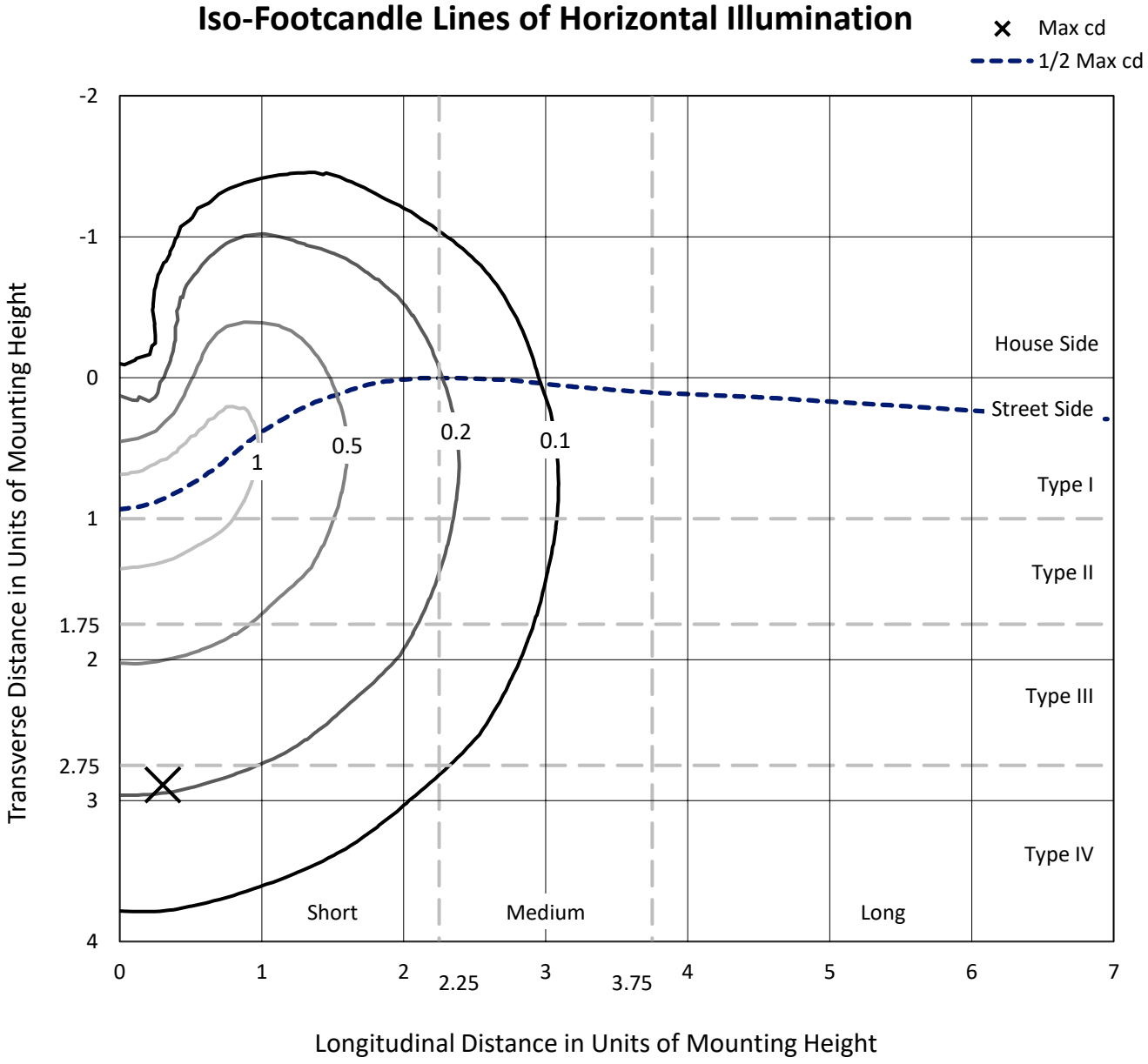


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Iso-Footcandle Lines of Horizontal Illumination



