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: P1223927

Luminaire Tested: **FFX-CLB-60-722-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223927
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-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7038 lumens
Efficiency:	N/A
Efficacy:	116.1 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

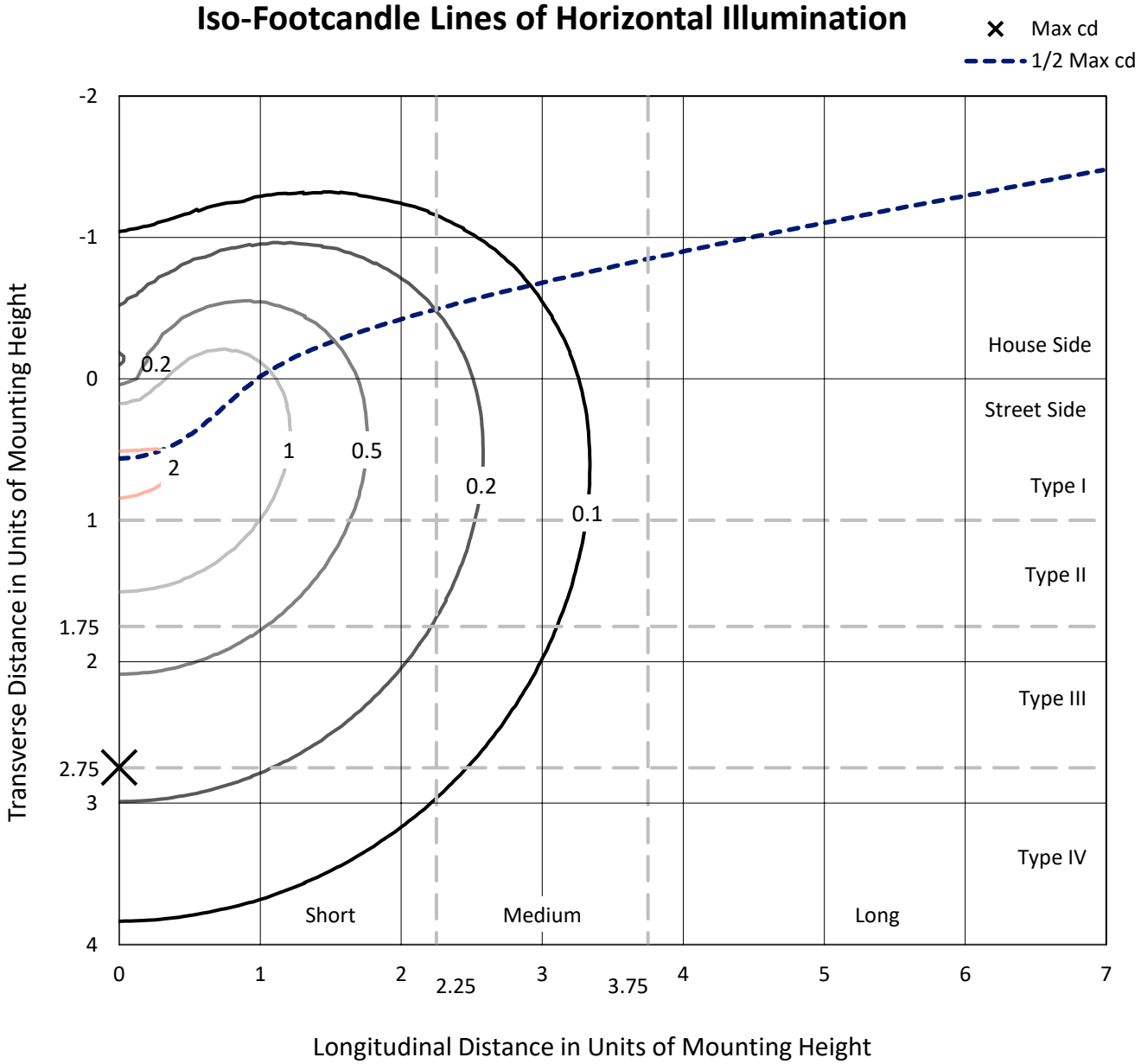


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Iso-Footcandle Lines of Horizontal Illumination



