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: P1045862

Luminaire Tested: **FFX-CLB-60-750-U-VM8-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:	P1045862
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6799.1 lumens
Efficiency:	N/A
Efficacy:	112.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

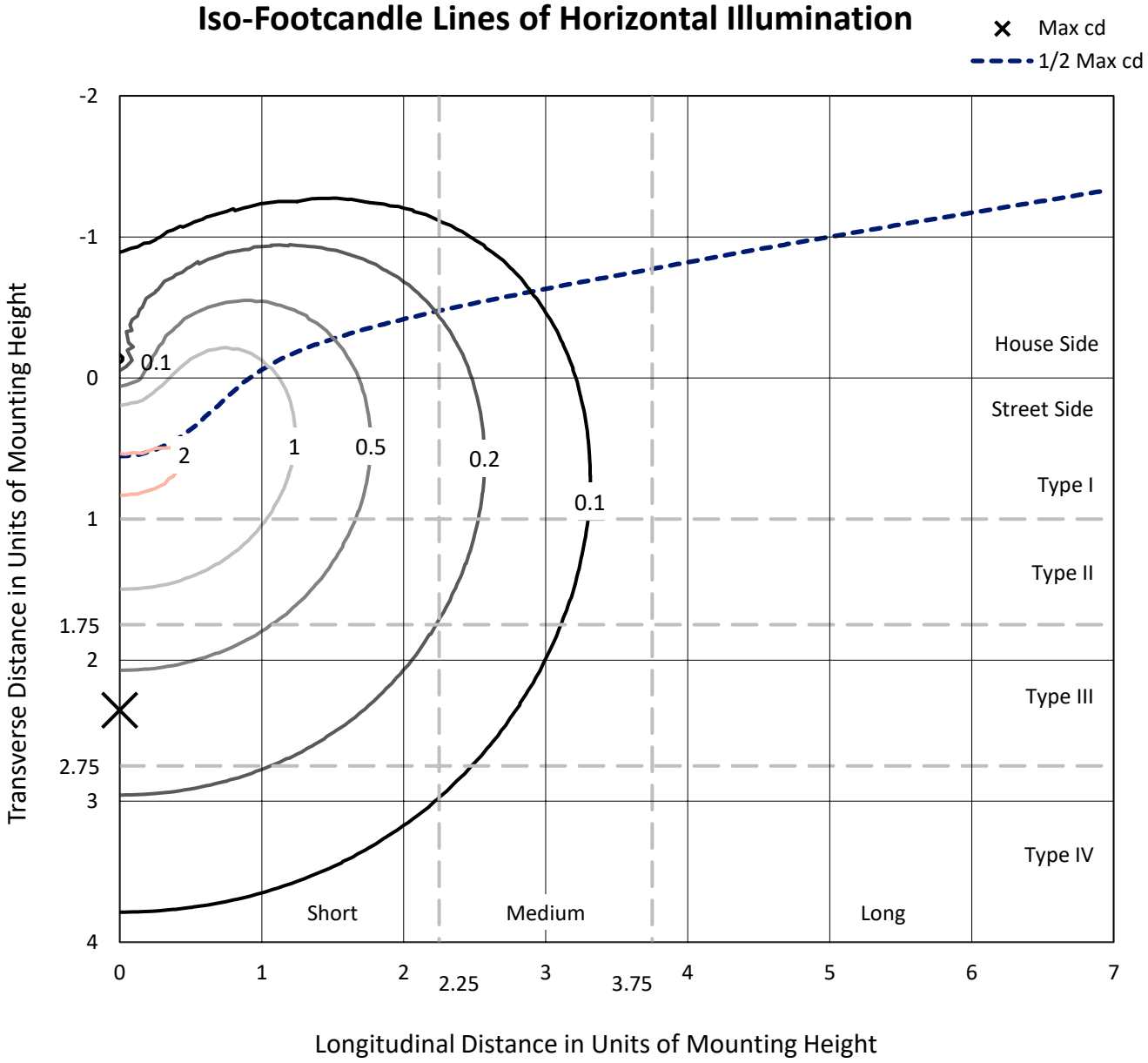


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REPORT NUMBER: P1045862
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Iso-Footcandle Lines of Horizontal Illumination