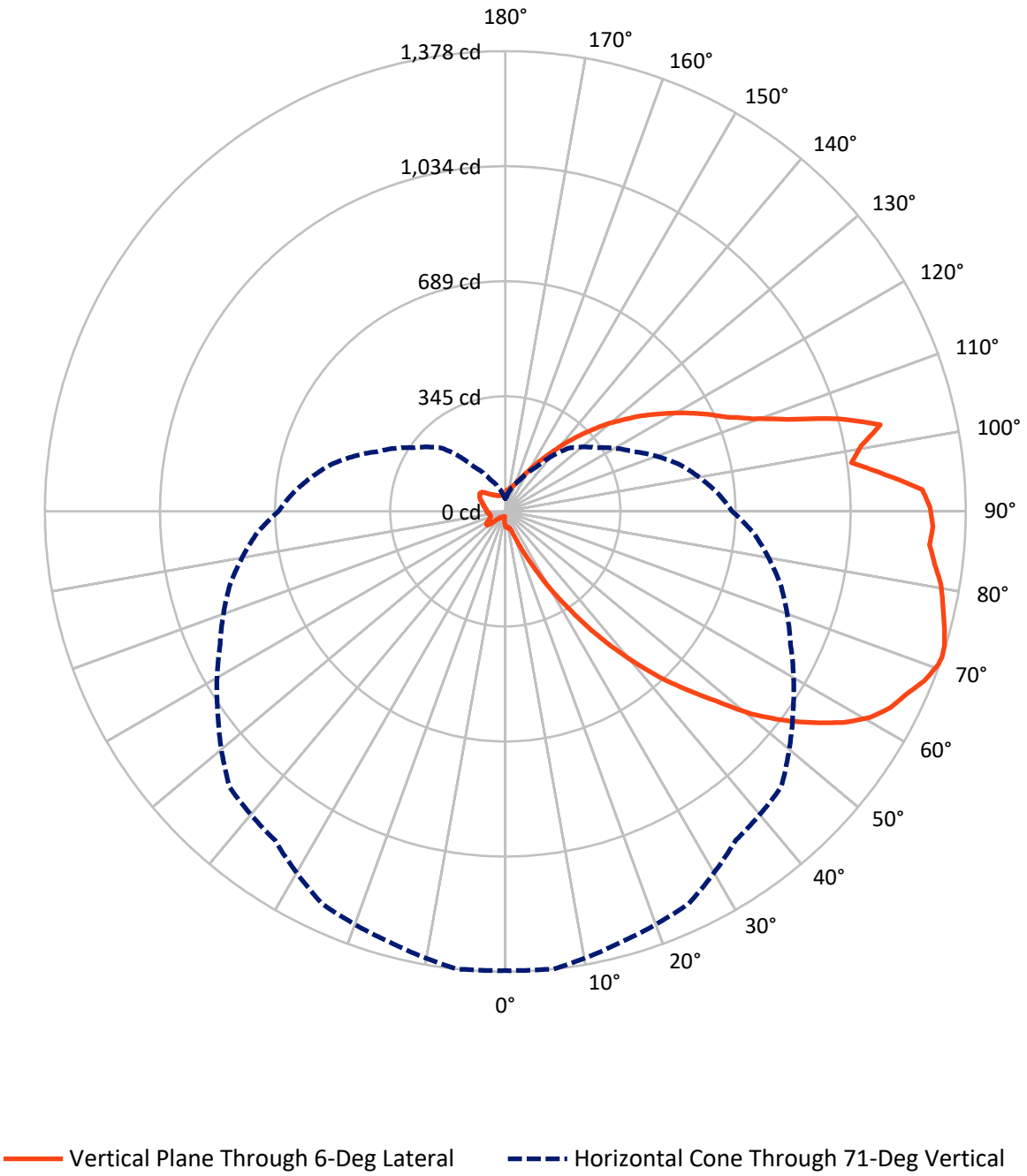
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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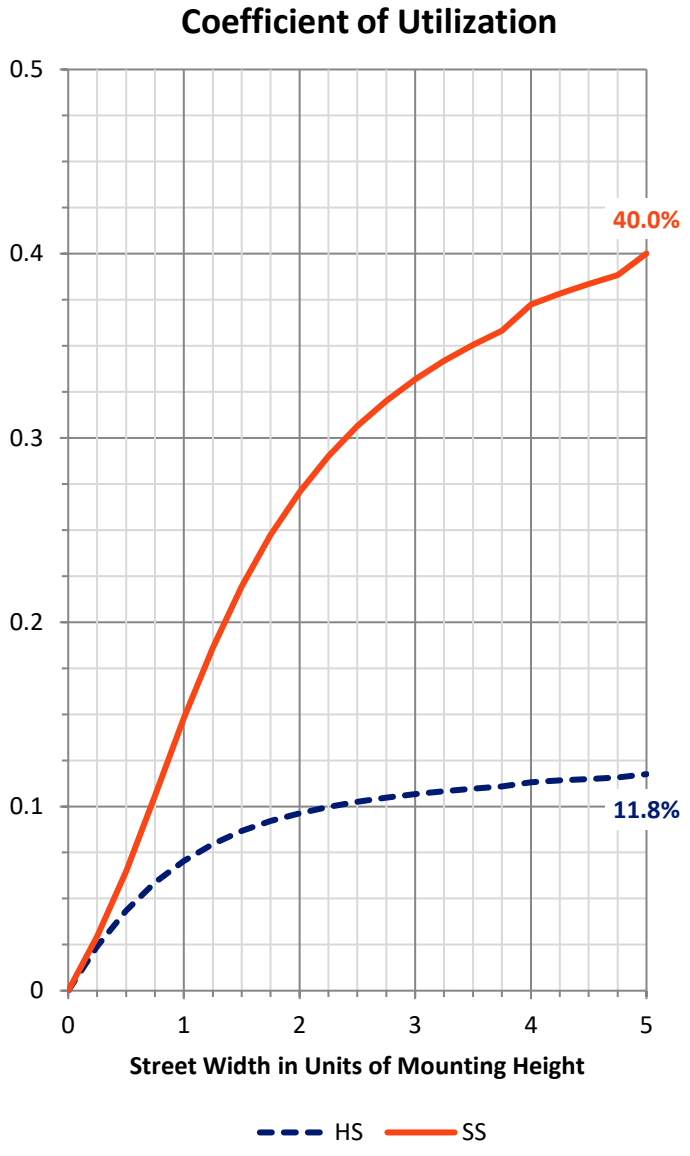
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	704.5	558.7	1263.2
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2570.1	1653.3	4223.3
	% Fixture	46.8	30.1	77.0
Total	Lumens	3274.6	2212.0	5486.6
	% 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°	355.0	6.5
50°-60°	546.2	10.0
60°-70°	679.6	12.4
70°-80°	726.9	13.2
80°-90°	725.6	13.2
90°-100°	655.7	12.0
100°-110°	573.6	10.5
110°-120°	391.0	7.1
120°-130°	276.2	5.0
130°-140°	167.4	3.1
140°-150°	84.9	1.5
150°-160°	39.6	0.7
160°-170°	18.1	0.3
170°-180°	5.6	0.1
0°-90°	3274.6	59.7
0°-180°	5486.6	100.0



