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: P1224054

Luminaire Tested: **FFX-CLB-50-750-U-VM8-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:	P1224054
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-750-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7407.8 lumens
Efficiency:	N/A
Efficacy:	146.4 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):	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

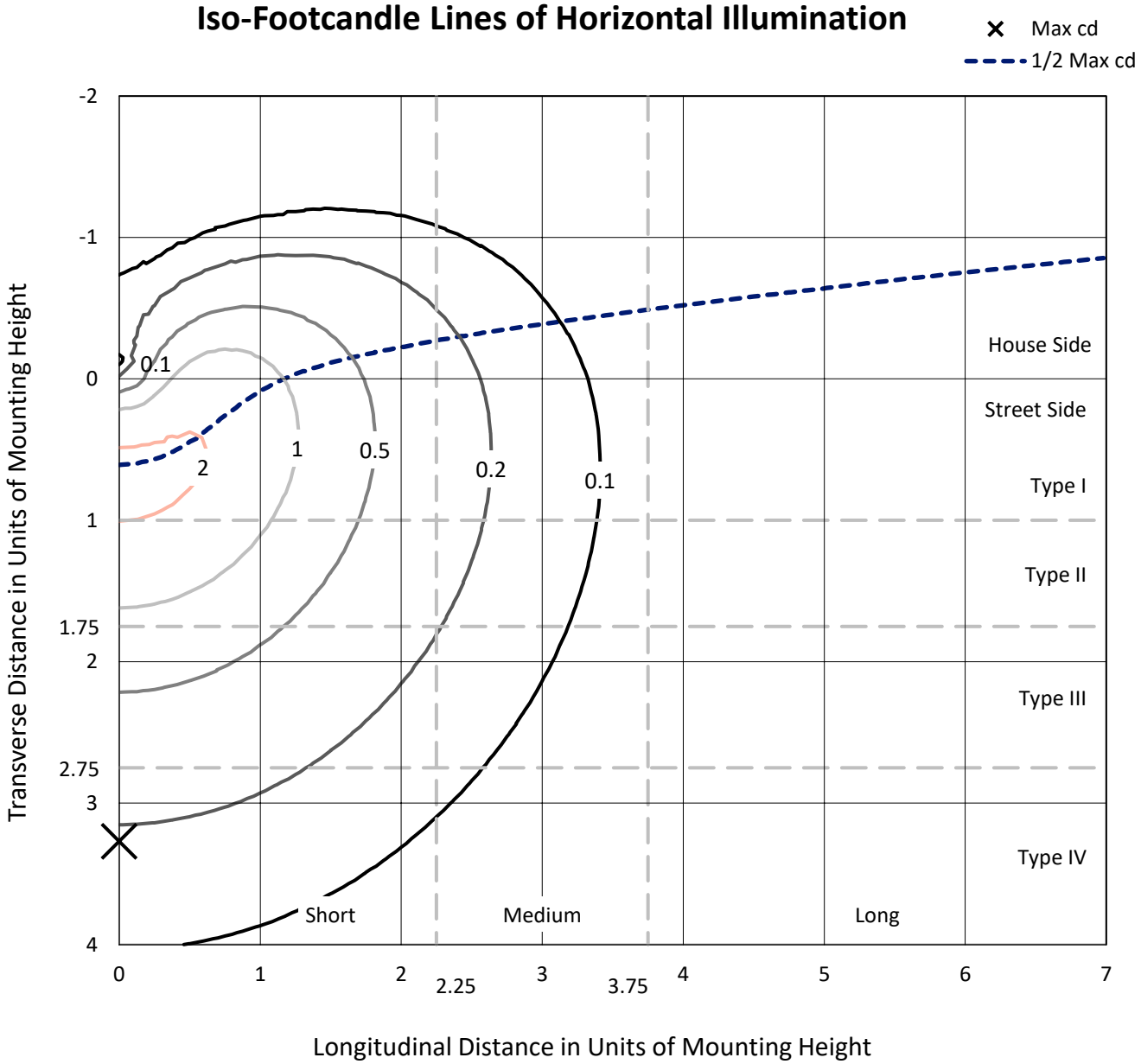


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Iso-Footcandle Lines of Horizontal Illumination