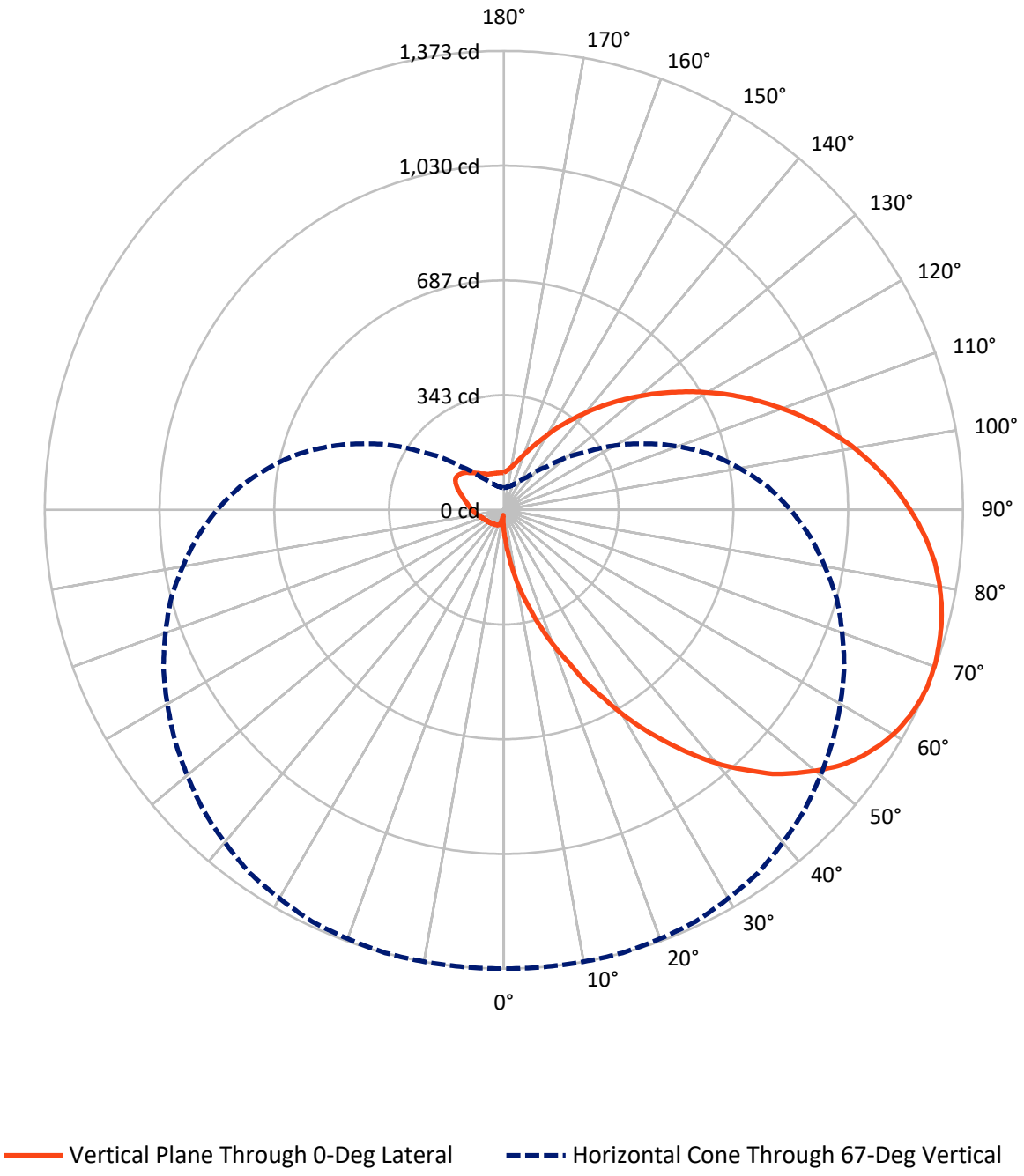
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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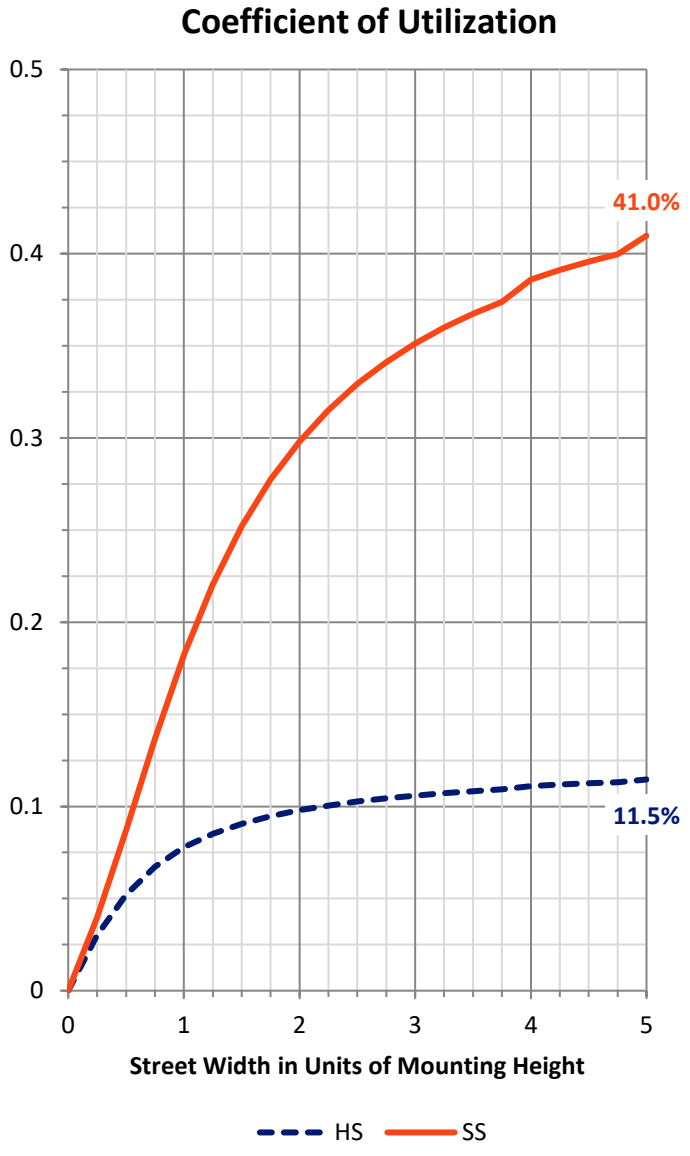
REPORT NUMBER: P1045862
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.9	802.2	1644.1
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	3174.7	1980.3	5155.0
	% Fixture	46.7	29.1	75.8
Total	Lumens	4016.7	2782.5	6799.1
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	56.5	0.8
20°-30°	157.7	2.3
30°-40°	315.7	4.6
40°-50°	496.0	7.3
50°-60°	652.3	9.6
60°-70°	753.1	11.1
70°-80°	794.8	11.7
80°-90°	781.6	11.5
90°-100°	717.4	10.6
100°-110°	620.5	9.1
110°-120°	509.3	7.5
120°-130°	388.3	5.7
130°-140°	261.5	3.8
140°-150°	155.0	2.3
150°-160°	81.5	1.2
160°-170°	38.0	0.6
170°-180°	11.0	0.2
0°-90°	4016.7	59.1
0°-180°	6799.1	100.0



