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: P1223972

Luminaire Tested: **FFX-CLB-60-722-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:	P1223972
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7649.5 lumens
Efficiency:	N/A
Efficacy:	126.2 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):	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

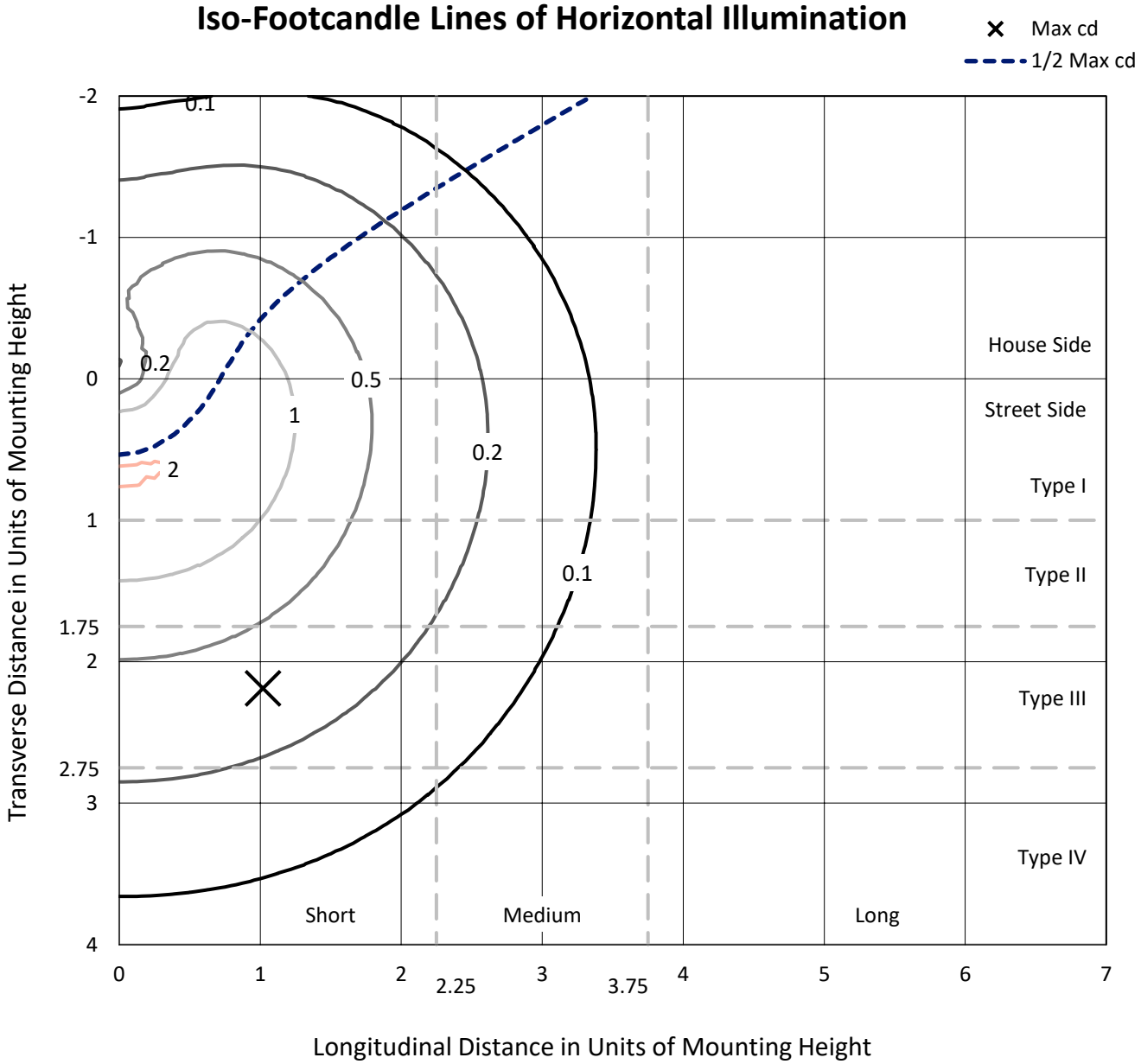


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Iso-Footcandle Lines of Horizontal Illumination



