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: P1223991

Luminaire Tested: **FFX-CLB-50-730-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223991
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7648.5 lumens
Efficiency:	N/A
Efficacy:	151.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

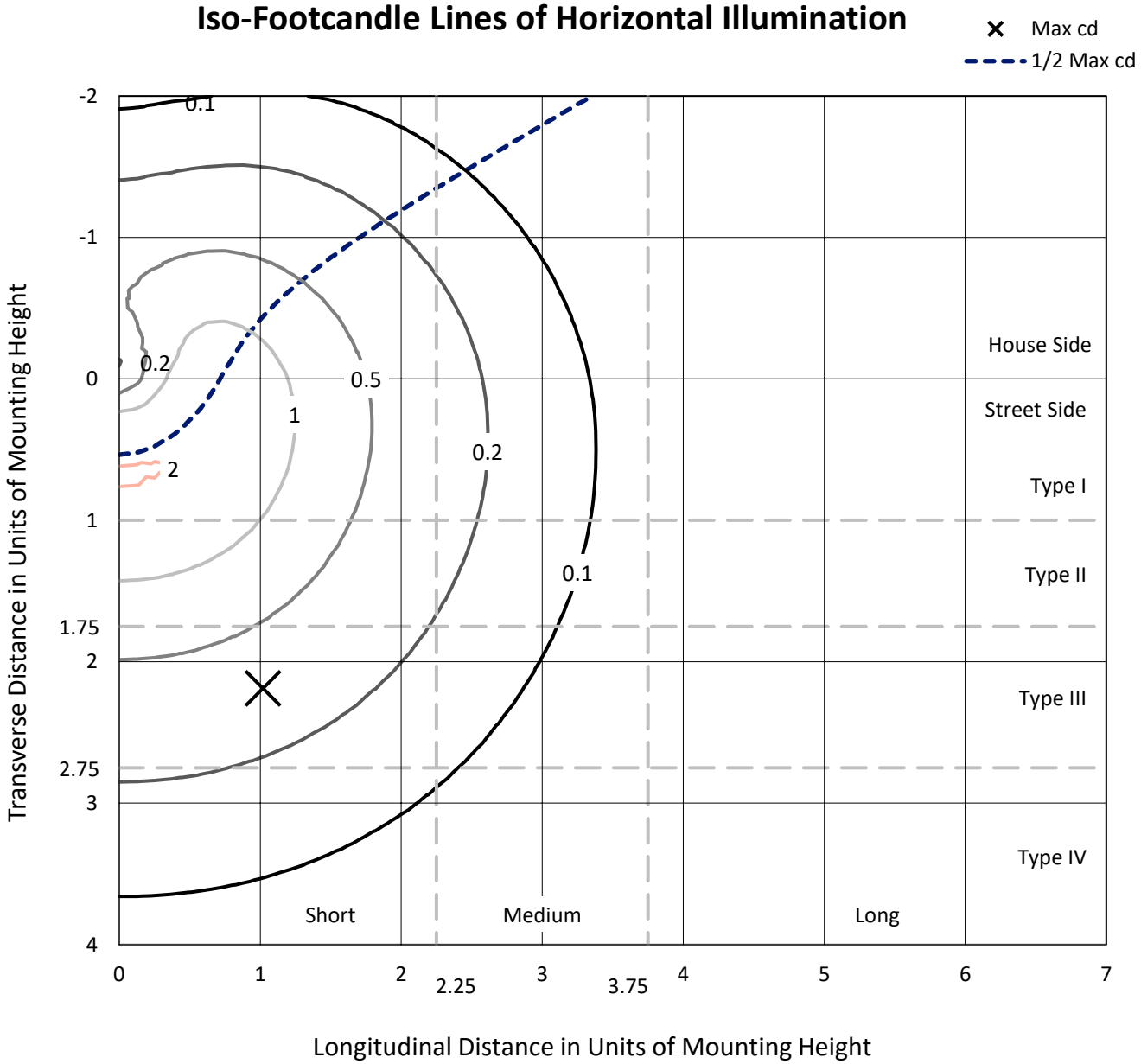


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Iso-Footcandle Lines of Horizontal Illumination



