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: P1045833

Luminaire Tested: **FFX-CLB-80-727-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045833
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8136.7 lumens
Efficiency:	N/A
Efficacy:	99.5 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):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

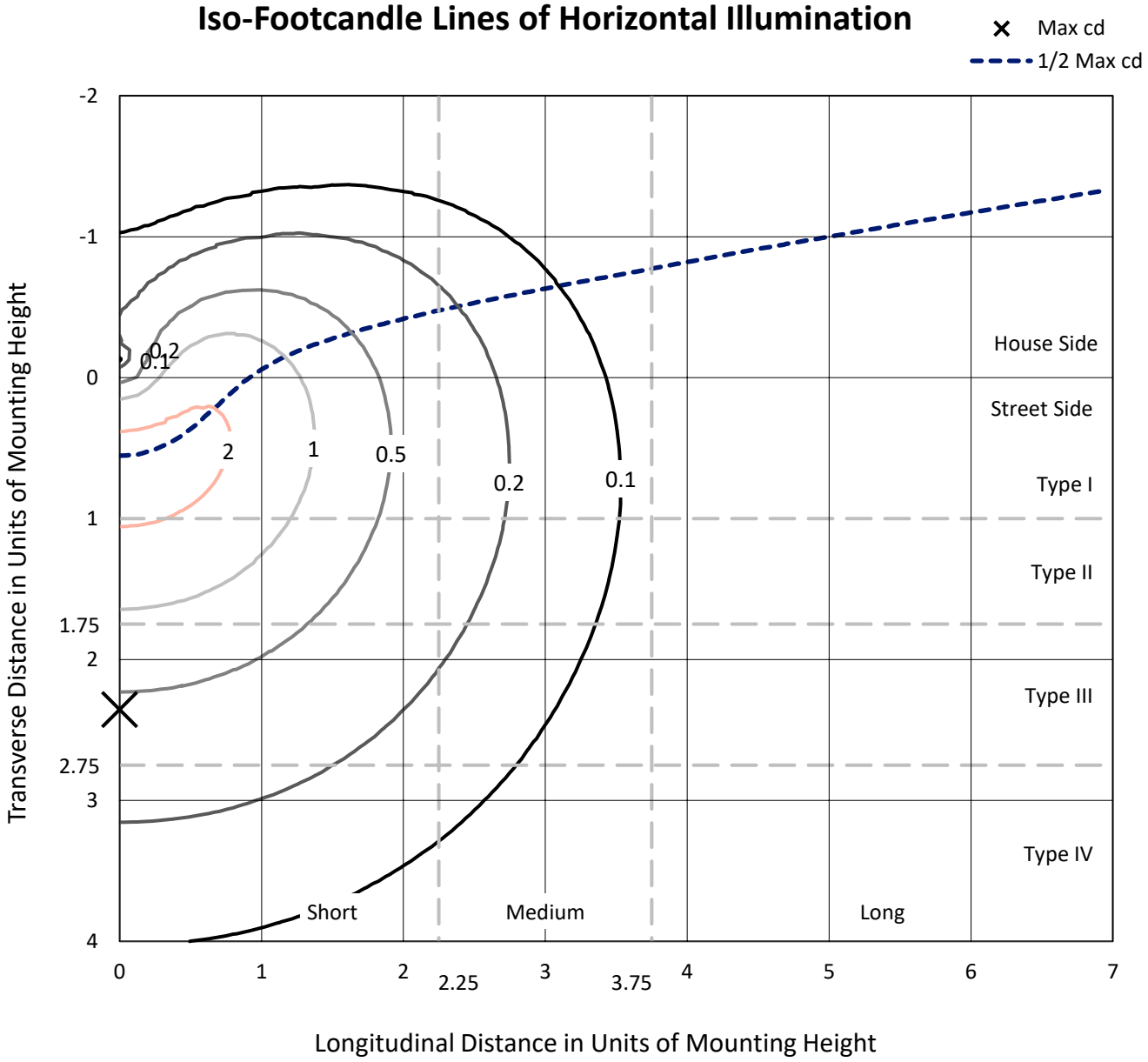


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Iso-Footcandle Lines of Horizontal Illumination