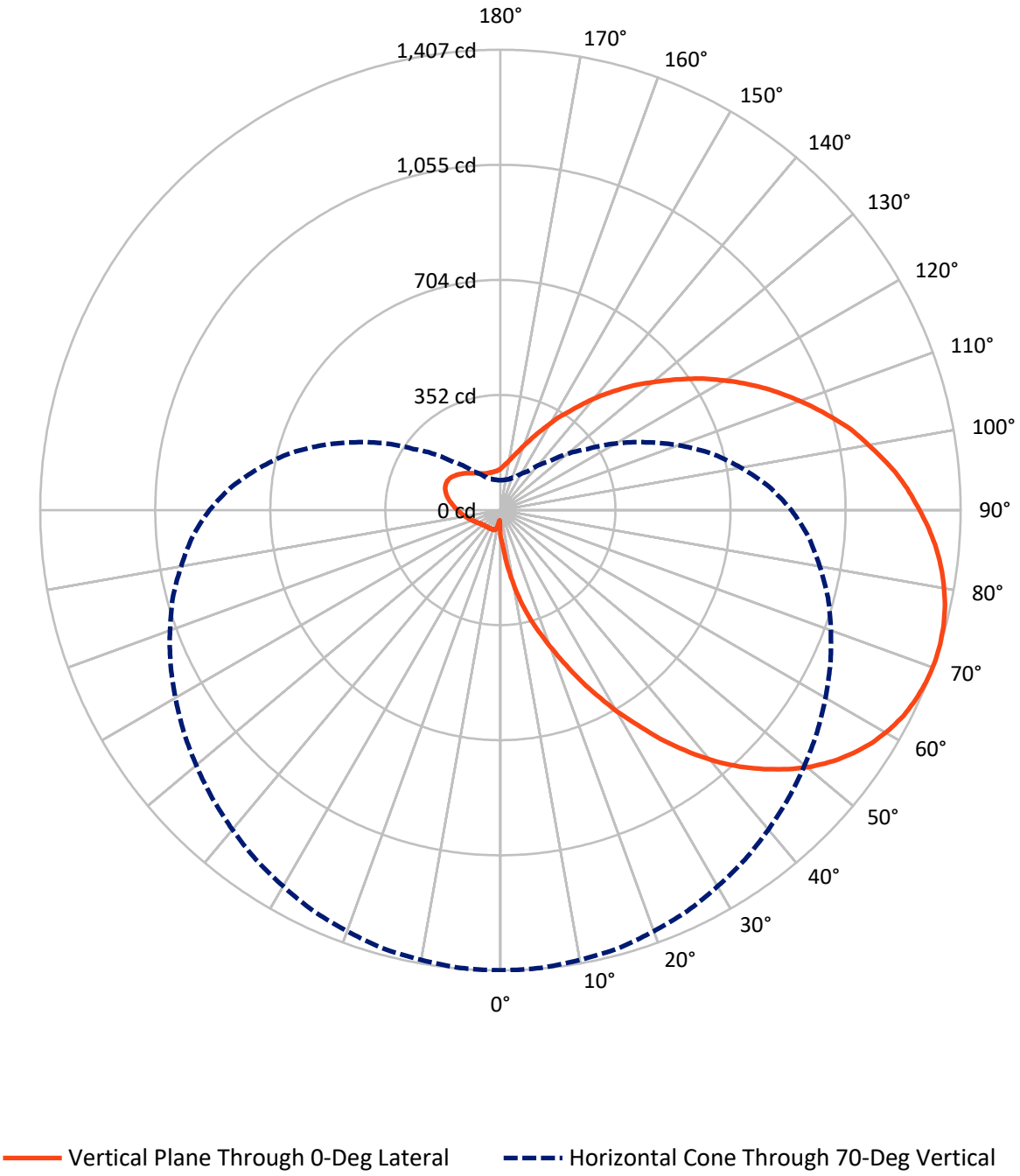
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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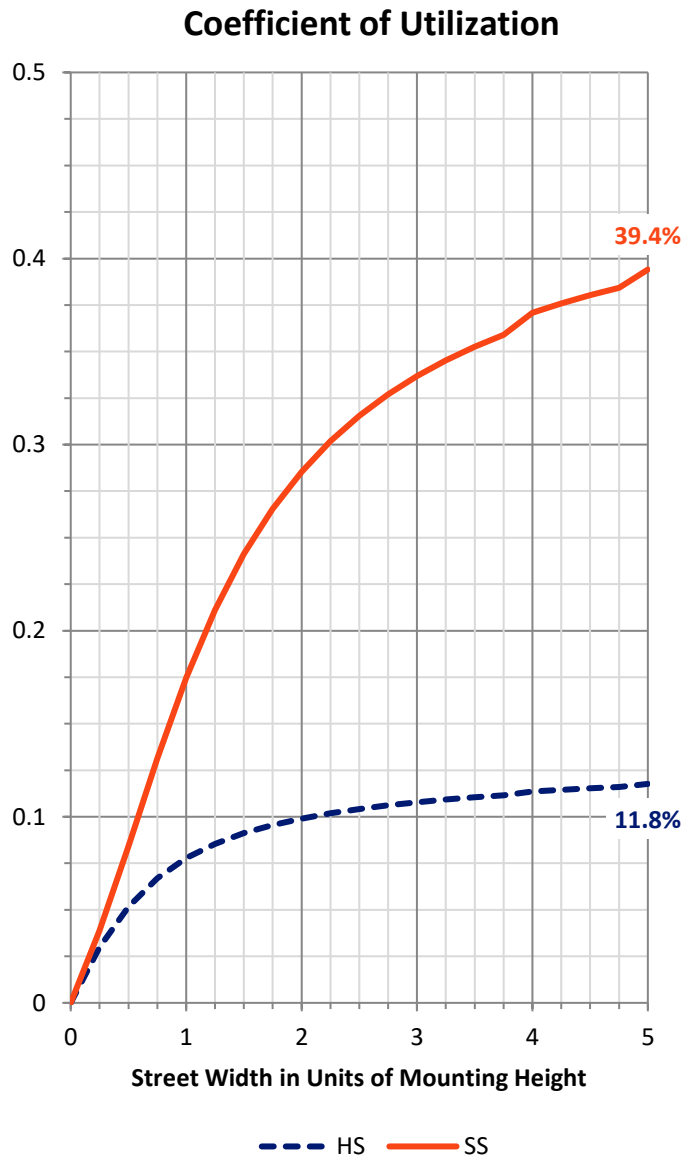
REPORT NUMBER: P1223927
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.5	870.7	1773.2
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	3170.0	2094.9	5264.9
	% Fixture	45.0	29.8	74.8
Total	Lumens	4072.5	2965.6	7038.0
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.2
10°-20°	61.5	0.9
20°-30°	161.9	2.3
30°-40°	314.5	4.5
40°-50°	490.0	7.0
50°-60°	646.4	9.2
60°-70°	759.0	10.8
70°-80°	816.6	11.6
80°-90°	812.0	11.5
90°-100°	754.9	10.7
100°-110°	662.8	9.4
110°-120°	545.1	7.7
120°-130°	410.4	5.8
130°-140°	278.1	4.0
140°-150°	168.4	2.4
150°-160°	90.7	1.3
160°-170°	42.7	0.6
170°-180°	12.4	0.2
0°-90°	4072.5	57.9
0°-180°	7038.0	100.0