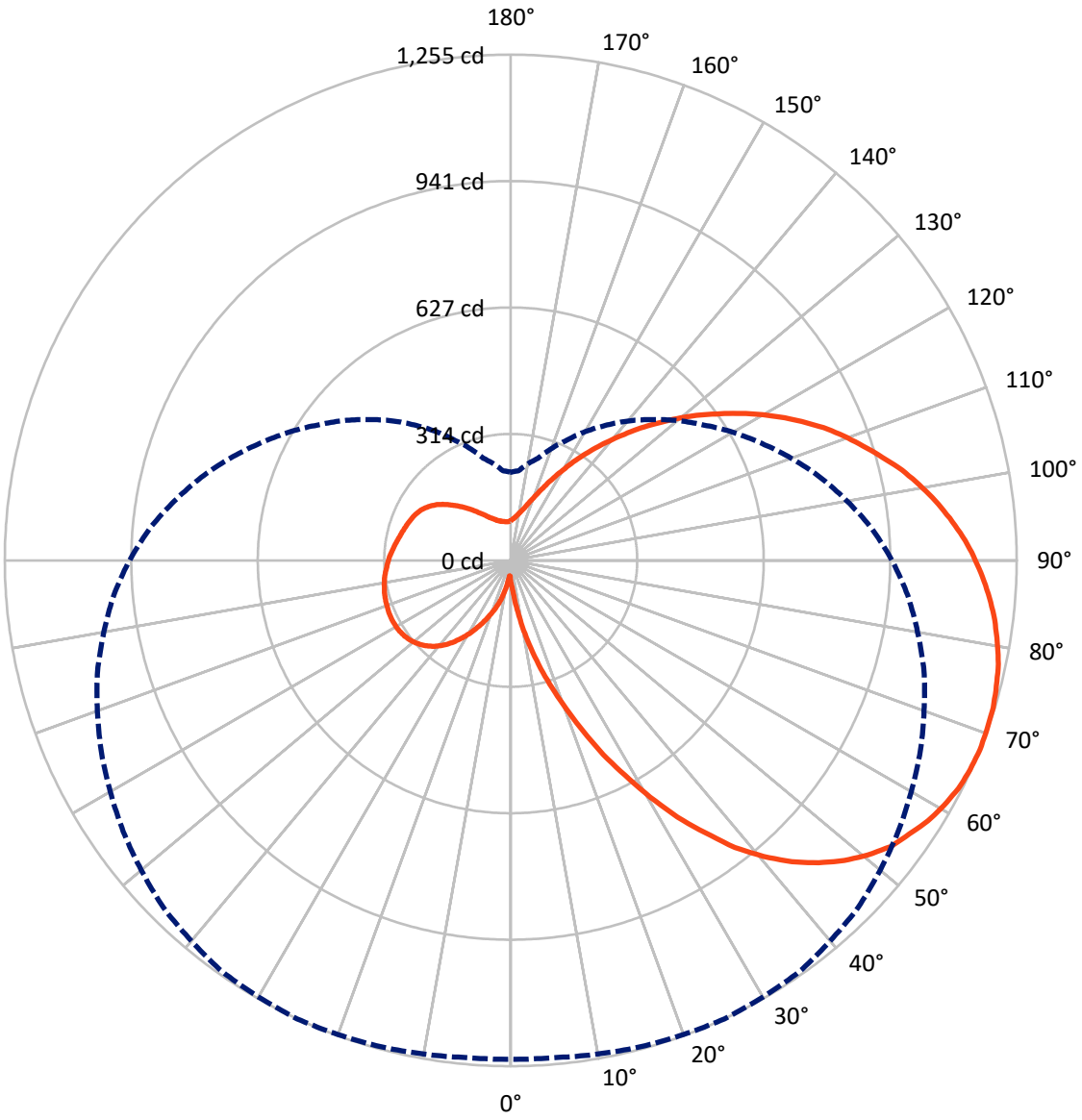
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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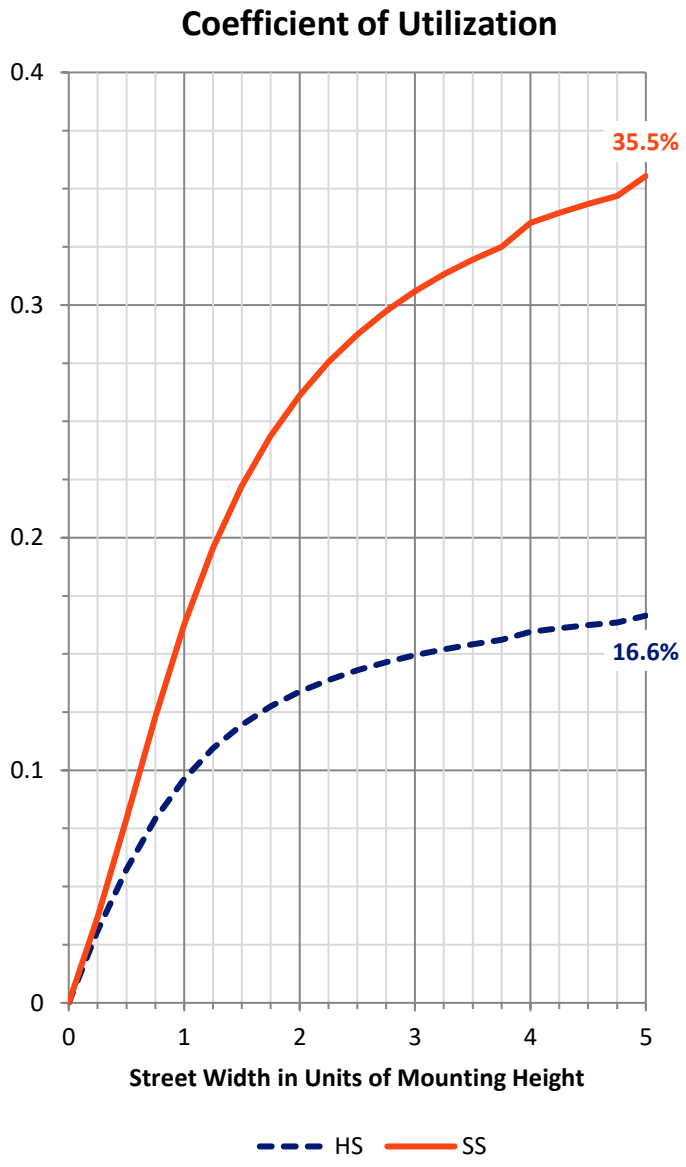
REPORT NUMBER: P1223991
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.7	1070.7	2471.4
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	3095.1	2082.0	5177.1
	% Fixture	40.5	27.2	67.7
Total	Lumens	4495.8	3152.7	7648.5
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	58.2	0.8
20°-30°	174.2	2.3
30°-40°	358.6	4.7
40°-50°	559.9	7.3
50°-60°	725.1	9.5
60°-70°	836.1	10.9
70°-80°	889.6	11.6
80°-90°	885.7	11.6
90°-100°	826.3	10.8
100°-110°	722.3	9.4
110°-120°	591.5	7.7
120°-130°	439.9	5.8
130°-140°	286.1	3.7
140°-150°	162.1	2.1
150°-160°	79.9	1.0
160°-170°	34.9	0.5
170°-180°	9.8	0.1
0°-90°	4495.8	58.8
0°-180°	7648.5	100.0



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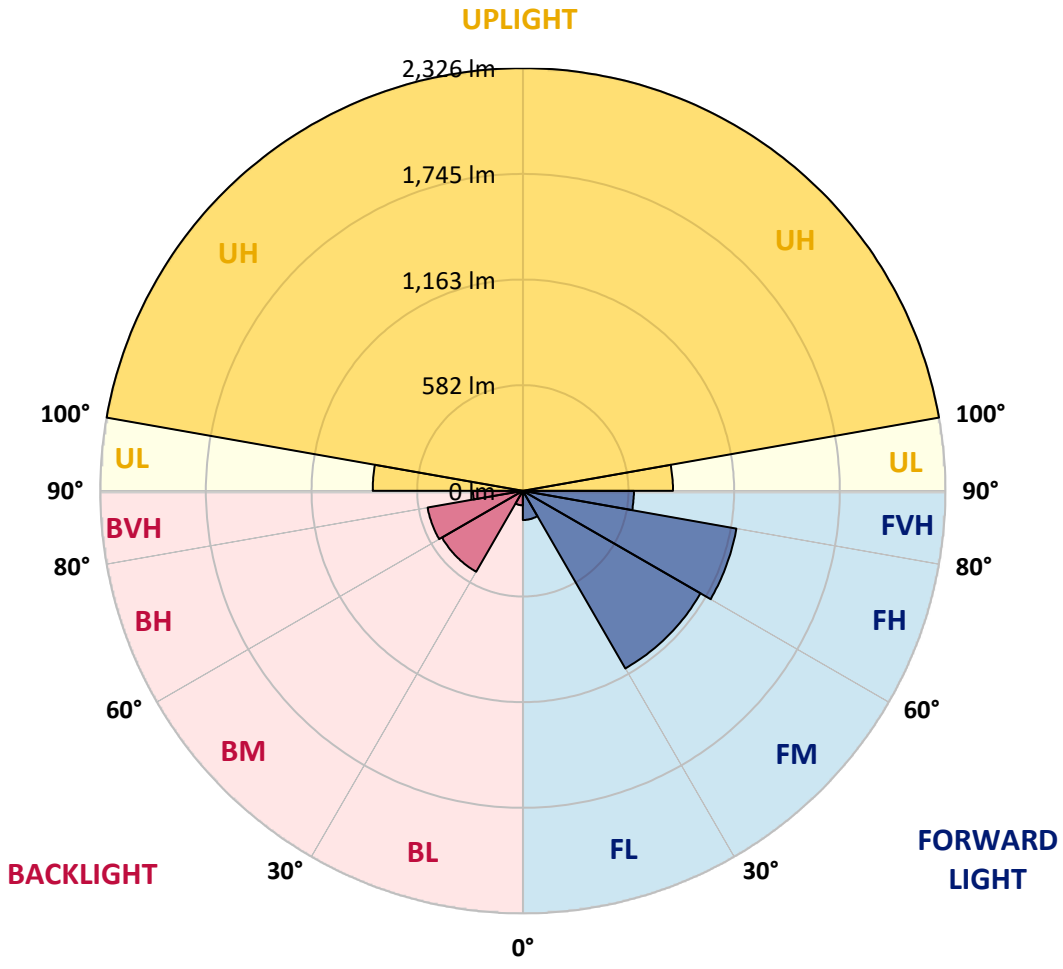
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CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	160.7	2.1			
FM	(30°-60°)	1129.3	14.8			
FH	(60°-80°)	1193.7	15.6			G1/1800
FVH	(80°-90°)	611.4	8.0			G4/750
BL	(0°-30°)	80.1	1.0	B0/110		
BM	(30°-60°)	514.3	6.7	B1/1000		
BH	(60°-80°)	532.0	7.0	B2/1000		G2/1000
BVH	(80°-90°)	274.4	3.6			G3/500
UL	(90°-100°)	826.3	10.8		U4/1000	
UH	(100°-180°)	2326.4	30.4		U5	