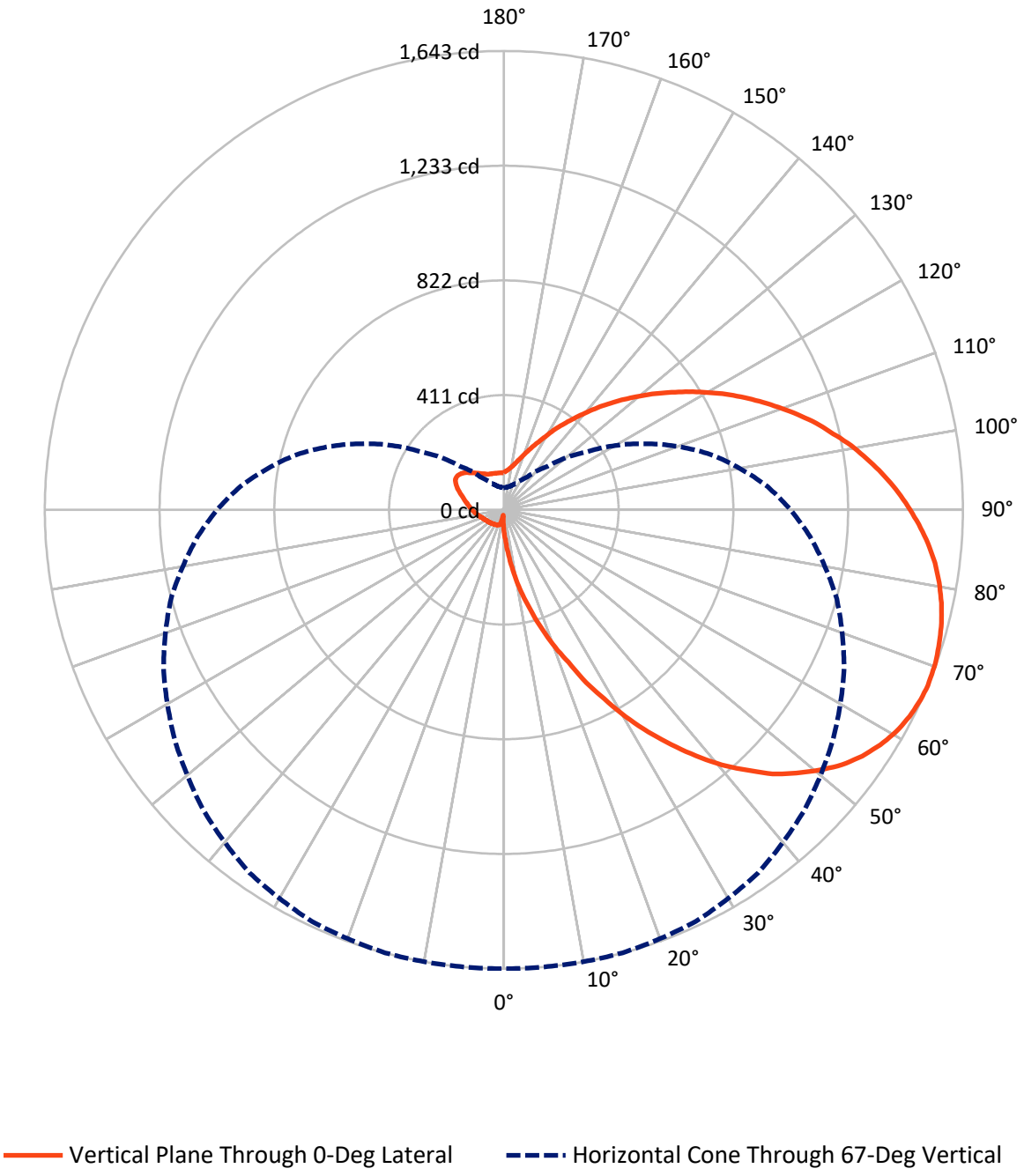
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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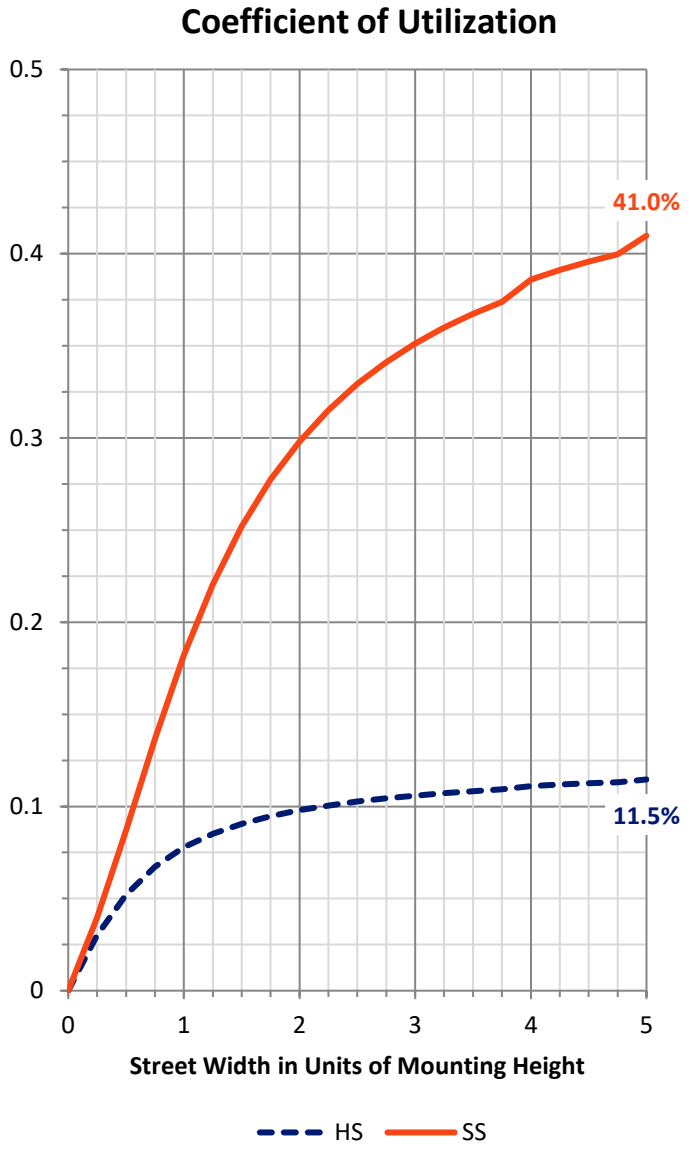
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1007.6	959.9	1967.5
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	3799.3	2369.9	6169.1
	% Fixture	46.7	29.1	75.8
Total	Lumens	4806.8	3329.8	8136.7
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.1
10°-20°	67.6	0.8
20°-30°	188.8	2.3
30°-40°	377.8	4.6
40°-50°	593.6	7.3
50°-60°	780.6	9.6
60°-70°	901.3	11.1
70°-80°	951.1	11.7
80°-90°	935.4	11.5
90°-100°	858.5	10.6
100°-110°	742.5	9.1
110°-120°	609.4	7.5
120°-130°	464.7	5.7
130°-140°	313.0	3.8
140°-150°	185.5	2.3
150°-160°	97.5	1.2
160°-170°	45.4	0.6
170°-180°	13.2	0.2
0°-90°	4806.8	59.1
0°-180°	8136.7	100.0