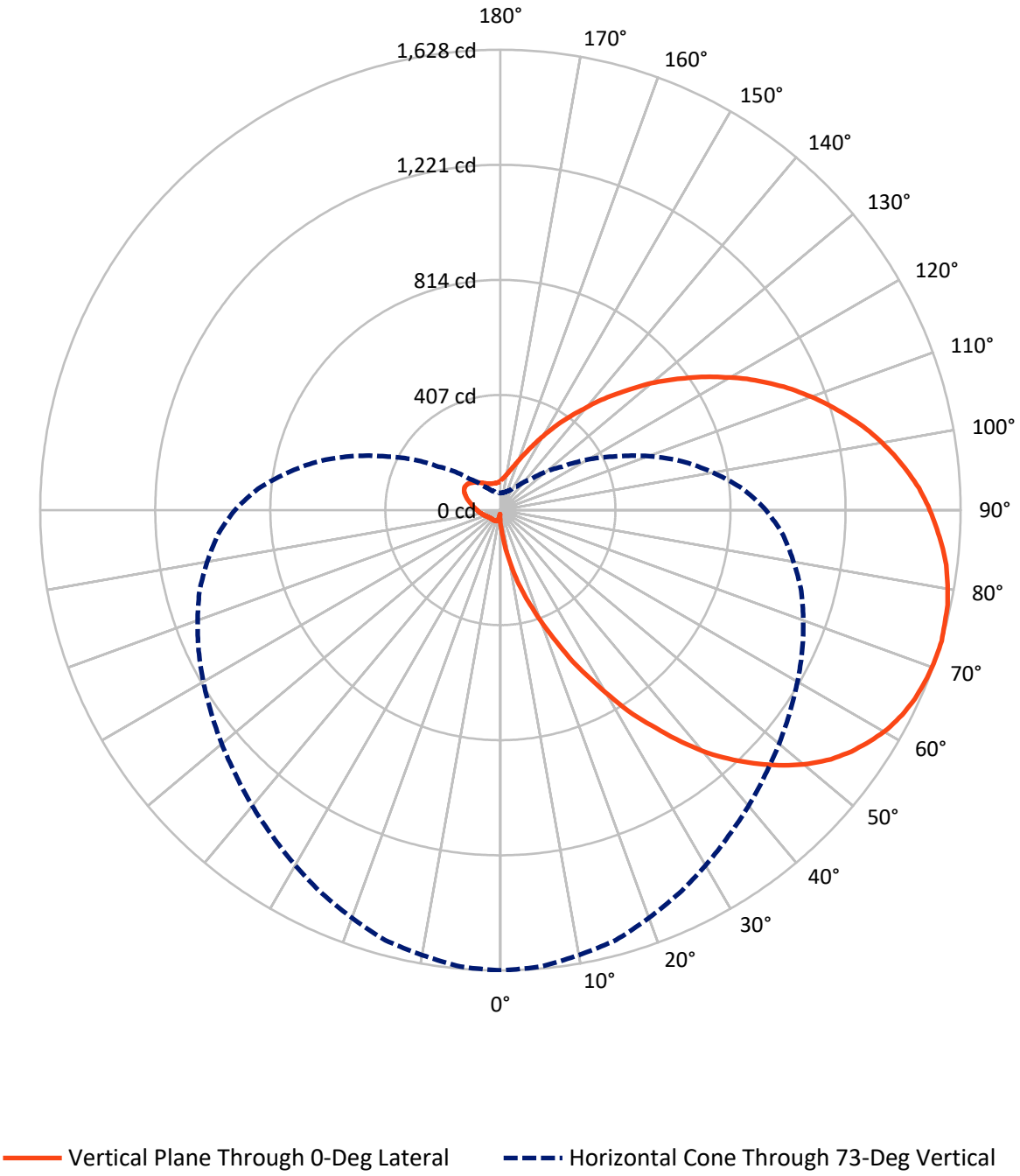
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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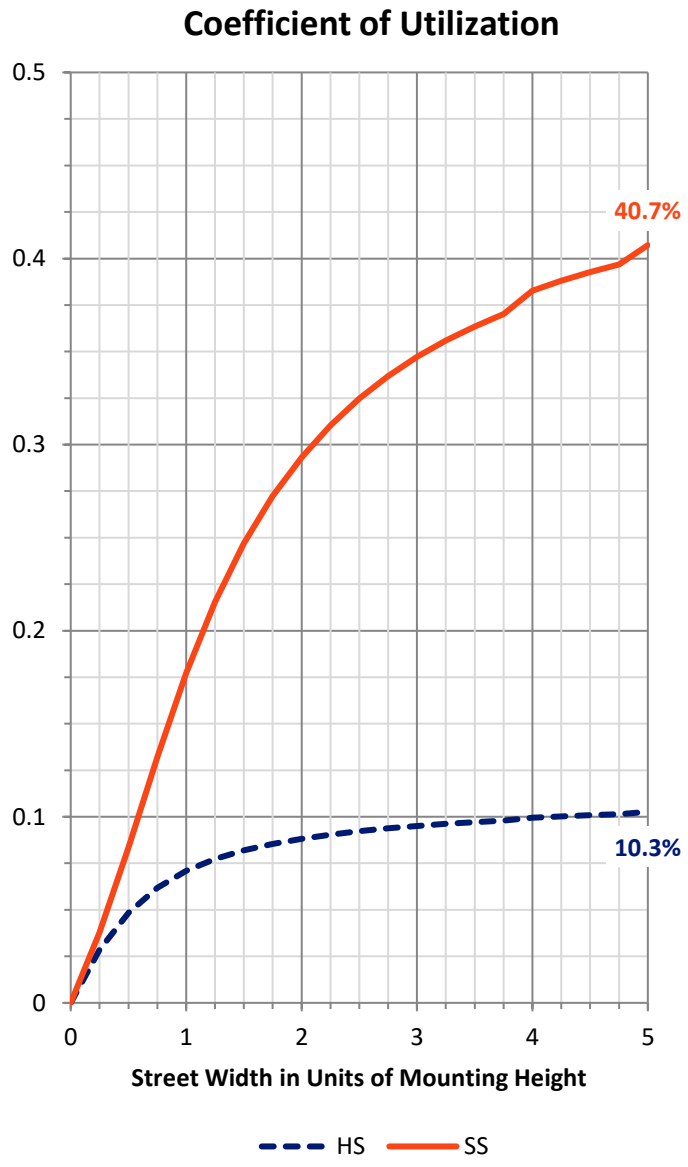
REPORT NUMBER: P1224054
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	820.5	806.3	1626.8
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3459.4	2321.6	5781.0
	% Fixture	46.7	31.3	78.0
Total	Lumens	4279.9	3127.8	7407.8
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	52.5	0.7
20°-30°	158.6	2.1
30°-40°	330.3	4.5
40°-50°	523.6	7.1
50°-60°	687.7	9.3
60°-70°	801.3	10.8
70°-80°	858.9	11.6
80°-90°	859.5	11.6
90°-100°	806.0	10.9
100°-110°	709.0	9.6
110°-120°	585.5	7.9
120°-130°	440.7	5.9
130°-140°	290.8	3.9
140°-150°	166.8	2.3
150°-160°	82.7	1.1
160°-170°	36.1	0.5
170°-180°	10.1	0.1
0°-90°	4279.9	57.8
0°-180°	7407.8	100.0