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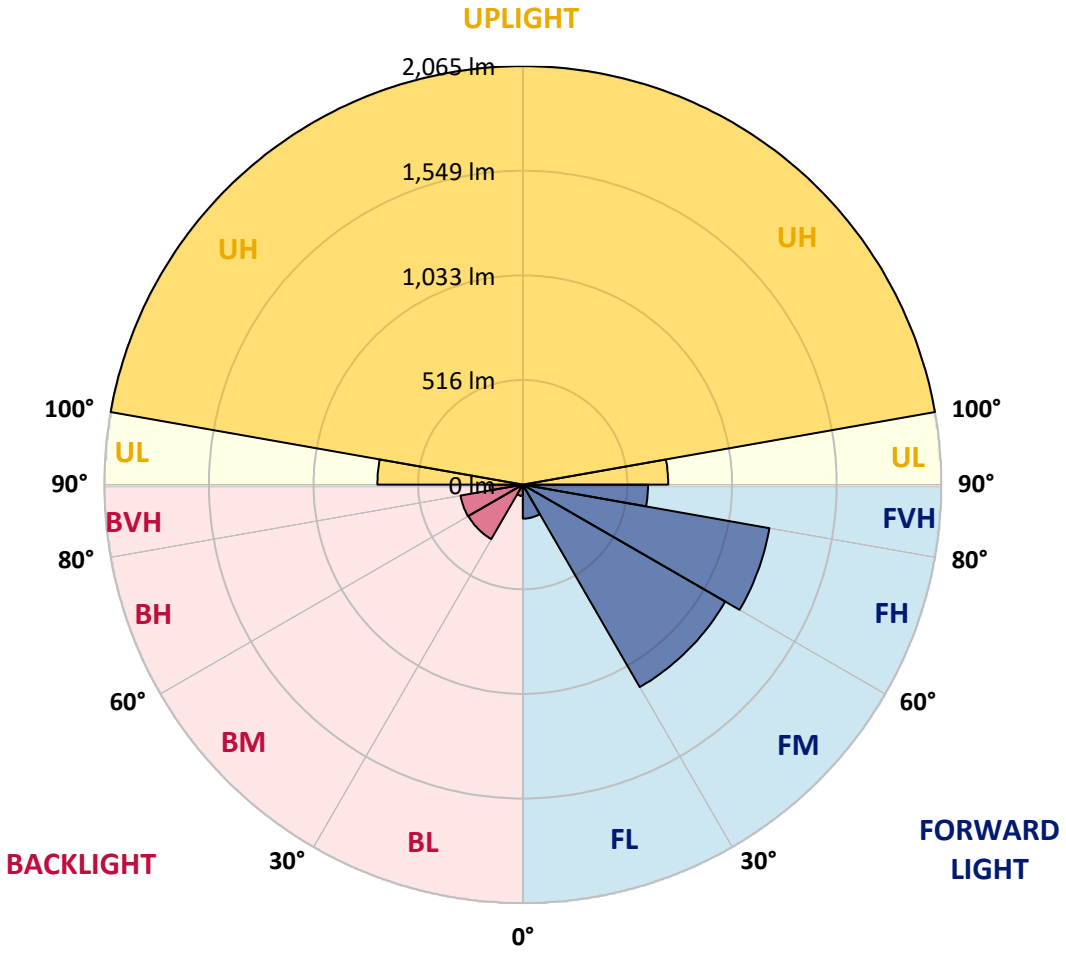
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	167.8	2.5			
FM	(30°-60°)	1153.5	17.0			
FH	(60°-80°)	1235.7	18.2			G1/1800
FVH	(80°-90°)	617.7	9.1			G4/750
BL	(0°-30°)	55.5	0.8	B0/110		
BM	(30°-60°)	310.5	4.6	B1/1000		
BH	(60°-80°)	312.1	4.6	B1/500		G1/500
BVH	(80°-90°)	163.9	2.4			G2/225
UL	(90°-100°)	717.4	10.6		U4/1000	
UH	(100°-180°)	2065.0	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*66.2*	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	*87.8*	89.3	89.3	88.5	87.8	86.3	84.8	81.8	75.9	71.4	66.9
5°	*127.2*	127.2	127.9	127.2	124.2	121.3	114.6	109.4	99.7	92.2	84.1
7.5°	*172.6*	174.8	174.1	171.8	166.6	159.9	151.8	142.1	132.4	121.3	108.6
10°	*223.2*	222.4	222.4	219.4	213.5	204.6	195.6	184.5	170.3	156.2	139.9
12.5°	*270.8*	273.0	271.5	267.8	260.4	253.7	242.5	229.9	213.5	198.6	176.3
15°	*322.1*	323.6	323.6	321.4	314.7	305.0	292.3	280.4	258.9	238.0	216.5
17.5°	*380.9*	378.6	375.7	375.7	367.5	359.3	346.7	330.3	306.5	283.4	254.4
20°	*439.6*	438.9	435.2	432.9	427.7	415.8	399.5	380.9	357.1	331.0	296.8
22.5°	*494.7*	502.1	501.4	497.7	491.0	479.1	461.2	438.9	414.3	381.6	342.2
25°	*572.8*	568.3	569.1	565.4	559.4	545.3	527.4	501.4	471.6	435.2	390.5
27.5°	*640.5*	639.0	639.0	636.8	628.6	613.7	592.9	568.3	534.1	491.0	441.1
30°	*718.6*	714.9	713.4	711.2	703.0	686.6	665.0	634.5	597.3	553.5	494.7
32.5°	*792.2*	789.3	784.1	783.3	777.4	760.3	735.7	704.5	662.1	610.7	546.0
35°	*862.9*	864.4	862.2	858.4	850.3	833.9	810.1	772.2	730.5	671.0	601.1
37.5°	*934.3*	933.6	935.1	932.1	919.4	903.8	875.6	835.4	787.8	723.1	649.4
40°	*1004.2*	1000.5	999.8	996.8	987.9	972.3	940.3	899.4	845.8	778.8	695.5
42.5°	*1064.5*	1066.0	1064.5	1061.5	1049.6	1031.8	998.3	952.9	896.4	824.2	738.7
45°	*1127.7*	1125.5	1124.8	1124.8	1109.1	1090.5	1054.1	1007.2	944.0	866.6	775.9
47.5°	*1177.6*	1180.5	1179.1	1175.3	1164.9	1141.9	1103.2	1051.9	985.6	906.1	809.3
50°	*1224.4*	1228.2	1228.9	1225.2	1212.5	1187.2	1147.1	1089.8	1022.8	938.8	838.4
52.5°	*1267.6*	1266.8	1269.1	1266.8	1254.9	1228.9	1182.8	1124.8	1052.6	966.3	860.7
55°	*1301.1*	1301.1	1302.5	1299.6	1288.4	1259.4	1211.8	1150.0	1076.4	987.9	880.0
57.5°	*1327.8*	1329.3	1328.6	1327.8	1315.2	1284.7	1234.1	1170.1	1095.7	1003.5	894.2
60°	*1348.7*	1349.4	1349.4	1347.9	1335.3	1303.3	1252.0	1185.8	1108.4	1016.9	905.3
62.5°	*1362.1*	1362.8	1362.8	1361.3	1348.7	1315.9	1263.9	1195.4	1117.3	1025.1	912.7
65°	*1370.2*	1371.0	1371.0	1369.5	1356.8	1323.4	1269.8	1200.6	1121.8	1029.5	917.2
67°	*1373.2*	*1373.2*	*1373.2*	*1372.5*	*1359.1*	*1326.3*	*1271.3*	*1201.4*	*1123.3*	*1031.0*	*919.4*
67.5°	*1372.5*	1372.5	1373.2	1371.7	1359.1	1325.6	1270.6	1201.4	1122.5	1031.0	919.4
70°	*1370.2*	1370.2	1370.2	1368.8	1356.1	1322.6	1267.6	1197.7	1120.3	1029.5	918.7
72.5°	*1362.1*	1362.8	1362.8	1361.3	1348.7	1315.9	1260.9	1191.0	1114.3	1025.1	916.5
75°	*1352.4*	1352.4	1352.4	1350.9	1338.3	1305.5	1251.2	1182.0	1106.9	1019.1	912.0
77.5°	*1338.3*	1338.3	1338.3	1336.8	1324.1	1292.1	1238.6	1170.9	1097.2	1010.9	906.8
80°	*1320.4*	1321.1	1320.4	1318.9	1306.3	1274.3	1222.9	1156.7	1084.6	1001.3	899.4
82.5°	*1299.6*	1300.3	1299.6	1296.6	1284.7	1254.2	1202.9	1138.1	1069.7	988.6	890.4
85°	*1272.8*	1272.0	1272.8	1268.3	1257.9	1227.4	1180.5	1117.3	1051.1	973.7	877.8
87.5°	*1242.3*	1243.0	1241.5	1239.3	1226.7	1196.9	1152.3	1093.5	1029.5	955.9	862.9
90°	*1208.8*	1208.8	1208.1	1205.1	1191.7	1164.9	1122.5	1066.0	1006.5	935.8	847.3
92.5°	*1174.6*	1173.9	1171.6	1170.1	1158.2	1130.7	1089.8	1039.2	983.4	915.7	830.9
95°	*1136.7*	1136.7	1135.2	1132.2	1118.8	1096.5	1057.1	1009.5	956.6	894.2	813.8
97.5°	*1096.5*	1095.7	1095.0	1090.5	1078.6	1056.3	1024.3	978.2	929.9	871.1	794.5
100°	*1057.1*	1054.8	1053.3	1048.9	1038.5	1016.9	986.4	946.2	899.4	845.8	773.6
102.5°	*1010.9*	1010.9	1010.2	1005.7	992.3	974.5	947.0	911.3	871.1	819.8	751.3
105°	*970.0*	966.3	964.8	960.4	949.9	930.6	907.5	876.3	839.1	791.5	729.0
107.5°	*923.9*	920.9	920.2	913.5	905.3	887.5	868.1	839.1	807.9	765.5	705.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*877.0*	875.6	874.8	868.1	857.7	845.8	825.7	802.7	775.1	736.4	684.4
112.5°	*830.9*	829.4	829.4	824.2	814.6	799.7	785.5	765.5	740.9	707.4	659.1
115°	*785.5*	783.3	782.6	776.6	766.9	755.8	741.7	727.5	706.7	678.4	634.5
117.5°	*740.2*	737.2	737.9	732.7	725.3	714.1	700.7	691.1	673.2	647.2	610.0
120°	*693.3*	694.0	694.0	687.4	680.7	671.7	660.6	650.9	639.0	615.9	581.7
122.5°	*648.7*	650.2	650.2	645.7	637.5	629.3	621.9	613.0	602.5	584.7	554.2
125°	*604.0*	607.0	605.5	601.8	595.1	586.2	581.0	573.5	565.4	550.5	523.7