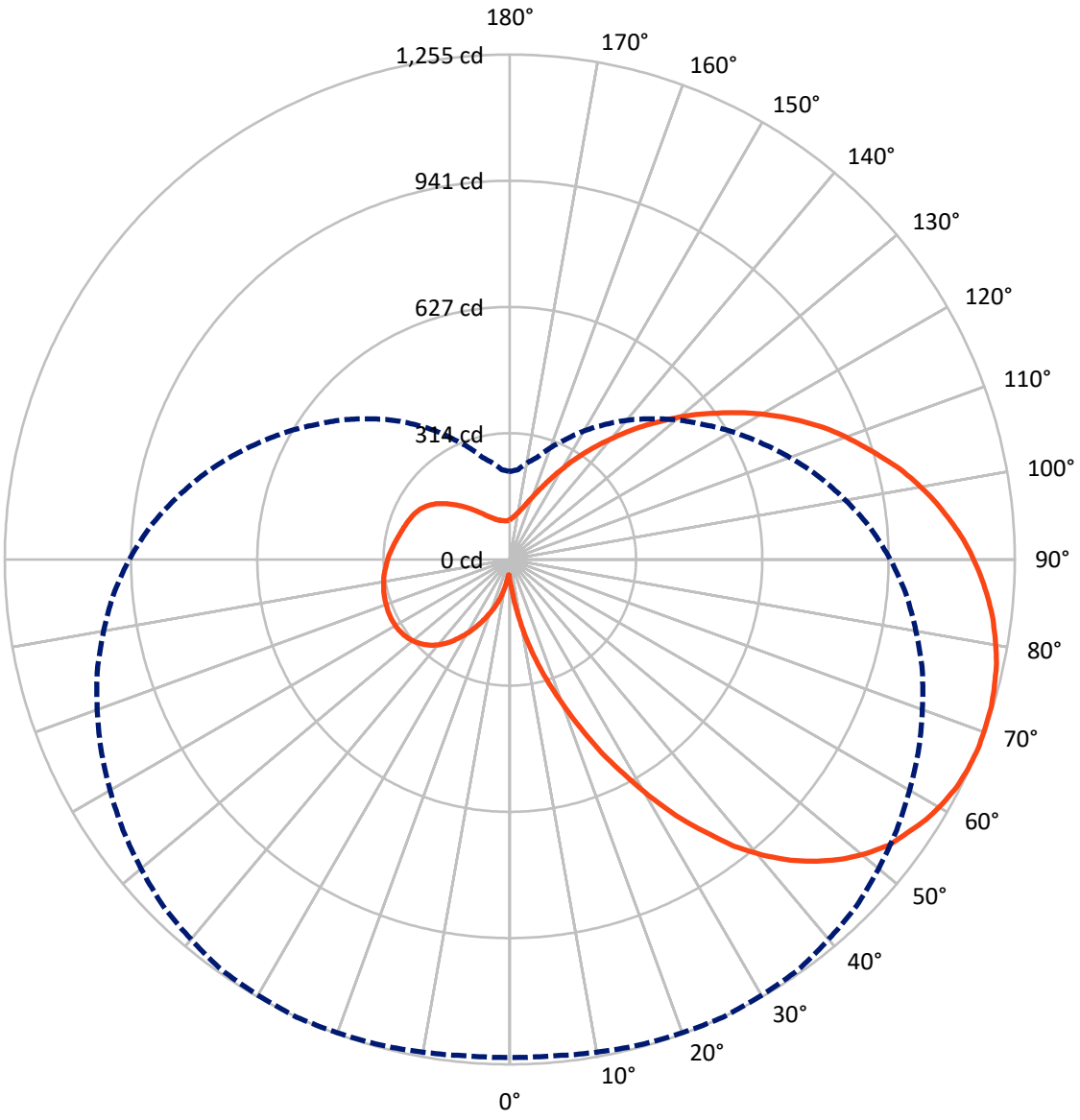
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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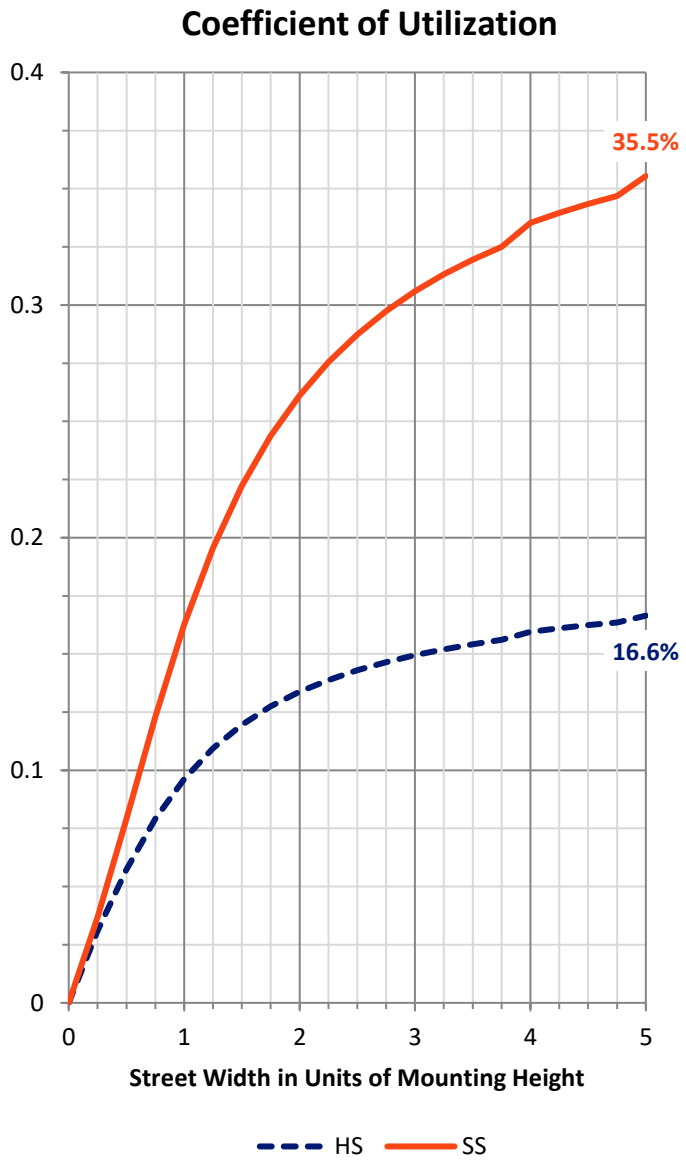
REPORT NUMBER: P1223972
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.9	1070.8	2471.7
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	3095.5	2082.3	5177.8
	% Fixture	40.5	27.2	67.7
Total	Lumens	4496.4	3153.1	7649.5
	% 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°	725.2	9.5
60°-70°	836.2	10.9
70°-80°	889.7	11.6
80°-90°	885.9	11.6
90°-100°	826.4	10.8
100°-110°	722.4	9.4
110°-120°	591.6	7.7
120°-130°	439.9	5.8
130°-140°	286.2	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°	4496.4	58.8
0°-180°	7649.5	100.0