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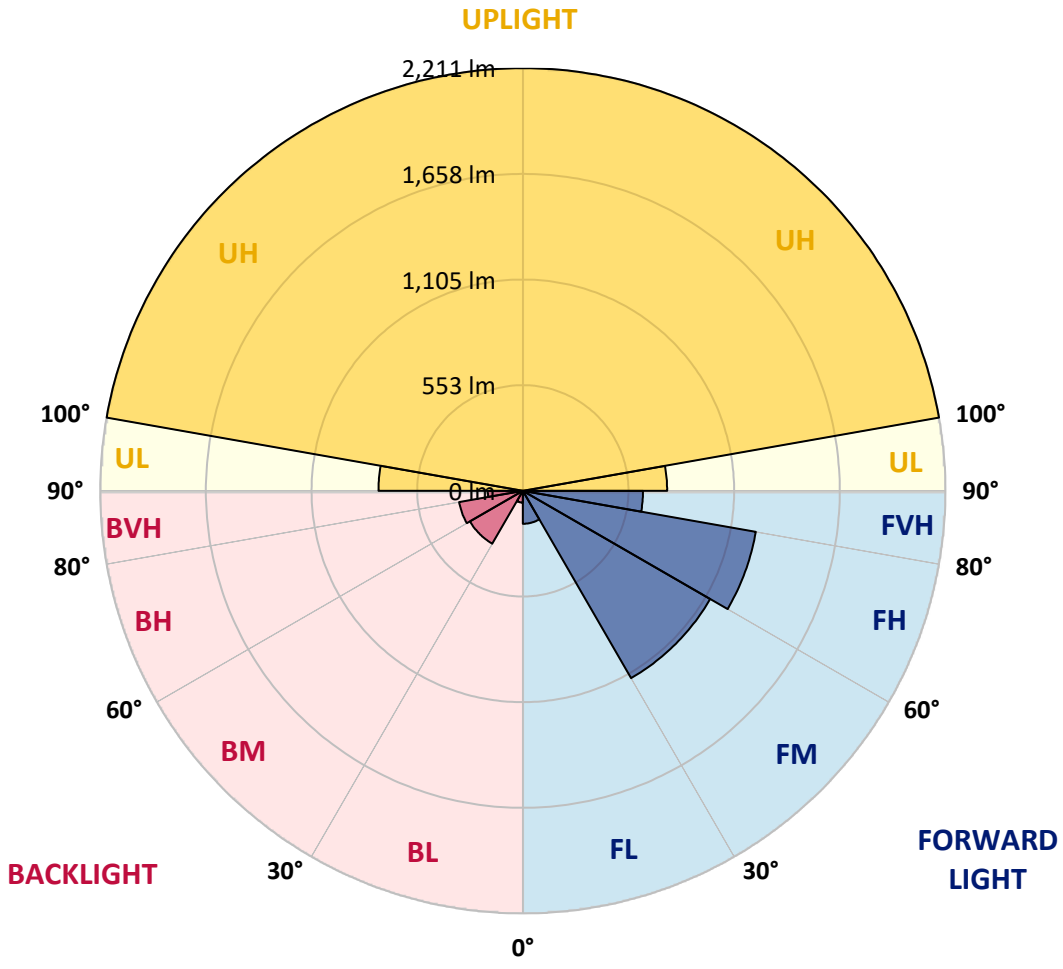
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	172.4	2.4			
FM	(30°-60°)	1131.5	16.1			
FH	(60°-80°)	1237.5	17.6			G1/1800
FVH	(80°-90°)	628.6	8.9			G4/750
BL	(0°-30°)	61.6	0.9	B0/110		
BM	(30°-60°)	319.4	4.5	B1/1000		
BH	(60°-80°)	338.2	4.8	B1/500		G1/500
BVH	(80°-90°)	183.3	2.6			G2/225
UL	(90°-100°)	754.9	10.7		U4/1000	
UH	(100°-180°)	2210.6	31.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*80.5*	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2.5°	*98.1*	98.6	98.1	98.1	99.1	98.1	97.0	93.4	89.3	84.1	81.5
5°	*137.3*	137.3	139.9	139.9	137.3	131.6	124.9	115.6	107.3	98.6	92.4
7.5°	*187.3*	188.4	186.3	181.1	178.0	166.7	160.0	148.1	137.8	125.9	120.2
10°	*239.5*	240.0	237.4	232.7	222.9	211.6	201.8	187.8	174.4	158.9	150.7
12.5°	*295.2*	294.2	289.5	279.2	273.5	260.6	247.7	233.3	215.2	196.1	186.3
15°	*348.3*	346.3	344.2	333.4	325.6	312.7	297.8	278.2	257.0	235.8	221.4
17.5°	*399.4*	394.8	391.7	386.5	374.7	363.3	344.2	321.0	298.3	270.4	255.5
20°	*454.1*	455.2	450.0	442.8	429.9	413.4	394.8	370.0	341.6	308.6	290.5
22.5°	*515.6*	515.6	512.5	503.2	489.8	468.6	446.9	421.1	386.0	351.4	329.3
25°	*583.7*	580.1	575.9	564.1	552.7	530.0	504.2	476.3	439.7	397.9	373.1
27.5°	*651.3*	649.7	645.6	632.7	618.3	594.5	568.7	532.6	492.8	443.8	418.0
30°	*723.0*	721.5	717.3	705.0	683.8	660.6	629.6	590.9	547.6	492.3	463.9
32.5°	*792.2*	792.2	787.0	774.1	751.9	724.0	691.0	647.7	599.7	542.9	508.8
35°	*869.1*	868.5	859.3	843.8	816.9	792.7	755.5	710.1	655.9	590.9	554.8
37.5°	*939.8*	937.2	927.9	911.4	886.6	855.1	813.3	763.3	707.5	638.4	597.6
40°	*1009.4*	1006.3	998.1	979.5	949.6	914.0	871.1	817.5	754.5	682.8	640.4
42.5°	*1072.4*	1071.4	1059.5	1037.3	1007.4	967.1	921.2	864.4	801.5	724.0	679.1
45°	*1129.7*	1129.7	1117.8	1093.6	1059.5	1018.7	968.1	909.8	842.7	761.7	714.2
47.5°	*1183.9*	1183.9	1172.5	1144.6	1107.0	1062.1	1010.5	950.1	878.9	795.8	745.2
50°	*1232.9*	1230.8	1217.9	1187.0	1148.8	1101.8	1047.6	984.1	912.4	826.2	775.1
52.5°	*1275.2*	1272.6	1257.7	1228.8	1185.9	1135.9	1079.1	1014.6	939.8	852.5	800.4
55°	*1310.8*	1309.3	1294.8	1261.8	1216.9	1166.8	1106.5	1039.4	965.6	874.7	822.1
57.5°	*1341.8*	1339.2	1322.2	1288.6	1243.7	1189.0	1128.1	1061.6	985.2	894.9	840.2
60°	*1365.0*	1362.4	1344.9	1311.3	1265.9	1208.1	1147.2	1079.6	1002.2	910.9	855.1
62.5°	*1384.1*	1381.0	1364.0	1328.4	1280.9	1224.1	1161.7	1093.0	1015.6	923.8	868.0
65°	*1396.0*	1393.4	1376.9	1341.3	1292.2	1235.0	1172.5	1103.4	1026.5	933.6	877.8
67.5°	*1403.7*	1401.6	1384.6	1350.0	1301.0	1242.7	1179.2	1110.1	1033.7	940.8	885.1
70°	*1407.3*	*1405.3*	*1387.7*	*1352.6*	*1304.1*	*1245.8*	*1182.3*	*1113.2*	*1037.3*	*946.0*	*889.7*
71°	*1407.3*	1405.3	1388.2	1353.1	1304.6	1246.3	1182.8	1113.7	1037.8	946.5	890.2
72.5°	*1405.8*	1404.2	1387.2	1351.6	1303.1	1245.3	1181.3	1113.2	1037.8	947.0	891.3
75°	*1400.1*	1397.0	1380.5	1345.9	1297.9	1240.1	1176.6	1108.5	1034.7	945.4	890.2
77.5°	*1389.8*	1387.2	1370.2	1336.6	1288.6	1230.3	1167.4	1100.8	1028.5	940.3	886.1
80°	*1374.8*	1372.2	1355.7	1321.1	1273.7	1217.4	1154.4	1088.9	1017.7	932.0	878.9
82.5°	*1355.7*	1353.7	1337.7	1303.1	1256.1	1200.4	1137.4	1073.4	1005.8	920.7	868.5
85°	*1333.0*	1330.4	1312.9	1278.8	1233.9	1178.2	1116.8	1054.8	988.8	906.7	856.2
87.5°	*1305.7*	1304.1	1286.6	1254.1	1209.2	1153.9	1095.1	1034.7	969.7	891.3	842.2
90°	*1275.7*	1275.2	1256.6	1224.1	1179.7	1127.6	1069.3	1010.5	947.5	872.7	825.2
92.5°	*1245.8*	1245.8	1227.2	1193.7	1149.8	1098.2	1043.0	986.2	926.3	854.1	808.7
95°	*1212.8*	1209.2	1191.6	1161.7	1117.8	1068.3	1015.1	959.4	901.6	832.9	790.1
97.5°	*1174.1*	1173.0	1156.0	1124.0	1083.7	1036.3	984.7	933.1	877.3	811.3	770.5
100°	*1136.4*	1134.3	1118.3	1088.9	1047.6	1002.2	953.7	904.2	851.5	789.1	749.8
102.5°	*1099.2*	1094.1	1077.6	1047.6	1011.5	967.1	921.7	876.3	824.7	765.3	728.7
105°	*1054.3*	1053.8	1036.8	1008.4	971.8	932.5	889.7	845.3	798.4	741.1	707.0
107.5°	*1010.5*	1010.5	994.5	966.6	932.0	894.3	856.2	814.4	771.0	715.8	684.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*965.6*	965.1	950.6	925.8	892.8	856.7	821.6	783.4	740.0	691.5	661.1
112.5°	*921.2*	920.2	906.2	880.9	850.5	821.1	786.0	750.9	711.1	666.2	637.3
115°	*876.3*	875.3	860.3	838.1	810.2	779.8	750.4	716.8	682.2	637.3	612.1
117.5°	*829.8*	828.8	816.4	794.7	768.4	744.2	714.8	685.9	650.8	610.0	584.7
120°	*782.4*	782.9	770.5	750.9	726.6	703.9	678.1	651.8	619.3	580.6	556.3
122.5°	*737.5*	733.9	725.6	708.0	686.4	665.2	643.5	616.7	586.3	549.6	528.5