127.5°	*563.1*	563.1	559.4	560.1	553.5	546.0	541.5	536.3	528.2	514.0	492.5
130°	*520.7*	521.5	522.2	517.7	511.8	505.8	501.4	499.1	492.5	480.6	459.0
132.5°	*482.0*	482.0	480.6	477.6	472.4	467.9	467.9	461.2	456.0	444.8	426.2
135°	*444.1*	443.4	443.4	440.4	436.7	434.4	429.2	426.2	421.0	410.6	396.5
137.5°	*406.9*	408.4	406.9	404.7	401.0	398.0	394.3	393.5	386.1	378.6	363.0
140°	*371.2*	373.4	371.2	370.5	367.5	363.8	361.5	358.6	356.3	346.7	333.3
142.5°	*337.7*	339.2	337.7	337.0	334.7	331.8	330.3	328.1	322.8	316.9	305.7
145°	*308.7*	308.0	308.0	307.2	304.2	302.0	299.8	298.3	295.3	289.4	276.7
147.5°	*280.4*	278.2	279.7	278.2	276.0	274.5	273.8	270.8	267.8	261.8	252.9
150°	*251.4*	252.9	252.2	251.4	249.2	249.2	247.0	244.7	242.5	235.8	229.9
152.5°	*227.6*	227.6	228.4	226.9	226.1	223.9	222.4	221.7	218.7	214.2	207.5
155°	*207.5*	206.8	206.8	206.8	205.3	203.1	202.3	200.8	199.4	194.2	188.2
157.5°	*188.2*	188.2	188.2	187.5	187.5	185.2	184.5	182.3	180.0	177.0	171.8
160°	*171.8*	171.8	171.1	171.1	170.3	169.6	168.1	165.9	164.4	162.2	157.7
162.5°	*158.4*	157.7	157.7	157.0	156.2	154.7	154.0	153.2	151.0	148.8	145.1
165°	*145.8*	145.8	145.8	145.1	144.3	143.6	142.8	141.3	139.9	138.4	136.1
167.5°	*136.1*	136.1	136.1	135.4	135.4	134.6	133.9	132.4	130.9	129.4	127.9
170°	*128.7*	128.7	128.7	127.9	127.2	126.5	125.7	125.0	124.2	122.7	122.0
172.5°	*122.7*	122.7	122.7	122.7	121.3	120.5	119.8	119.8	119.0	118.3	117.5
175°	*117.5*	117.5	117.5	117.5	116.8	116.0	115.3	115.3	114.6	113.8	113.1
177.5°	*114.6*	114.6	114.6	113.8	113.8	113.1	112.3	112.3	111.6	111.6	110.8
180°	*110.8*	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	64.0	61.0	55.8	51.3	47.6	43.9	41.7	39.4	39.4	40.2	38.7
5°	77.4	72.2	62.5	52.1	43.1	35.7	29.8	24.5	20.1	17.9	17.9
7.5°	102.7	96.7	83.3	69.9	57.3	45.4	35.7	27.5	20.8	17.1	16.4
10°	131.7	125.0	106.4	90.0	74.4	59.5	46.9	35.7	28.3	24.5	23.8
12.5°	165.1	156.2	133.9	113.1	93.0	74.4	58.8	46.1	38.7	35.0	34.2
15°	203.8	189.7	164.4	138.4	112.3	89.3	70.7	56.5	48.4	43.1	43.1
17.5°	238.8	223.9	193.4	159.9	130.2	103.4	81.1	64.0	52.8	47.6	46.9
20°	279.0	258.9	222.4	183.7	147.3	114.6	87.8	68.4	55.0	48.4	48.4
22.5°	319.9	299.0	254.4	207.5	163.7	125.0	94.5	71.4	56.5	49.1	48.4
25°	368.2	340.0	286.4	233.6	182.3	136.1	100.4	74.4	58.0	50.6	49.1
27.5°	415.1	386.1	323.6	259.6	199.4	147.3	105.6	77.4	59.5	51.3	50.6
30°	464.2	428.5	357.8	286.4	217.2	157.0	110.8	79.6	60.3	52.1	50.6
32.5°	513.3	473.9	395.7	312.4	234.3	165.9	115.3	81.1	61.7	52.8	51.3
35°	563.1	520.7	432.2	338.5	249.9	174.1	118.3	82.6	62.5	52.8	52.1
37.5°	606.3	561.6	466.4	362.3	263.3	180.8	121.3	84.1	62.5	53.6	52.8
40°	649.4	601.1	496.2	382.4	275.2	186.0	123.5	84.8	63.2	54.3	53.6
42.5°	688.1	634.5	522.2	400.2	284.9	189.7	124.2	84.8	64.0	55.0	54.3
45°	723.1	668.8	546.8	417.3	293.1	191.9	125.0	85.5	64.7	55.8	55.0
47.5°	755.0	697.0	569.1	431.5	299.8	194.2	125.0	85.5	65.5	57.3	55.8
50°	781.8	720.8	587.7	443.4	304.2	194.9	124.2	85.5	66.2	58.0	57.3
52.5°	802.7	740.9	603.3	451.5	307.2	194.2	123.5	85.5	66.9	58.8	58.0
55°	820.5	757.3	614.4	458.2	308.0	192.7	122.7	85.5	67.7	60.3	59.5
57.5°	833.9	769.2	624.1	463.4	308.7	191.2	121.3	85.5	68.4	61.0	60.3
60°	844.3	779.6	631.6	466.4	308.0	188.9	120.5	85.5	69.2	62.5	61.7
62.5°	851.7	785.5	636.0	467.2	305.7	186.7	119.0	85.5	69.9	64.0	63.2
65°	856.2	790.0	639.7	467.9	303.5	184.5	118.3	86.3	71.4	66.2	65.5
67°	*857.7*	*792.2*	*640.5*	*467.9*	*302.0*	*183.0*	*118.3*	*87.0*	*72.9*	*66.9*	*66.2*
67.5°	858.4	792.2	640.5	467.2	301.3	183.0	118.3	87.0	72.9	67.7	66.9
70°	857.7	792.2	640.5	465.7	299.0	181.5	117.5	88.5	75.1	69.9	69.2
72.5°	856.2	790.8	639.0	463.4	296.1	180.0	118.3	90.0	77.4	72.2	71.4
75°	852.5	787.8	636.0	460.5	293.8	178.5	119.0	91.5	79.6	75.1	74.4
77.5°	848.8	784.1	633.8	457.5	291.6	178.5	119.8	93.7	82.6	78.1	77.4
80°	842.1	778.8	629.3	454.5	289.4	177.8	121.3	96.7	85.5	81.1	80.3
82.5°	833.9	771.4	623.4	450.1	287.1	177.8	123.5	98.9	88.5	84.1	83.3
85°	822.7	761.7	615.9	444.1	284.9	178.5	125.0	101.9	91.5	87.8	87.0
87.5°	810.1	749.8	607.0	438.9	282.7	178.5	127.2	104.9	94.5	90.8	90.8
90°	795.2	737.2	596.6	432.9	280.4	180.0	130.2	107.9	98.2	94.5	94.5
92.5°	781.8	723.8	588.4	427.0	279.0	181.5	133.2	111.6	101.9	98.2	98.2
95°	764.0	709.7	576.5	421.8	278.2	183.0	136.1	115.3	106.4	102.7	101.9
97.5°	746.9	694.0	566.1	415.8	277.5	186.0	139.9	119.8	110.1	106.4	106.4
100°	728.3	678.4	554.2	410.6	277.5	189.7	145.1	124.2	115.3	111.6	110.8
102.5°	710.4	661.3	542.3	405.4	279.0	193.4	150.3	129.4	120.5	116.8	116.0
105°	690.3	643.5	531.9	401.0	280.4	198.6	156.2	136.1	126.5	122.7	122.0
107.5°	670.2	627.1	520.0	397.2	283.4	205.3	163.7	142.8	133.2	128.7	127.9