BUG Rating: B2-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
2.5°	66.0	66.0	66.5	66.5	65.5	66.0	65.1	63.6	62.6	60.2	59.2
5°	96.1	94.7	95.2	94.2	92.2	91.3	87.4	84.5	79.6	74.3	71.9
7.5°	133.5	134.0	132.1	129.6	129.1	123.8	122.8	113.6	109.7	100.5	98.1
10°	179.6	178.7	176.7	176.2	171.9	166.5	158.3	153.4	140.8	134.0	128.7
12.5°	230.1	230.6	227.2	223.8	219.9	212.7	201.5	193.7	183.5	169.4	162.7
15°	284.5	282.6	282.6	278.7	272.9	264.6	255.9	244.7	230.1	215.1	205.4
17.5°	335.0	338.9	337.4	332.6	327.2	317.0	307.8	292.3	276.3	259.8	247.6
20°	398.1	399.1	396.7	392.3	387.4	375.8	364.6	349.1	329.2	303.5	293.3
22.5°	461.7	463.7	463.7	461.2	454.5	444.3	426.3	409.3	384.5	358.8	341.8
25°	535.0	533.6	535.0	533.6	522.4	513.2	494.7	474.4	447.7	416.1	395.7
27.5°	608.8	610.8	606.9	603.5	599.1	584.6	564.7	538.9	505.4	472.4	450.6
30°	680.7	685.1	685.1	681.2	674.4	659.8	637.5	609.8	572.9	531.2	505.4
32.5°	756.0	757.4	759.4	758.9	751.1	737.0	712.3	674.9	633.6	587.5	562.2
35°	835.6	831.2	832.2	829.3	825.9	808.4	779.8	743.8	699.2	647.7	617.1
37.5°	901.6	899.7	901.1	903.6	894.3	876.4	843.4	801.6	752.6	698.7	668.1
40°	964.3	962.8	965.2	965.7	956.5	935.6	900.6	860.4	807.4	745.3	716.6
42.5°	1016.7	1016.7	1019.1	1022.0	1012.3	990.0	954.5	906.5	852.1	789.5	754.5
45°	1065.2	1063.8	1068.6	1070.1	1060.4	1038.1	998.2	949.7	891.4	827.8	791.4
47.5°	1104.1	1104.6	1109.4	1112.3	1103.6	1078.4	1038.1	986.6	925.9	859.4	822.0
50°	1136.1	1140.5	1144.9	1148.3	1139.0	1113.8	1072.0	1016.2	955.5	888.5	849.7
52.5°	1168.2	1168.2	1175.0	1179.3	1169.1	1142.9	1099.2	1044.8	982.7	911.8	873.9
55°	1188.6	1189.1	1197.3	1198.8	1192.4	1165.3	1120.6	1066.2	1004.1	932.7	892.4
57.5°	1206.5	1207.0	1216.2	1219.6	1210.9	1184.7	1139.0	1082.7	1022.0	949.2	908.4
60°	1222.1	1221.6	1229.3	1234.2	1225.5	1197.8	1153.1	1098.3	1036.1	964.3	922.0
62.5°	1231.8	1231.8	1241.0	1245.9	1236.6	1209.4	1163.8	1109.4	1047.3	974.4	932.7
65°	1236.1	1237.1	1245.9	1251.7	1242.9	1215.3	1169.6	1116.2	1055.0	982.7	940.5
67.5°	1237.6	1238.1	1248.8	1254.6	1246.3	1218.2	1173.0	1120.6	1060.9	988.0	945.3
70°	1238.6	1239.1	1247.3	1253.1	1245.9	1217.7	1174.0	1122.5	1064.3	991.0	948.2
72.5°	1233.2	1234.7	1243.9	1250.7	1242.0	1214.3	1171.6	1122.5	1063.8	992.9	949.2
75°	1226.4	1229.8	1238.1	1243.9	1236.1	1209.4	1167.7	1120.6	1063.3	991.9	949.2
77.5°	1219.6	1220.1	1230.8	1236.1	1227.9	1200.7	1160.9	1115.7	1060.4	989.0	945.8
80°	1206.0	1209.0	1218.2	1223.0	1215.8	1190.0	1151.2	1108.9	1055.0	984.2	940.5
82.5°	1196.3	1195.4	1204.6	1209.0	1201.7	1175.0	1140.0	1098.3	1047.3	975.9	933.2
85°	1177.9	1179.8	1187.1	1191.0	1182.7	1158.5	1125.0	1087.6	1036.6	966.7	923.5
87.5°	1160.4	1161.4	1166.2	1170.6	1162.3	1139.0	1108.0	1072.5	1023.5	955.0	912.8
90°	1138.6	1139.0	1144.4	1147.8	1140.5	1118.6	1090.0	1055.5	1009.4	941.9	899.7
92.5°	1118.2	1117.2	1121.1	1122.5	1116.2	1094.9	1069.1	1037.1	992.4	925.9	885.1
95°	1091.5	1091.0	1094.4	1093.4	1086.6	1068.2	1044.8	1016.7	972.5	908.9	868.6
97.5°	1061.8	1062.3	1064.3	1063.3	1056.0	1039.0	1021.1	992.9	952.1	889.0	850.2
100°	1028.8	1030.3	1033.2	1030.3	1024.0	1011.3	992.4	969.1	928.8	869.1	830.7
102.5°	1001.2	997.3	996.3	995.8	989.5	978.3	963.8	943.4	906.0	847.2	810.3
105°	964.7	962.3	961.8	956.5	954.1	944.8	932.7	914.2	880.7	825.4	789.5
107.5°	926.4	926.9	924.9	918.6	915.2	908.9	902.1	885.6	853.6	801.1	768.1
110°	891.9	889.5	884.1	881.2	878.8	873.5	869.1	856.5	826.8	777.8	744.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	849.2	850.6	844.3	*842.4*	838.5	838.0	835.1	824.9	798.7	753.0	722.0
115°	810.8	809.9	803.5	*799.7*	798.2	799.2	801.1	793.8	769.6	726.3	697.7
117.5°	768.6	765.7	761.3	*757.4*	755.5	759.4	763.7	760.3	739.9	699.2	672.0
120°	723.4	723.9	717.6	*713.7*	714.2	720.5	726.3	724.4	705.0	668.6	644.3
122.5°	681.2	678.8	673.4	*669.5*	672.9	679.7	686.5	686.0	669.1	633.6	611.8
125°	635.1	634.6	629.2	*625.4*	628.3	636.0	644.3	645.3	629.2	599.6	577.8
127.5°	591.4	589.9	588.9	*584.6*	586.5	597.2	603.0	602.5	588.5	561.3	542.3
130°	549.6	549.1	543.3	*541.4*	543.8	552.5	558.4	557.4	546.2	522.4	505.4
132.5°	507.4	505.4	503.0	*500.1*	502.0	509.3	517.1	516.1	503.0	480.2	466.6
135°	465.6	464.2	462.2	*460.3*	461.7	469.0	475.8	473.9	462.7	442.3	428.7