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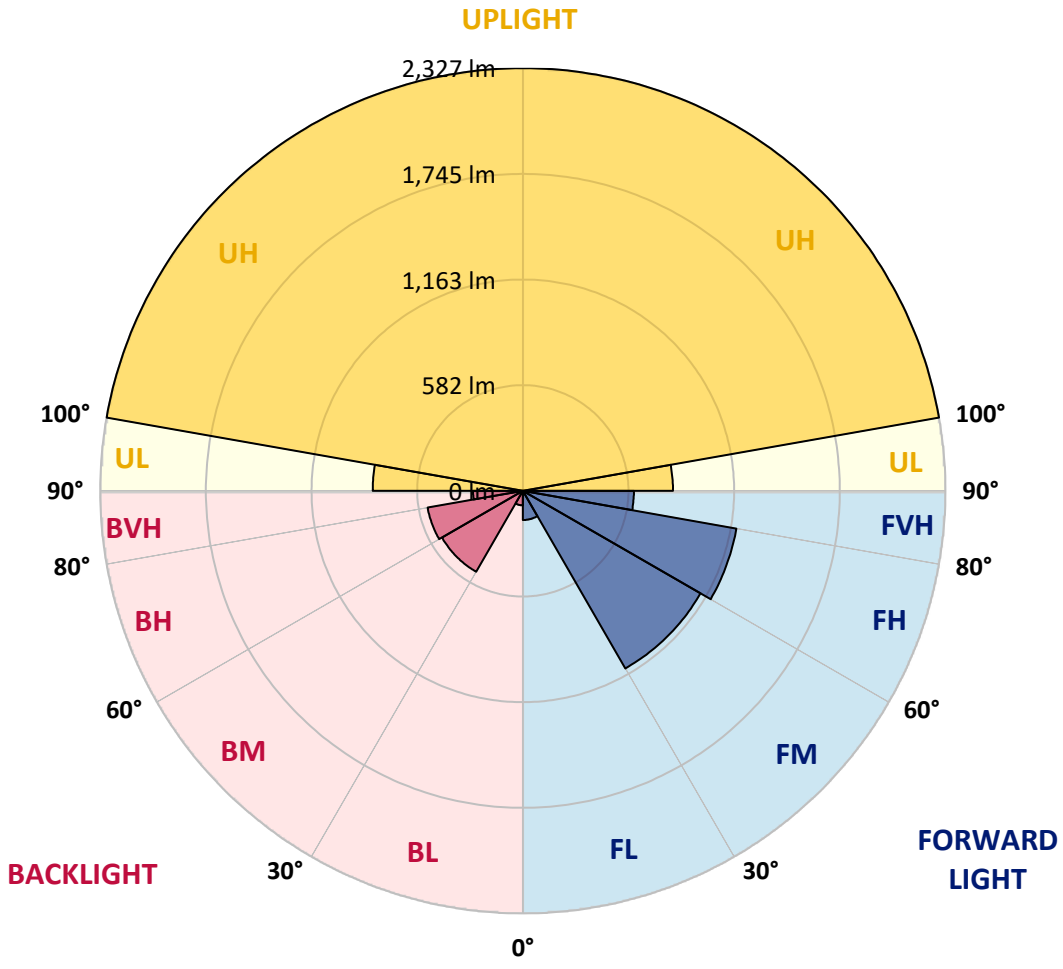
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	160.7	2.1			
FM	(30°-60°)	1129.5	14.8			
FH	(60°-80°)	1193.9	15.6			G1/1800
FVH	(80°-90°)	611.5	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°)	532.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	274.4	3.6			G3/500
UL	(90°-100°)	826.4	10.8		U4/1000	
UH	(100°-180°)	2326.7	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°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.5°	66.0	66.0	66.5	66.5	65.6	66.0	65.1	63.6	62.6	60.2	59.2
5°	96.1	94.7	95.2	94.2	92.3	91.3	87.4	84.5	79.6	74.3	71.9
7.5°	133.5	134.0	132.1	129.7	129.2	123.8	122.9	113.6	109.7	100.5	98.1
10°	179.7	178.7	176.8	176.3	171.9	166.6	158.3	153.4	140.8	134.0	128.7
12.5°	230.2	230.7	227.3	223.9	220.0	212.7	201.5	193.8	183.6	169.5	162.7
15°	284.6	282.6	282.6	278.7	272.9	264.6	255.9	244.7	230.2	215.1	205.4
17.5°	335.1	338.9	337.5	332.6	327.3	317.1	307.9	292.3	276.3	259.8	247.7
20°	398.2	399.2	396.7	392.4	387.5	375.8	364.7	349.1	329.2	303.5	293.3
22.5°	461.8	463.7	463.7	461.3	454.5	444.3	426.3	409.4	384.6	358.9	341.9
25°	535.1	533.7	535.1	533.7	522.5	513.3	494.8	474.4	447.7	416.2	395.8
27.5°	608.9	610.9	607.0	603.6	599.2	584.7	564.7	539.0	505.5	472.5	450.6
30°	680.8	685.2	685.2	681.3	674.5	659.9	637.6	609.9	573.0	531.2	505.5
32.5°	756.1	757.5	759.5	759.0	751.2	737.1	712.4	675.0	633.7	587.6	562.3
35°	835.7	831.3	832.3	829.4	826.0	808.5	779.9	743.9	699.2	647.8	617.2
37.5°	901.7	899.8	901.3	903.7	894.5	876.5	843.5	801.7	752.7	698.8	668.2
40°	964.4	962.9	965.4	965.8	956.6	935.7	900.8	860.5	807.5	745.4	716.7
42.5°	1016.8	1016.8	1019.3	1022.2	1012.5	990.1	954.7	906.6	852.2	789.6	754.6
45°	1065.4	1063.9	1068.8	1070.2	1060.5	1038.2	998.4	949.8	891.5	827.9	791.5
47.5°	1104.2	1104.7	1109.6	1112.5	1103.7	1078.5	1038.2	986.7	926.0	859.5	822.1
50°	1136.3	1140.7	1145.0	1148.4	1139.2	1113.9	1072.2	1016.3	955.6	888.6	849.8
52.5°	1168.3	1168.3	1175.1	1179.5	1169.3	1143.1	1099.4	1045.0	982.8	911.9	874.1
55°	1188.7	1189.2	1197.5	1198.9	1192.6	1165.4	1120.7	1066.4	1004.2	932.8	892.5
57.5°	1206.7	1207.2	1216.4	1219.8	1211.1	1184.8	1139.2	1082.9	1022.2	949.3	908.5
60°	1222.2	1221.7	1229.5	1234.4	1225.6	1198.0	1153.3	1098.4	1036.2	964.4	922.1
62.5°	1231.9	1231.9	1241.2	1246.0	1236.8	1209.6	1164.0	1109.6	1047.4	974.6	932.8
65°	1236.3	1237.3	1246.0	1251.9	1243.1	1215.4	1169.8	1116.4	1055.2	982.8	940.6
67.5°	1237.8	1238.3	1248.9	1254.8	1246.5	1218.3	1173.2	1120.7	1061.0	988.2	945.4
70°	1238.7	1239.2	1247.5	1253.3	1246.0	1217.9	1174.2	1122.7	1064.4	991.1	948.4
72.5°	1233.4	1234.9	1244.1	1250.9	1242.1	1214.5	1171.7	1122.7	1063.9	993.0	949.3
75°	1226.6	1230.0	1238.3	1244.1	1236.3	1209.6	1167.8	1120.7	1063.4	992.1	949.3
77.5°	1219.8	1220.3	1231.0	1236.3	1228.1	1200.9	1161.0	1115.9	1060.5	989.1	945.9
80°	1206.2	1209.1	1218.3	1223.2	1215.9	1190.2	1151.3	1109.1	1055.2	984.3	940.6
82.5°	1196.5	1195.5	1204.7	1209.1	1201.8	1175.1	1140.2	1098.4	1047.4	976.0	933.3
85°	1178.0	1180.0	1187.3	1191.2	1182.9	1158.6	1125.1	1087.7	1036.7	966.8	923.6
87.5°	1160.6	1161.5	1166.4	1170.8	1162.5	1139.2	1108.1	1072.7	1023.6	955.2	912.9
90°	1138.7	1139.2	1144.5	1147.9	1140.7	1118.8	1090.1	1055.7	1009.5	942.0	899.8
92.5°	1118.3	1117.3	1121.2	1122.7	1116.4	1095.0	1069.3	1037.2	992.5	926.0	885.2
95°	1091.6	1091.1	1094.5	1093.5	1086.8	1068.3	1045.0	1016.8	972.6	909.0	868.7
97.5°	1062.0	1062.5	1064.4	1063.4	1056.2	1039.2	1021.2	993.0	952.2	889.1	850.3
100°	1029.0	1030.4	1033.3	1030.4	1024.1	1011.5	992.5	969.2	928.9	869.2	830.8
102.5°	1001.3	997.4	996.4	995.9	989.6	978.5	963.9	943.5	906.1	847.4	810.4
105°	964.9	962.4	962.0	956.6	954.2	945.0	932.8	914.4	880.9	825.5	789.6
107.5°	926.5	927.0	925.0	918.7	915.3	909.0	902.2	885.7	853.7	801.2	768.2
110°	892.0	889.6	884.3	881.3	878.9	873.6	869.2	856.6	827.0	777.9	744.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	849.3	850.8	844.4	*842.5*	838.6	838.1	835.2	825.0	798.8	753.1	722.1
115°	810.9	810.0	803.7	*799.8*	798.3	799.3	801.2	793.9	769.7	726.4	697.8
117.5°	768.7	765.8	761.4	*757.5*	755.6	759.5	763.8	760.4	740.0	699.2	672.1
120°	723.5	724.0	717.7	*713.8*	714.3	720.6	726.4	724.5	705.1	668.7	644.4
122.5°	681.3	678.9	673.5	*669.6*	673.0	679.8	686.6	686.1	669.1	633.7	611.8
125°	635.2	634.7	629.3	*625.4*	628.4	636.1	644.4	645.3	629.3	599.7	577.9
127.5°	591.4	590.0	589.0	*584.7*	586.6	597.3	603.1	602.6	588.5	561.3	542.4
130°	549.7	549.2	543.4	*541.4*	543.9	552.6	558.4	557.5	546.3	522.5	505.5
132.5°	507.4	505.5	503.1	*500.2*	502.1	509.4	517.2	516.2	503.1	480.2	466.7
135°	465.7	464.2	462.3	*460.3*	461.8	469.1	475.9	473.9	462.8	442.4	428.8
137.5°	427.3	425.9	423.4	*421.0*	422.9	428.8	433.1	431.7	422.5	403.0	389.9
140°	387.5	388.5	385.6	*383.6*	384.6	390.4	393.8	391.9	381.7	365.6	355.0
142.5°	351.1	351.1	349.6	*349.1*	350.6	353.5	356.4	352.5	345.7	329.2	320.5
145°	316.1	316.6	316.1	*315.1*	315.6	319.0	319.5	318.1	310.3	298.2	288.4
147.5°	283.1	284.6	283.6	*283.6*	284.1	285.5	287.5	284.1	277.3	266.6	259.8
150°	252.5	253.5	253.5	*252.5*	252.5	254.4	254.4	252.0	246.7	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	206.4