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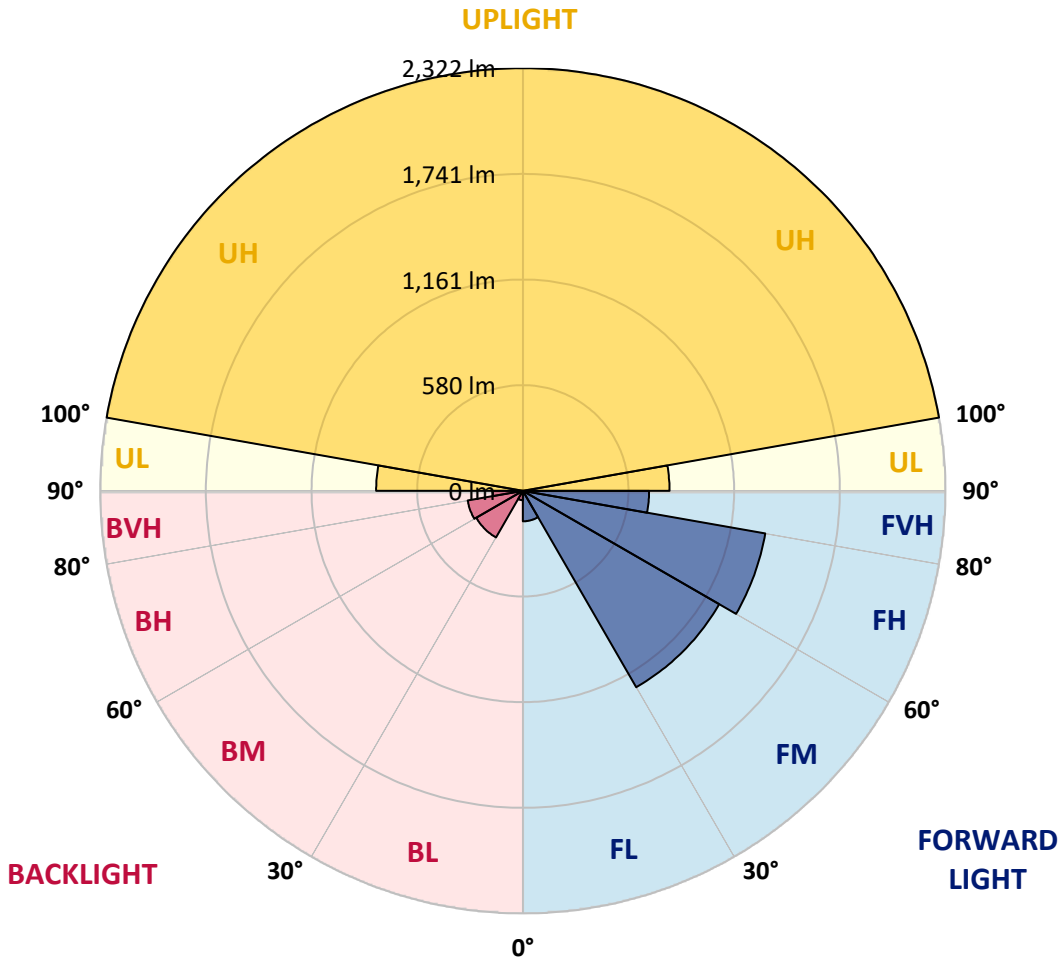
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	167.5	2.3			
FM	(30°-60°)	1246.0	16.8			
FH	(60°-80°)	1352.4	18.3			G1/1800
FVH	(80°-90°)	693.6	9.4			G4/750
BL	(0°-30°)	51.2	0.7	B0/110		
BM	(30°-60°)	295.6	4.0	B1/1000		
BH	(60°-80°)	307.7	4.2	B1/500		G1/500
BVH	(80°-90°)	165.9	2.2			G2/225
UL	(90°-100°)	806.0	10.9		U4/1000	
UH	(100°-180°)	2321.8	31.3		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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.5°	66.8	67.3	66.8	67.8	65.3	65.3	63.3	61.3	58.7	55.7	53.7
5°	99.2	98.7	98.7	99.2	97.7	93.2	88.1	81.0	74.9	68.3	64.8
7.5°	142.8	140.8	138.7	138.2	133.2	126.6	119.5	111.4	102.8	93.7	87.1
10°	188.3	189.9	187.8	182.3	176.2	168.6	159.5	148.3	137.2	124.5	117.0
12.5°	247.1	243.0	238.0	232.4	226.3	219.2	204.5	191.9	176.2	160.5	150.4
15°	304.3	300.7	300.7	293.7	284.0	273.4	259.7	244.0	222.3	197.5	188.3
17.5°	363.0	363.5	358.5	350.4	341.7	328.1	313.4	291.1	268.8	243.0	227.3
20°	431.9	429.8	426.3	420.2	405.0	392.9	374.7	349.8	319.5	288.1	268.8
22.5°	503.3	504.3	504.3	494.7	480.5	463.8	443.0	414.7	378.7	338.2	314.9
25°	592.4	591.9	582.2	571.1	560.0	542.7	516.4	482.0	442.5	393.9	366.6
27.5°	673.4	672.9	670.8	660.7	644.0	621.7	590.8	553.4	508.3	450.1	417.7
30°	763.5	765.5	759.9	751.3	729.6	706.8	670.8	626.8	573.6	510.9	474.4
32.5°	861.2	857.2	852.6	841.5	817.7	785.8	745.3	699.7	641.5	569.6	529.6
35°	945.8	953.4	946.3	929.1	899.7	865.8	821.2	770.1	706.8	629.8	584.3
37.5°	1040.9	1039.4	1028.8	1012.1	983.7	940.7	893.6	834.4	763.5	683.5	632.9
40°	1129.5	1123.5	1117.4	1092.6	1056.6	1013.6	955.4	895.1	822.2	732.1	681.0
42.5°	1208.0	1207.5	1191.3	1166.5	1121.4	1073.9	1013.6	946.3	870.3	777.2	719.4
45°	1280.4	1278.9	1263.2	1226.2	1183.7	1126.5	1063.7	993.9	913.9	815.6	760.5
47.5°	1348.8	1344.7	1322.9	1285.5	1231.8	1171.6	1106.8	1033.3	950.8	850.1	792.4
50°	1411.0	1407.5	1382.2	1334.6	1277.4	1213.1	1142.2	1066.3	985.8	884.5	822.2
52.5°	1464.2	1458.1	1428.8	1377.6	1312.3	1244.5	1170.6	1094.6	1013.1	908.8	848.6
55°	1506.7	1500.2	1468.8	1411.6	1343.2	1269.8	1194.9	1119.4	1034.4	930.6	868.8
57.5°	1542.2	1537.1	1502.7	1439.9	1367.0	1291.6	1215.6	1138.7	1054.1	950.8	886.5
60°	1573.1	1567.0	1528.0	1463.2	1386.2	1308.3	1230.8	1153.8	1070.8	966.5	902.7
62.5°	1594.8	1590.3	1549.3	1479.9	1399.9	1320.9	1240.9	1166.5	1083.5	980.7	914.9
65°	1610.5	1605.0	1563.4	1490.0	1408.5	1327.0	1248.5	1172.1	1091.6	989.3	924.0
67.5°	1619.6	1615.6	1572.0	1497.1	1412.1	1330.0	1252.1	1177.6	1098.2	996.4	931.1
70°	1625.7	1619.6	1575.6	1498.6	1411.0	1329.5	1252.1	1178.1	1101.7	1001.5	935.1
72.5°	1627.2	1620.7	1575.1	1496.1	1408.0	1324.5	1249.5	1178.7	1102.7	1004.0	939.2
73°	1627.7	1620.7	1574.6	1495.1	1406.5	1324.0	1249.0	1177.6	1101.7	1003.5	939.2
75°	1622.2	1617.6	1570.5	1489.0	1401.4	1318.9	1245.5	1175.1	1101.7	1004.0	938.7
77.5°	1616.6	1609.5	1560.4	1480.4	1389.8	1309.8	1237.9	1170.0	1098.2	1003.0	938.2
80°	1603.4	1596.3	1547.2	1464.2	1375.1	1296.6	1227.3	1161.9	1091.6	997.4	934.1
82.5°	1588.2	1580.1	1529.0	1445.5	1357.4	1279.9	1213.6	1151.3	1083.0	990.8	928.0
85°	1566.0	1559.9	1507.7	1422.7	1337.1	1262.7	1197.9	1138.7	1071.8	980.7	918.9
87.5°	1540.1	1535.1	1480.9	1396.9	1311.3	1240.4	1179.7	1121.9	1059.2	969.6	908.8
90°	1513.3	1507.2	1453.1	1367.5	1286.0	1216.1	1158.4	1104.2	1043.5	955.9	895.6
92.5°	1482.4	1475.3	1420.7	1337.6	1258.1	1191.3	1137.6	1084.5	1025.8	940.2	882.0
95°	1445.0	1438.4	1384.2	1301.2	1223.2	1162.5	1110.3	1061.2	1005.0	921.5	865.3
97.5°	1405.0	1398.9	1344.2	1264.7	1189.3	1129.5	1080.9	1036.4	982.7	903.2	846.5
100°	1361.9	1353.8	1299.7	1223.2	1148.8	1094.6	1051.1	1011.1	958.4	880.4	826.3
102.5°	1316.4	1308.8	1257.1	1182.2	1112.3	1059.7	1020.2	981.2	933.1	859.7	806.5
105°	1264.7	1260.7	1208.5	1136.1	1070.8	1022.2	985.3	951.3	905.8	834.4	785.8
107.5°	1213.6	1205.5	1156.9	1087.5	1026.3	982.2	950.3	918.9	877.4	809.1	763.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1159.4*	1151.3	1107.8	1041.4	984.7	942.7	913.4	885.5	848.0	784.3	740.7
112.5°	*1104.7*	1095.6	1052.6	991.8	936.6	902.2	875.4	852.1	818.2	759.4	716.4
115°	*1045.5*	1042.0	999.9	941.7	893.1	860.7	837.4	816.1	784.3	732.6	693.1
117.5°	*987.3*	980.7	944.2	890.6	845.5	815.1	797.4	778.7	749.8	701.2	666.8
120°	*924.5*	923.0	888.0	837.9	795.9	772.1	754.9	739.2	713.9	669.8	637.4
122.5°	*865.3*	862.2	828.8	783.7	748.8	726.5	712.9	699.2	677.4	636.4	606.0