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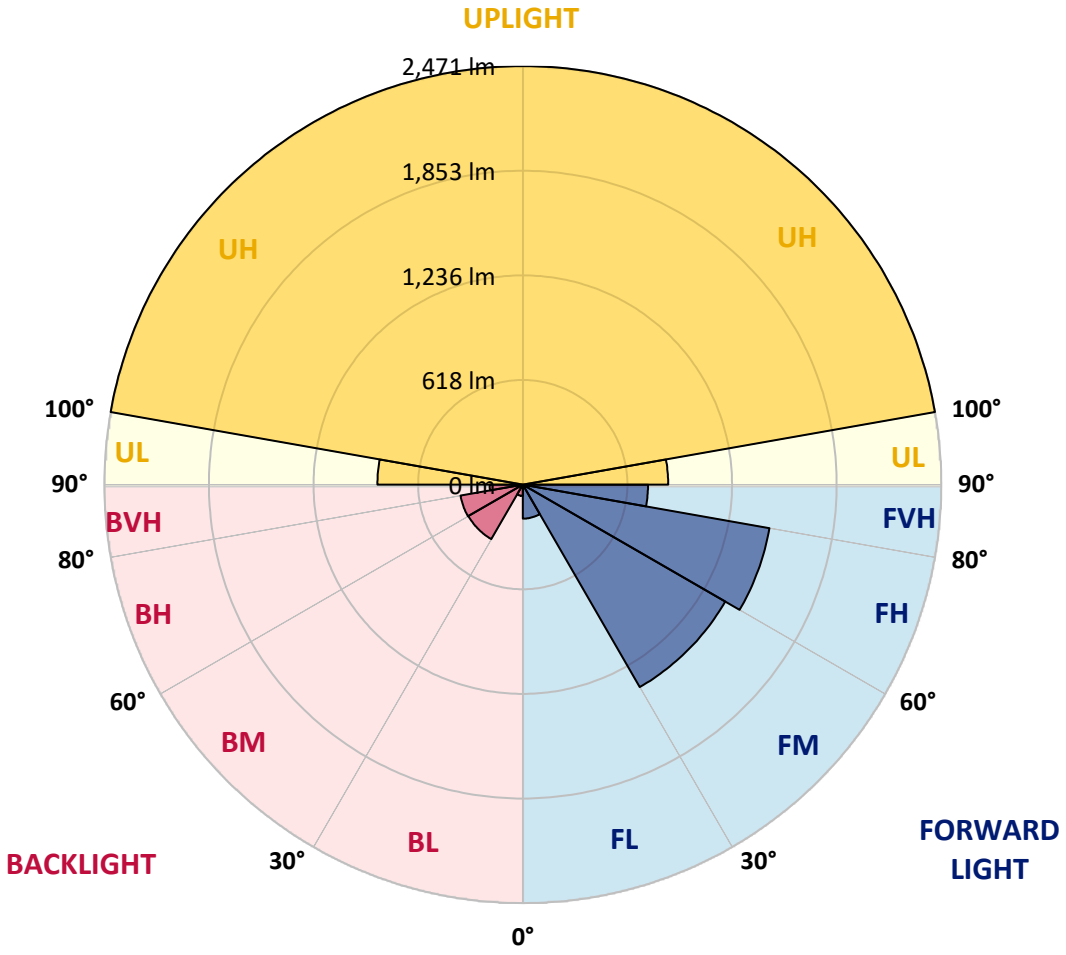
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	200.8	2.5			
FM	(30°-60°)	1380.4	17.0			
FH	(60°-80°)	1478.8	18.2			G1/1800
FVH	(80°-90°)	739.2	9.1			G4/750
BL	(0°-30°)	66.4	0.8	B0/110		
BM	(30°-60°)	371.5	4.6	B1/1000		
BH	(60°-80°)	373.5	4.6	B1/500		G1/500
BVH	(80°-90°)	196.2	2.4			G2/225
UL	(90°-100°)	858.5	10.6		U4/1000	
UH	(100°-180°)	2471.3	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°	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2.5°	105.0	106.8	106.8	105.9	105.0	103.3	101.5	97.9	90.8	85.5	80.1
5°	152.2	152.2	153.1	152.2	148.7	145.1	137.1	130.9	119.3	110.4	100.6
7.5°	206.5	209.2	208.3	205.6	199.4	191.4	181.6	170.0	158.5	145.1	130.0
10°	267.1	266.2	266.2	262.6	255.5	244.8	234.1	220.8	203.9	186.9	167.4
12.5°	324.0	326.7	324.9	320.5	311.6	303.6	290.2	275.1	255.5	237.7	211.0
15°	385.5	387.2	387.2	384.6	376.6	365.0	349.9	335.6	309.8	284.9	259.1
17.5°	455.8	453.1	449.6	449.6	439.8	430.0	414.8	395.3	366.8	339.2	304.5
20°	526.1	525.2	520.8	518.1	511.9	497.6	478.1	455.8	427.3	396.2	355.2
22.5°	592.0	600.9	600.0	595.6	587.5	573.3	551.9	525.2	495.9	456.7	409.5
25°	685.5	680.1	681.0	676.6	669.4	652.5	631.2	600.0	564.4	520.8	467.4
27.5°	766.5	764.7	764.7	762.0	752.2	734.4	709.5	680.1	639.2	587.5	527.9
30°	860.0	855.5	853.7	851.1	841.3	821.7	795.9	759.4	714.9	662.3	592.0
32.5°	948.1	944.5	938.3	937.4	930.3	909.8	880.4	843.0	792.3	730.9	653.4
35°	1032.7	1034.4	1031.8	1027.3	1017.5	997.9	969.5	924.1	874.2	803.0	719.3
37.5°	1118.1	1117.2	1119.0	1115.5	1100.3	1081.6	1047.8	999.7	942.7	865.3	777.2
40°	1201.8	1197.4	1196.5	1192.9	1182.2	1163.5	1125.2	1076.3	1012.2	932.1	832.4
42.5°	1273.9	1275.7	1273.9	1270.4	1256.1	1234.7	1194.7	1140.4	1072.7	986.4	884.0
45°	1349.6	1346.9	1346.0	1346.0	1327.3	1305.1	1261.5	1205.4	1129.7	1037.1	928.5
47.5°	1409.2	1412.8	1411.0	1406.6	1394.1	1366.5	1320.2	1258.8	1179.5	1084.3	968.6
50°	1465.3	1469.8	1470.7	1466.2	1451.1	1420.8	1372.7	1304.2	1224.1	1123.5	1003.3
52.5°	1516.9	1516.1	1518.7	1516.1	1501.8	1470.7	1415.5	1346.0	1259.7	1156.4	1030.0
55°	1557.0	1557.0	1558.8	1555.2	1541.9	1507.2	1450.2	1376.3	1288.2	1182.2	1053.1
57.5°	1589.1	1590.8	1589.9	1589.1	1573.9	1537.4	1476.9	1400.3	1311.3	1200.9	1070.1
60°	1614.0	1614.9	1614.9	1613.1	1598.0	1559.7	1498.3	1419.0	1326.4	1216.9	1083.4
62.5°	1630.0	1630.9	1630.9	1629.1	1614.0	1574.8	1512.5	1430.6	1337.1	1226.7	1092.3
65°	1639.8	1640.7	1640.7	1638.9	1623.8	1583.7	1519.6	1436.8	1342.5	1232.1	1097.6
67°	1643.4	1643.4	1643.4	1642.5	1626.4	1587.3	1521.4	1437.7	1344.2	1233.9	1100.3
67.5°	1642.5	1642.5	1643.4	1641.6	1626.4	1586.4	1520.5	1437.7	1343.4	1233.9	1100.3
70°	1639.8	1639.8	1639.8	1638.0	1622.9	1582.8	1516.9	1433.3	1340.7	1232.1	1099.4
72.5°	1630.0	1630.9	1630.9	1629.1	1614.0	1574.8	1508.9	1425.3	1333.6	1226.7	1096.8
75°	1618.4	1618.4	1618.4	1616.7	1601.5	1562.3	1497.4	1414.6	1324.7	1219.6	1091.4
77.5°	1601.5	1601.5	1601.5	1599.7	1584.6	1546.3	1482.2	1401.2	1313.1	1209.8	1085.2
80°	1580.2	1581.0	1580.2	1578.4	1563.2	1525.0	1463.5	1384.3	1297.9	1198.2	1076.3
82.5°	1555.2	1556.1	1555.2	1551.7	1537.4	1500.9	1439.5	1362.0	1280.1	1183.1	1065.6
85°	1523.2	1522.3	1523.2	1517.8	1505.4	1468.9	1412.8	1337.1	1257.9	1165.3	1050.5
87.5°	1486.7	1487.6	1485.8	1483.1	1468.0	1432.4	1379.0	1308.6	1232.1	1143.9	1032.7
90°	1446.6	1446.6	1445.7	1442.2	1426.1	1394.1	1343.4	1275.7	1204.5	1119.9	1014.0
92.5°	1405.7	1404.8	1402.1	1400.3	1386.1	1353.1	1304.2	1243.6	1176.9	1095.9	994.4
95°	1360.3	1360.3	1358.5	1354.9	1338.9	1312.2	1265.0	1208.0	1144.8	1070.1	973.9
97.5°	1312.2	1311.3	1310.4	1305.1	1290.8	1264.1	1225.8	1170.6	1112.8	1042.5	950.8
100°	1265.0	1262.3	1260.6	1255.2	1242.8	1216.9	1180.4	1132.4	1076.3	1012.2	925.8
102.5°	1209.8	1209.8	1208.9	1203.6	1187.6	1166.2	1133.3	1090.5	1042.5	981.0	899.1
105°	1160.9	1156.4	1154.6	1149.3	1136.8	1113.7	1086.1	1048.7	1004.2	947.2	872.4
107.5°	1105.7	1102.1	1101.2	1093.2	1083.4	1062.0	1038.9	1004.2	966.8	916.0	844.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*1049.6*	1047.8	1046.9	1038.9	1026.4	1012.2	988.2	960.6	927.6	881.3	819.0
112.5°	*994.4*	992.6	992.6	986.4	974.8	957.0	940.1	916.0	886.7	846.6	788.7
115°	*940.1*	937.4	936.5	929.4	917.8	904.5	887.6	870.6	845.7	811.9	759.4
117.5°	*885.8*	882.2	883.1	876.9	868.0	854.6	838.6	827.0	805.7	774.5	730.0
120°	*829.7*	830.6	830.6	822.6	814.6	803.9	790.5	778.9	764.7	737.1	696.2
122.5°	*776.3*	778.1	778.1	772.7	762.9	753.1	744.2	733.5	721.1	699.7	663.2
125°	*722.9*	726.4	724.6	720.2	712.2	701.5	695.3	686.4	676.6	658.8	626.7
127.5°	*673.9*	673.9	669.4	670.3	662.3	653.4	648.1	641.9	632.1	615.1	589.3