155°	201.5	202.5	201.0	*201.5*	200.1	200.5	200.1	198.1	193.3	187.4	184.5
157.5°	179.7	181.1	180.2	*180.2*	179.2	178.7	178.2	176.3	172.9	168.0	164.6
160°	162.2	163.2	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	139.4	136.0	134.5
165°	135.0	134.5	134.5	*134.0*	133.5	132.6	131.1	130.1	127.2	124.3	123.3
167.5°	125.8	125.3	124.8	*124.3*	123.3	122.9	121.4	120.4	118.0	115.6	114.6
170°	118.0	118.0	117.0	*116.5*	116.1	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	102.5
175°	106.3	106.3	105.9	*104.9*	104.4	103.4	102.5	101.5	100.0	99.1	98.6
177.5°	102.5	102.5	102.5	*101.5*	101.0	100.0	99.1	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°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.5°	57.8	54.9	52.4	48.6	45.2	42.2	40.3	38.8	37.9	36.9
5°	69.0	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	62.2	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	92.3	85.0	78.7	75.8	75.3
15°	197.1	179.7	162.7	144.7	128.7	114.6	103.9	95.7	90.8	90.3
17.5°	237.9	216.1	193.3	172.9	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	230.7	202.0	175.3	153.4	138.4	131.1	129.7
25°	378.8	341.4	303.0	264.6	229.2	197.1	171.9	154.9	144.7	143.2
27.5°	432.7	387.5	342.3	297.7	256.4	220.9	190.4	168.5	158.3	156.8
30°	485.6	436.1	383.6	331.2	284.6	243.8	208.8	183.6	170.9	169.0
32.5°	537.5	481.2	423.4	365.2	314.2	266.6	225.8	198.6	183.1	181.1
35°	587.1	528.8	461.3	398.7	340.4	289.4	243.8	212.2	194.7	192.8
37.5°	635.6	569.6	498.7	429.7	366.6	308.8	260.3	224.8	205.4	203.5
40°	681.8	608.4	531.2	458.4	389.4	328.3	274.4	236.0	214.1	211.7
42.5°	717.2	641.9	561.3	482.7	409.4	342.8	287.0	244.7	220.9	217.5
45°	752.7	672.1	587.1	504.0	426.8	356.9	297.2	252.5	227.3	223.4
47.5°	781.8	697.8	608.0	521.5	441.4	369.0	305.9	257.8	231.1	227.3
50°	809.5	720.6	627.4	537.5	454.5	379.7	313.2	262.2	233.6	229.7
52.5°	830.8	739.6	642.9	550.2	465.2	387.5	319.0	265.1	235.0	230.7
55°	848.8	755.1	655.5	559.9	473.5	394.3	323.4	266.6	235.0	230.7
57.5°	863.9	767.2	665.7	568.6	479.8	398.7	326.3	267.1	233.6	229.2
60°	877.0	778.4	674.0	575.4	485.6	403.0	328.3	267.1	232.1	227.3
62.5°	887.7	786.2	680.3	580.8	490.0	406.4	329.2	266.1	229.2	224.3
65°	894.0	791.5	684.2	583.7	492.4	407.4	329.2	264.6	226.3	221.4
67.5°	*899.3*	*794.9*	*686.6*	*585.1*	*493.8*	*408.4*	*328.7*	*262.2*	*223.4*	*218.5*
70°	901.7	796.4	687.6	586.1	494.8	407.9	327.3	260.3	220.5	214.6
72.5°	902.2	796.9	687.1	586.1	494.8	407.9	325.8	257.4	217.1	211.7
75°	901.3	795.4	685.7	585.6	494.3	406.4	324.4	254.9	214.1	208.3
77.5°	898.3	792.5	683.2	583.7	491.9	405.0	321.5	252.0	210.7	205.4
80°	893.5	787.6	679.3	580.3	489.0	402.1	319.0	249.1	207.8	202.5
82.5°	886.2	781.3	674.5	575.9	486.1	398.7	316.1	246.2	204.9	199.6
85°	877.5	773.5	667.2	570.6	481.7	394.8	312.2	242.8	202.0	196.7
87.5°	865.3	763.8	659.4	564.3	475.9	389.9	307.9	239.9	199.6	194.2
90°	853.7	753.1	651.2	557.5	470.5	385.6	304.0	236.5	197.6	192.3
92.5°	840.1	740.5	641.0	549.7	463.3	379.7	300.1	233.6	195.7	190.8
95°	824.5	726.9	630.3	540.5	456.5	373.9	295.2	230.7	193.8	189.4
97.5°	807.1	712.4	618.6	530.7	448.2	367.6	290.9	228.2	192.8	187.9
100°	789.1	695.9	606.0	521.0	439.9	360.8	286.5	225.8	192.3	187.9
102.5°	768.7	680.8	593.4	511.3	431.7	354.5	282.1	224.3	192.3	187.9
105°	749.3	663.3	579.8	500.6	423.4	348.2	278.2	223.4	192.8	188.9
107.5°	728.4	646.8	566.2	489.5	414.2	341.9	274.8	222.4	193.8	189.9
110°	709.0	630.8	553.6	478.8	406.0	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: P1223972
CATALOG NUMBER: FFX-CLB-60-722-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	687.6	613.3	539.5	467.1	397.2	329.2	268.0	220.9	195.7	192.8
115°	665.3	594.8	525.4	455.5	387.0	322.9	264.6	220.5	196.7	193.8
117.5°	641.0	574.9	508.4	441.9	376.3	315.1	259.8	218.5	196.7	193.8
120°	614.8	554.1	490.0	427.3	364.2	305.9	254.9	216.1	195.7	193.3
122.5°	586.1	529.3	468.6	408.9	350.6	295.2	247.7	211.7	193.3	190.8
125°	554.5	501.6	446.7	389.0	333.6	283.1	238.9	206.9	189.4	187.4
127.5°	521.5	473.0	420.5	368.1	317.6	270.0	229.7	199.6	184.0	182.1
130°	484.6	440.9	393.3	344.8	298.6	254.9	218.5	191.3	177.2	175.3
132.5°	449.2	409.4	366.6	323.4	278.7	240.4	206.4	182.1	170.0	168.0
135°	412.3	377.3	338.9	298.2	260.3	224.3	194.2	172.9	161.7	160.2
137.5°	376.3	346.7	310.8	274.8	241.3	208.8	182.6	164.1	153.9	153.0
140°	342.8	315.1	285.0	253.5	222.4	194.2	171.4	154.4	146.2	144.7
142.5°	310.3	286.5	259.3	232.6	203.9	180.2	160.2	145.2	138.4	137.4
145°	279.7	259.8	236.0	211.7	187.4	166.6	149.6	136.9	131.1	130.6
147.5°	251.0	234.5	213.7	193.3	172.9	155.4	139.8	130.1	124.8	124.3
150°	224.8	209.8	193.3	175.8	158.8	143.2	131.6	122.9	118.5	118.0
152.5°	200.1	188.4	174.8	160.7	146.2	134.0	123.3	117.0	113.6	113.1
155°	178.7	169.5	158.3	146.2	135.0	125.3	117.0	112.2	109.3	109.3
157.5°	160.7	153.0	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	102.5	102.5
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	99.1	99.1
167.5°	113.1	111.2	108.3	105.9	103.4	101.0	99.5	98.6	98.1	98.1
170°	106.8	105.4	103.4	102.0	100.5	99.1	98.1	97.6	97.1	97.1
172.5°	102.0	100.5	99.5	99.1	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: SP1-2501-332-2

