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: P1223998

Luminaire Tested: **FFX-CLB-70-740-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223998
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-740-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11180.1 lumens
Efficiency:	N/A
Efficacy:	157.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

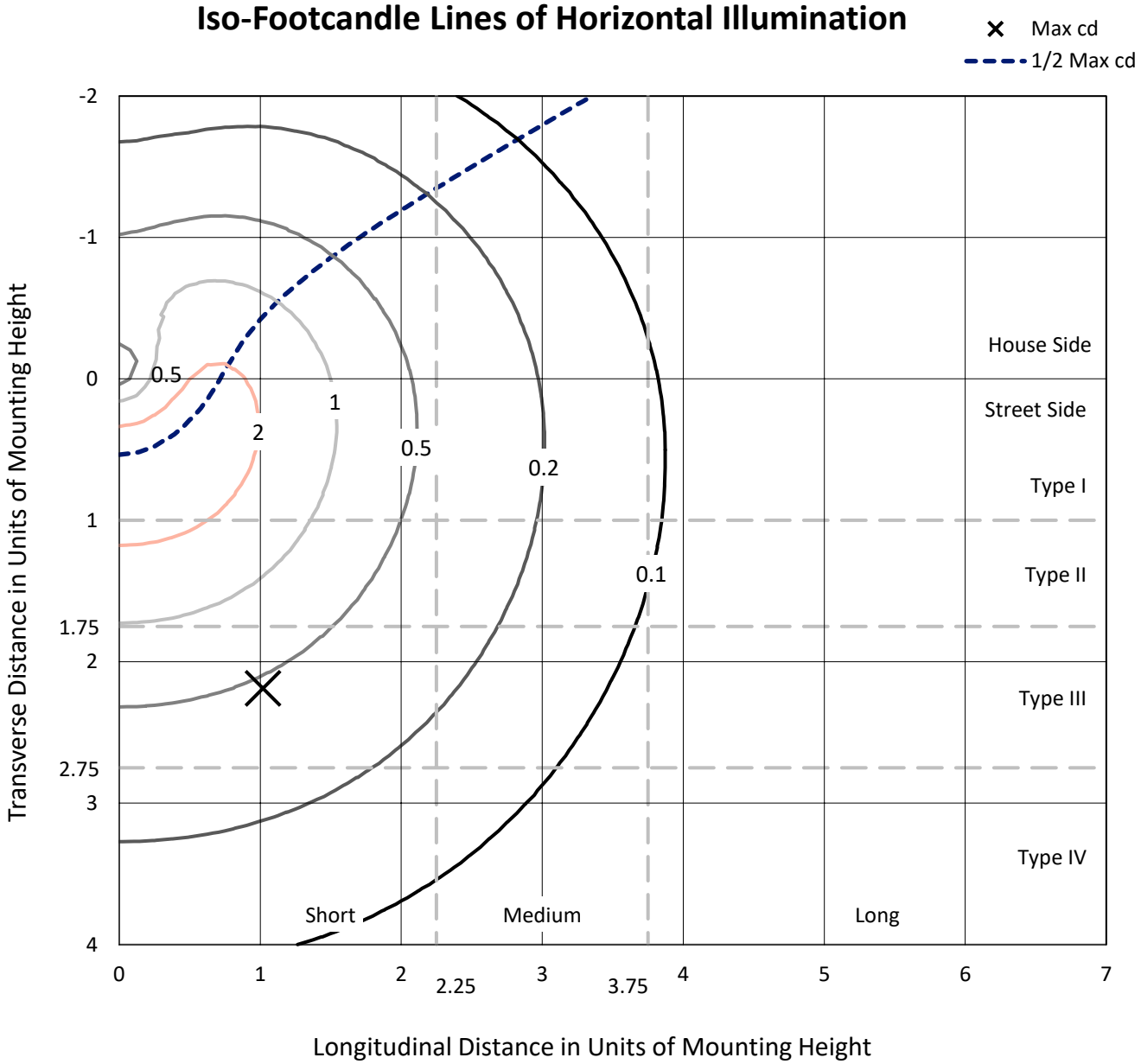


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Iso-Footcandle Lines of Horizontal Illumination