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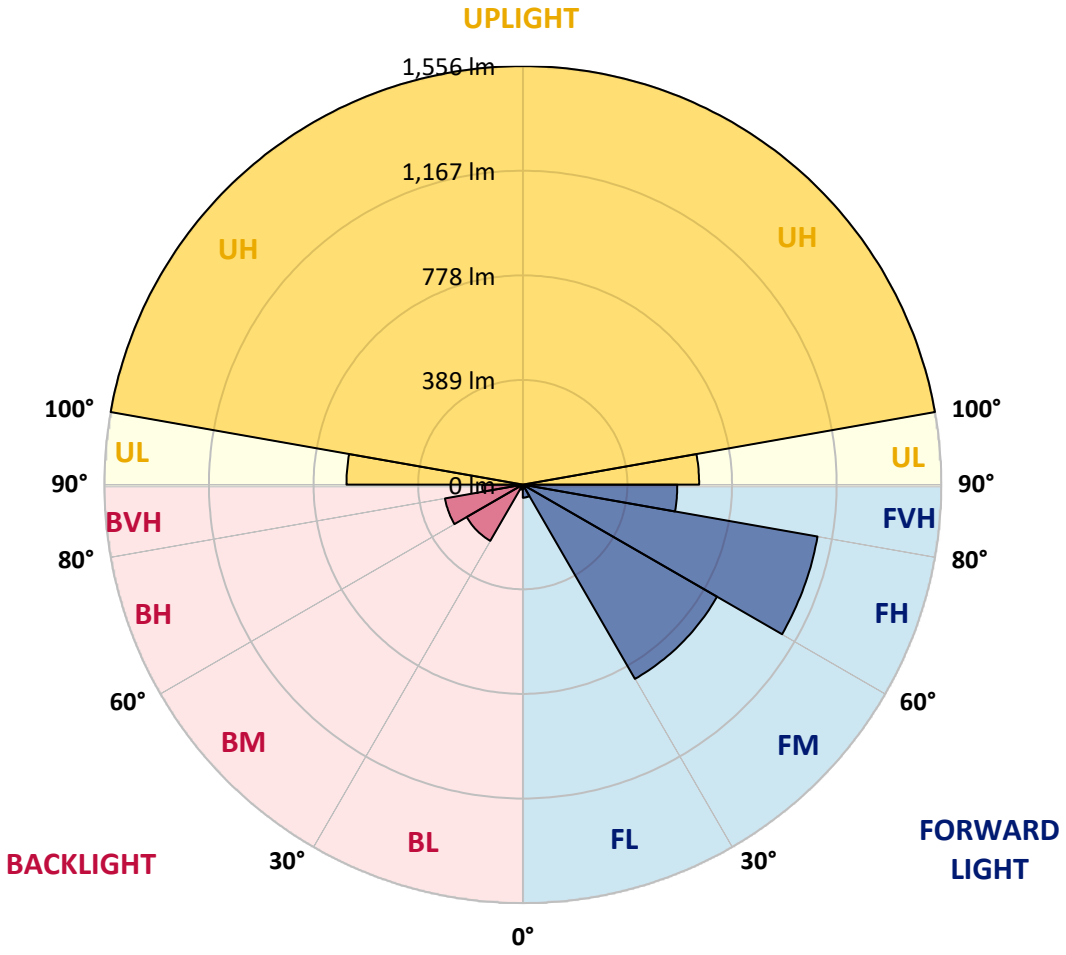
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	48.5	0.9			
FM	(30°-60°)	834.1	15.2			
FH	(60°-80°)	1112.8	20.3			G1/1800
FVH	(80°-90°)	574.6	10.5			G4/750
BL	(0°-30°)	18.6	0.3	B0/110		
BM	(30°-60°)	241.3	4.4	B1/1000		
BH	(60°-80°)	293.7	5.4	B1/500		G1/500
BVH	(80°-90°)	151.0	2.8			G2/225
UL	(90°-100°)	655.7	12.0		U4/1000	
UH	(100°-180°)	1556.3	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	78.1	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*	162.1	162.7	156.7	157.9	157.3	155.5	144.8	130.5
27.5°	210.3	209.1	*208.5*	216.3	217.5	215.1	217.5	213.3	207.3	195.4	177.6
30°	269.9	274.7	*277.1*	278.2	281.8	284.2	287.2	283.6	267.5	253.2	228.2
32.5°	345.6	342.6	*342.0*	354.5	361.1	361.7	368.8	358.7	340.8	314.0	281.2
35°	429.0	421.8	*423.0*	430.8	441.5	449.2	454.6	434.9	416.5	381.3	338.4
37.5°	507.6	508.2	*507.6*	510.6	530.9	533.3	534.5	512.4	485.6	449.2	395.6
40°	588.1	589.3	*592.2*	601.8	623.2	619.1	609.5	589.9	555.3	514.2	451.0
42.5°	670.9	678.6	*680.4*	685.2	700.1	698.9	682.8	660.8	620.8	569.6	498.7
45°	759.7	758.5	*761.5*	768.0	779.9	779.9	751.3	719.2	675.7	617.9	541.6
47.5°	843.7	852.6	*847.3*	863.3	857.4	861.6	812.7	773.4	725.7	657.2	577.4
50°	949.7	954.5	*952.7*	950.9	933.1	933.1	883.0	830.0	776.4	695.3	613.1
52.5°	1039.7	1041.5	*1038.5*	1031.4	1006.3	998.0	939.0	877.6	821.0	740.0	647.7
55°	1123.1	1111.2	*1116.6*	1105.2	1065.9	1057.0	1001.0	914.0	860.4	772.2	677.4
57.5°	1184.5	1191.0	*1192.8*	1168.4	1129.1	1092.7	1055.2	957.5	890.2	802.6	697.1
60°	1236.9	1254.8	*1253.6*	1216.7	1182.1	1117.2	1096.3	995.6	909.8	829.4	718.6
62.5°	1276.2	1295.3	*1294.1*	1264.3	1233.3	1142.2	1119.0	1018.3	921.7	843.1	734.6
65°	1315.0	1323.9	*1319.7*	1307.8	1270.9	1165.4	1140.4	1028.4	931.9	849.0	740.6
67.5°	1354.3	1353.7	*1353.1*	1336.4	1296.5	1186.9	1157.7	1043.3	942.0	855.6	744.8
70°	1374.0	1375.2	*1374.6*	1339.4	1302.5	1201.2	1167.2	1051.0	944.4	855.6	748.4
71°	*1375.2*	*1376.9*	*1378.1*	*1335.8*	*1297.1*	*1202.4*	*1167.8*	*1051.0*	*942.0*	*853.8*	*746.6*
72.5°	1366.8	1375.8	*1374.6*	1326.9	1289.4	1200.6	1163.6	1046.3	938.4	846.7	741.2
75°	1348.3	1364.4	*1357.3*	1309.0	1269.7	1188.7	1152.3	1041.5	929.5	837.1	736.4
77.5°	1332.3	1350.7	*1338.8*	1294.1	1259.0	1180.3	1146.4	1042.7	922.9	831.2	734.6
80°	1321.5	1331.7	*1322.1*	1285.2	1250.0	1170.8	1142.2	1043.3	921.1	828.2	729.3
82.5°	1305.4	1301.3	*1294.7*	1265.5	1229.8	1153.5	1125.5	1033.7	917.0	822.2	723.3
85°	1291.1	1273.9	*1273.9*	1247.6	1211.3	1139.8	1105.8	1022.4	909.8	816.3	716.2
87.5°	1299.5	1276.2	*1281.0*	1256.0	1216.1	1141.6	1102.3	1021.2	912.8	817.5	712.0
90°	1291.1	1269.1	*1271.5*	1245.3	1198.8	1123.1	1075.5	997.4	893.7	800.8	697.1
92.5°	1276.8	1253.6	*1250.0*	1223.2	1176.2	1104.7	1054.6	981.9	878.8	787.7	691.7
95°	1166.6	1149.9	*1142.8*	1123.7	1087.4	1024.8	985.5	915.8	813.3	729.9	647.1
97.5°	1053.4	1056.4	*1046.3*	1023.6	983.7	934.8	891.3	824.6	738.2	666.1	585.7
100°	1098.1	1093.9	*1083.8*	1053.4	1011.7	956.9	905.6	841.3	757.3	692.3	603.6
102.5°	1147.0	1156.5	*1152.3*	1114.2	1067.1	1023.0	984.3	919.9	827.6	759.1	664.3
105°	1013.5	1032.6	*1036.7*	1006.9	972.4	935.4	901.5	856.2	776.4	706.0	631.6
107.5°	883.6	886.6	*889.6*	866.9	849.6	816.9	782.9	741.8	681.0	627.4	554.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	793.6	796.6	*791.8*	782.3	764.4	739.4	701.9	673.3	620.2	575.0	508.8
112.5°	722.1	725.1	*721.5*	709.6	693.5	673.9	634.5	610.7	565.4	523.1	463.5
115°	676.3	679.8	*673.9*	661.4	647.7	636.9	603.0	567.8	526.7	489.2	437.9
117.5°	632.8	639.9	*626.2*	622.6	612.5	601.8	563.1	532.1	496.3	462.4	421.2
120°	585.1	591.1	*579.7*	575.6	569.6	558.9	522.5	494.5	465.9	435.5	396.2
122.5°	547.0	538.6	*533.3*	533.3	526.1	519.0	481.4	458.2	435.5	409.9	369.4
125°	503.5	492.1	*489.8*	493.9	485.0	475.5	445.7	424.8	407.5	381.9	342.0
127.5°	454.6	443.9	*443.9*	445.7	440.3	430.8	411.1	393.8	383.1	355.7	315.8
130°	408.7	402.8	*404.0*	399.8	394.4	386.7	372.4	359.9	350.9	323.5	294.9
132.5°	353.9	360.5	*360.5*	353.3	352.1	346.2	334.9	328.9	315.2	292.5	268.7
135°	315.2	320.6	*320.0*	313.4	312.8	309.2	300.9	295.5	282.4	263.4	243.7
137.5°	282.4	282.4	*281.2*	277.1	274.7	274.1	266.3	261.0	248.5	235.3	219.3
140°	250.2	244.9	*243.1*	243.7	240.1	239.5	233.0	226.4	220.5	207.9	194.8
142.5°	216.9	213.3	*211.5*	209.1	207.9	206.2	202.0	196.6	190.7	182.3	170.4
145°	185.3	185.3	*184.1*	181.7	181.7	179.3	175.2	172.2	166.8	157.9	148.4
147.5°	160.9	159.1	*159.1*	158.5	156.7	155.5	151.9	147.8	144.2	137.0	128.1