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

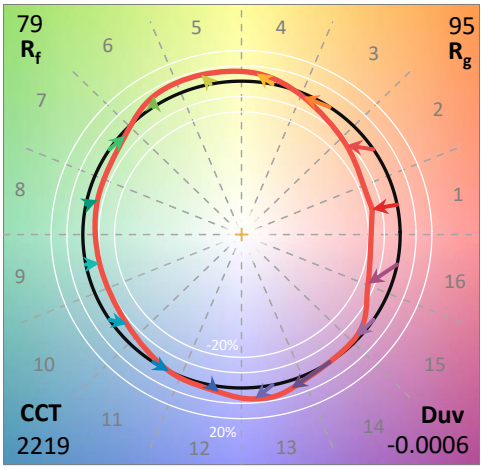
Test Information

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

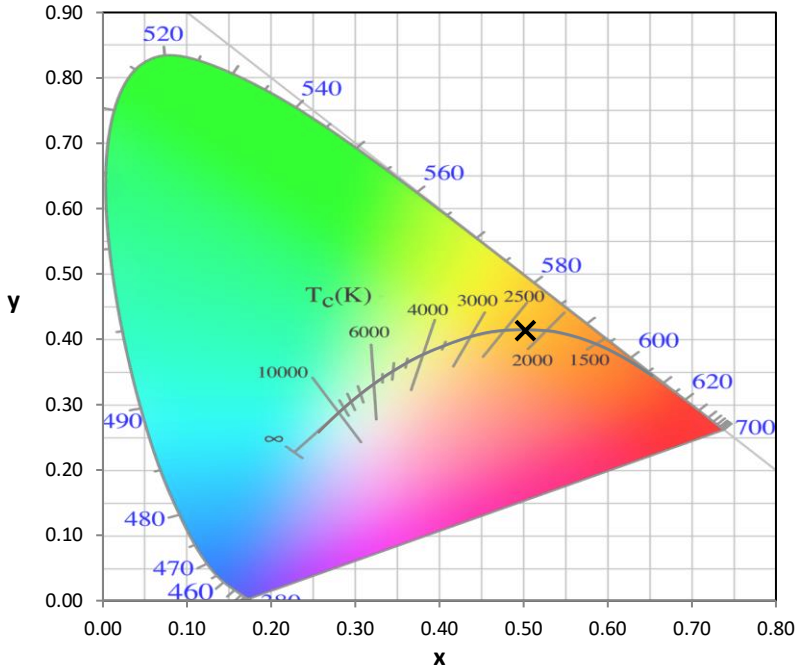
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

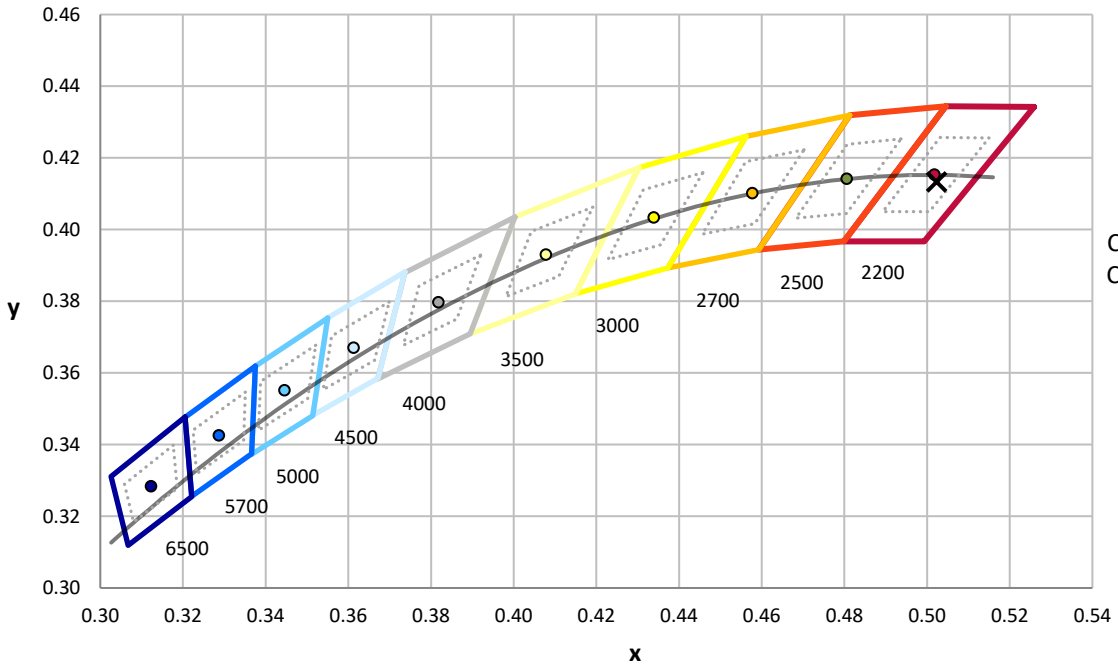
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