125°	*689.5*	688.4	680.2	662.6	644.1	627.5	607.4	583.2	555.3	518.1	499.0
127.5°	*643.0*	644.6	635.3	622.4	604.3	590.4	569.7	548.6	521.7	488.2	470.1
130°	*599.7*	598.6	593.5	580.1	565.1	550.6	535.2	516.1	490.8	457.2	440.7
132.5°	*559.4*	554.8	550.1	538.8	526.4	514.5	501.1	482.0	456.2	426.8	412.3
135°	*515.6*	515.6	508.3	498.5	489.8	478.4	465.0	447.4	425.2	399.4	382.9
137.5°	*475.3*	473.2	468.6	460.9	452.6	444.3	433.0	415.4	395.8	371.1	356.6
140°	*437.1*	435.6	431.4	424.7	418.0	410.3	400.0	385.0	366.9	343.2	330.8
142.5°	*397.4*	398.4	394.8	390.1	382.4	377.2	368.0	354.5	338.5	317.9	306.0
145°	*361.8*	362.3	360.7	356.1	350.4	345.3	335.4	325.6	310.2	291.6	282.8
147.5°	*332.3*	330.3	327.2	324.6	319.4	315.3	307.6	298.3	283.8	267.8	259.6
150°	*299.3*	300.9	297.8	294.7	291.6	285.9	280.2	272.5	259.1	246.2	237.4
152.5°	*271.5*	272.5	269.9	268.4	265.3	260.6	254.9	247.7	237.4	226.0	217.8
155°	*246.7*	246.7	246.7	244.6	241.0	237.9	232.2	225.5	216.7	206.4	200.8
157.5°	*224.0*	224.5	224.5	221.9	219.3	216.7	212.1	206.4	198.7	189.9	185.8
160°	*205.9*	204.9	204.4	202.3	200.2	198.2	194.0	189.4	182.7	175.5	171.9
162.5°	*187.8*	187.8	186.8	185.3	183.7	180.6	178.0	173.4	168.8	163.6	159.5
165°	*173.9*	173.4	173.4	171.3	169.8	167.2	164.6	161.5	157.4	152.8	149.7
167.5°	*162.0*	161.0	160.5	159.5	157.4	155.9	153.3	150.7	147.6	144.5	141.9
170°	*150.7*	151.2	150.2	149.1	148.1	146.6	144.5	142.4	139.9	136.8	135.7
172.5°	*143.0*	142.4	141.9	140.9	139.9	138.3	137.3	135.2	133.7	131.6	130.6
175°	*135.7*	135.7	135.2	134.2	133.1	132.1	131.1	130.0	129.0	127.5	127.0
177.5°	*130.0*	130.0	130.0	129.0	128.5	128.0	127.0	126.4	125.9	124.9	124.9
180°	*124.4*	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2.5°	79.0	72.2	66.6	61.4	57.3	53.7	51.6	48.0	45.4	43.9
5°	88.8	79.0	70.7	62.4	56.3	49.5	42.8	36.1	32.0	31.5
7.5°	112.5	101.7	89.3	78.4	66.1	55.7	47.0	40.3	37.7	37.2
10°	142.4	126.4	109.9	93.9	77.9	65.0	55.7	49.5	46.4	45.9
12.5°	175.5	153.8	132.6	112.0	92.9	78.4	67.1	59.9	56.3	56.3
15°	209.5	182.7	155.9	130.6	108.4	90.3	76.4	67.1	63.0	62.4
17.5°	239.5	209.0	177.0	147.1	120.2	97.5	81.0	69.7	64.5	64.0
20°	273.5	234.8	198.2	161.0	129.5	103.2	83.6	70.7	64.0	63.5
22.5°	309.6	265.8	220.4	177.0	139.3	108.9	86.2	71.7	64.5	63.5
25°	350.4	297.8	243.1	193.0	149.1	114.1	88.8	72.8	65.0	64.0
27.5°	389.1	330.8	267.3	208.0	157.9	118.7	90.8	73.8	65.5	64.5
30°	430.4	363.3	291.1	224.0	167.2	123.3	92.9	74.3	65.5	64.5
32.5°	472.2	394.8	315.8	238.4	174.9	126.4	93.9	74.8	66.1	65.0
35°	516.6	428.9	339.1	253.4	182.2	129.5	95.0	75.3	66.1	65.0
37.5°	557.4	461.4	361.8	266.3	188.4	132.1	96.0	75.3	66.6	65.5
40°	594.0	490.8	381.9	277.6	193.5	133.7	96.5	75.9	67.1	66.1
42.5°	630.1	519.7	400.0	286.9	197.7	134.7	97.0	76.4	67.6	66.6
45°	662.1	543.9	416.5	295.7	200.8	135.7	97.5	76.9	68.1	67.1
47.5°	690.5	566.6	432.0	302.9	202.8	136.2	98.1	77.4	69.2	68.1
50°	717.9	588.3	443.8	308.6	204.9	136.8	98.1	78.4	70.7	69.7
52.5°	741.1	605.9	454.7	313.3	205.9	137.3	99.1	79.5	71.7	71.2
55°	761.2	621.3	464.5	316.9	206.9	137.3	100.1	81.0	73.8	72.8
57.5°	777.7	633.7	471.2	318.9	206.9	137.8	100.6	83.1	75.9	74.8
60°	792.2	644.6	477.4	321.5	207.5	138.3	102.2	85.2	78.4	77.9
62.5°	804.0	652.8	482.0	323.1	208.0	139.9	104.2	87.7	81.0	80.5
65°	813.3	660.1	485.6	324.1	208.5	140.9	106.3	90.3	84.6	84.1
67.5°	819.5	665.2	488.2	324.6	209.0	142.4	108.9	93.9	88.2	87.2
70°	*824.2*	*668.3*	*489.8*	*325.1*	*210.0*	*144.0*	*112.0*	*97.0*	*91.9*	*91.3*
71°	825.2	668.8	490.3	325.1	210.6	145.0	113.0	98.6	93.4	92.9
72.5°	825.7	669.3	490.3	325.1	211.1	146.6	115.1	101.1	96.0	95.5
75°	825.2	668.8	489.8	325.1	212.1	149.1	118.7	104.8	100.1	99.6
77.5°	821.6	666.8	488.2	325.1	213.7	152.2	122.8	109.9	104.8	104.2
80°	815.4	662.6	485.6	324.6	215.2	155.9	127.0	114.6	109.4	108.9
82.5°	807.1	656.4	482.0	324.6	217.3	158.9	131.1	118.7	114.6	114.1
85°	796.3	649.2	478.4	324.1	219.8	163.1	136.2	124.4	120.2	119.2
87.5°	783.4	640.4	474.3	324.1	222.4	167.7	141.4	129.5	125.4	124.4
90°	768.9	630.6	470.1	324.1	225.5	172.4	147.1	135.2	130.6	130.0
92.5°	754.5	621.3	466.0	324.6	229.7	177.5	152.8	141.4	136.8	136.8
95°	738.0	610.0	461.4	325.6	233.8	183.2	159.5	147.6	143.0	142.4
97.5°	721.5	599.7	457.8	327.2	238.4	189.9	165.7	154.3	149.7	148.6
100°	702.9	588.8	454.1	329.3	244.1	196.1	172.4	161.0	156.4	155.9
102.5°	684.8	577.0	450.0	331.8	249.8	203.3	179.6	167.7	163.1	162.6
105°	665.2	564.6	445.4	333.9	255.5	210.0	186.3	173.9	168.8	168.8
107.5°	646.1	551.7	440.7	336.5	261.1	216.7	192.5	180.1	174.4	173.9