150°	138.2	138.2	*137.0*	138.2	137.0	135.3	132.9	129.3	125.1	119.8	112.6
152.5°	120.4	121.0	*119.8*	121.5	120.4	119.2	116.2	113.8	109.0	104.3	99.5
155°	107.2	107.8	*107.2*	106.7	106.7	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	91.8	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	78.1	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	63.8
167.5°	70.9	70.9	*70.9*	70.3	69.7	69.1	68.5	66.7	65.5	63.8	62.0
170°	67.9	67.9	*67.9*	67.9	67.3	66.1	65.5	64.3	63.2	62.0	60.2
172.5°	64.9	64.9	*64.9*	64.9	64.3	64.3	63.8	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°	63.8	60.8	52.4	43.5	35.2	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	161.5	127.5	95.9	70.3	50.6	35.2	24.4	18.5	17.9
32.5°	262.8	241.9	202.6	160.3	119.2	87.0	62.0	41.1	28.0	19.7	18.5
35°	314.0	290.8	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	121.0	85.8	54.8	32.8	22.0	20.9
40°	417.7	386.1	327.7	255.0	188.9	138.2	97.1	60.8	34.6	23.8	23.2
42.5°	458.2	426.0	361.7	279.4	212.7	153.7	108.4	65.5	36.3	26.8	25.6
45°	495.1	461.2	390.3	301.5	231.2	172.2	121.5	73.3	39.9	30.4	29.2
47.5°	532.7	499.3	420.1	322.9	249.1	190.7	137.0	81.6	49.5	39.3	38.7
50°	565.4	528.5	452.2	352.1	271.7	207.9	153.1	91.8	58.4	57.2	57.8
52.5°	597.0	560.1	479.6	373.6	287.2	228.8	168.6	95.9	66.1	67.3	68.5
55°	632.2	589.3	501.7	390.3	296.1	242.5	177.6	99.5	73.3	68.5	67.3
57.5°	656.0	606.5	519.6	408.7	305.7	250.8	178.2	103.7	79.2	66.1	64.3
60°	672.1	616.1	529.1	418.9	318.8	258.6	176.4	104.3	82.8	60.8	55.4
62.5°	682.8	628.6	537.4	421.2	328.9	264.5	175.8	101.9	81.6	54.2	50.0
65°	687.6	639.3	545.2	422.4	330.7	268.7	175.8	100.7	79.8	47.7	42.9
67.5°	687.6	642.9	548.2	424.8	329.5	269.9	170.4	104.3	77.5	45.3	39.3
70°	684.0	641.1	544.0	424.2	331.9	268.7	164.4	104.3	73.9	45.3	37.5
71°	*679.2*	*637.5*	*541.0*	*423.6*	*332.5*	*267.5*	*162.1*	*103.7*	*72.1*	*44.1*	*38.1*
72.5°	672.7	632.2	535.6	422.4	330.7	263.9	157.3	104.3	70.3	43.5	38.7
75°	665.5	628.0	531.5	417.7	330.1	258.6	149.0	102.5	69.7	44.1	39.9
77.5°	663.1	628.6	529.1	416.5	330.1	255.6	143.0	101.3	68.5	44.7	42.3
80°	657.8	627.4	524.3	413.5	328.9	250.2	141.2	101.3	67.3	45.3	43.5
82.5°	652.4	624.4	520.2	410.5	327.1	243.1	139.4	100.7	66.1	47.1	45.9
85°	647.7	623.8	520.2	408.7	326.5	238.9	138.8	100.1	65.5	48.9	47.7
87.5°	647.7	626.8	525.5	413.5	331.9	238.9	141.2	101.3	66.1	51.2	50.6
90°	635.7	613.7	517.2	410.5	333.7	239.5	143.6	104.3	68.5	53.6	52.4
92.5°	632.2	607.7	514.8	413.5	336.0	239.5	146.6	107.2	70.3	54.8	53.6
95°	592.8	565.4	484.4	392.6	321.1	233.0	147.8	106.7	71.5	55.4	54.8
97.5°	538.0	508.2	432.0	349.2	284.2	209.1	134.7	100.1	70.9	57.2	56.0
100°	556.5	521.3	441.5	355.1	279.4	205.0	132.3	97.1	72.7	59.6	58.4
102.5°	607.7	569.6	485.6	393.2	304.5	226.4	147.8	103.1	76.3	62.6	60.8
105°	577.4	535.0	468.9	380.7	296.7	226.4	148.4	104.9	79.8	64.9	63.8
107.5°	510.0	470.7	412.9	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: P1045961
CATALOG NUMBER: FFX-CLB-60-722-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	471.3	429.0	376.0	309.2	252.6	194.2	135.3	100.1	84.6	71.5	69.1
112.5°	430.2	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	77.5
117.5°	386.7	355.7	316.4	256.8	216.3	172.8	132.9	106.1	92.9	84.0	81.0
120°	365.8	337.2	301.5	247.3	209.7	166.8	133.5	107.8	95.3	87.6	85.8
122.5°	353.3	321.1	286.0	238.9	202.0	162.7	132.9	110.2	95.9	89.4	89.4
125°	330.1	304.5	269.3	228.2	190.7	160.3	132.9	109.0	97.7	91.8	90.6
127.5°	304.5	287.8	252.6	216.3	182.9	154.3	129.3	109.0	97.1	91.8	91.8
130°	280.6	265.7	237.1	200.2	175.8	146.0	123.9	103.7	93.5	90.0	90.0
132.5°	253.8	244.3	217.5	184.7	161.5	135.8	116.8	95.9	87.6	84.6	84.6
135°	229.4	220.5	195.4	168.0	147.2	126.3	108.4	90.6	80.4	76.9	76.9
137.5°	206.7	198.4	176.4	153.1	134.1	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	91.8	79.8	70.3	66.7	66.1
142.5°	162.7	154.9	141.2	124.5	109.6	98.9	84.6	74.5	66.7	63.2	62.6
145°	143.6	137.0	125.1	111.4	99.5	89.4	78.1	69.7	63.2	60.2	59.6
147.5°	123.3	119.2	110.2	99.5	89.4	80.4	72.7	64.9	60.8	57.2	56.6
150°	108.4	105.5	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	63.8	59.0	55.4	53.6	53.0
155°	86.4	84.0	79.2	73.9	68.5	63.8	59.6	56.0	53.6	51.8	51.8
157.5°	78.6	76.3	72.7	67.9	63.8	59.6	56.6	53.6	52.4	50.6	50.6
160°	72.1	70.3	67.3	63.2	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	49.5	49.5
165°	63.2	62.0	60.2	57.8	55.4	53.6	52.4	50.6	50.0	50.0	49.5
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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