137.5°	427.3	425.8	423.4	*421.0*	422.9	428.7	433.1	431.6	422.4	403.0	389.9
140°	387.4	388.4	385.5	*383.6*	384.5	390.4	393.8	391.8	381.6	365.6	354.9
142.5°	351.0	351.0	349.6	*349.1*	350.5	353.5	356.4	352.5	345.7	329.2	320.4
145°	316.1	316.6	316.1	*315.1*	315.6	319.0	319.5	318.0	310.3	298.1	288.4
147.5°	283.1	284.5	283.5	*283.5*	284.0	285.5	287.4	284.0	277.2	266.6	259.8
150°	252.5	253.4	253.4	*252.5*	252.5	254.4	254.4	252.0	246.6	237.9	231.6
152.5°	225.8	226.3	226.3	*225.3*	225.8	226.3	225.3	222.4	218.0	211.2	206.3
155°	201.5	202.5	201.0	*201.5*	200.0	200.5	200.0	198.1	193.2	187.4	184.5
157.5°	179.6	181.1	180.1	*180.1*	179.2	178.7	178.2	176.2	172.8	168.0	164.6
160°	162.2	163.1	161.7	*161.7*	160.7	160.7	158.8	157.8	154.4	150.0	148.1
162.5°	147.1	147.1	146.6	*147.1*	146.6	145.2	144.2	142.3	139.3	135.9	134.5
165°	135.0	134.5	134.5	*134.0*	133.5	132.5	131.1	130.1	127.2	124.3	123.3
167.5°	125.8	125.3	124.8	*124.3*	123.3	122.8	121.4	120.4	118.0	115.6	114.6
170°	118.0	118.0	117.0	*116.5*	116.0	115.1	113.6	112.2	110.2	108.8	107.8
172.5°	111.2	111.2	110.7	*110.2*	109.7	108.8	107.3	106.3	104.9	103.4	102.4
175°	106.3	106.3	105.8	*104.9*	104.4	103.4	102.4	101.5	100.0	99.0	98.6
177.5°	102.4	102.4	102.4	*101.5*	101.0	100.0	99.0	98.1	97.6	96.6	96.6
180°	97.6	97.6	97.6	*97.6*	97.6	97.6	97.6	97.6	97.6	97.6	97.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
2.5°	57.8	54.9	52.4	48.6	45.2	42.2	40.3	38.8	37.9	36.9
5°	68.9	63.6	58.3	52.4	47.1	42.2	38.4	35.4	34.0	34.0
7.5°	94.2	85.9	76.7	68.5	62.1	55.8	50.0	46.6	44.7	43.7
10°	123.3	111.2	102.0	91.8	80.6	72.8	66.0	61.7	59.2	59.7
12.5°	158.3	143.2	131.6	116.5	104.4	92.2	85.0	78.7	75.7	75.3
15°	197.1	179.6	162.7	144.7	128.7	114.6	103.9	95.6	90.8	90.3
17.5°	237.9	216.1	193.2	172.8	152.0	134.5	119.9	110.2	104.9	104.9
20°	279.2	254.4	227.7	201.0	175.8	154.4	137.4	124.8	118.0	117.0
22.5°	326.8	295.2	263.2	230.6	202.0	175.3	153.4	138.4	131.1	129.6
25°	378.7	341.3	303.0	264.6	229.2	197.1	171.9	154.9	144.7	143.2
27.5°	432.6	387.4	342.3	297.6	256.4	220.9	190.3	168.5	158.3	156.8
30°	485.5	436.0	383.6	331.1	284.5	243.7	208.8	183.5	170.9	169.0
32.5°	537.5	481.2	423.4	365.1	314.1	266.6	225.8	198.6	183.0	181.1
35°	587.0	528.7	461.2	398.6	340.4	289.4	243.7	212.2	194.7	192.8
37.5°	635.6	569.5	498.6	429.7	366.6	308.8	260.2	224.8	205.4	203.4
40°	681.7	608.4	531.2	458.3	389.4	328.2	274.3	236.0	214.1	211.7
42.5°	717.1	641.9	561.3	482.6	409.3	342.8	286.9	244.7	220.9	217.5
45°	752.6	672.0	587.0	504.0	426.8	356.9	297.1	252.5	227.2	223.3
47.5°	781.7	697.7	607.9	521.5	441.3	369.0	305.9	257.8	231.1	227.2
50°	809.4	720.5	627.3	537.5	454.5	379.7	313.2	262.2	233.5	229.7
52.5°	830.7	739.5	642.8	550.1	465.1	387.4	319.0	265.1	235.0	230.6
55°	848.7	755.0	655.5	559.8	473.4	394.2	323.4	266.6	235.0	230.6
57.5°	863.7	767.1	665.7	568.5	479.7	398.6	326.3	267.0	233.5	229.2
60°	876.9	778.3	673.9	575.3	485.5	403.0	328.2	267.0	232.1	227.2
62.5°	887.5	786.1	680.2	580.7	489.9	406.4	329.2	266.1	229.2	224.3
65°	893.9	791.4	684.1	583.6	492.3	407.4	329.2	264.6	226.3	221.4
67.5°	*899.2*	*794.8*	*686.5*	*585.1*	*493.8*	*408.3*	*328.7*	*262.2*	*223.3*	*218.5*
70°	901.6	796.3	687.5	586.0	494.7	407.8	327.2	260.2	220.4	214.6
72.5°	902.1	796.7	687.0	586.0	494.7	407.8	325.8	257.3	217.0	211.7
75°	901.1	795.3	685.6	585.5	494.3	406.4	324.3	254.9	214.1	208.3
77.5°	898.2	792.4	683.1	583.6	491.8	404.9	321.4	252.0	210.7	205.4
80°	893.4	787.5	679.2	580.2	488.9	402.0	319.0	249.1	207.8	202.5
82.5°	886.1	781.2	674.4	575.8	486.0	398.6	316.1	246.2	204.9	199.6
85°	877.3	773.4	667.1	570.5	481.6	394.7	312.2	242.8	202.0	196.6
87.5°	865.2	763.7	659.3	564.2	475.8	389.9	307.8	239.8	199.6	194.2
90°	853.6	753.0	651.1	557.4	470.5	385.5	303.9	236.5	197.6	192.3
92.5°	840.0	740.4	640.9	549.6	463.2	379.7	300.1	233.5	195.7	190.8
95°	824.4	726.8	630.2	540.4	456.4	373.9	295.2	230.6	193.7	189.4
97.5°	806.9	712.3	618.6	530.7	448.1	367.5	290.8	228.2	192.8	187.9
100°	789.0	695.8	605.9	521.0	439.9	360.7	286.5	225.8	192.3	187.9
102.5°	768.6	680.7	593.3	511.3	431.6	354.4	282.1	224.3	192.3	187.9
105°	749.2	663.2	579.7	500.6	423.4	348.1	278.2	223.3	192.8	188.9
107.5°	728.3	646.7	566.1	489.4	414.2	341.8	274.8	222.4	193.7	189.8
110°	708.9	630.7	553.5	478.7	405.9	336.0	271.4	221.9	194.7	191.3