125°	*802.5*	798.9	772.6	735.6	702.2	681.0	667.8	657.2	637.4	600.5	572.1
127.5°	*744.3*	740.7	716.9	681.5	655.1	635.9	623.8	614.1	594.4	562.5	537.7
130°	*686.5*	680.5	659.7	631.3	605.0	591.9	579.7	572.6	552.4	522.5	500.7
132.5°	*624.8*	621.7	607.0	580.7	559.5	545.8	535.2	526.0	510.3	483.0	463.3
135°	*570.1*	567.1	553.4	531.1	516.4	503.8	494.1	484.5	468.3	442.0	425.3
137.5°	*517.9*	515.4	503.3	488.1	469.3	461.7	455.2	443.5	429.3	405.5	390.4
140°	*463.3*	464.3	454.7	441.0	429.3	420.2	413.6	404.0	389.8	369.6	354.4
142.5°	*418.2*	419.7	408.1	398.5	387.8	380.7	374.2	366.1	352.4	334.2	322.5
145°	*375.7*	372.1	367.6	358.5	348.3	343.8	337.2	330.1	319.5	301.2	291.6
147.5°	*332.6*	331.6	327.1	321.0	312.9	305.8	300.7	296.7	286.1	270.9	262.3
150°	*293.7*	292.6	290.1	285.6	278.5	273.9	269.9	264.3	254.2	242.5	234.9
152.5°	*259.2*	259.2	257.7	251.6	248.6	243.5	238.5	235.4	225.3	215.7	209.1
155°	*229.4*	229.4	227.3	224.3	218.7	215.7	212.6	208.1	201.0	193.4	187.3
157.5°	*203.5*	204.0	201.5	199.0	194.9	192.4	189.4	184.8	180.2	173.2	168.6
160°	*180.7*	181.3	180.2	178.2	174.2	171.6	169.1	165.6	161.5	155.9	151.9
162.5°	*162.5*	162.0	161.0	159.0	156.4	154.9	151.9	149.4	145.8	141.8	138.2
165°	*148.3*	146.8	146.3	144.8	142.3	140.8	138.2	136.2	133.7	129.6	128.1
167.5°	*135.7*	135.7	134.7	133.7	131.6	129.6	127.6	126.1	124.0	121.5	119.5
170°	*125.6*	125.6	124.5	123.5	121.5	120.5	119.0	117.5	115.9	113.9	112.9
172.5°	*117.5*	117.5	117.0	115.4	114.4	112.9	112.4	110.9	109.4	108.3	107.3
175°	*111.4*	111.4	110.4	109.4	108.3	107.3	106.3	105.8	105.3	104.3	103.8
177.5°	*106.8*	106.3	105.8	104.8	103.8	103.3	102.8	102.3	102.3	101.8	101.3
180°	*100.8*	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.5°	51.6	47.1	42.0	37.5	34.9	31.4	29.4	28.4	29.4	27.8
5°	61.3	53.2	45.1	39.0	32.4	27.3	22.8	18.2	15.2	14.7
7.5°	81.5	72.4	61.3	51.1	42.0	33.9	26.8	21.3	17.2	16.7
10°	107.8	94.2	80.0	65.8	52.7	42.0	33.4	27.3	25.3	24.8
12.5°	140.8	121.0	101.3	82.5	66.3	52.1	42.5	35.9	32.9	32.4
15°	175.2	150.4	125.1	100.8	79.0	61.8	49.6	42.5	39.0	38.5
17.5°	212.1	179.7	145.3	117.0	91.1	70.4	55.2	45.6	41.5	40.5
20°	249.6	209.1	169.6	132.6	101.3	75.9	58.2	47.1	42.0	41.0
22.5°	291.6	243.0	193.9	147.8	110.4	81.5	60.8	48.1	42.5	41.5
25°	339.2	277.4	219.2	165.6	120.5	86.6	63.3	49.6	43.0	42.0
27.5°	387.8	315.9	245.0	181.3	129.1	90.1	65.3	50.1	43.5	42.5
30°	436.9	354.4	271.4	196.4	136.7	94.2	66.3	50.6	43.5	43.0
32.5°	488.1	390.4	296.7	210.6	143.3	96.7	67.3	51.1	44.0	43.0
35°	534.1	428.3	320.5	224.3	149.4	98.7	67.8	51.1	44.0	43.0
37.5°	578.2	460.7	342.3	235.4	153.9	100.2	68.3	51.1	44.0	43.0
40°	624.3	495.2	362.0	245.6	157.5	101.3	68.3	51.1	44.0	43.5
42.5°	661.7	524.0	378.7	252.6	160.0	101.3	68.3	51.1	44.6	43.5
45°	695.6	547.8	394.9	259.2	161.5	101.3	67.8	51.6	44.6	44.0
47.5°	725.0	571.6	407.1	263.8	162.0	101.3	67.8	51.6	45.1	44.6
50°	752.4	590.8	417.7	267.3	162.5	100.8	67.8	52.1	45.6	44.6
52.5°	775.6	606.5	426.3	269.3	161.5	99.7	67.8	52.7	46.6	45.6
55°	795.4	621.2	432.4	270.4	160.5	99.2	67.8	53.2	47.1	46.6
57.5°	811.6	632.9	437.9	270.9	159.5	98.7	68.3	54.2	48.6	48.1
60°	826.3	642.5	442.0	270.9	158.5	98.2	68.9	55.2	49.6	49.1
62.5°	837.9	650.1	445.0	270.4	158.0	98.2	69.9	56.7	51.1	50.6
65°	846.0	655.7	446.6	269.3	157.0	98.7	70.9	58.2	53.2	52.7
67.5°	853.6	660.7	447.6	268.8	156.4	99.2	72.4	60.2	55.2	54.7
70°	858.2	663.8	448.1	268.3	155.9	100.2	73.9	62.3	57.7	57.2
72.5°	860.2	665.8	448.6	267.3	156.4	101.3	75.9	64.3	60.2	59.7
73°	*860.7*	*665.8*	*448.1*	*267.3*	*156.4*	*101.8*	*76.5*	*65.3*	*60.8*	*60.2*
75°	861.7	665.8	447.6	266.8	157.0	102.8	78.0	67.3	62.8	62.8
77.5°	860.2	664.8	446.6	266.3	157.5	104.8	80.5	69.9	65.8	65.3
80°	857.2	662.2	445.0	266.3	158.5	106.8	83.5	72.9	68.9	68.3
82.5°	850.6	657.7	443.0	265.8	160.0	109.4	86.6	75.9	72.4	71.9
85°	844.0	652.1	440.0	265.8	162.0	112.4	89.6	79.5	75.9	75.4
87.5°	833.9	645.5	436.9	265.3	164.0	114.9	92.7	83.0	79.0	79.0
90°	822.2	638.4	433.9	265.8	166.1	118.5	96.7	87.1	83.0	82.5
92.5°	810.6	630.3	430.4	266.8	169.6	122.0	100.8	91.1	87.1	86.1
95°	794.9	619.2	426.3	267.3	172.6	126.1	104.8	95.2	91.1	91.1
97.5°	778.7	609.1	421.7	268.8	176.7	131.1	110.4	100.2	96.2	96.2
100°	761.5	598.4	418.7	270.4	180.7	136.7	115.4	105.3	101.3	101.3
102.5°	743.2	586.8	415.7	273.4	186.8	142.3	121.5	111.4	106.8	106.8
105°	724.5	575.7	412.6	276.9	192.9	149.4	128.1	118.0	113.4	113.4
107.5°	706.3	565.0	410.1	281.5	199.5	156.4	134.7	124.5	120.0	119.0