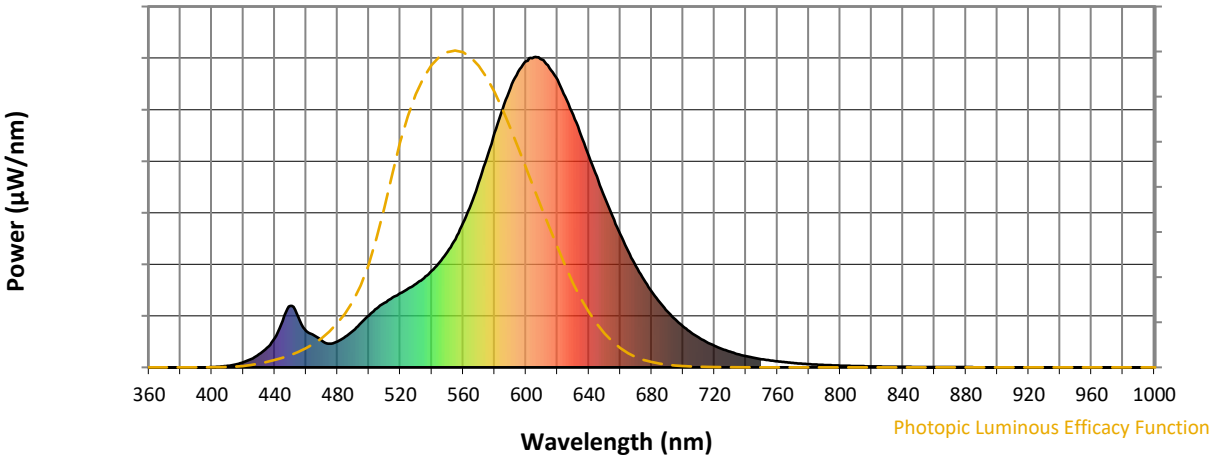


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

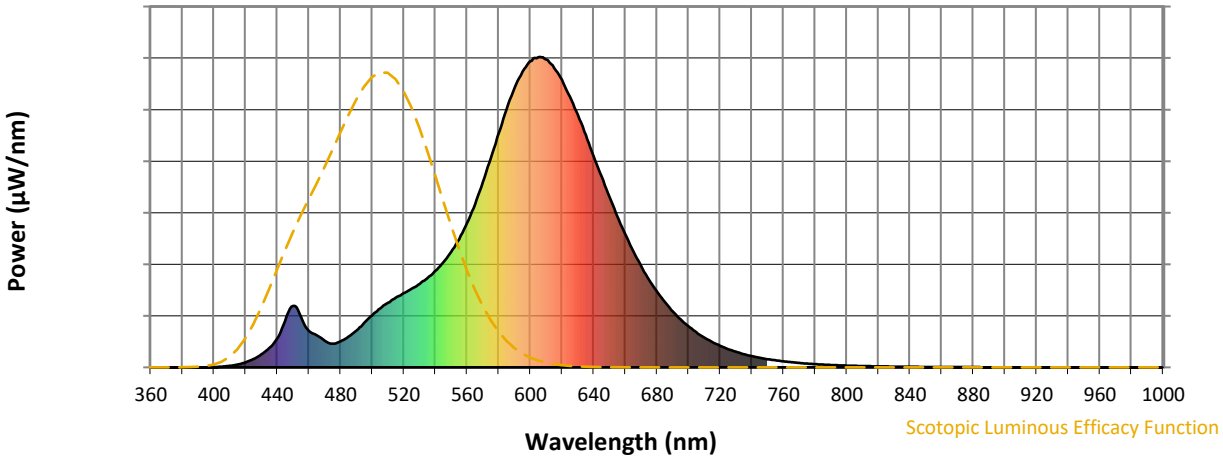


Photopic Lumens: NR

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

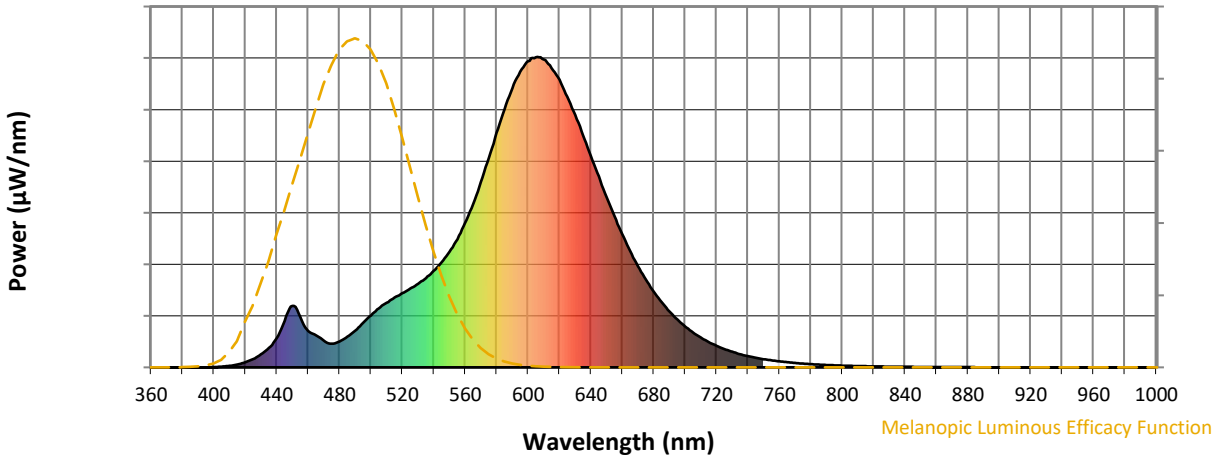


Scotopic Lumens: NR **S/P: 0.94**

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			

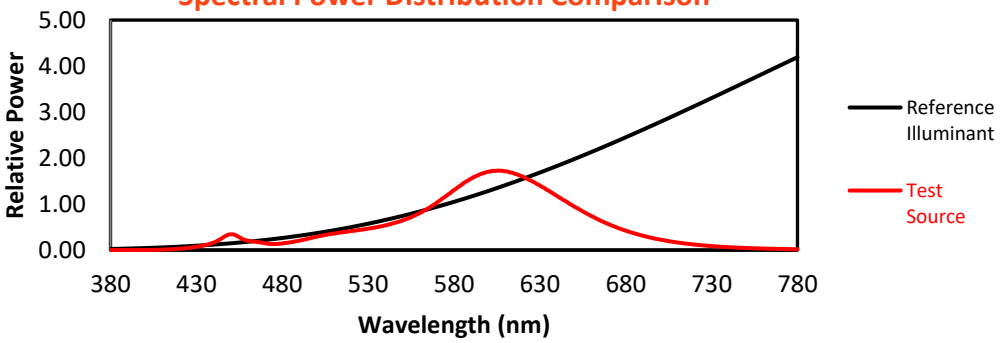
REPORT NUMBER: SP1-2501-332-2

TM-30-18

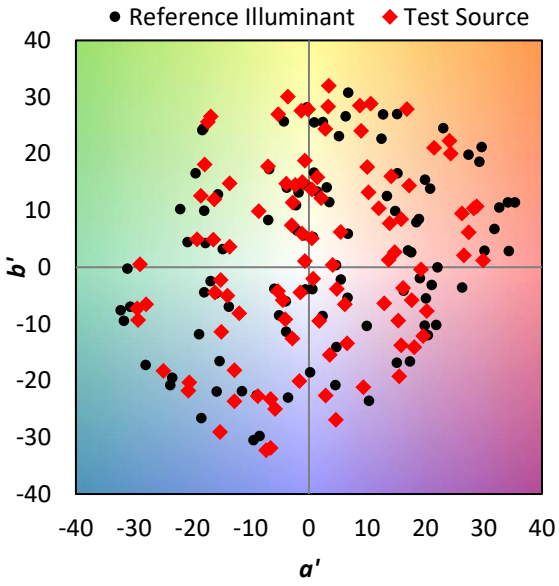
Summary