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

Scaled Data Report

REPORT NUMBER: P1223991
CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	687.5	613.2	539.4	467.1	397.2	329.2	268.0	220.9	195.7	192.8
115°	665.2	594.8	525.3	455.4	387.0	322.9	264.6	220.4	196.6	193.7
117.5°	640.9	574.9	508.3	441.8	376.3	315.1	259.8	218.5	196.6	193.7
120°	614.7	554.0	489.9	427.3	364.1	305.9	254.9	216.1	195.7	193.2
122.5°	586.0	529.2	468.5	408.8	350.5	295.2	247.6	211.7	193.2	190.8
125°	554.5	501.5	446.7	388.9	333.6	283.1	238.9	206.8	189.4	187.4
127.5°	521.5	472.9	420.5	368.0	317.5	270.0	229.7	199.6	184.0	182.1
130°	484.6	440.9	393.3	344.7	298.6	254.9	218.5	191.3	177.2	175.3
132.5°	449.1	409.3	366.6	323.4	278.7	240.3	206.3	182.1	169.9	168.0
135°	412.2	377.3	338.9	298.1	260.2	224.3	194.2	172.8	161.7	160.2
137.5°	376.3	346.7	310.7	274.8	241.3	208.8	182.6	164.1	153.9	152.9
140°	342.8	315.1	285.0	253.4	222.4	194.2	171.4	154.4	146.1	144.7
142.5°	310.3	286.5	259.3	232.6	203.9	180.1	160.2	145.2	138.4	137.4
145°	279.7	259.8	236.0	211.7	187.4	166.5	149.5	136.9	131.1	130.6
147.5°	251.0	234.5	213.6	193.2	172.8	155.4	139.8	130.1	124.8	124.3
150°	224.8	209.7	193.2	175.8	158.8	143.2	131.6	122.8	118.5	118.0
152.5°	200.0	188.4	174.8	160.7	146.1	134.0	123.3	117.0	113.6	113.1
155°	178.7	169.4	158.3	146.1	135.0	125.3	117.0	112.2	109.2	109.2
157.5°	160.7	152.9	144.7	135.0	125.8	118.0	112.2	107.8	105.4	105.4
160°	145.2	138.4	132.1	124.8	118.5	112.2	107.8	104.4	102.4	102.4
162.5°	132.1	127.2	122.4	117.0	111.7	107.8	103.9	101.5	100.5	100.0
165°	121.4	118.5	114.6	110.7	107.3	103.9	101.5	100.0	99.0	99.0
167.5°	113.1	111.2	108.3	105.8	103.4	101.0	99.5	98.6	98.1	98.1
170°	106.8	105.4	103.4	102.0	100.5	99.0	98.1	97.6	97.1	97.1
172.5°	102.0	100.5	99.5	99.0	98.1	97.6	97.1	96.6	96.6	96.6
175°	98.6	97.6	97.6	97.1	96.6	96.6	96.1	96.1	96.1	96.6
177.5°	96.1	96.1	96.1	96.1	96.1	96.6	96.6	96.6	97.1	97.1
180°	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

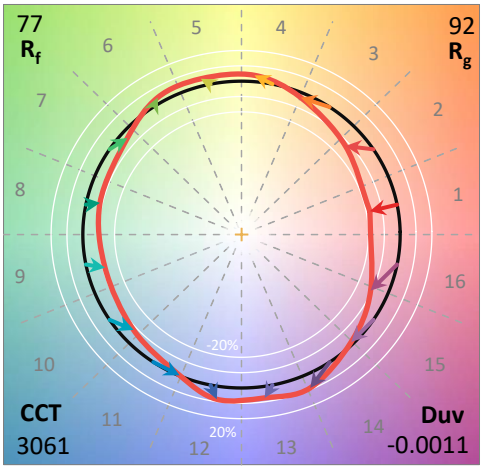
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

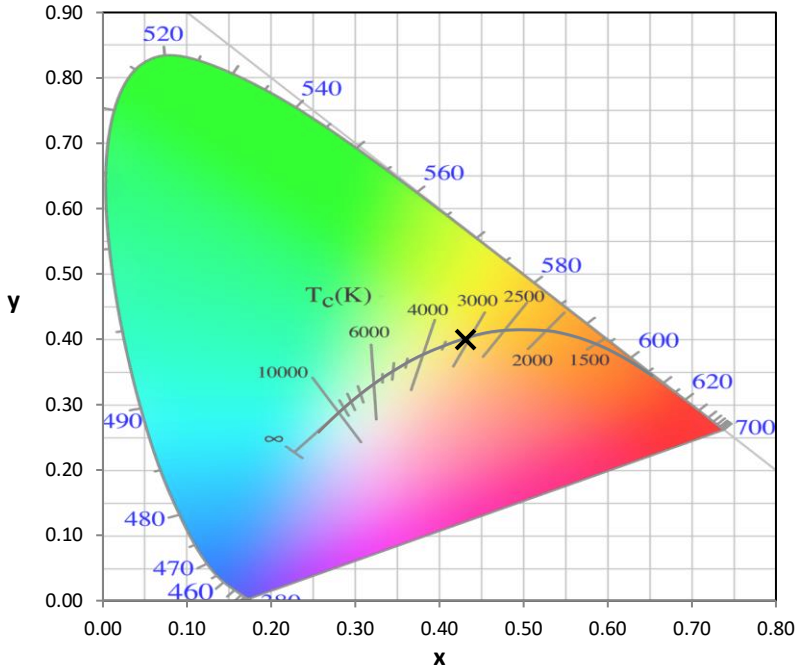
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

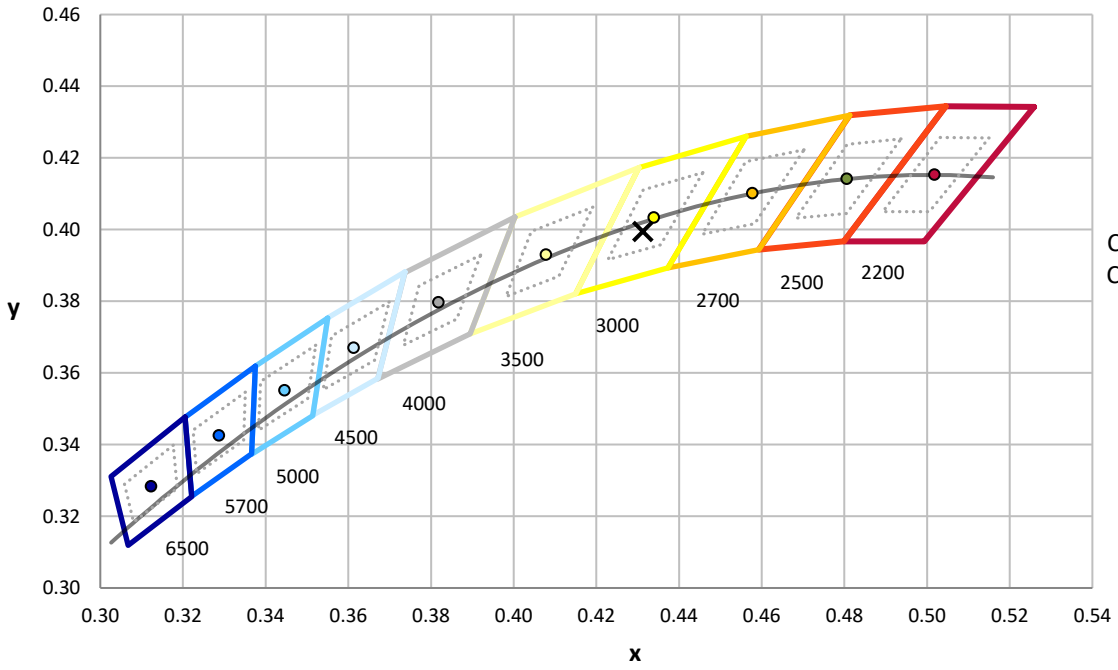
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