130°	*623.2*	624.0	624.9	619.6	612.5	605.4	600.0	597.3	589.3	575.1	549.3
132.5°	*576.9*	576.9	575.1	571.5	565.3	560.0	560.0	551.9	545.7	532.4	510.1
135°	*531.5*	530.6	530.6	527.0	522.6	519.9	513.7	510.1	503.9	491.4	474.5
137.5°	*487.0*	488.7	487.0	484.3	479.8	476.3	471.8	470.9	462.0	453.1	434.4
140°	*444.2*	446.9	444.2	443.3	439.8	435.3	432.6	429.1	426.4	414.8	398.8
142.5°	*404.2*	405.9	404.2	403.3	400.6	397.0	395.3	392.6	386.4	379.2	365.9
145°	*369.4*	368.6	368.6	367.7	364.1	361.4	358.8	357.0	353.4	346.3	331.2
147.5°	*335.6*	332.9	334.7	332.9	330.3	328.5	327.6	324.0	320.5	313.4	302.7
150°	*300.9*	302.7	301.8	300.9	298.2	298.2	295.6	292.9	290.2	282.2	275.1
152.5°	*272.4*	272.4	273.3	271.5	270.6	268.0	266.2	265.3	261.7	256.4	248.4
155°	*248.4*	247.5	247.5	247.5	245.7	243.0	242.1	240.4	238.6	232.3	225.2
157.5°	*225.2*	225.2	225.2	224.3	224.3	221.7	220.8	218.1	215.4	211.9	205.6
160°	*205.6*	205.6	204.8	204.8	203.9	203.0	201.2	198.5	196.7	194.1	188.7
162.5°	*189.6*	188.7	188.7	187.8	186.9	185.2	184.3	183.4	180.7	178.0	173.6
165°	*174.5*	174.5	174.5	173.6	172.7	171.8	170.9	169.1	167.4	165.6	162.9
167.5°	*162.9*	162.9	162.9	162.0	162.0	161.1	160.2	158.5	156.7	154.9	153.1
170°	*154.0*	154.0	154.0	153.1	152.2	151.3	150.4	149.6	148.7	146.9	146.0
172.5°	*146.9*	146.9	146.9	146.9	145.1	144.2	143.3	143.3	142.4	141.5	140.7
175°	*140.7*	140.7	140.7	140.7	139.8	138.9	138.0	138.0	137.1	136.2	135.3
177.5°	*137.1*	137.1	137.1	136.2	136.2	135.3	134.4	134.4	133.5	133.5	132.6
180°	*132.6*	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2.5°	76.6	73.0	66.8	61.4	57.0	52.5	49.9	47.2	47.2	48.1	46.3
5°	92.6	86.4	74.8	62.3	51.6	42.7	35.6	29.4	24.0	21.4	21.4
7.5°	122.9	115.7	99.7	83.7	68.5	54.3	42.7	32.9	24.9	20.5	19.6
10°	157.6	149.6	127.3	107.7	89.0	71.2	56.1	42.7	33.8	29.4	28.5
12.5°	197.6	186.9	160.2	135.3	111.3	89.0	70.3	55.2	46.3	41.8	41.0
15°	243.9	227.0	196.7	165.6	134.4	106.8	84.6	67.7	57.9	51.6	51.6
17.5°	285.8	268.0	231.5	191.4	155.8	123.7	97.0	76.6	63.2	57.0	56.1
20°	333.8	309.8	266.2	219.9	176.3	137.1	105.0	81.9	65.9	57.9	57.9
22.5°	382.8	357.9	304.5	248.4	195.8	149.6	113.1	85.5	67.7	58.8	57.9
25°	440.7	406.8	342.7	279.5	218.1	162.9	120.2	89.0	69.4	60.5	58.8
27.5°	496.7	462.0	387.2	310.7	238.6	176.3	126.4	92.6	71.2	61.4	60.5
30°	555.5	512.8	428.2	342.7	259.9	187.8	132.6	95.3	72.1	62.3	60.5
32.5°	614.3	567.1	473.6	373.9	280.4	198.5	138.0	97.0	73.9	63.2	61.4
35°	673.9	623.2	517.2	405.1	299.1	208.3	141.5	98.8	74.8	63.2	62.3
37.5°	725.5	672.1	558.2	433.5	315.1	216.3	145.1	100.6	74.8	64.1	63.2
40°	777.2	719.3	593.8	457.6	329.4	222.6	147.8	101.5	75.7	65.0	64.1
42.5°	823.5	759.4	624.9	478.9	341.0	227.0	148.7	101.5	76.6	65.9	65.0
45°	865.3	800.3	654.3	499.4	350.7	229.7	149.6	102.4	77.4	66.8	65.9
47.5°	903.6	834.1	681.0	516.3	358.8	232.3	149.6	102.4	78.3	68.5	66.8
50°	935.6	862.6	703.3	530.6	364.1	233.2	148.7	102.4	79.2	69.4	68.5
52.5°	960.6	886.7	722.0	540.4	367.7	232.3	147.8	102.4	80.1	70.3	69.4
55°	981.9	906.2	735.3	548.4	368.6	230.6	146.9	102.4	81.0	72.1	71.2
57.5°	997.9	920.5	746.9	554.6	369.4	228.8	145.1	102.4	81.9	73.0	72.1
60°	1010.4	933.0	755.8	558.2	368.6	226.1	144.2	102.4	82.8	74.8	73.9
62.5°	1019.3	940.1	761.1	559.1	365.9	223.4	142.4	102.4	83.7	76.6	75.7
65°	1024.6	945.4	765.6	560.0	363.2	220.8	141.5	103.3	85.5	79.2	78.3
67°	*1026.4*	*948.1*	*766.5*	*560.0*	*361.4*	*219.0*	*141.5*	*104.2*	*87.2*	*80.1*	*79.2*
67.5°	1027.3	948.1	766.5	559.1	360.5	219.0	141.5	104.2	87.2	81.0	80.1
70°	1026.4	948.1	766.5	557.3	357.9	217.2	140.7	105.9	89.9	83.7	82.8
72.5°	1024.6	946.3	764.7	554.6	354.3	215.4	141.5	107.7	92.6	86.4	85.5
75°	1020.2	942.7	761.1	551.0	351.6	213.7	142.4	109.5	95.3	89.9	89.0
77.5°	1015.7	938.3	758.5	547.5	349.0	213.7	143.3	112.2	98.8	93.5	92.6
80°	1007.7	932.1	753.1	543.9	346.3	212.8	145.1	115.7	102.4	97.0	96.1
82.5°	997.9	923.2	746.0	538.6	343.6	212.8	147.8	118.4	105.9	100.6	99.7
85°	984.6	911.6	737.1	531.5	341.0	213.7	149.6	122.0	109.5	105.0	104.2
87.5°	969.5	897.3	726.4	525.2	338.3	213.7	152.2	125.5	113.1	108.6	108.6
90°	951.7	882.2	714.0	518.1	335.6	215.4	155.8	129.1	117.5	113.1	113.1
92.5°	935.6	866.2	704.2	511.0	333.8	217.2	159.4	133.5	122.0	117.5	117.5
95°	914.3	849.3	689.9	504.8	332.9	219.0	162.9	138.0	127.3	122.9	122.0
97.5°	893.8	830.6	677.5	497.6	332.1	222.6	167.4	143.3	131.8	127.3	127.3
100°	871.5	811.9	663.2	491.4	332.1	227.0	173.6	148.7	138.0	133.5	132.6
102.5°	850.2	791.4	649.0	485.2	333.8	231.5	179.8	154.9	144.2	139.8	138.9
105°	826.1	770.0	636.5	479.8	335.6	237.7	186.9	162.9	151.3	146.9	146.0
107.5°	802.1	750.5	622.3	475.4	339.2	245.7	195.8	170.9	159.4	154.0	153.1