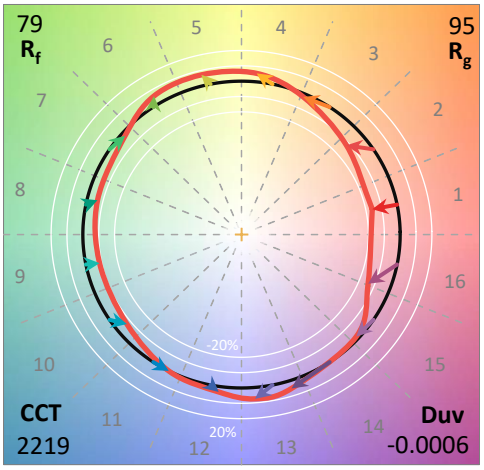
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

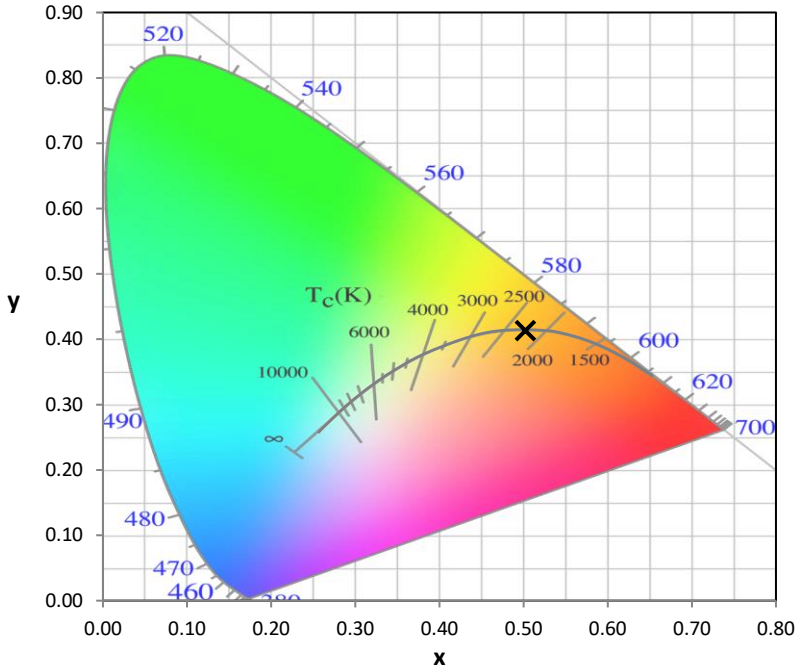
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

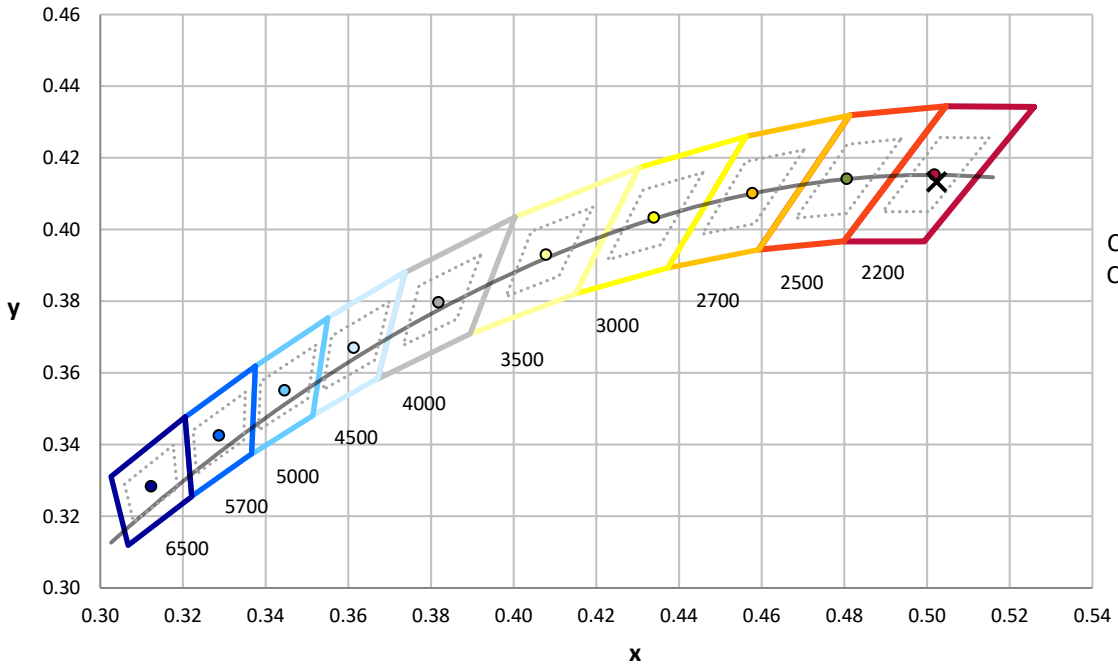
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