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

Scaled Data Report

REPORT NUMBER: P1224054
CATALOG NUMBER: FFX-CLB-50-750-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	687.0	553.9	408.1	286.1	207.1	164.5	142.8	131.1	126.1	126.1
112.5°	666.3	542.2	406.6	290.6	215.2	172.6	149.9	138.2	133.2	132.1
115°	644.5	530.6	403.5	295.7	222.3	180.7	157.5	144.3	138.7	138.2
117.5°	623.2	516.9	400.0	299.2	228.8	187.3	163.5	150.4	144.3	143.8
120°	598.4	501.7	393.9	300.2	233.9	192.4	168.6	154.4	148.3	147.3
122.5°	571.1	482.0	385.3	299.2	236.4	195.9	171.6	157.5	150.4	149.9
125°	540.2	460.2	374.2	295.7	236.9	197.5	172.6	158.0	151.4	150.4
127.5°	507.8	438.5	359.5	288.6	233.9	196.4	171.6	157.0	149.9	149.4
130°	474.4	412.6	342.3	279.5	228.8	192.9	169.1	154.4	147.3	146.8
132.5°	441.0	385.3	323.5	267.3	221.8	187.3	164.5	150.4	143.8	142.8
135°	405.0	358.5	304.3	254.7	212.1	181.3	159.0	145.3	138.7	138.2
137.5°	372.1	330.6	284.5	240.5	203.0	173.2	152.9	140.2	134.7	133.7
140°	339.7	303.8	263.3	225.3	191.4	165.1	145.8	134.7	129.1	128.6
142.5°	309.9	279.0	244.5	210.6	180.7	157.0	139.7	129.1	124.5	123.5
145°	279.0	253.1	224.8	195.4	169.1	148.3	133.2	123.5	119.5	118.5
147.5°	252.1	229.4	205.0	180.2	158.5	139.7	126.6	118.5	114.9	114.4
150°	226.8	207.6	186.3	166.1	146.8	131.6	120.5	113.4	110.4	109.9
152.5°	204.0	187.3	170.1	152.9	136.7	124.5	114.9	108.9	106.3	106.3
155°	182.8	169.1	155.4	141.3	128.6	118.5	110.9	105.8	103.8	103.3
157.5°	164.5	153.9	142.8	131.1	121.5	112.9	106.8	103.3	101.3	101.3
160°	148.9	140.8	131.6	123.0	115.4	108.3	103.8	100.8	99.2	99.2
162.5°	136.2	129.6	122.5	115.9	109.4	104.8	101.3	99.2	98.2	98.2
165°	125.6	121.0	115.9	110.4	105.8	102.3	99.7	98.2	97.7	97.7
167.5°	118.0	113.9	109.9	106.3	103.3	100.2	98.7	97.7	97.7	97.2
170°	111.4	108.9	105.3	102.8	100.2	98.7	97.7	97.2	97.2	96.7
172.5°	106.3	104.3	102.3	100.2	98.7	97.7	97.2	97.2	97.2	97.2
175°	103.3	101.8	100.2	99.2	98.2	97.2	97.2	97.7	97.7	97.7
177.5°	100.8	100.2	99.2	98.7	98.2	98.2	98.2	98.7	99.2	99.2
180°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8

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

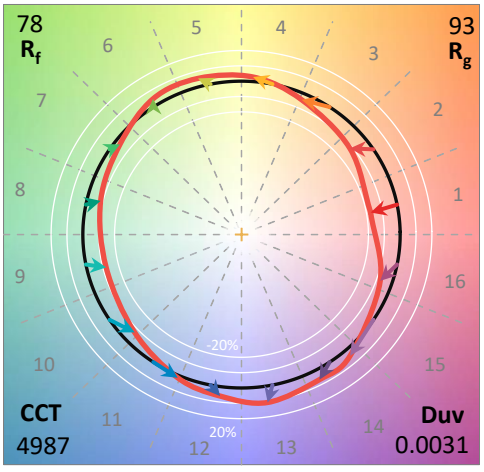
Test Information

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

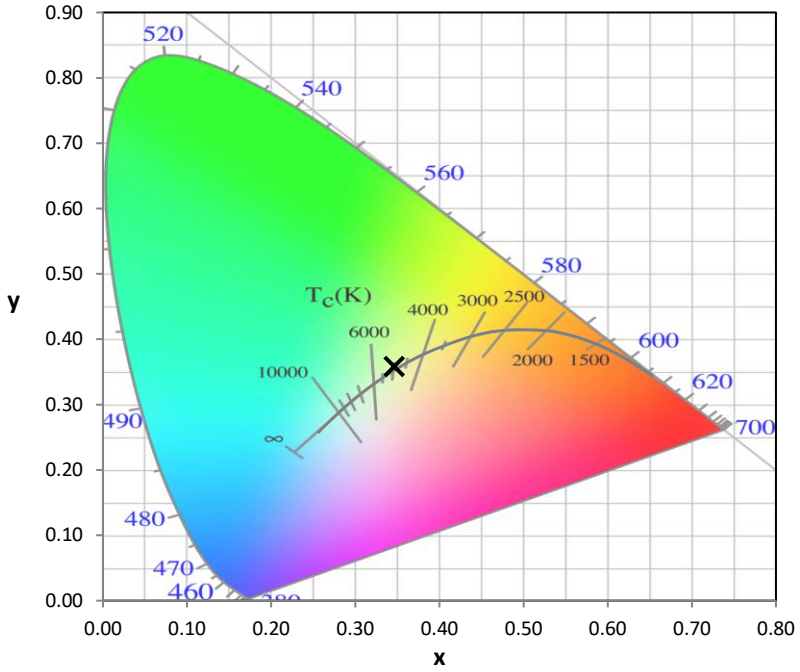
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

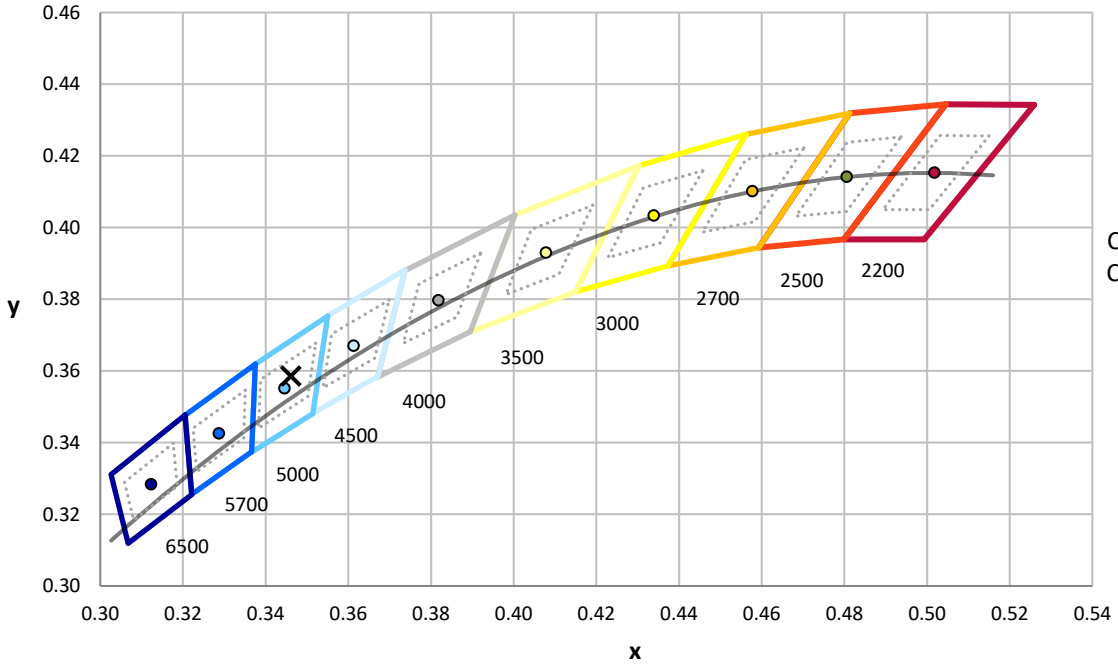
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