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

Scaled Data Report

REPORT NUMBER: P1045833
CATALOG NUMBER: FFX-CLB-80-727-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	776.3	729.1	609.8	471.8	344.5	254.6	205.6	181.6	168.3	162.9	162.0
112.5°	752.2	707.7	596.5	469.1	349.9	265.3	217.2	191.4	178.9	171.8	170.9
115°	725.5	685.5	584.0	466.5	356.1	276.0	229.7	202.1	188.7	181.6	181.6
117.5°	699.7	662.3	569.7	463.8	362.3	287.5	241.3	213.7	198.5	191.4	190.5
120°	669.4	637.4	554.6	458.5	365.9	296.4	251.0	223.4	206.5	199.4	198.5
122.5°	639.2	609.8	535.0	450.5	366.8	301.8	258.2	231.5	213.7	205.6	204.8
125°	604.5	579.5	514.6	438.0	364.1	304.5	262.6	234.1	216.3	207.4	206.5
127.5°	570.6	546.6	490.5	422.9	357.0	301.8	261.7	234.1	216.3	206.5	205.6
130°	534.1	512.8	462.0	404.2	345.4	295.6	258.2	230.6	212.8	203.0	202.1
132.5°	496.7	478.9	434.4	383.7	331.2	285.8	250.2	224.3	206.5	197.6	196.7
135°	460.2	444.2	405.9	360.5	316.0	274.2	241.3	216.3	198.5	190.5	190.5
137.5°	425.5	410.4	376.6	338.3	298.2	260.8	230.6	206.5	191.4	183.4	181.6
140°	389.9	377.5	348.1	314.2	279.5	246.6	219.0	196.7	182.5	175.4	174.5
142.5°	357.0	346.3	321.4	293.8	261.7	233.2	207.4	188.7	175.4	168.3	167.4
145°	325.8	316.0	294.7	269.7	243.9	219.0	195.8	178.9	167.4	162.0	161.1
147.5°	294.7	288.4	270.6	250.2	226.1	203.9	185.2	170.9	160.2	155.8	154.9
150°	268.8	260.8	247.5	228.8	210.1	191.4	175.4	162.9	154.9	150.4	150.4
152.5°	243.0	238.6	225.2	211.0	195.0	179.8	165.6	155.8	149.6	146.0	146.0
155°	223.4	217.2	205.6	194.1	180.7	168.3	158.5	150.4	145.1	142.4	141.5
157.5°	203.0	199.4	190.5	179.8	170.0	160.2	152.2	146.0	141.5	139.8	138.9
160°	186.1	183.4	176.3	168.3	160.2	153.1	146.9	142.4	138.9	137.1	137.1
162.5°	171.8	170.0	163.8	158.5	152.2	146.9	142.4	138.9	137.1	136.2	136.2
165°	161.1	159.4	154.9	150.4	146.9	142.4	139.8	137.1	135.3	135.3	135.3
167.5°	152.2	150.4	147.8	145.1	142.4	138.9	137.1	135.3	135.3	134.4	134.4
170°	145.1	144.2	141.5	139.8	138.0	136.2	135.3	134.4	133.5	133.5	133.5
172.5°	139.8	138.9	137.1	136.2	134.4	133.5	133.5	133.5	133.5	133.5	133.5
175°	135.3	134.4	134.4	133.5	132.6	132.6	131.8	132.6	132.6	132.6	132.6
177.5°	132.6	132.6	131.8	131.8	131.8	131.8	131.8	132.6	132.6	133.5	133.5
180°	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

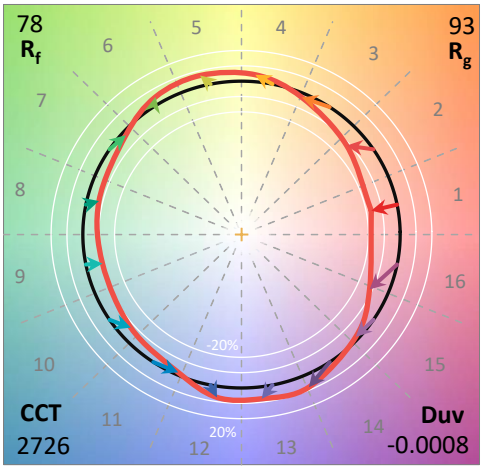
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

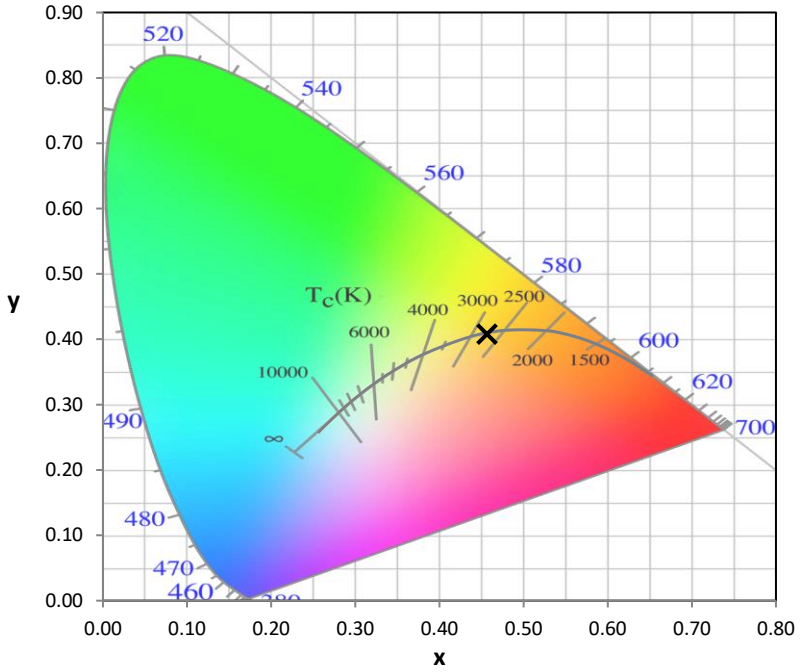
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

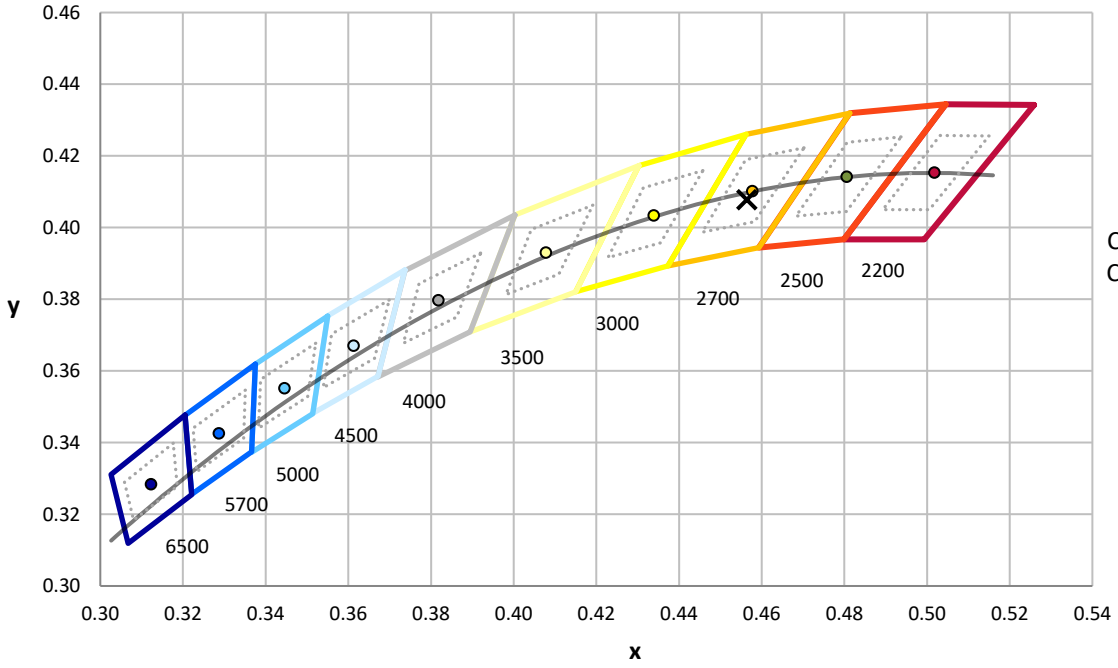
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