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

Scaled Data Report

REPORT NUMBER: P1223927
CATALOG NUMBER: FFX-CLB-60-722-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	624.4	537.7	435.0	338.0	266.3	222.4	198.2	184.8	179.1	178.6
112.5°	604.8	522.8	428.9	338.5	270.9	227.6	202.8	188.9	183.2	182.2
115°	580.1	507.3	420.6	337.5	273.5	231.7	205.9	191.5	185.3	184.2
117.5°	556.3	489.8	411.8	334.9	275.1	233.8	208.0	193.0	186.3	185.3
120°	532.1	470.1	399.4	330.3	273.5	233.8	208.0	192.0	185.3	184.8
122.5°	504.7	449.5	386.5	323.6	270.9	231.7	205.9	190.4	183.2	182.7
125°	476.3	427.3	371.1	314.3	265.8	228.6	202.8	187.3	180.1	179.6
127.5°	449.0	404.6	355.1	303.4	258.6	223.5	198.7	182.7	175.5	174.4
130°	422.1	380.9	337.0	290.5	249.8	216.7	193.0	178.0	170.8	169.8
132.5°	394.3	358.2	318.9	278.2	240.5	209.5	186.8	172.4	165.7	164.6
135°	368.0	334.4	299.3	263.2	229.7	201.3	180.1	166.7	160.0	159.5
137.5°	342.7	312.2	281.3	248.7	218.8	193.0	173.4	161.0	154.8	153.8
140°	316.9	290.5	262.7	234.8	206.9	184.2	166.7	154.8	149.1	148.1
142.5°	294.7	269.9	245.1	219.3	195.6	174.9	159.5	148.6	144.0	143.5
145°	271.5	249.8	227.6	205.4	184.8	166.7	152.8	143.5	138.8	138.3
147.5°	250.8	230.2	211.1	192.0	173.9	157.9	146.0	138.3	134.7	134.2
150°	229.7	213.1	196.6	179.1	163.6	150.2	140.4	133.7	130.0	129.5
152.5°	211.1	197.1	182.2	168.8	154.3	143.5	135.2	129.0	126.4	125.9
155°	195.1	183.2	170.8	158.4	147.1	138.3	131.1	125.9	123.9	123.9
157.5°	181.1	170.8	160.5	150.2	140.9	133.1	127.5	123.9	121.8	121.3
160°	167.7	159.5	150.2	142.4	135.2	129.5	124.9	121.8	120.2	119.7
162.5°	156.9	149.7	143.5	136.8	131.1	126.4	122.8	120.2	119.2	119.2
165°	147.6	142.4	136.8	132.1	127.5	123.9	121.3	119.7	118.7	118.7
167.5°	140.4	135.7	132.1	128.0	124.9	122.3	120.2	119.2	118.7	118.2
170°	134.2	131.1	128.0	125.4	122.8	121.3	119.7	119.2	118.7	118.7
172.5°	129.5	127.5	125.4	123.3	121.8	120.2	119.7	119.2	119.2	119.2
175°	125.9	124.9	123.3	122.3	121.3	120.8	120.2	120.2	120.2	120.2
177.5°	124.4	123.3	122.8	122.3	121.8	121.8	121.8	122.3	122.3	122.3
180°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4

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

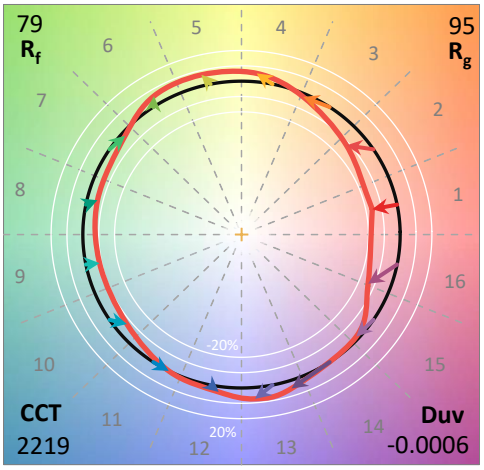
Test Information

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

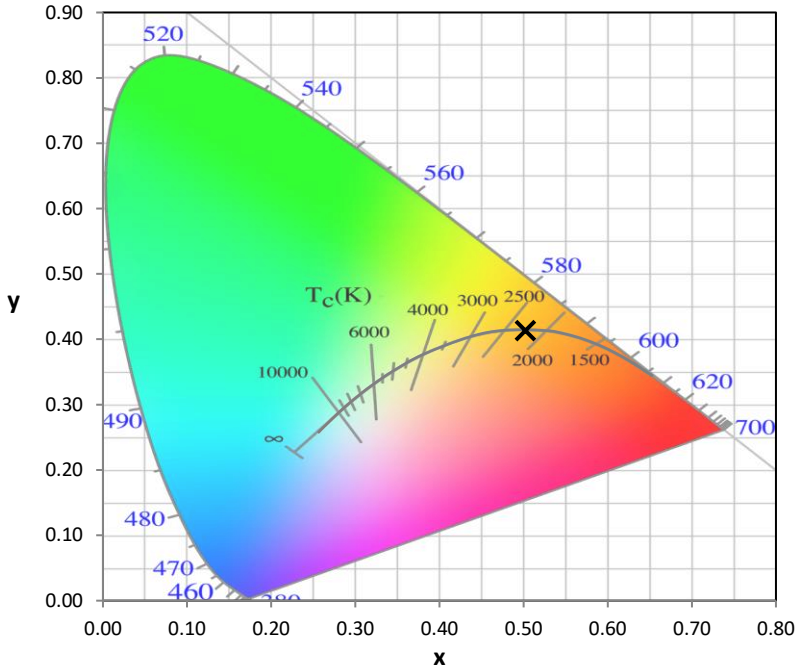
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

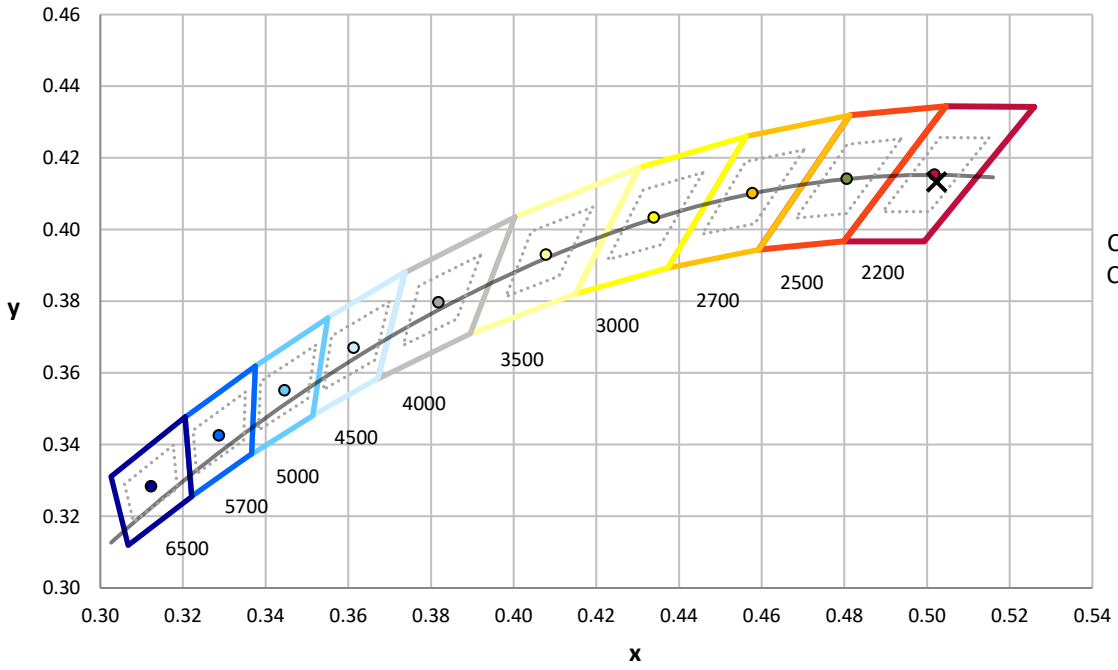
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