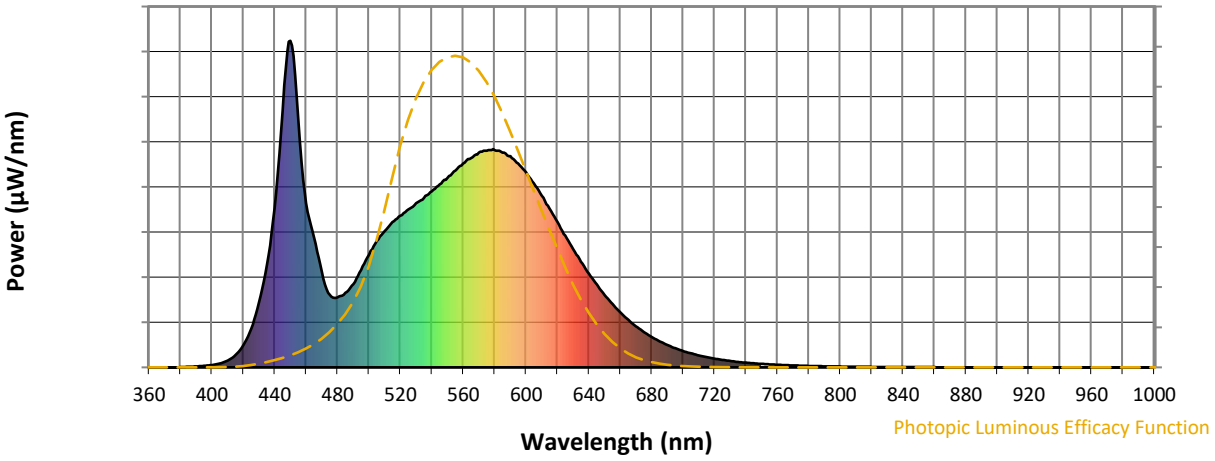


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

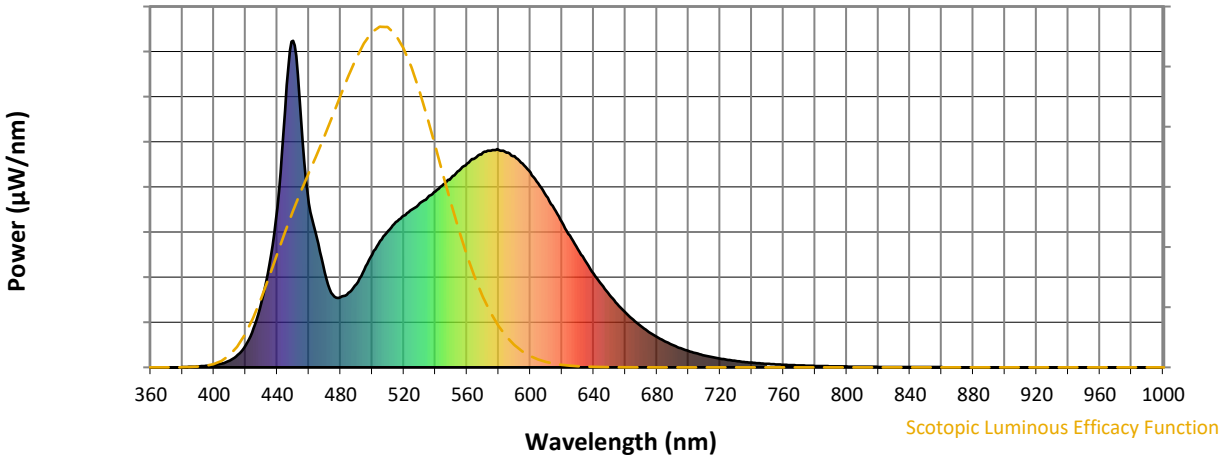


Photopic Lumens: NR

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

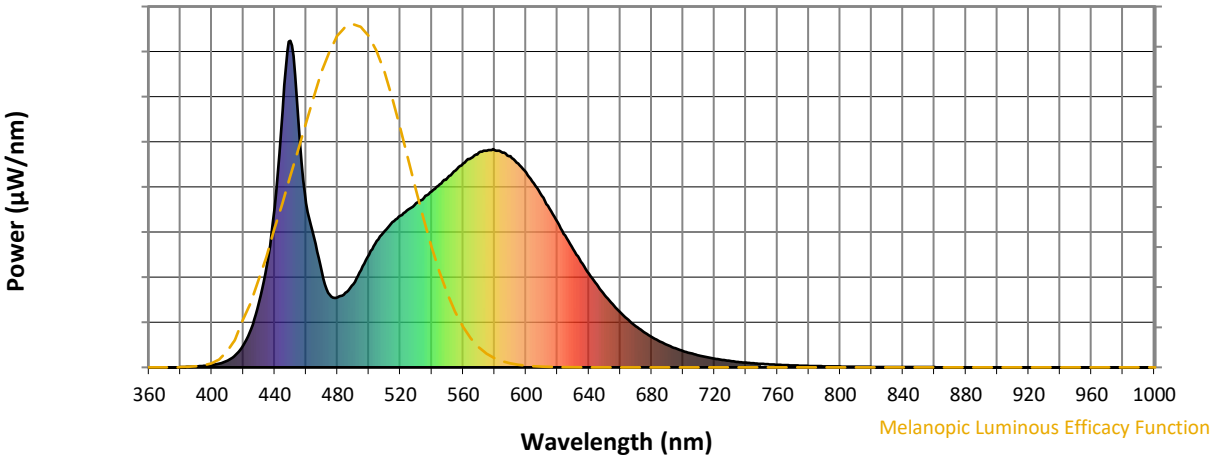


Scotopic Lumens: NR **S/P: 1.87**

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			

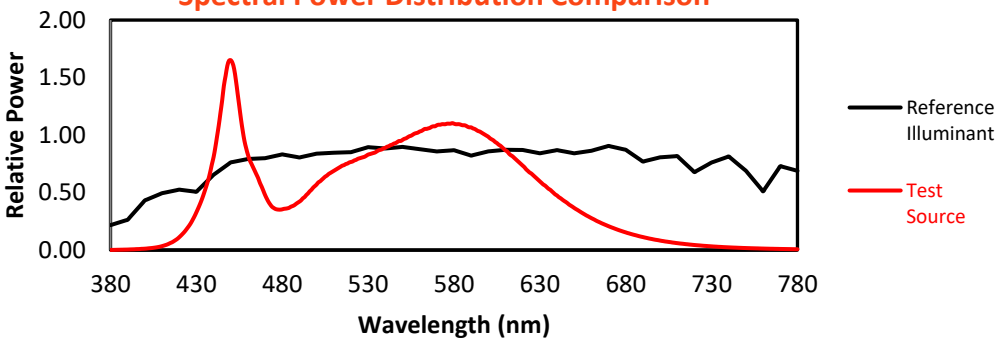
REPORT NUMBER: SP1-2501-332-5

TM-30-18

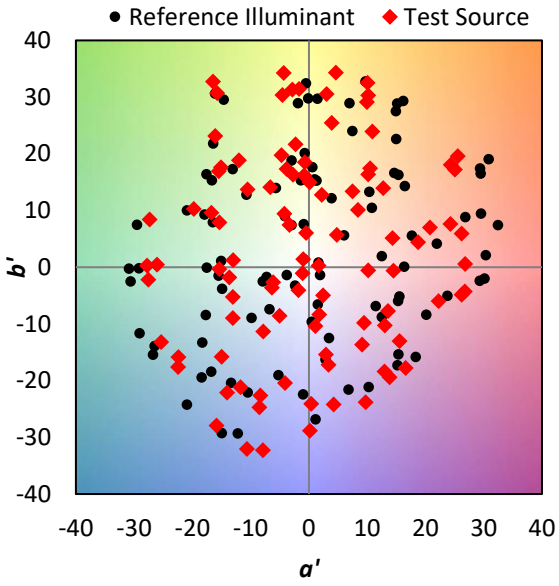
Summary

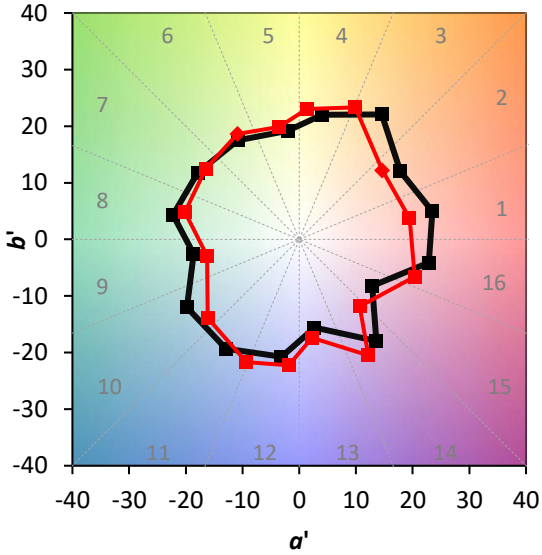