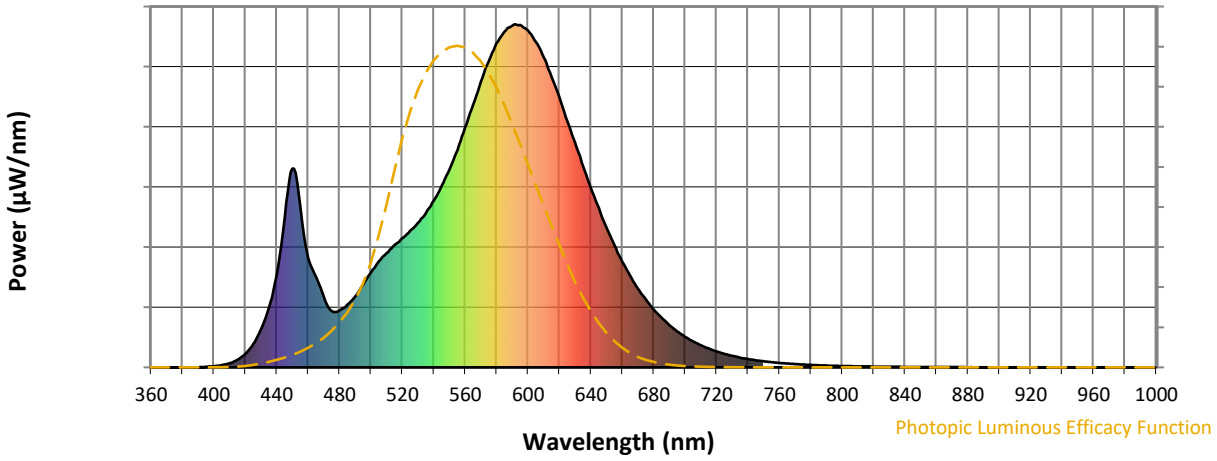


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

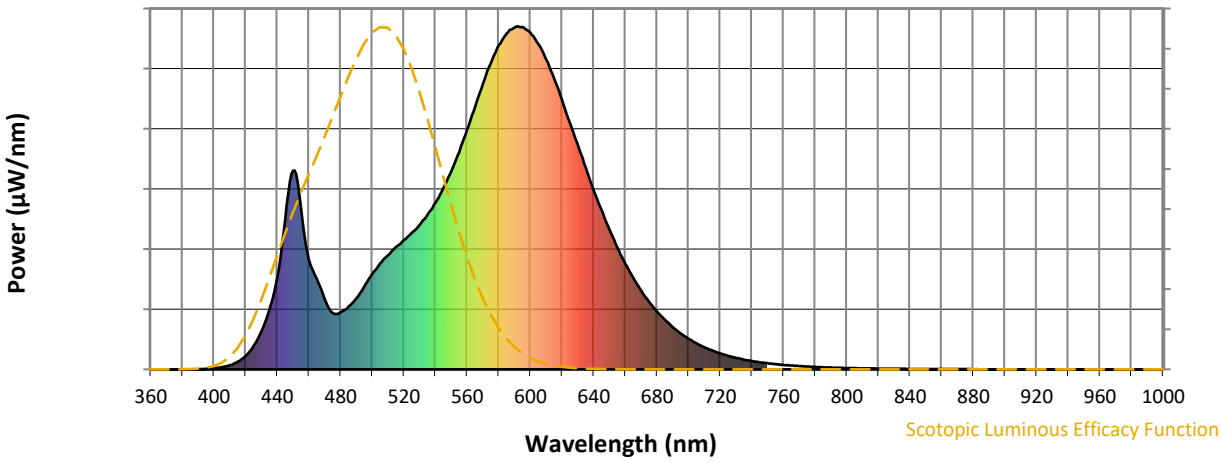


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

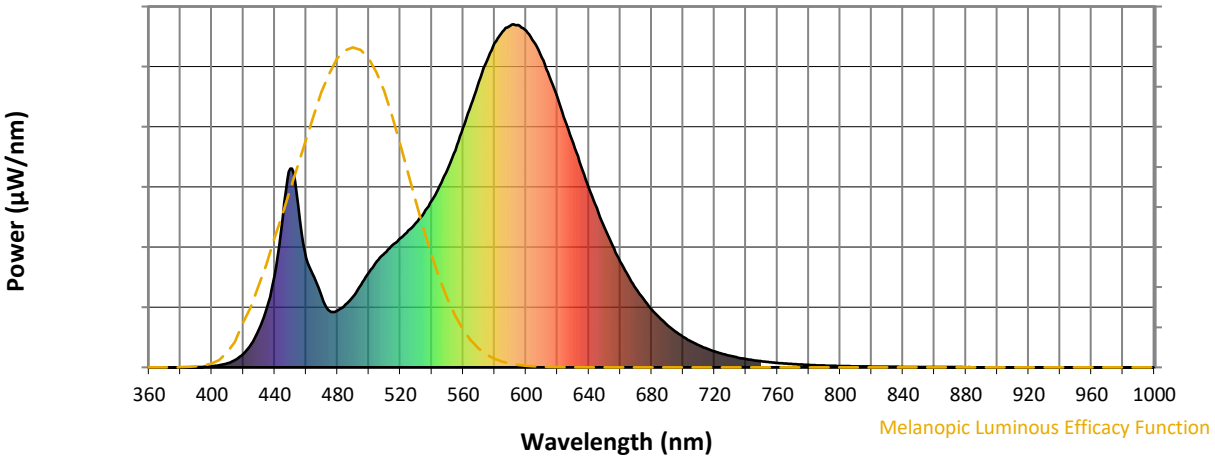


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

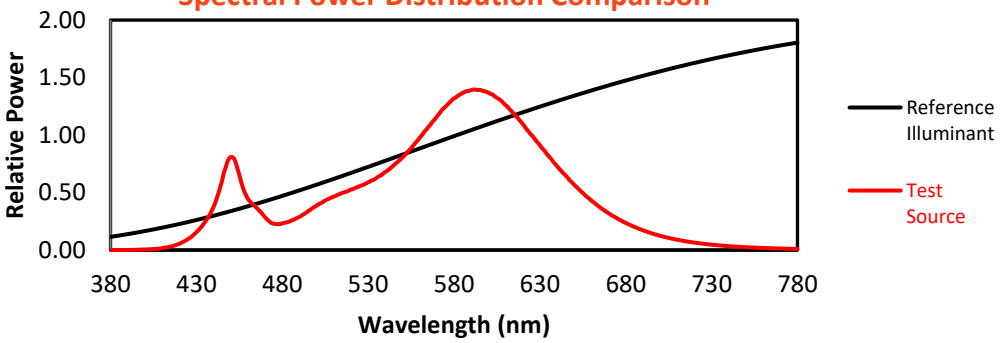
REPORT NUMBER: SP1-2501-332-4

TM-30-18

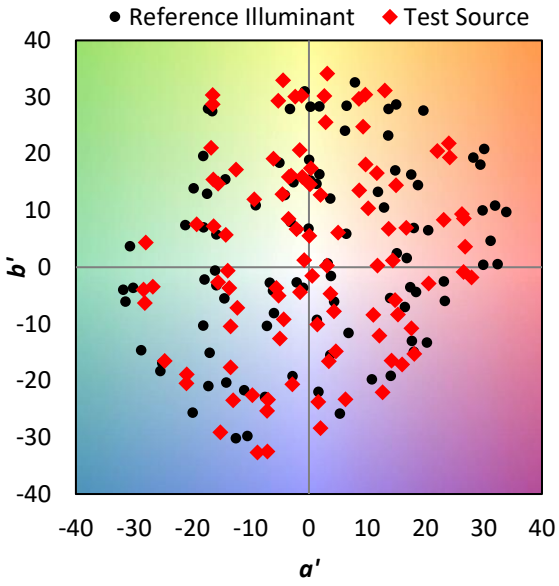
Summary