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

Scaled Data Report

REPORT NUMBER: P1045862
CATALOG NUMBER: FFX-CLB-60-750-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	648.7	609.2	509.6	394.3	287.9	212.8	171.8	151.8	140.6	136.1	135.4
112.5°	628.6	591.4	498.4	392.0	292.3	221.7	181.5	159.9	149.5	143.6	142.8
115°	606.3	572.8	488.0	389.8	297.6	230.6	191.9	168.9	157.7	151.8	151.8
117.5°	584.7	553.5	476.1	387.6	302.8	240.3	201.6	178.5	165.9	159.9	159.2
120°	559.4	532.6	463.4	383.1	305.7	247.7	209.8	186.7	172.6	166.6	165.9
122.5°	534.1	509.6	447.1	376.4	306.5	252.2	215.7	193.4	178.5	171.8	171.1
125°	505.1	484.3	430.0	366.0	304.2	254.4	219.4	195.6	180.8	173.3	172.6
127.5°	476.8	456.7	409.9	353.3	298.3	252.2	218.7	195.6	180.8	172.6	171.8
130°	446.3	428.5	386.1	337.7	288.6	247.0	215.7	192.7	177.8	169.6	168.9
132.5°	415.1	400.2	363.0	320.6	276.7	238.8	209.0	187.5	172.6	165.1	164.4
135°	384.6	371.2	339.2	301.3	264.1	229.1	201.6	180.8	165.9	159.2	159.2
137.5°	355.6	342.9	314.7	282.7	249.2	218.0	192.7	172.6	159.9	153.2	151.8
140°	325.8	315.4	290.9	262.6	233.6	206.1	183.0	164.4	152.5	146.5	145.8
142.5°	298.3	289.4	268.5	245.5	218.7	194.9	173.3	157.7	146.5	140.6	139.9
145°	272.3	264.1	246.2	225.4	203.8	183.0	163.7	149.5	139.9	135.4	134.6
147.5°	246.2	241.0	226.1	209.0	188.9	170.3	154.7	142.8	133.9	130.2	129.4
150°	224.7	218.0	206.8	191.2	175.6	159.9	146.5	136.1	129.4	125.7	125.7
152.5°	203.1	199.4	188.2	176.3	162.9	150.3	138.4	130.2	125.0	122.0	122.0
155°	186.7	181.5	171.8	162.2	151.0	140.6	132.4	125.7	121.3	119.0	118.3
157.5°	169.6	166.6	159.2	150.3	142.1	133.9	127.2	122.0	118.3	116.8	116.0
160°	155.5	153.2	147.3	140.6	133.9	127.9	122.7	119.0	116.0	114.6	114.6
162.5°	143.6	142.1	136.9	132.4	127.2	122.7	119.0	116.0	114.6	113.8	113.8
165°	134.6	133.2	129.4	125.7	122.7	119.0	116.8	114.6	113.1	113.1	113.1
167.5°	127.2	125.7	123.5	121.3	119.0	116.0	114.6	113.1	113.1	112.3	112.3
170°	121.3	120.5	118.3	116.8	115.3	113.8	113.1	112.3	111.6	111.6	111.6
172.5°	116.8	116.0	114.6	113.8	112.3	111.6	111.6	111.6	111.6	111.6	111.6
175°	113.1	112.3	112.3	111.6	110.8	110.8	110.1	110.8	110.8	110.8	110.8
177.5°	110.8	110.8	110.1	110.1	110.1	110.1	110.1	110.8	110.8	111.6	111.6
180°	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

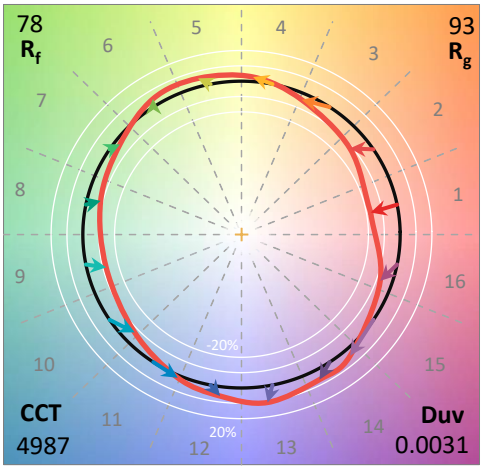
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

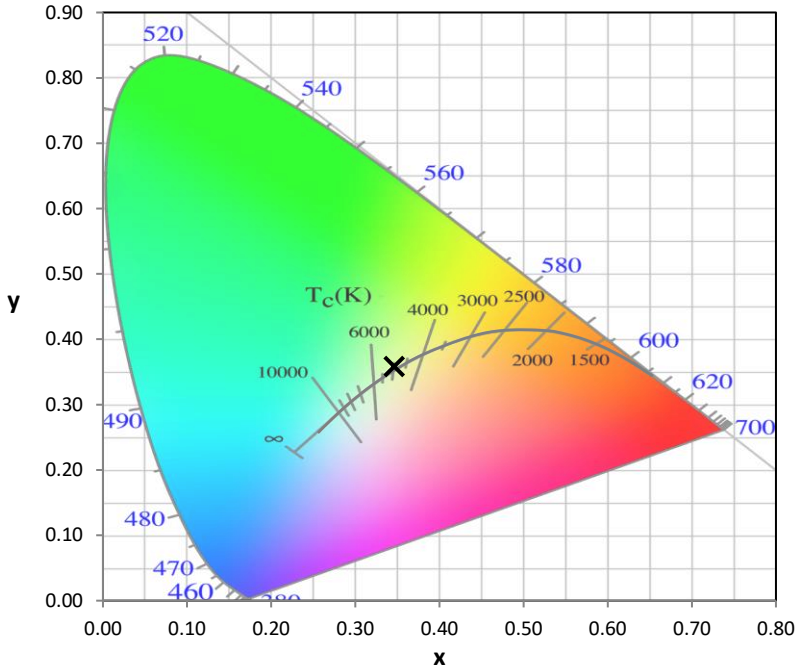
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

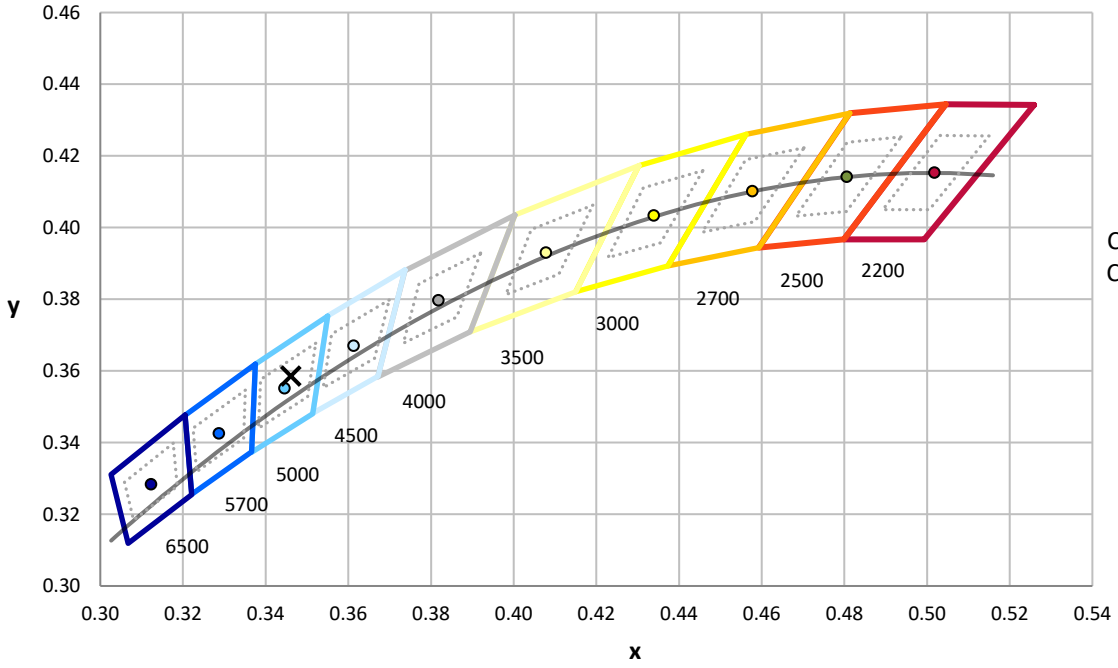
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