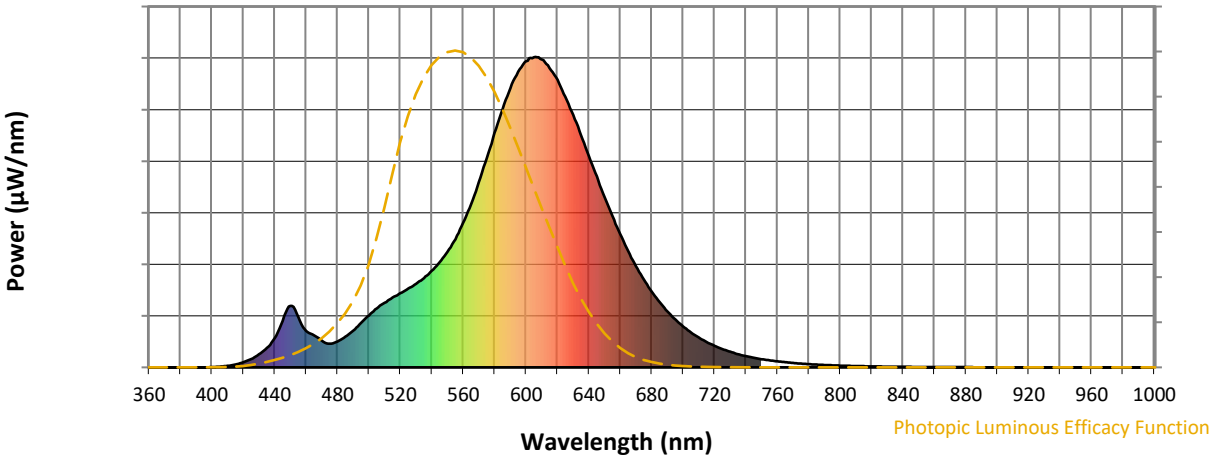


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

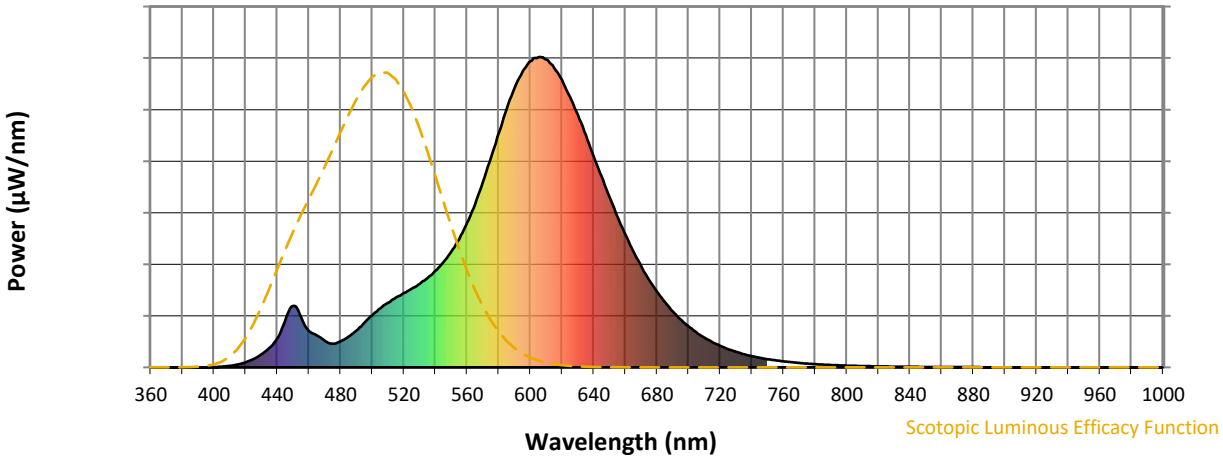


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

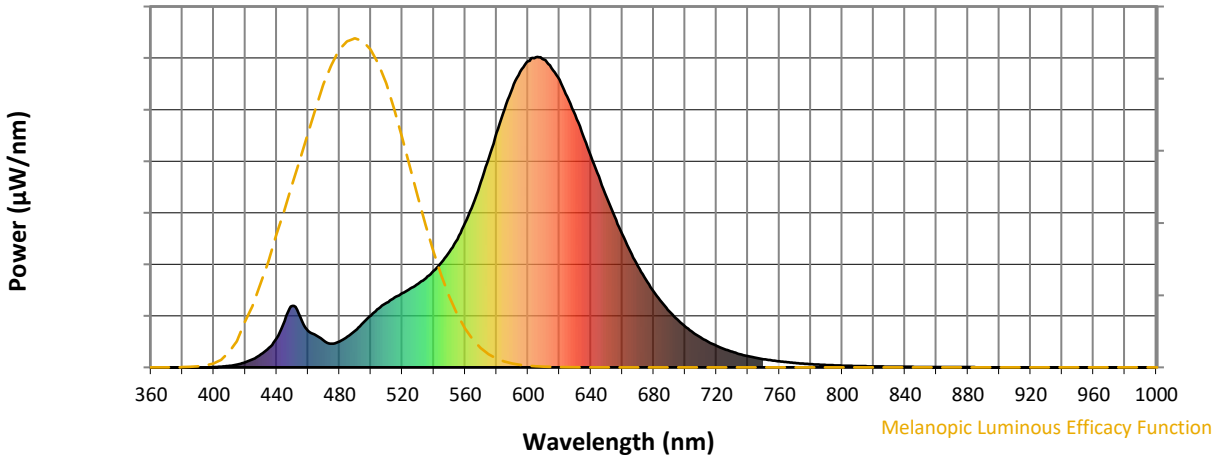


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

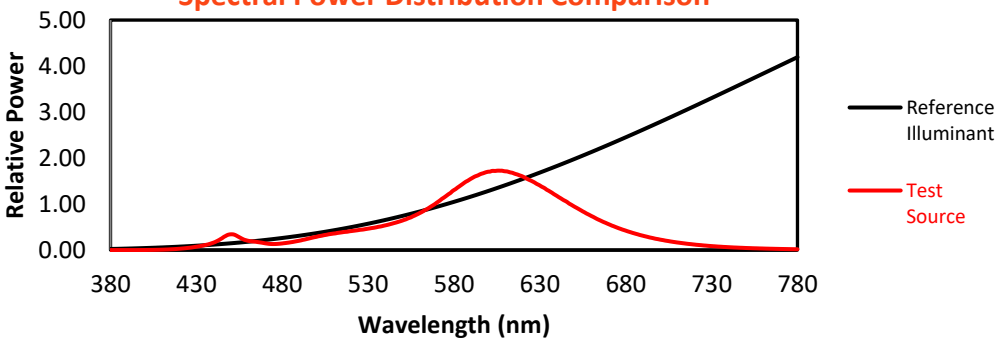
REPORT NUMBER: SP1-2501-332-2

TM-30-18

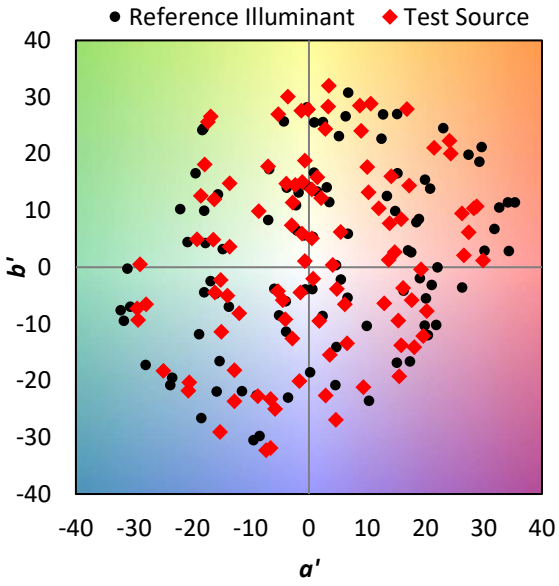
Summary