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

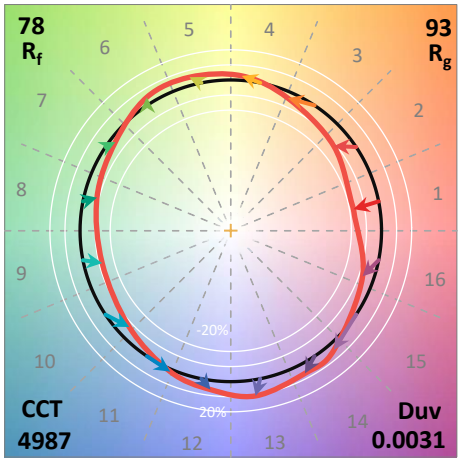
Spectral Power Distribution Comparison

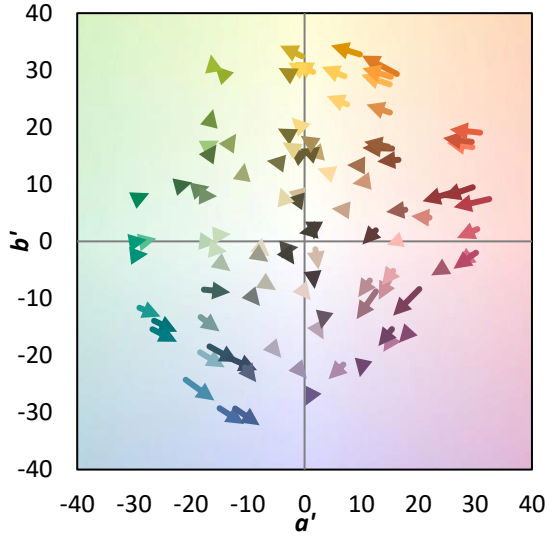


Color Vector Graphics







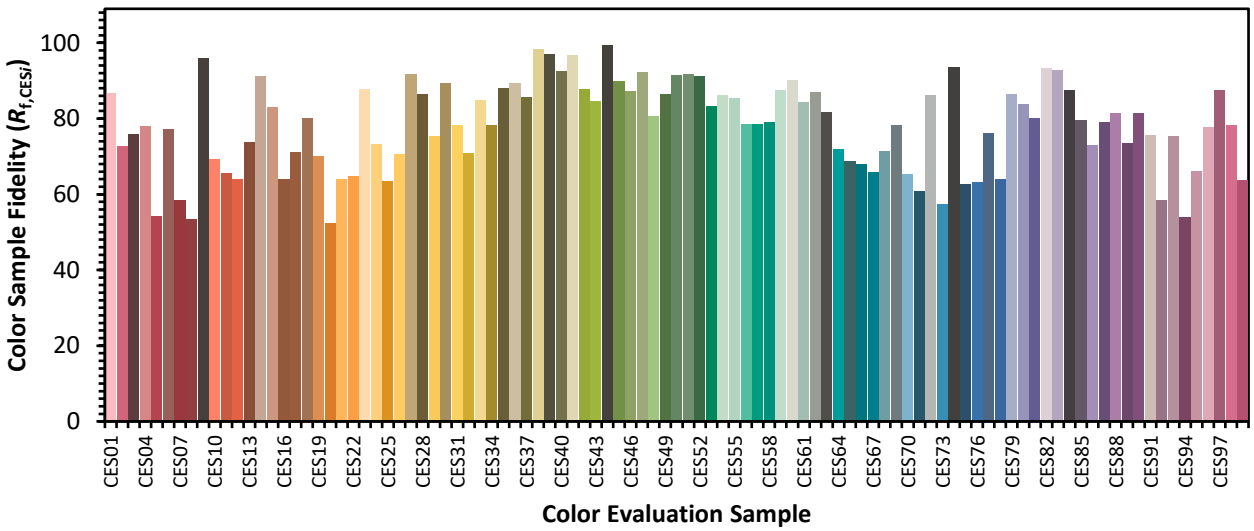


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

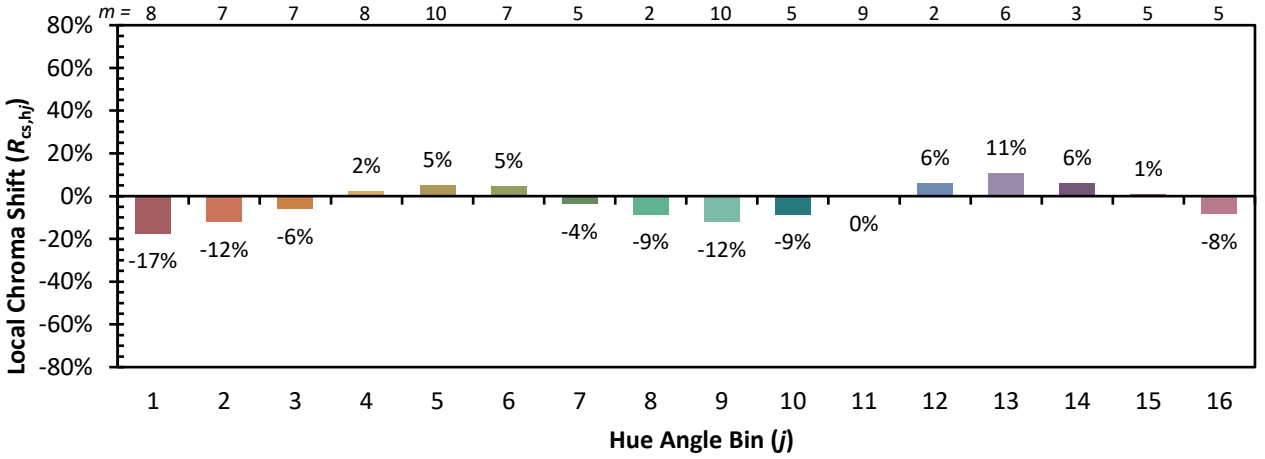
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 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
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