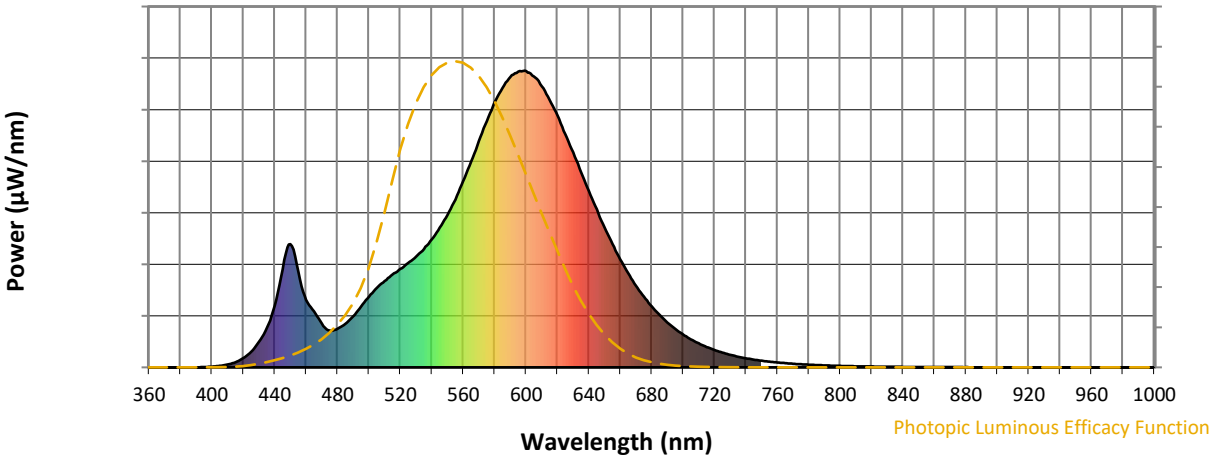


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

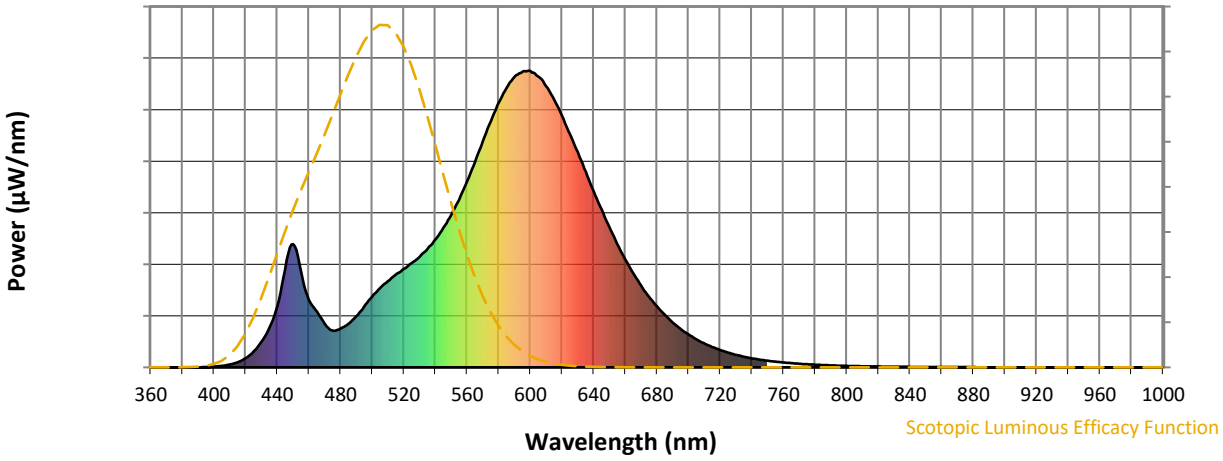


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

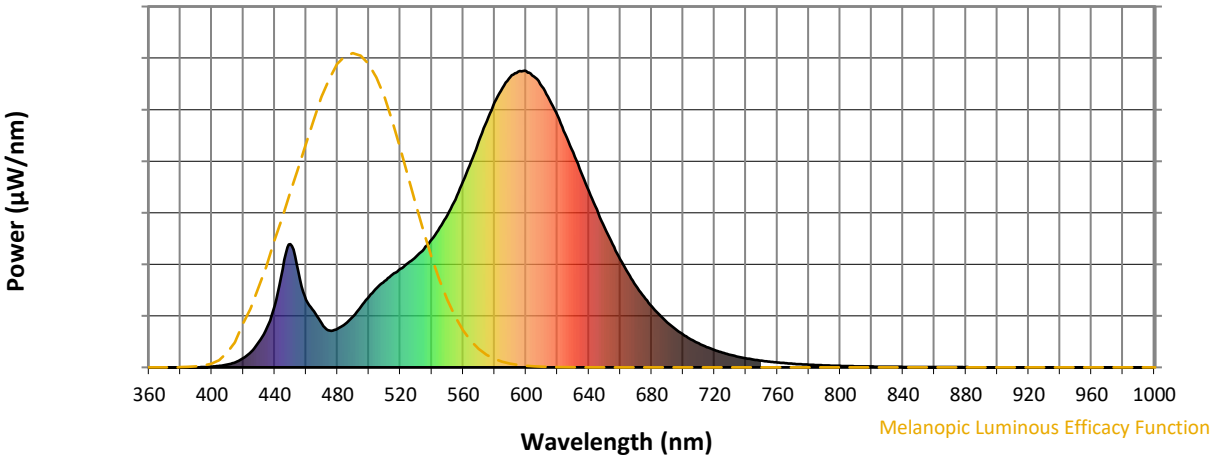


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

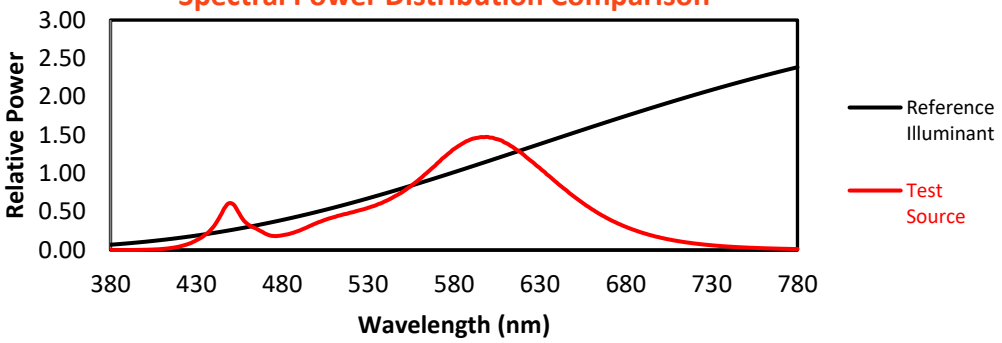
REPORT NUMBER: SP1-2501-332-3

TM-30-18

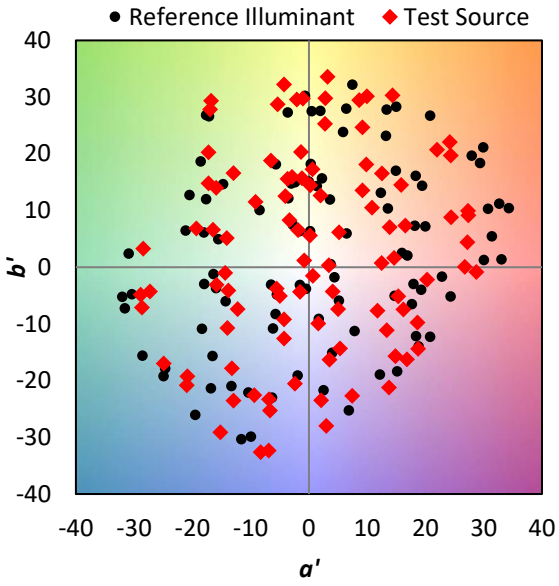
Summary