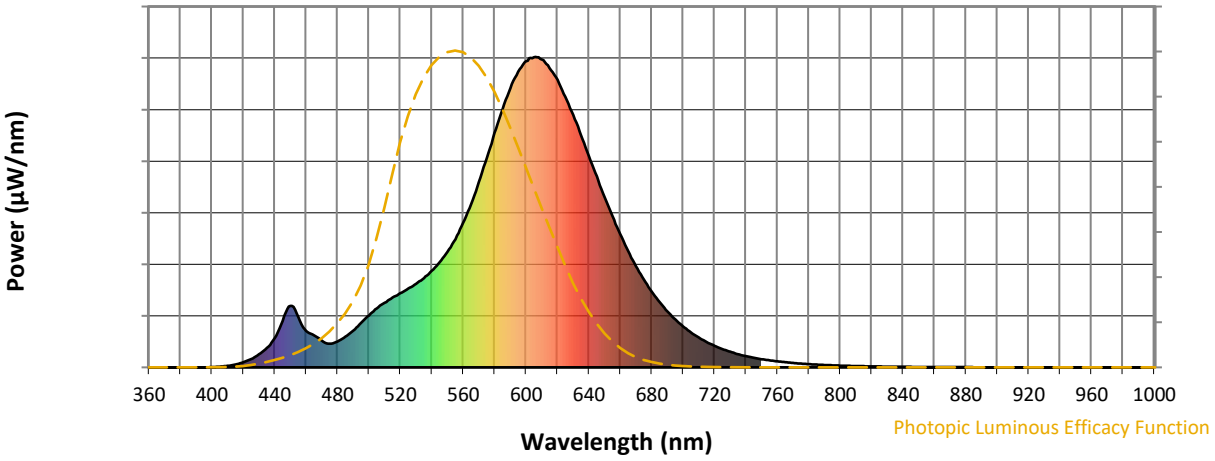


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

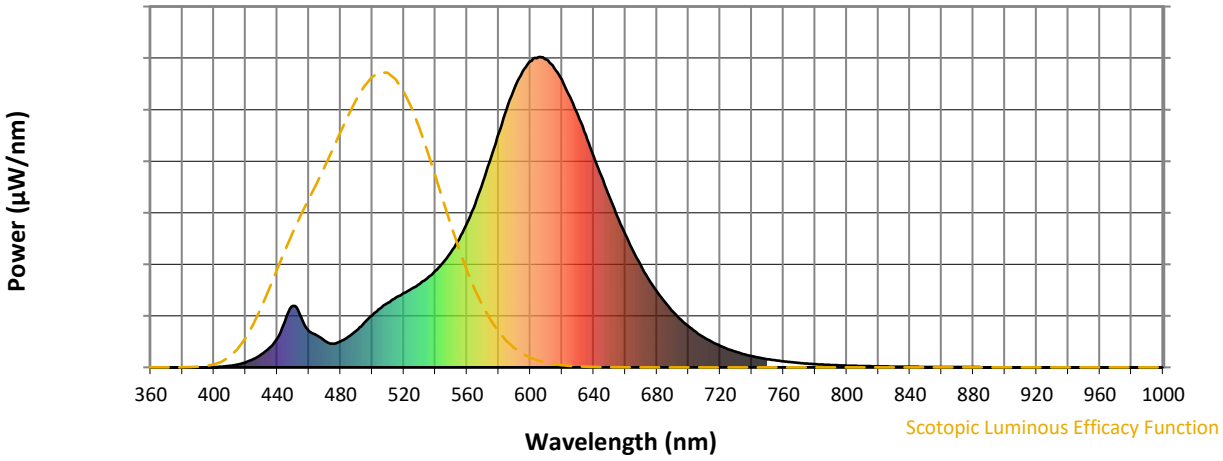


Photopic Lumens: NR

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

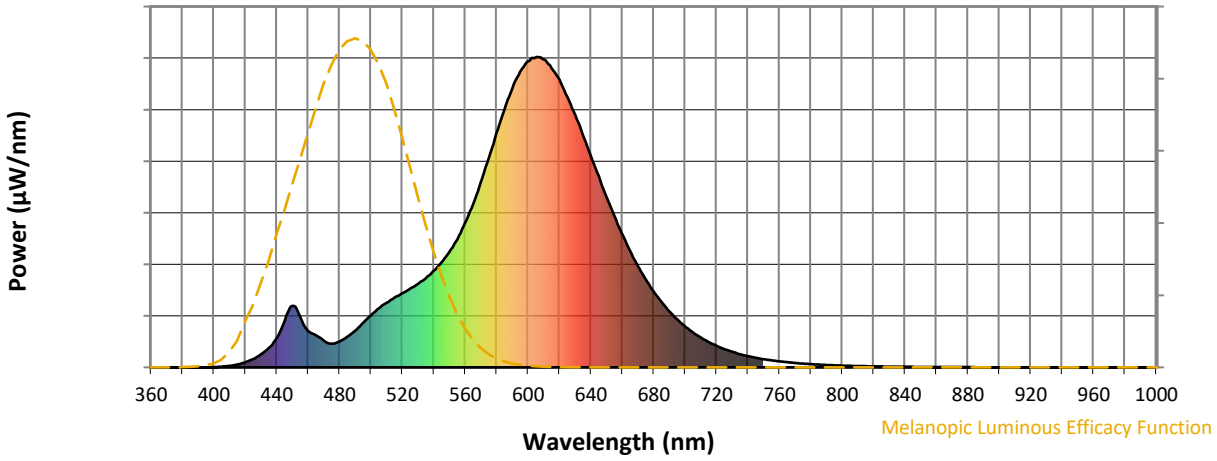


Scotopic Lumens: NR **S/P: 0.94**

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			

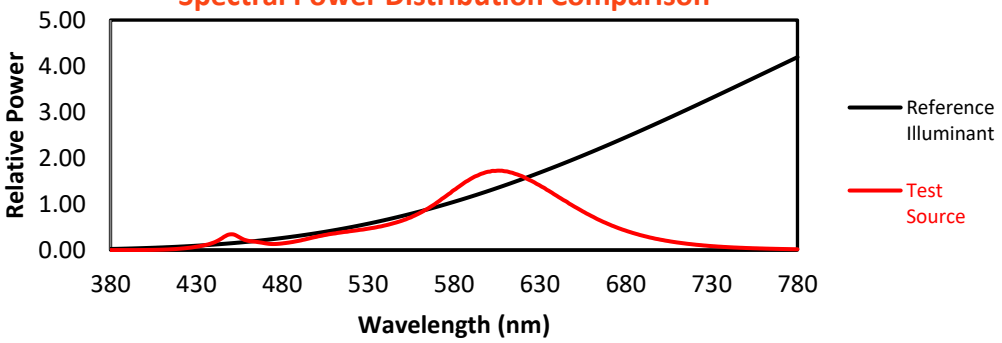
REPORT NUMBER: SP1-2501-332-2

TM-30-18

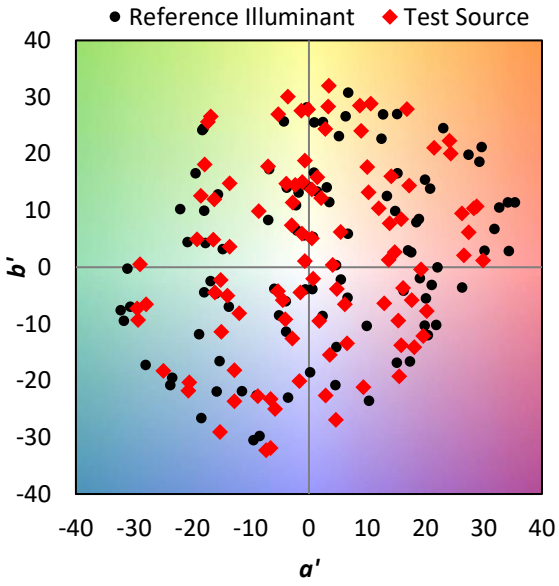
Summary