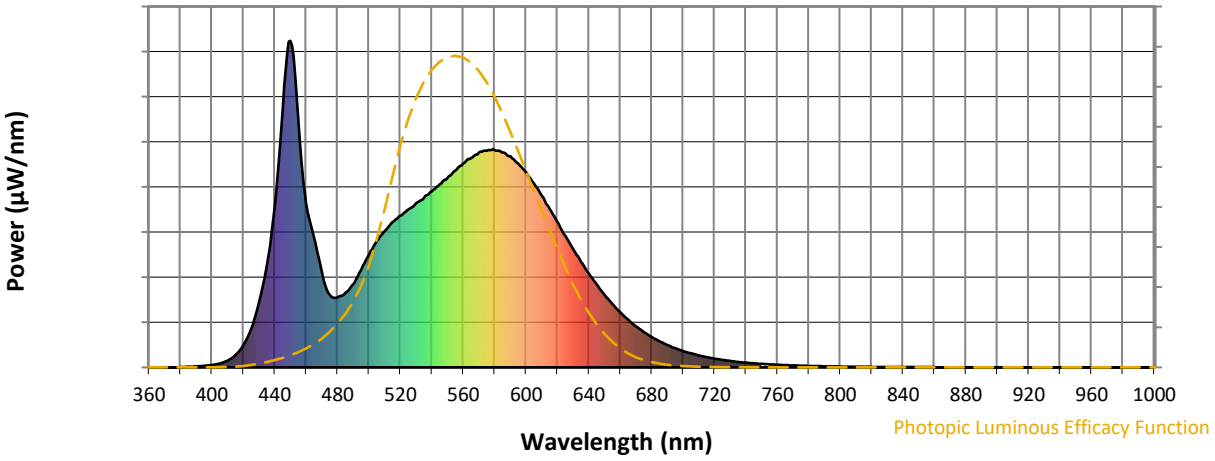


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

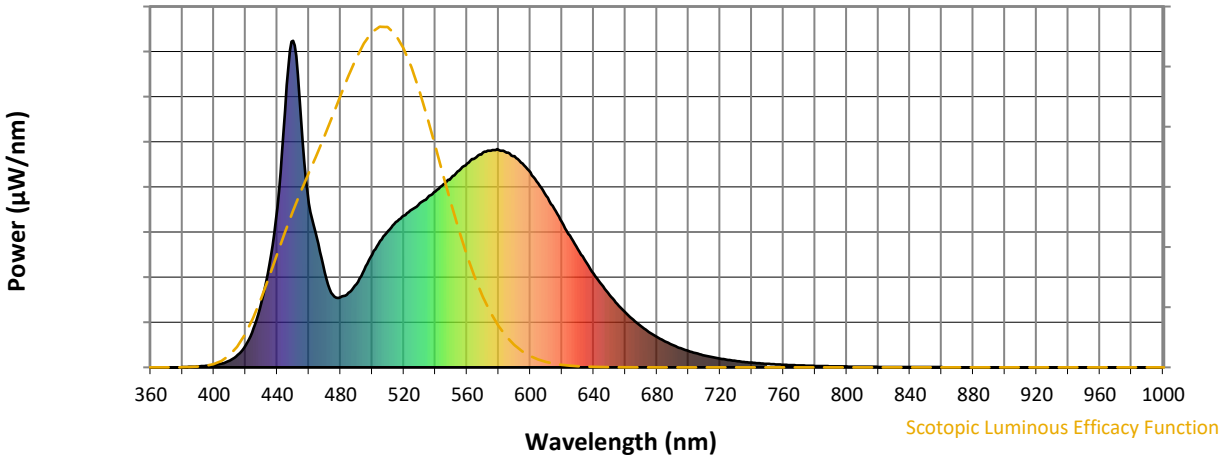


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

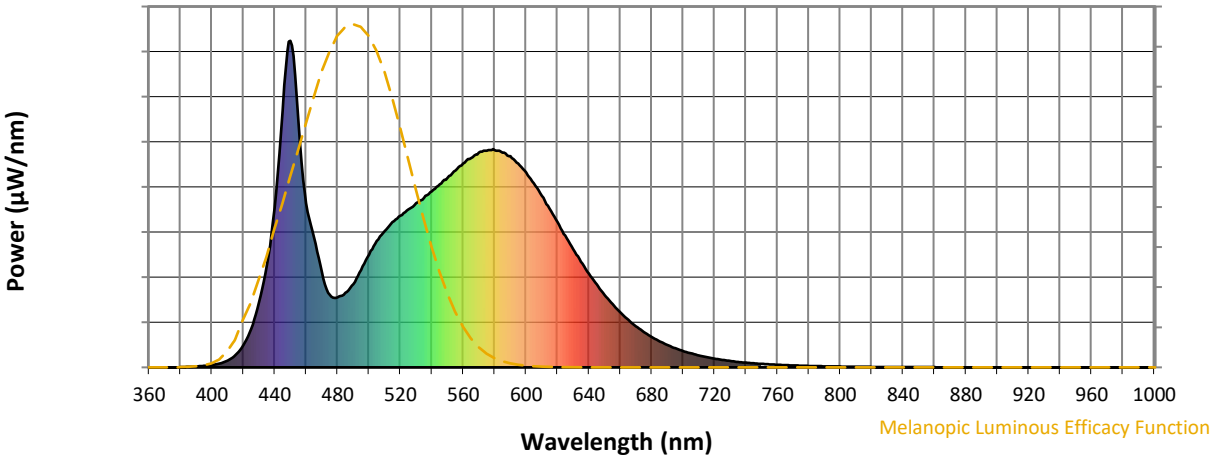


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

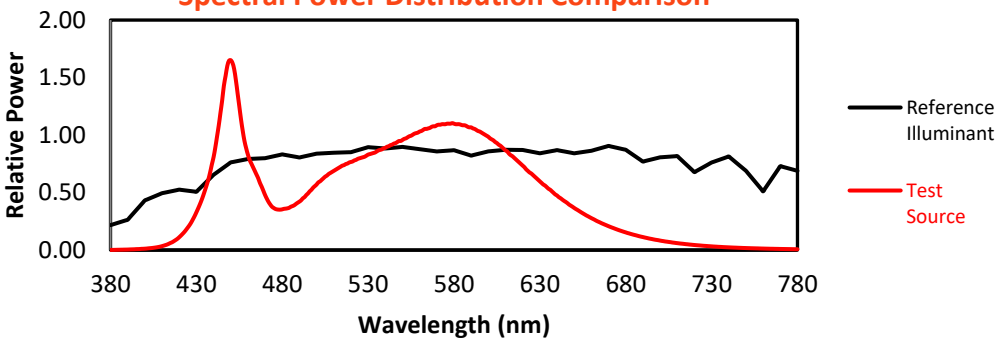
REPORT NUMBER: SP1-2501-332-5

TM-30-18

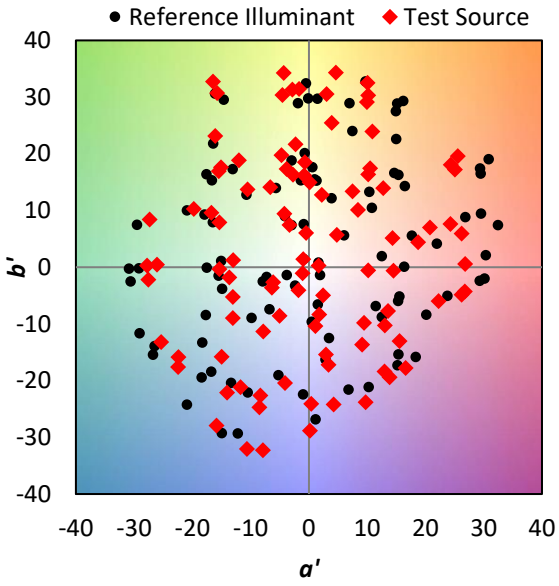
Summary

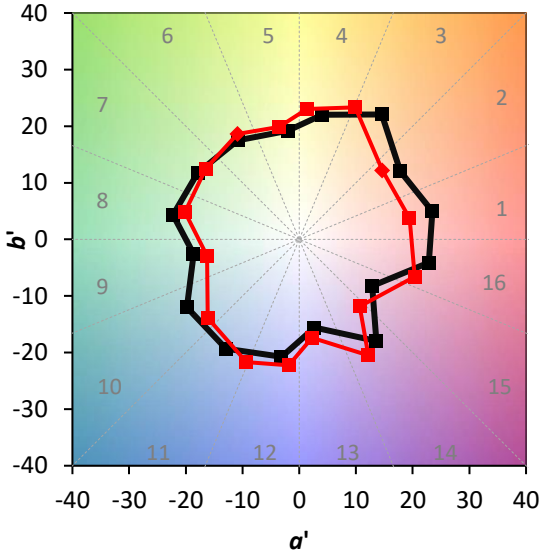