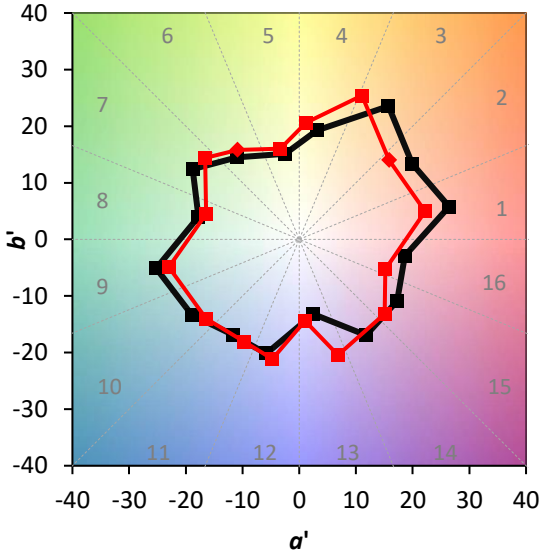
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

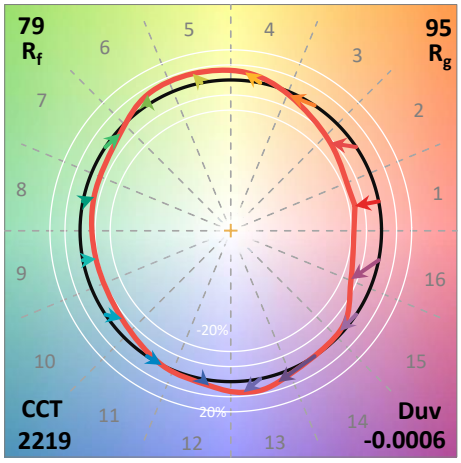
Spectral Power Distribution Comparison

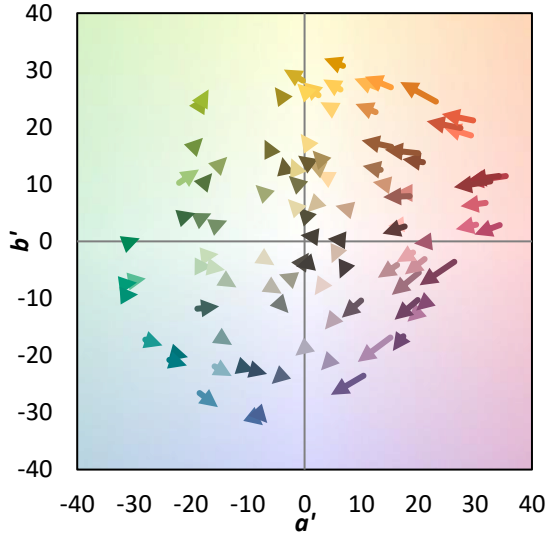


Color Vector Graphics







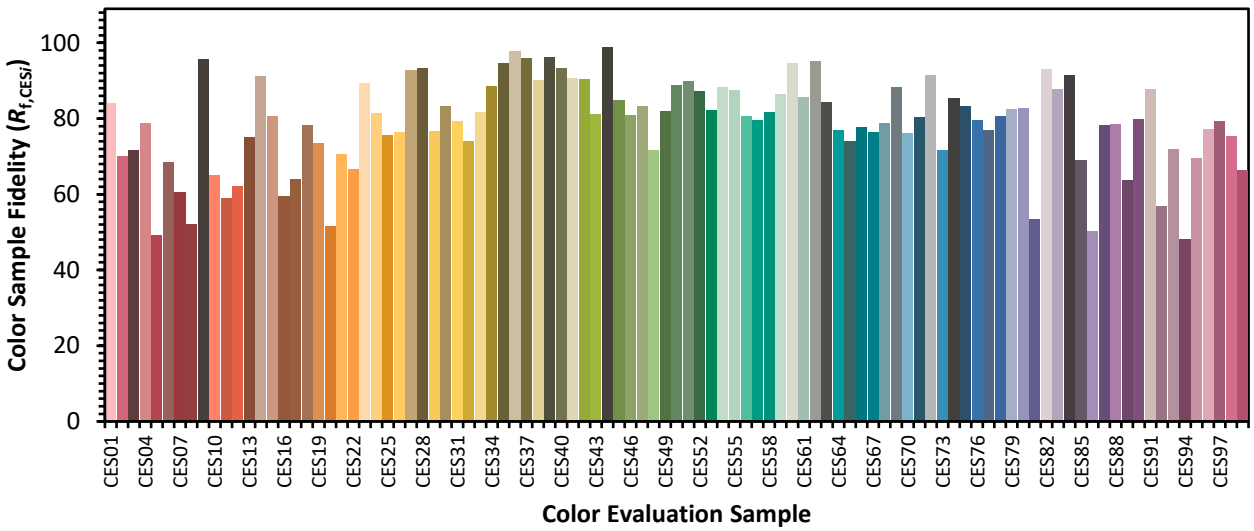


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

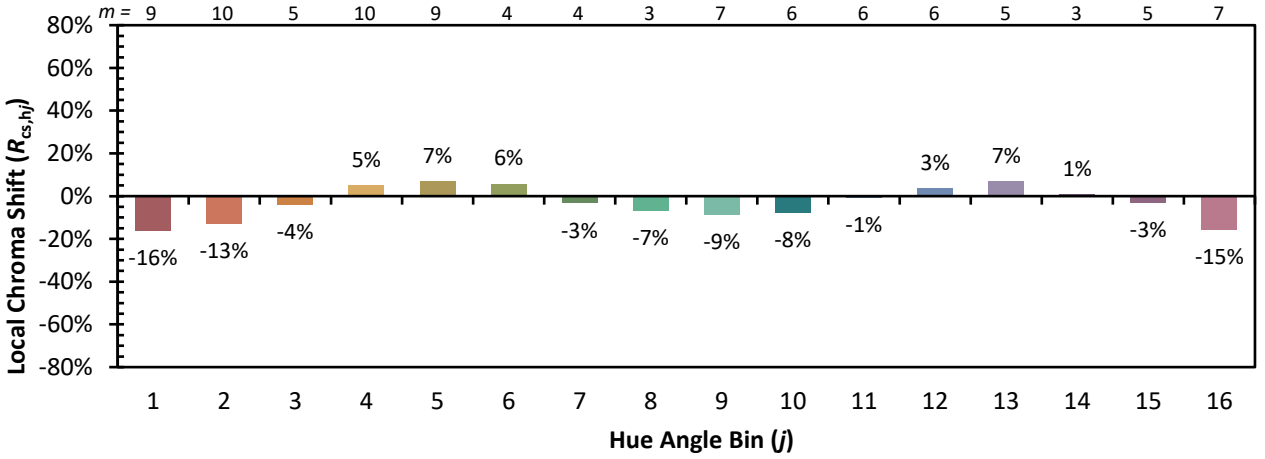
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