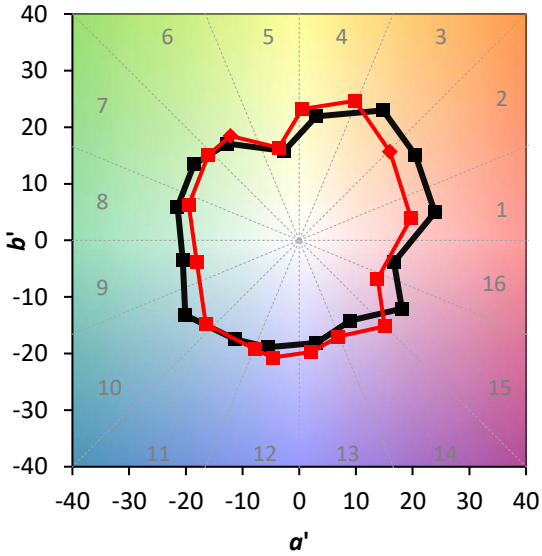
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

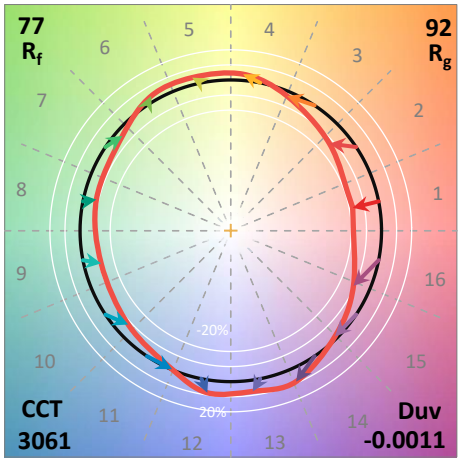
Spectral Power Distribution Comparison

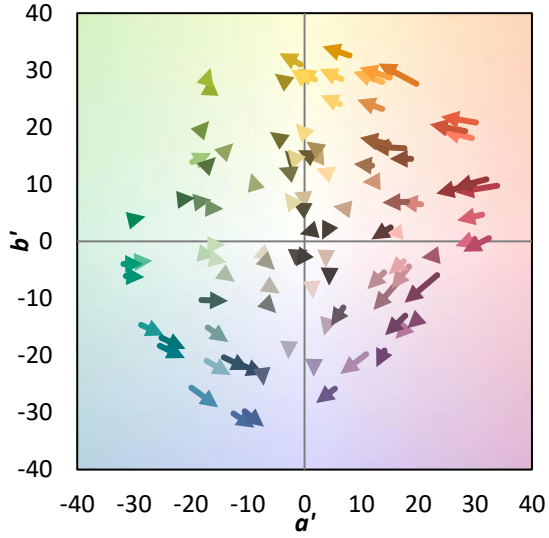


Color Vector Graphics







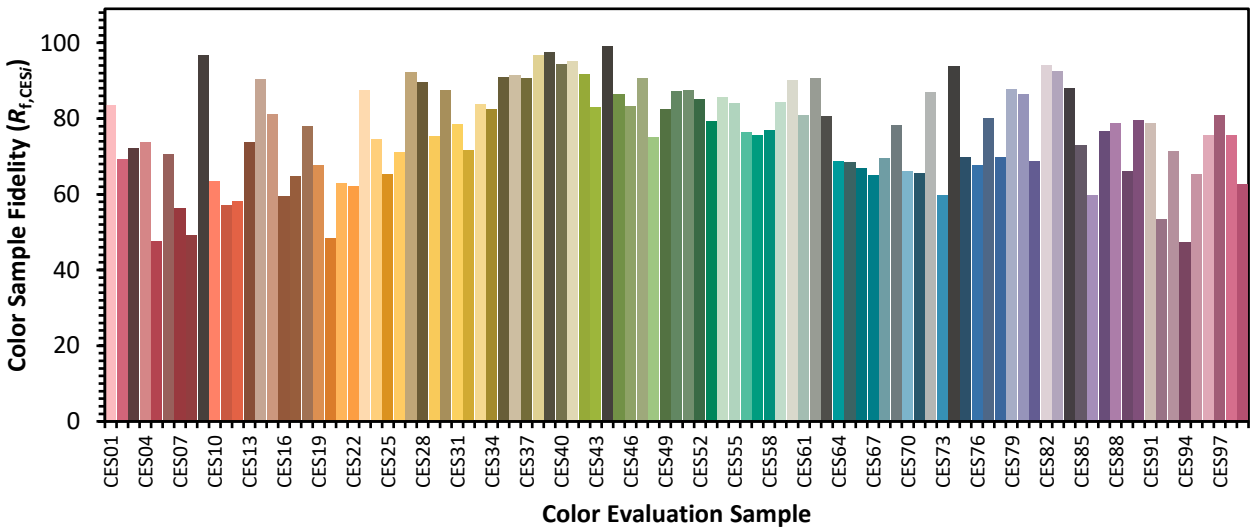


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

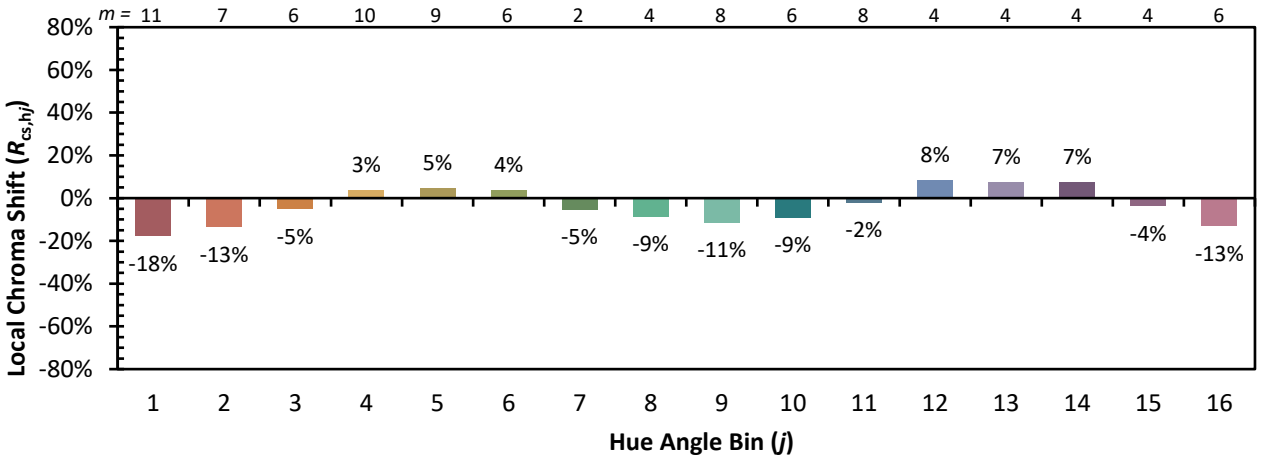
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