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

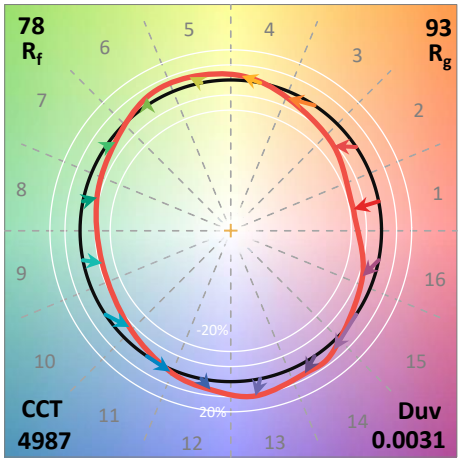
Spectral Power Distribution Comparison

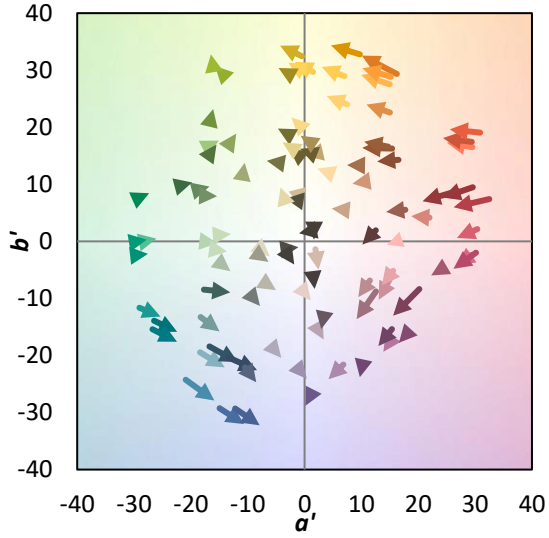


Color Vector Graphics







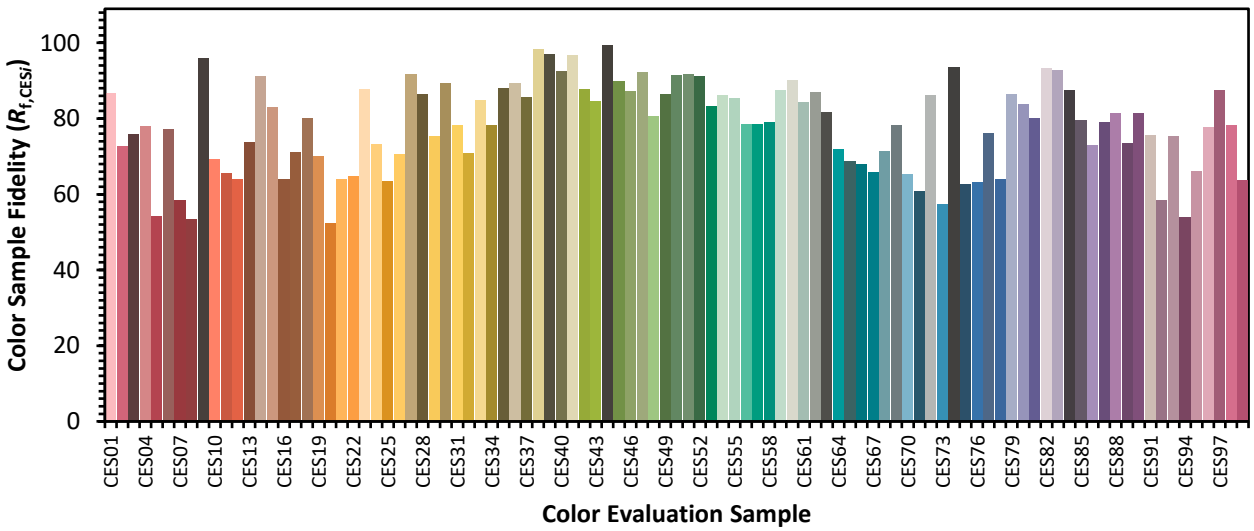


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

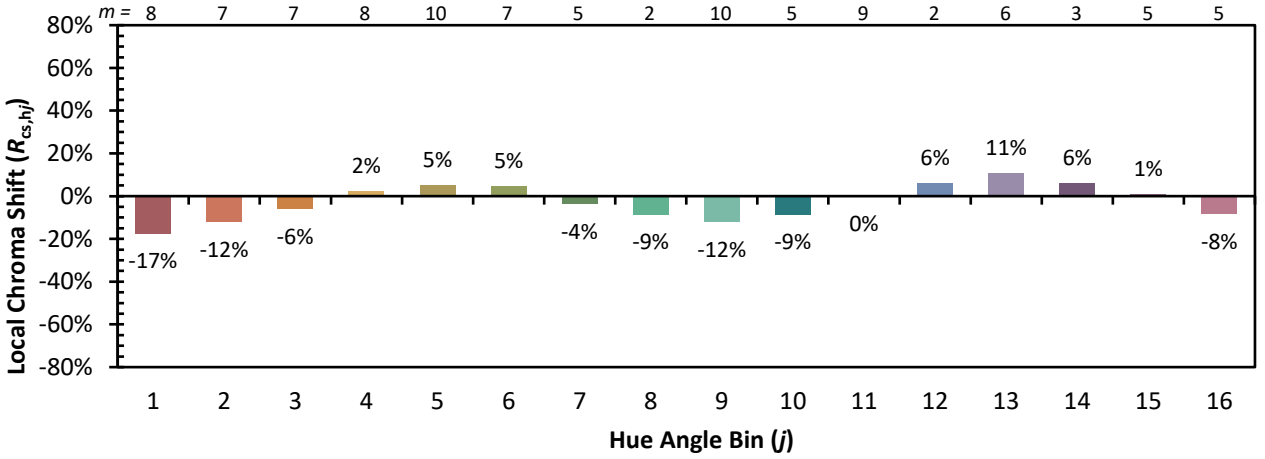
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
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CES25 = 71	CES50 = 91	CES75 = 63	