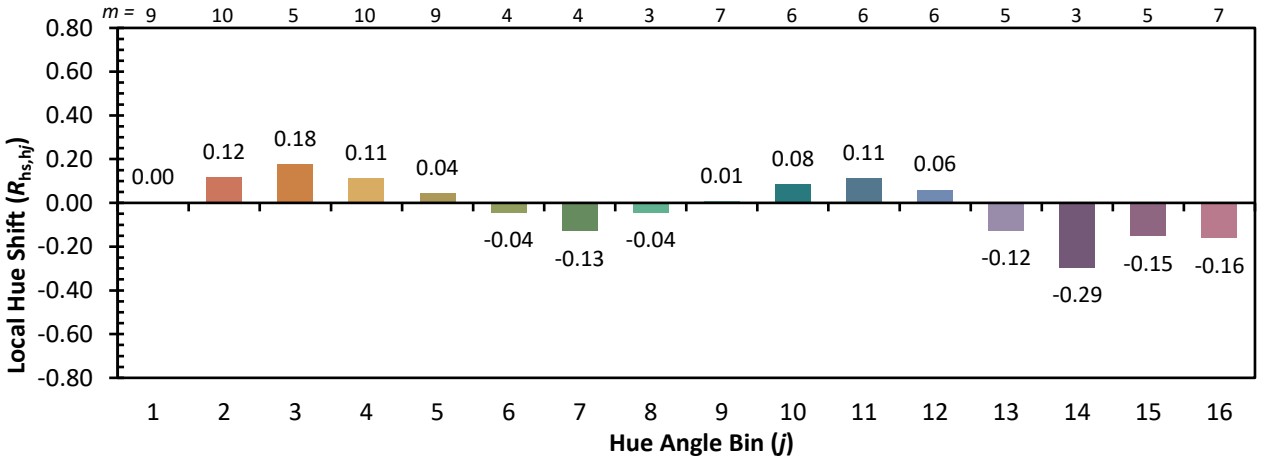


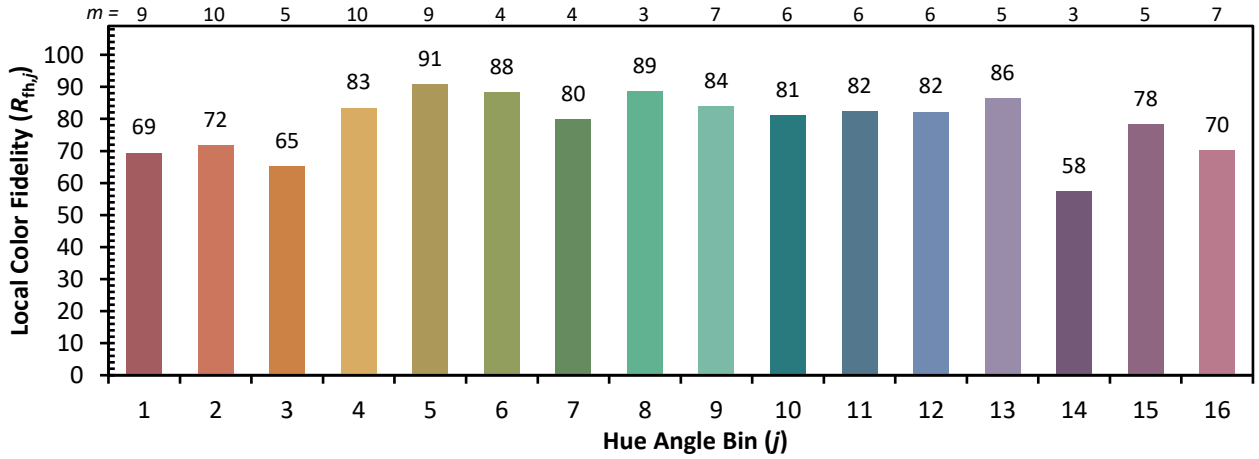
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Color Rendition by Hue-Angle Bin



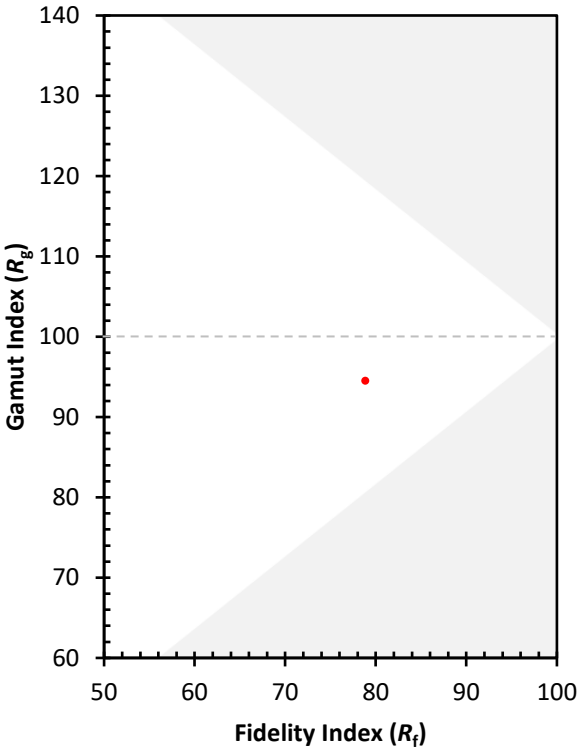


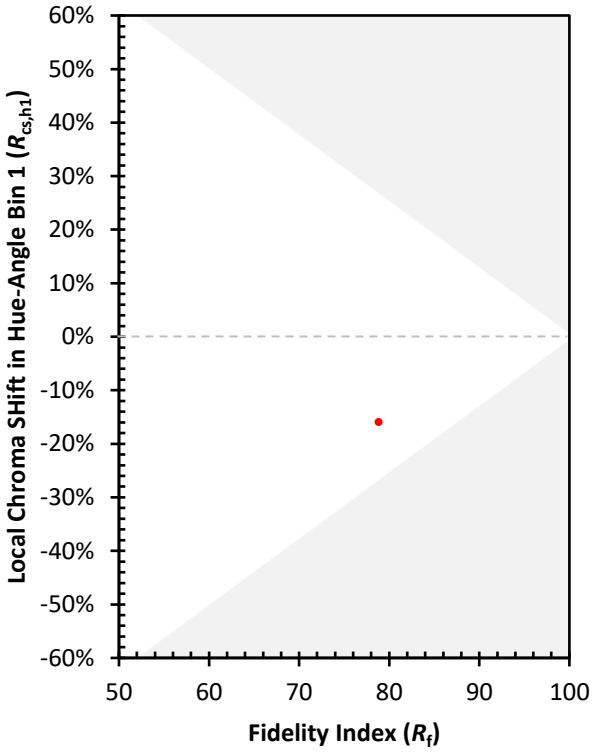


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Measure Comparisons





(END OF REPORT)