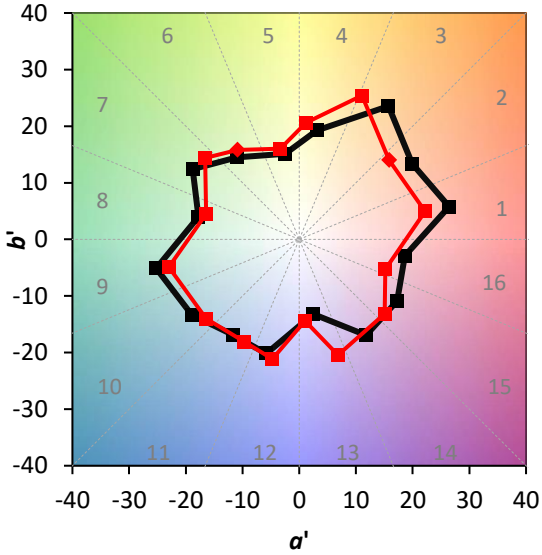
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

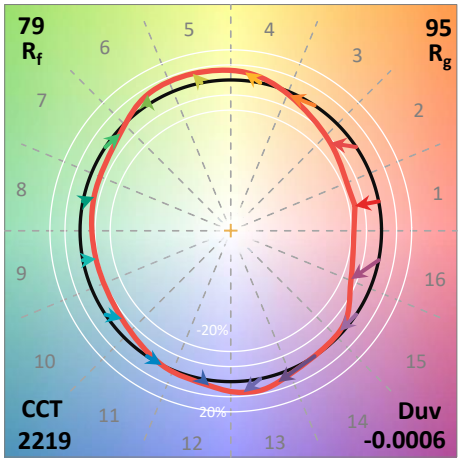
Spectral Power Distribution Comparison

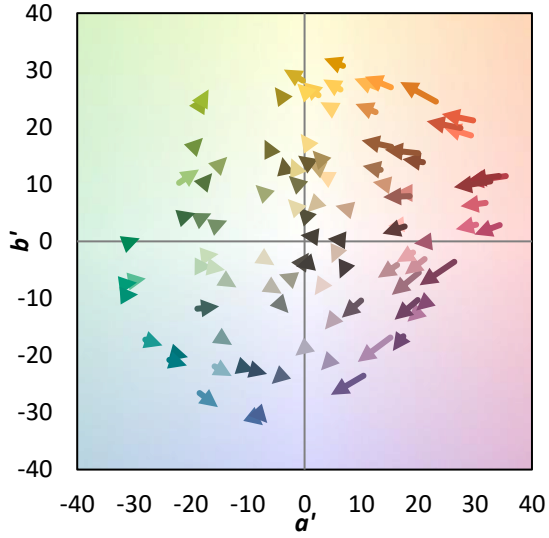


Color Vector Graphics







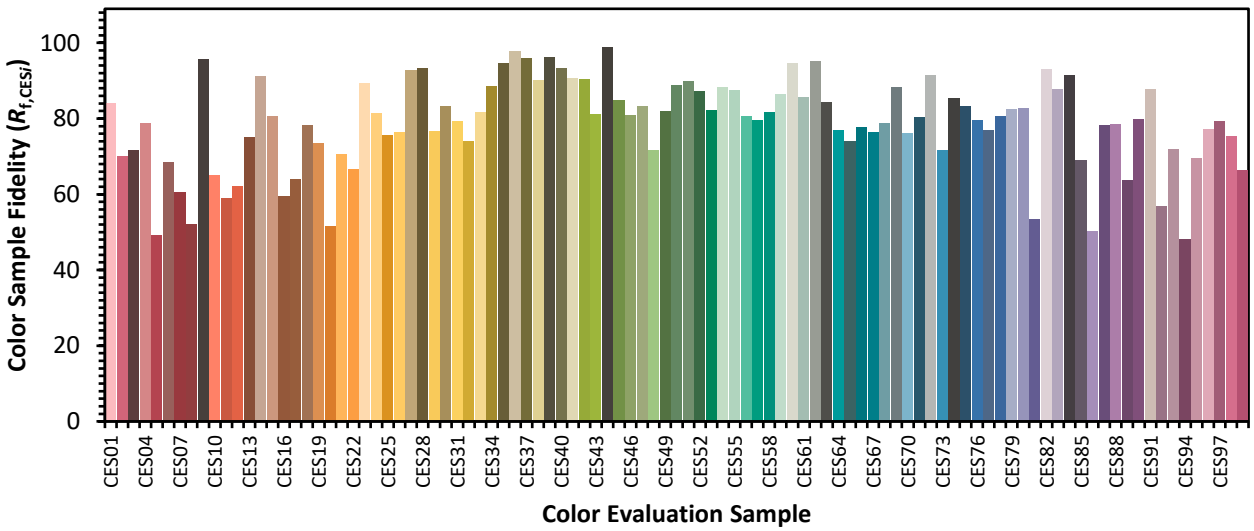


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

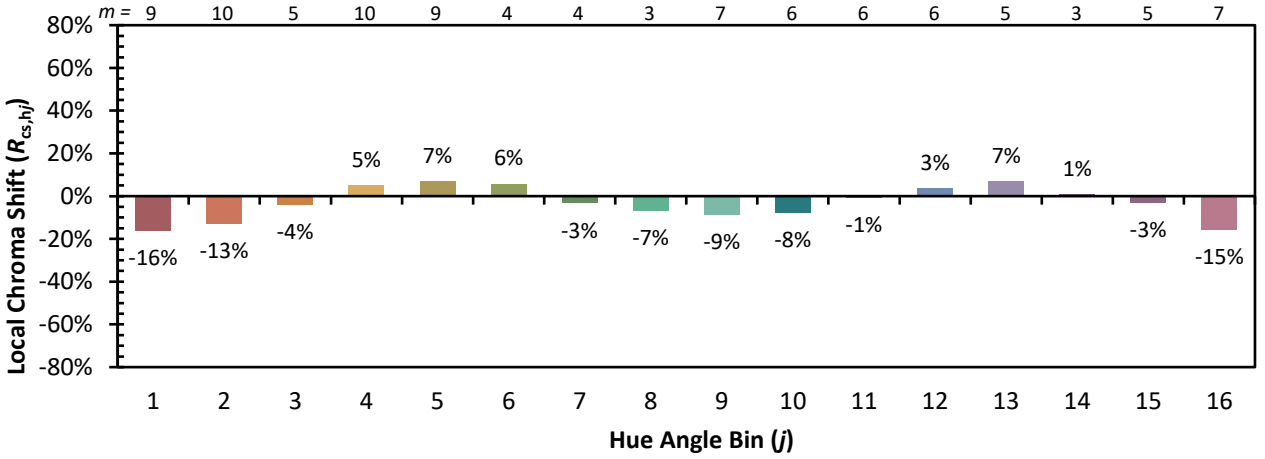
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82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