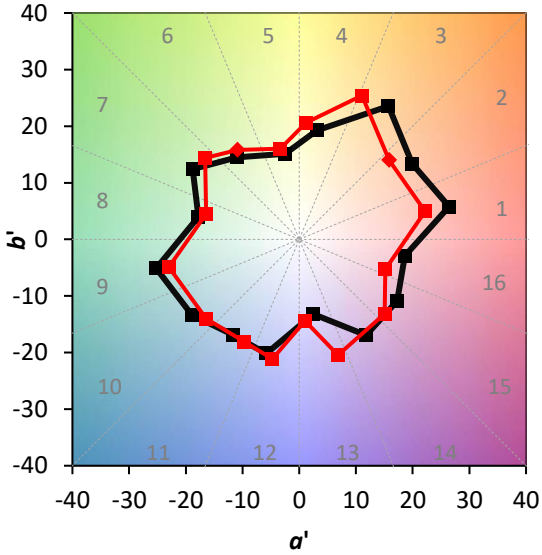
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

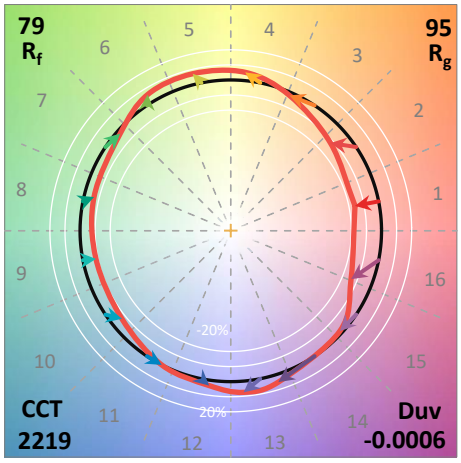
Spectral Power Distribution Comparison

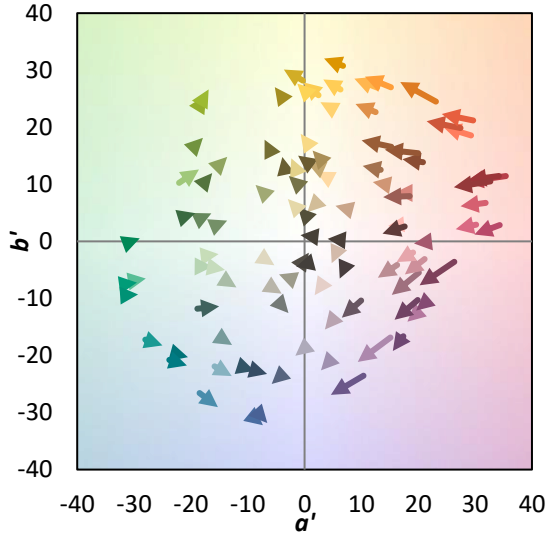


Color Vector Graphics







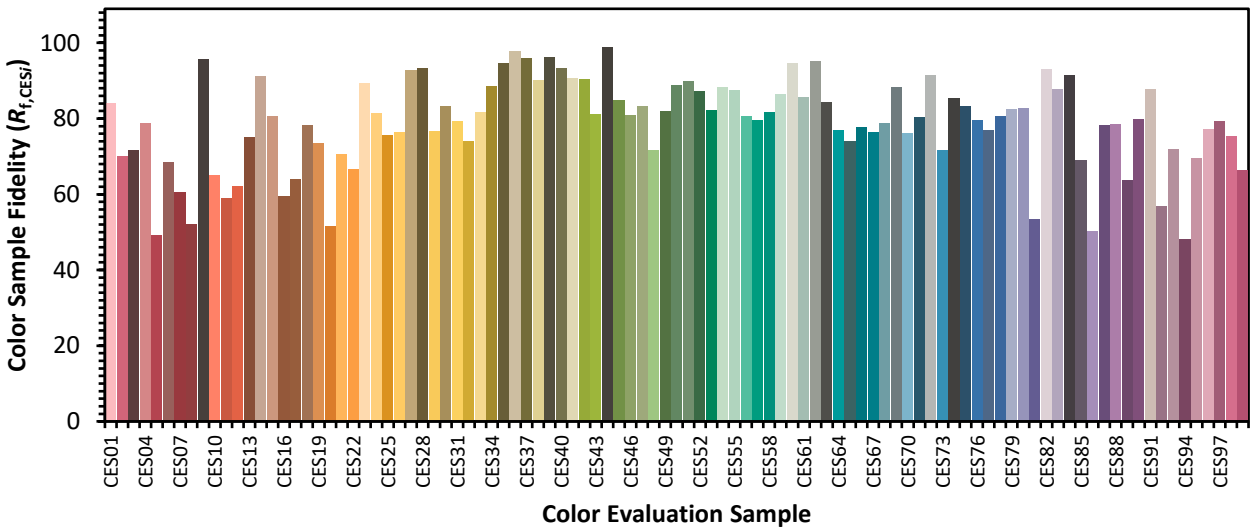


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

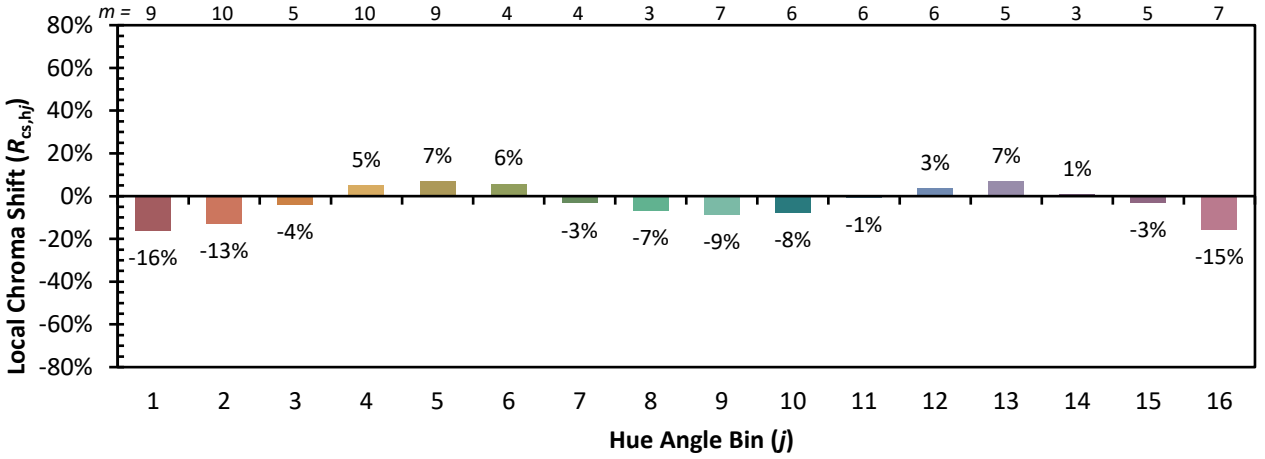
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 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	