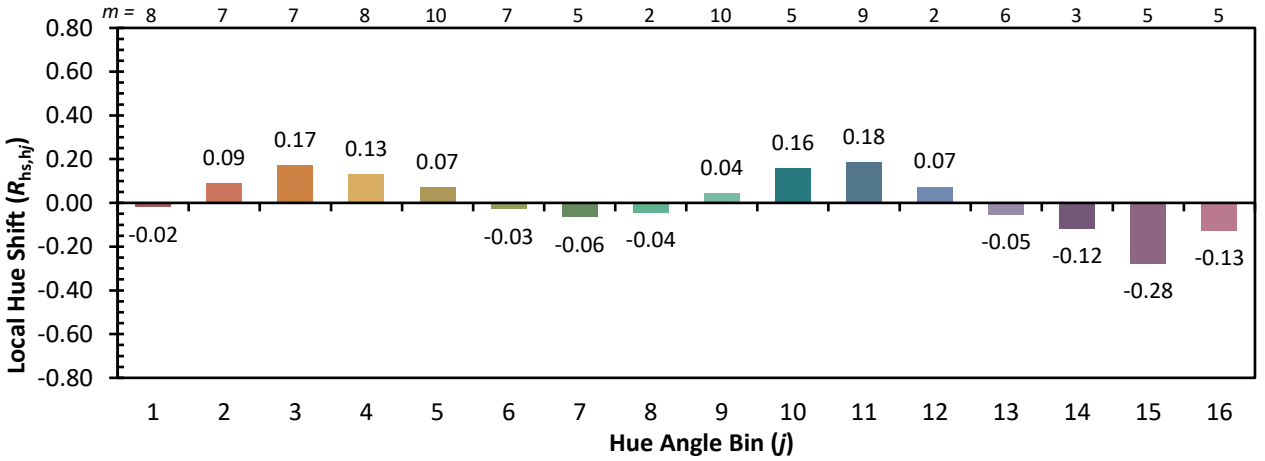


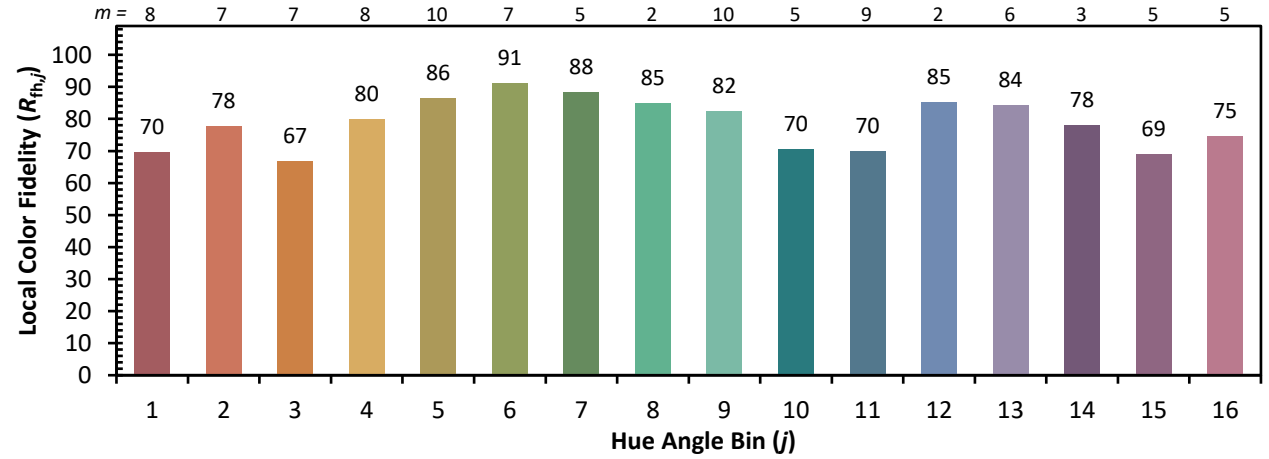
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



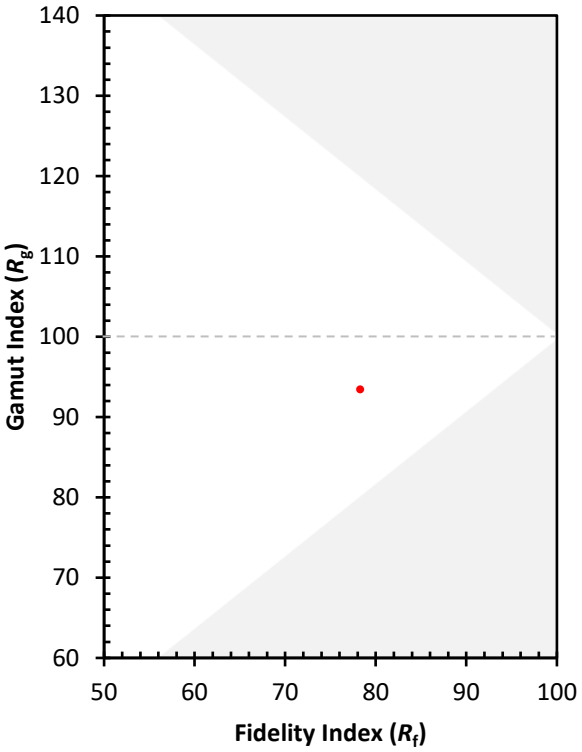


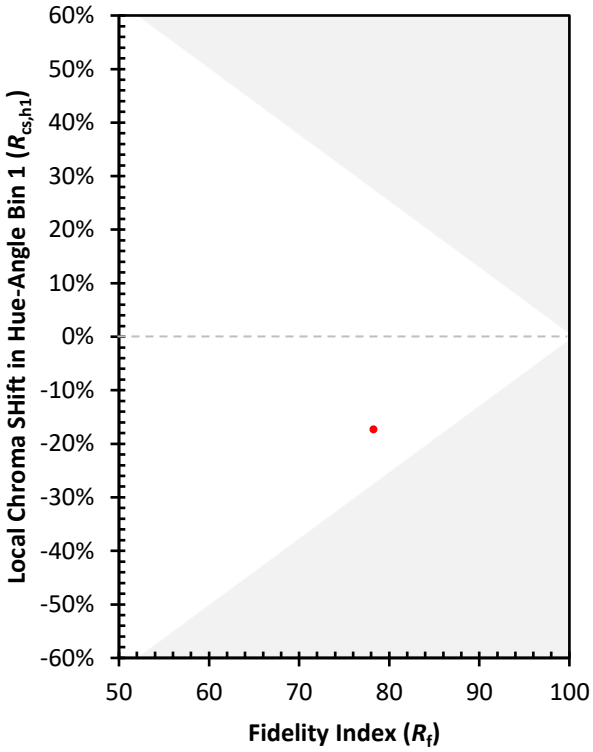


REPORT NUMBER: SP1-2501-332-5

TM-30-18

Measure Comparisons





(END OF REPORT)