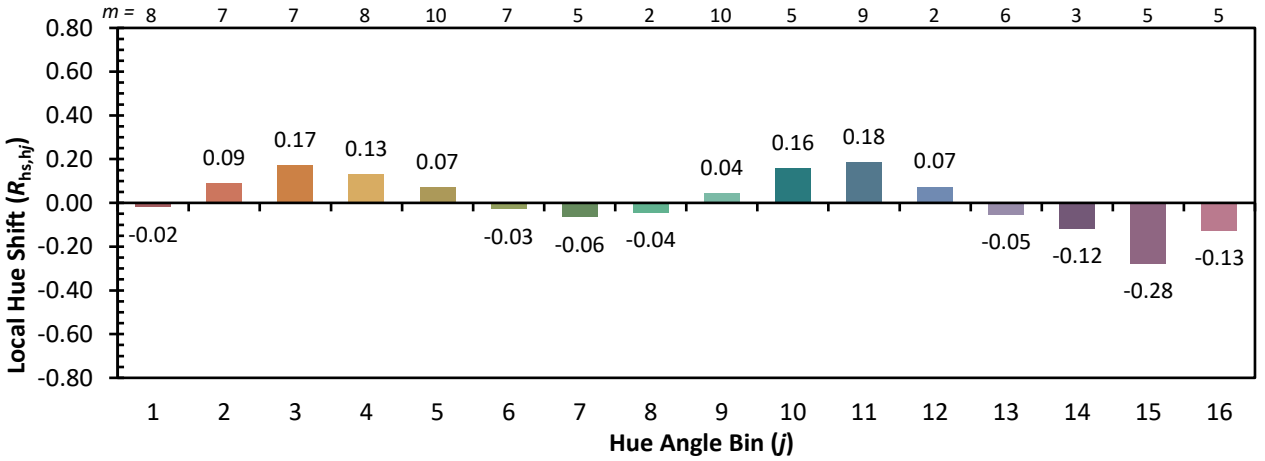


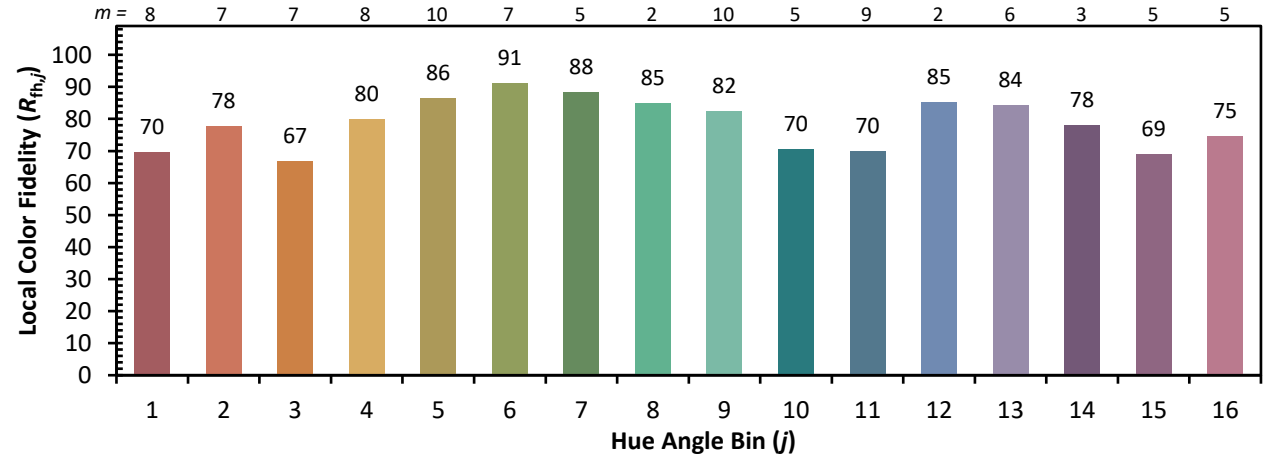
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Color Rendition by Hue-Angle Bin



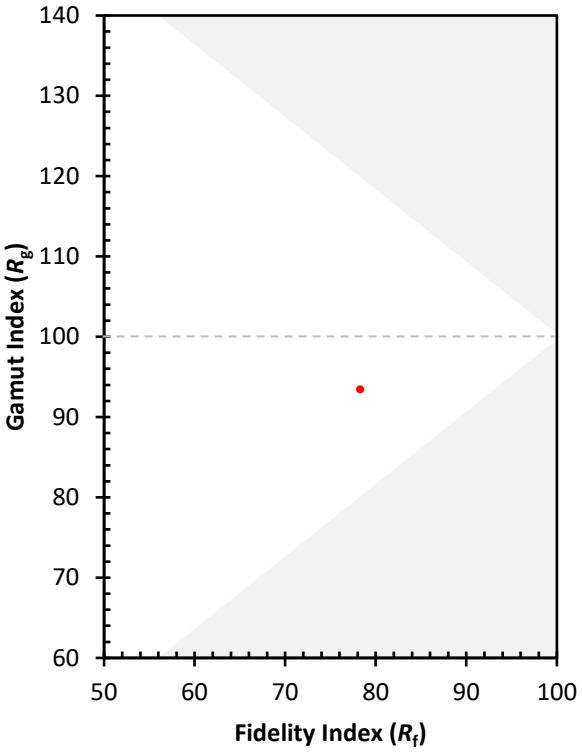


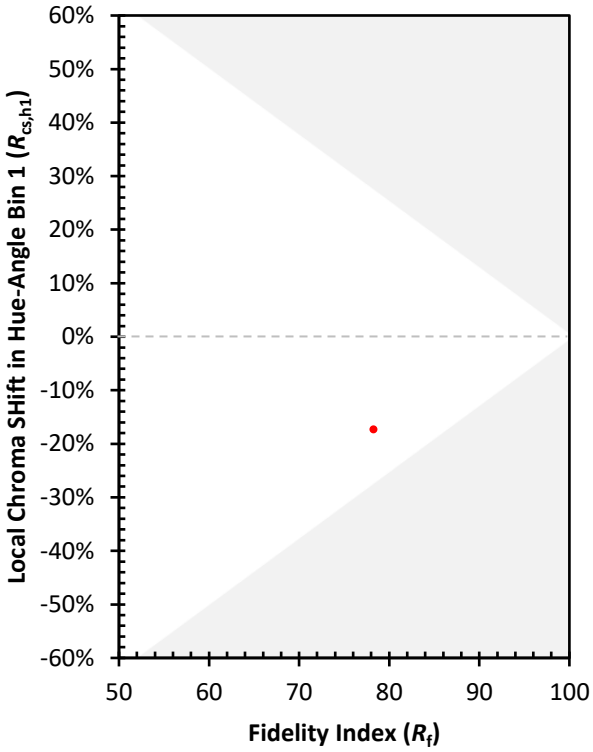


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Measure Comparisons





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