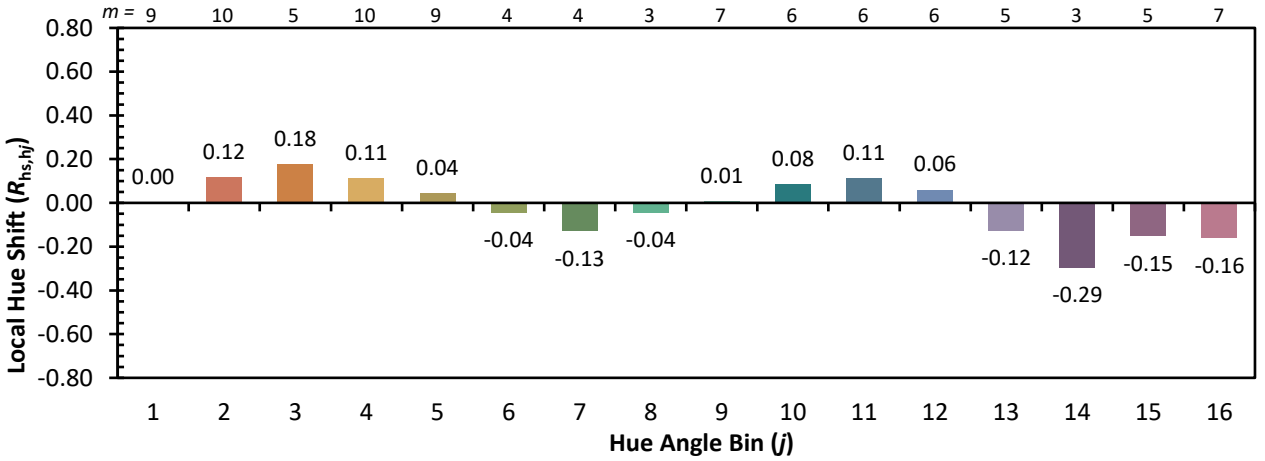


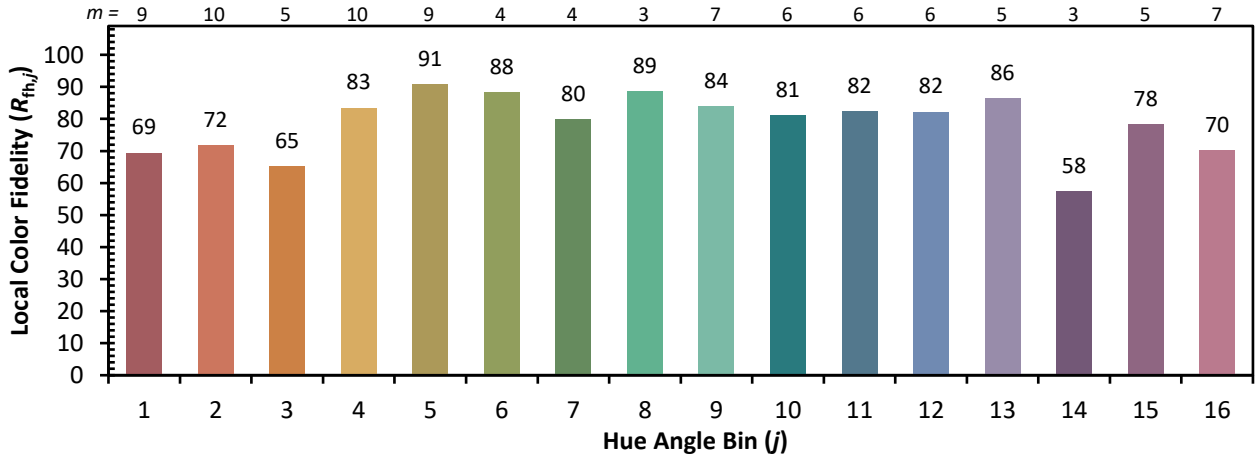
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



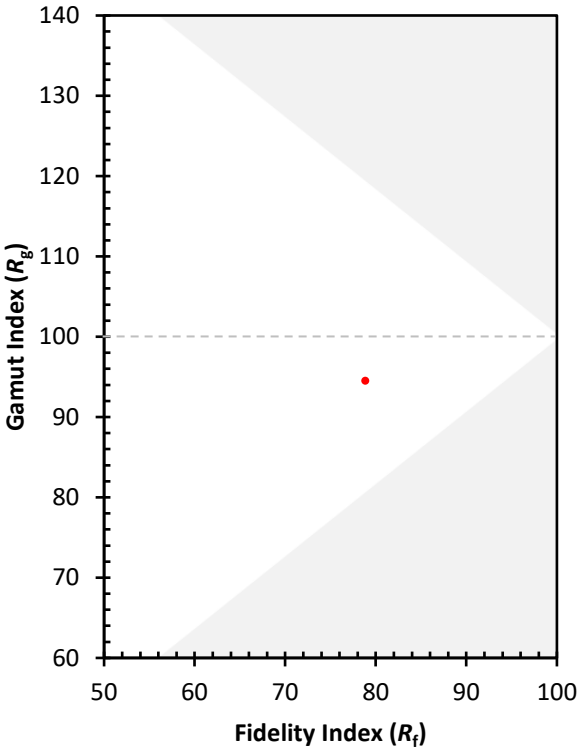


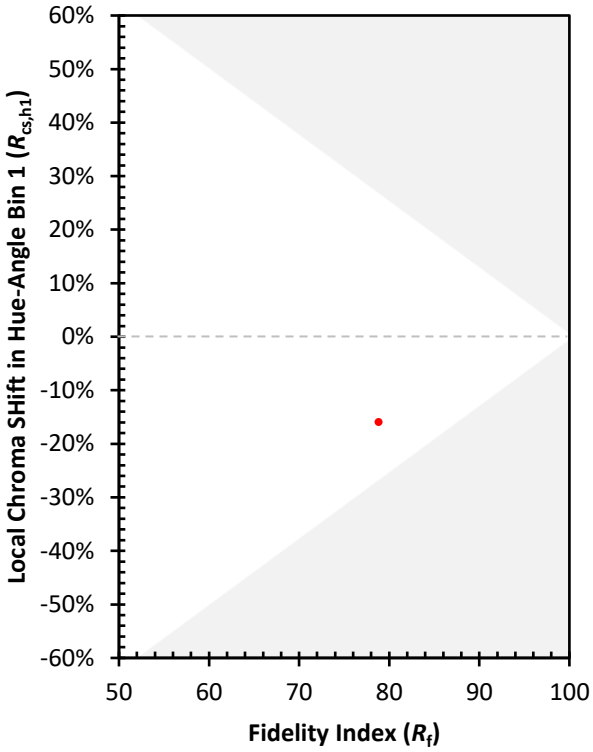


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Measure Comparisons





(END OF REPORT)