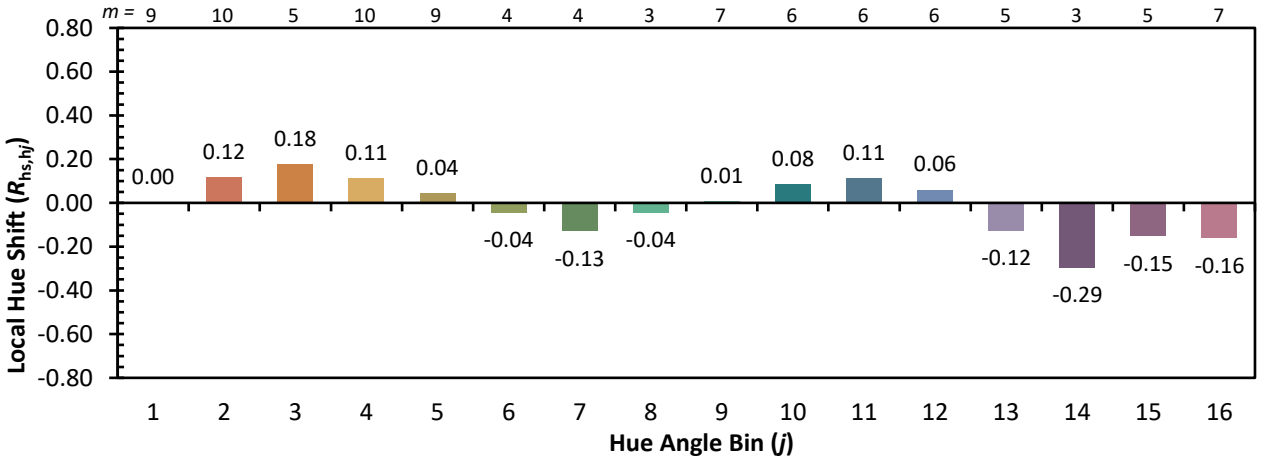


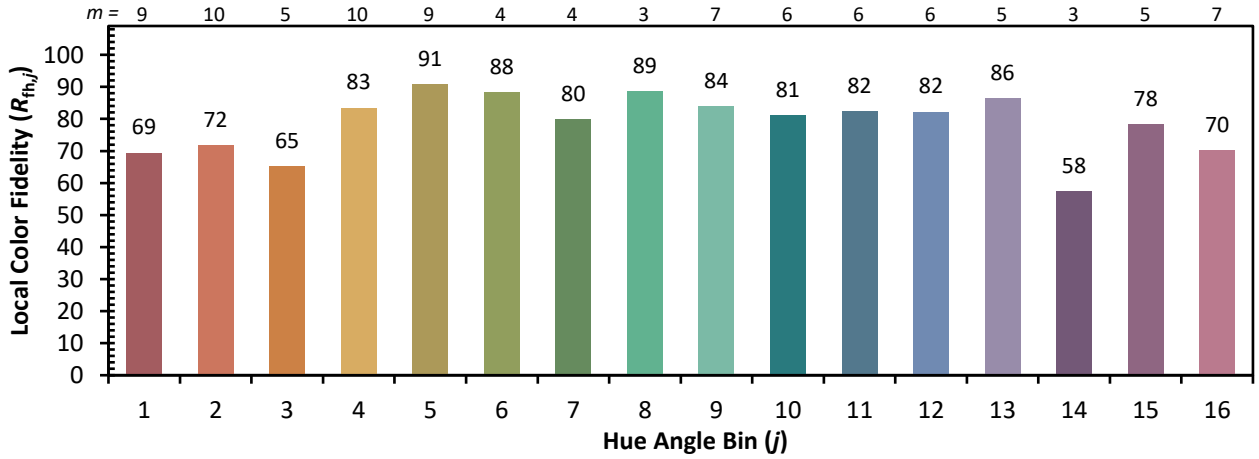
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



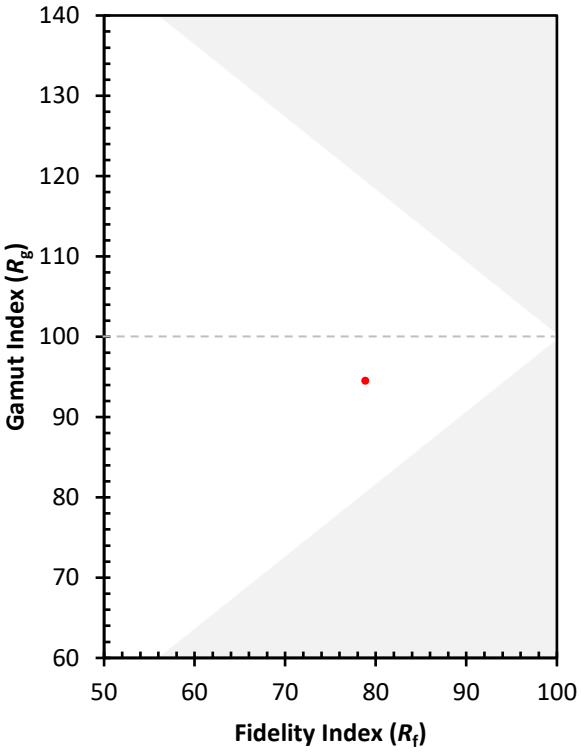


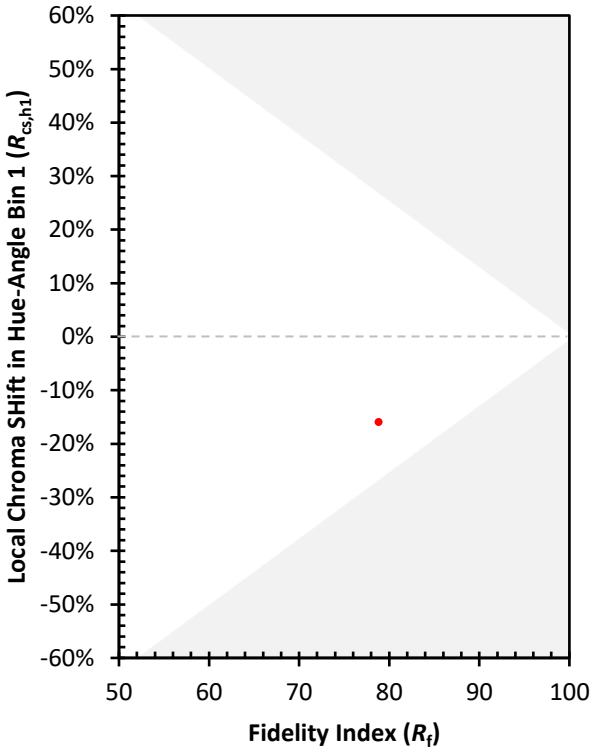


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)