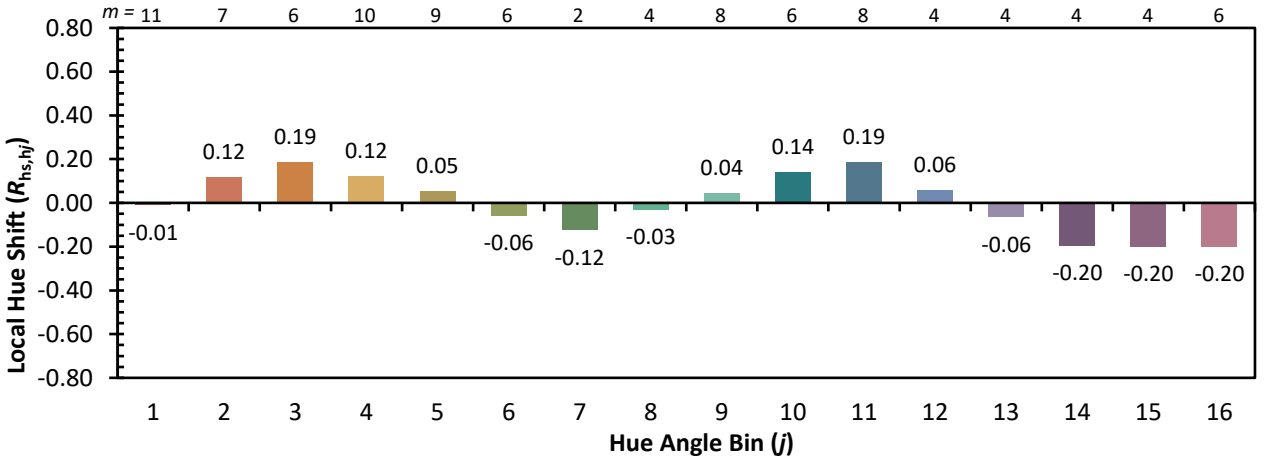


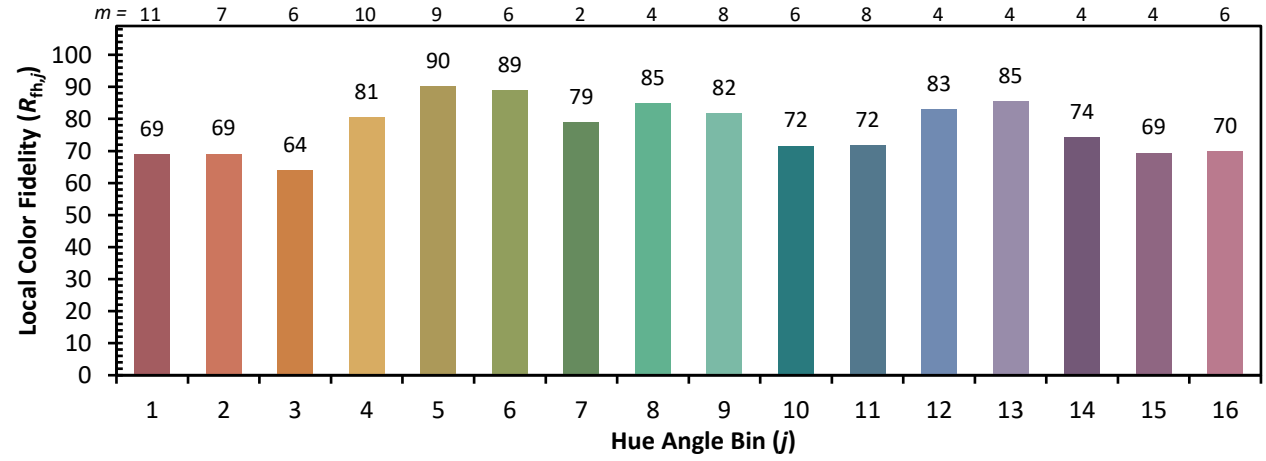
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Color Rendition by Hue-Angle Bin



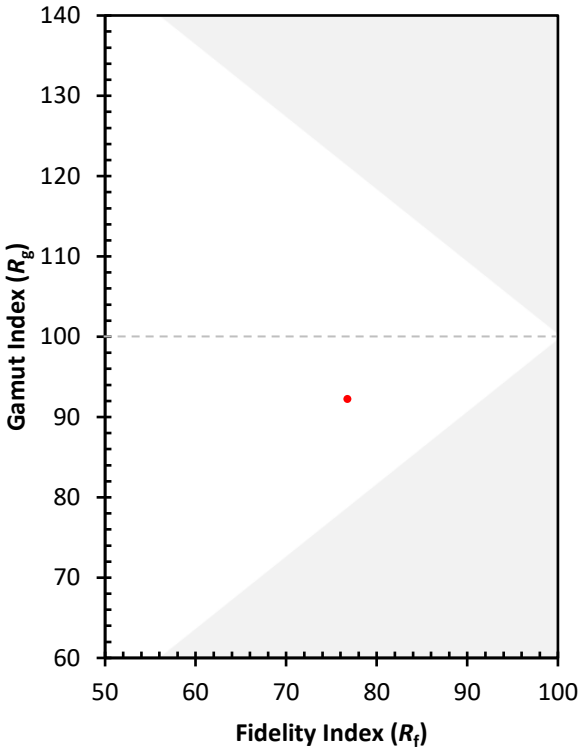


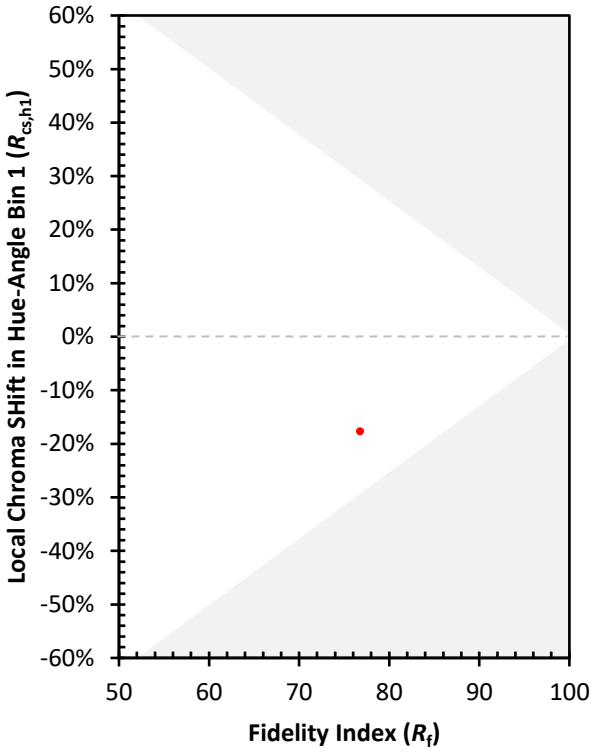


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Measure Comparisons





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