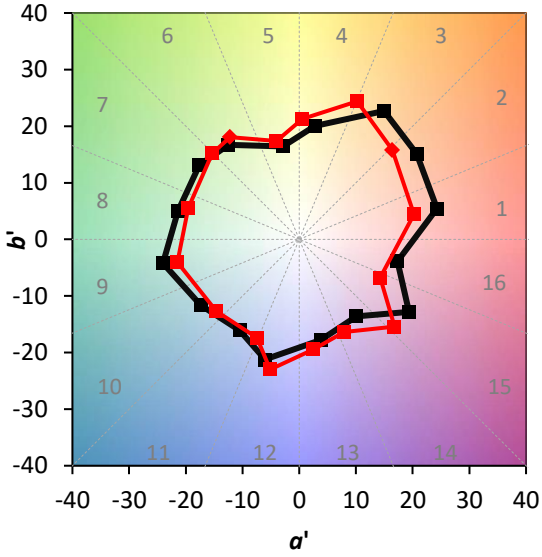
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

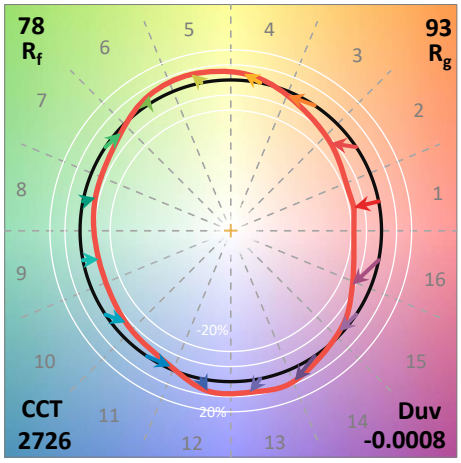
Spectral Power Distribution Comparison

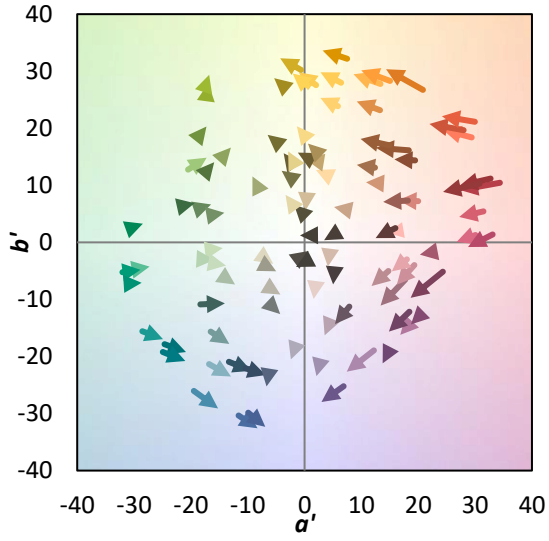


Color Vector Graphics







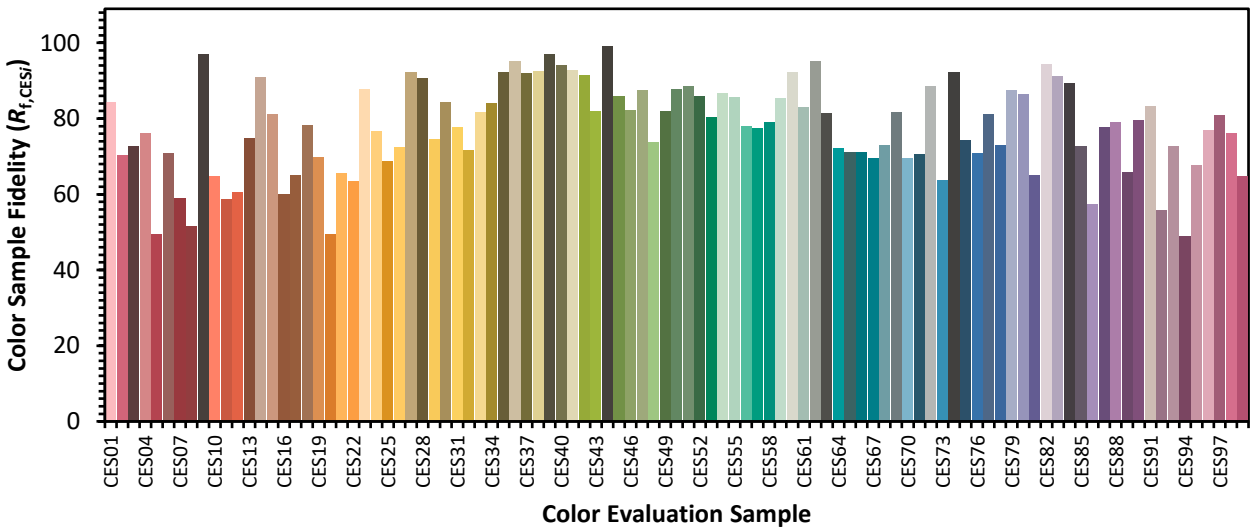


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

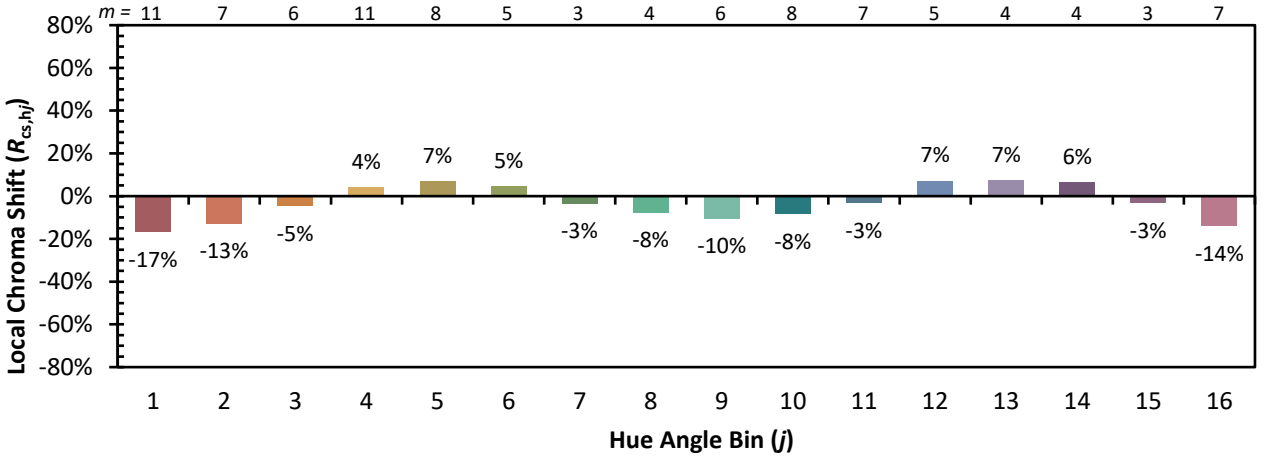
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

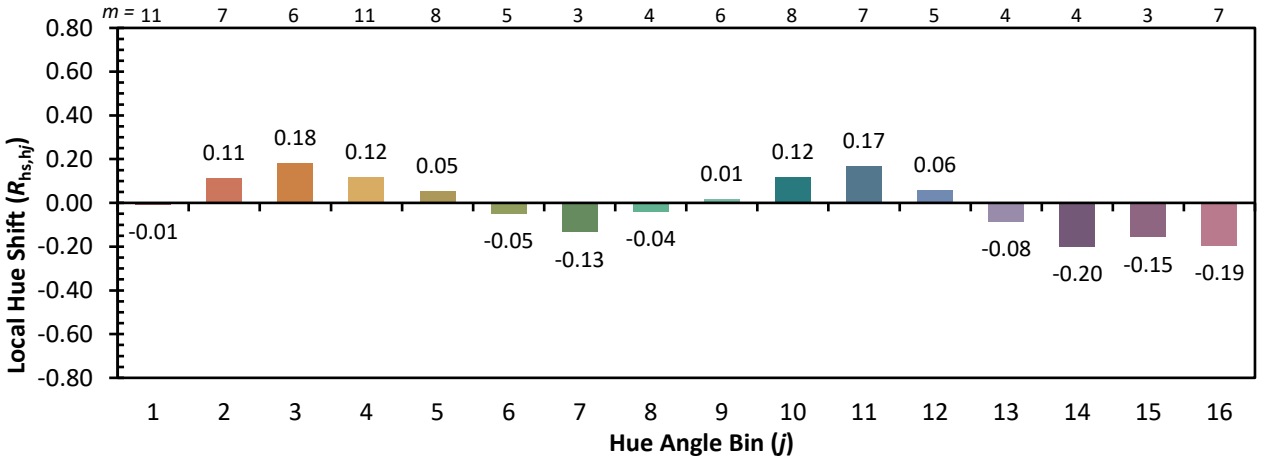


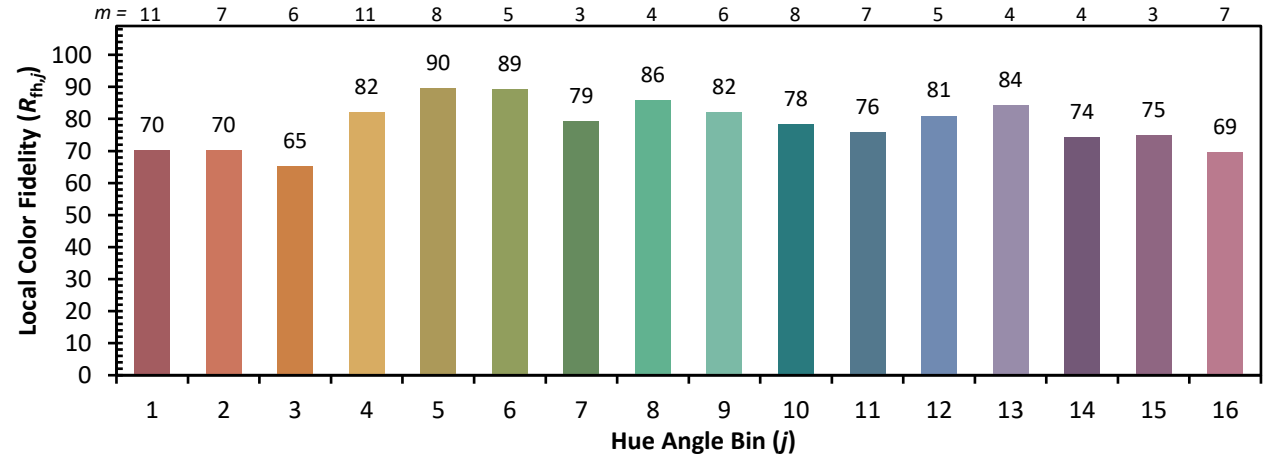
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



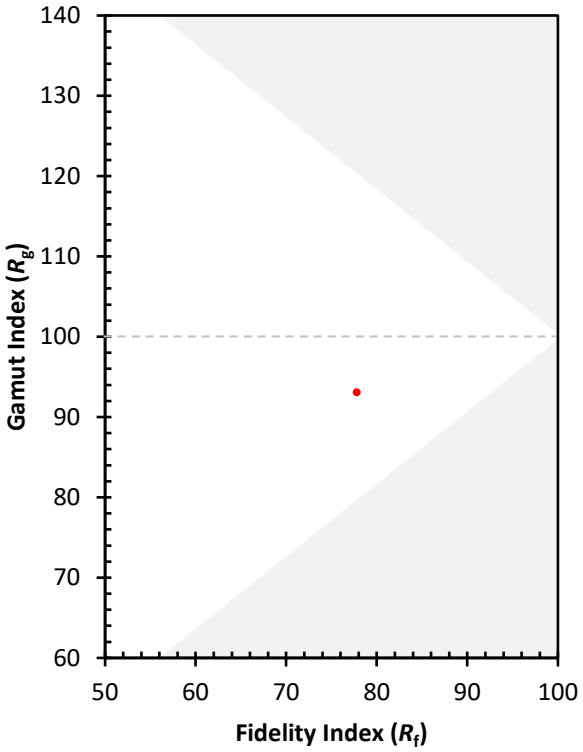


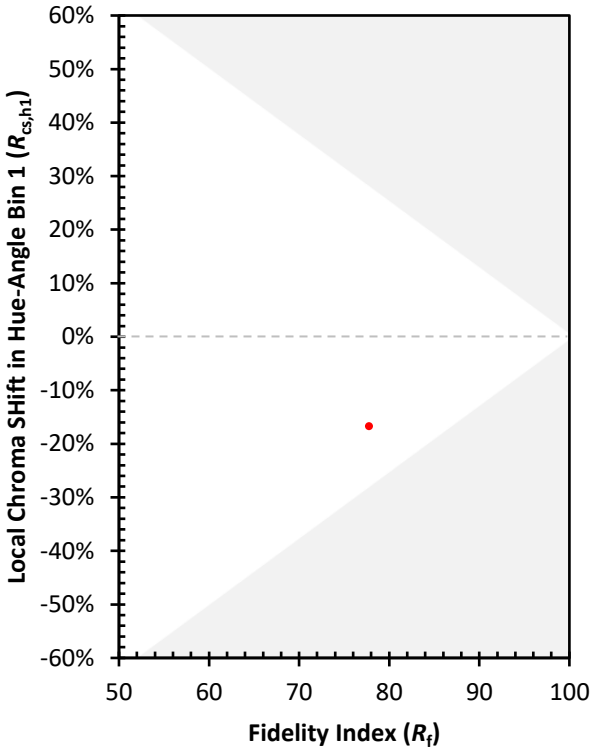


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)