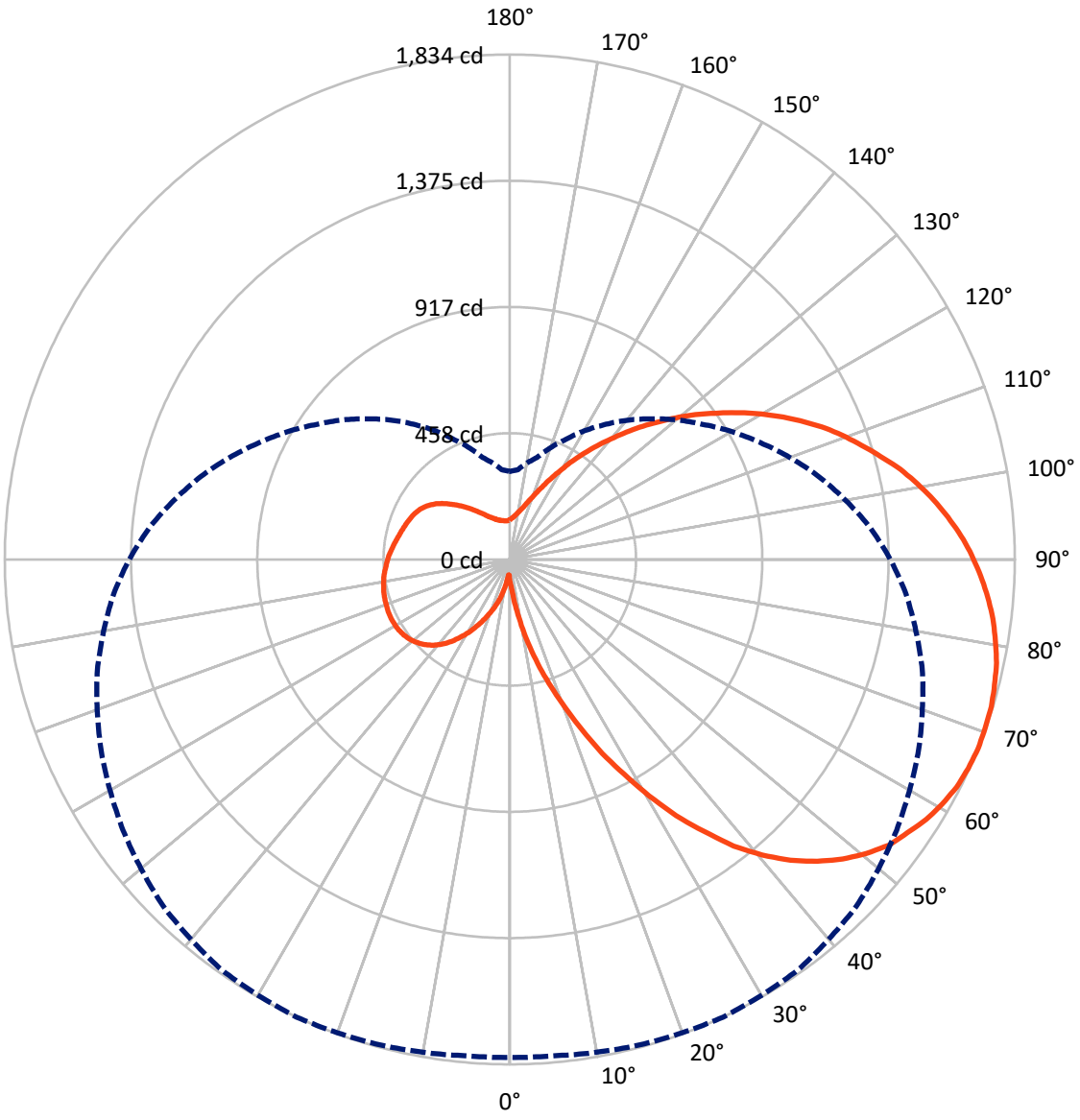
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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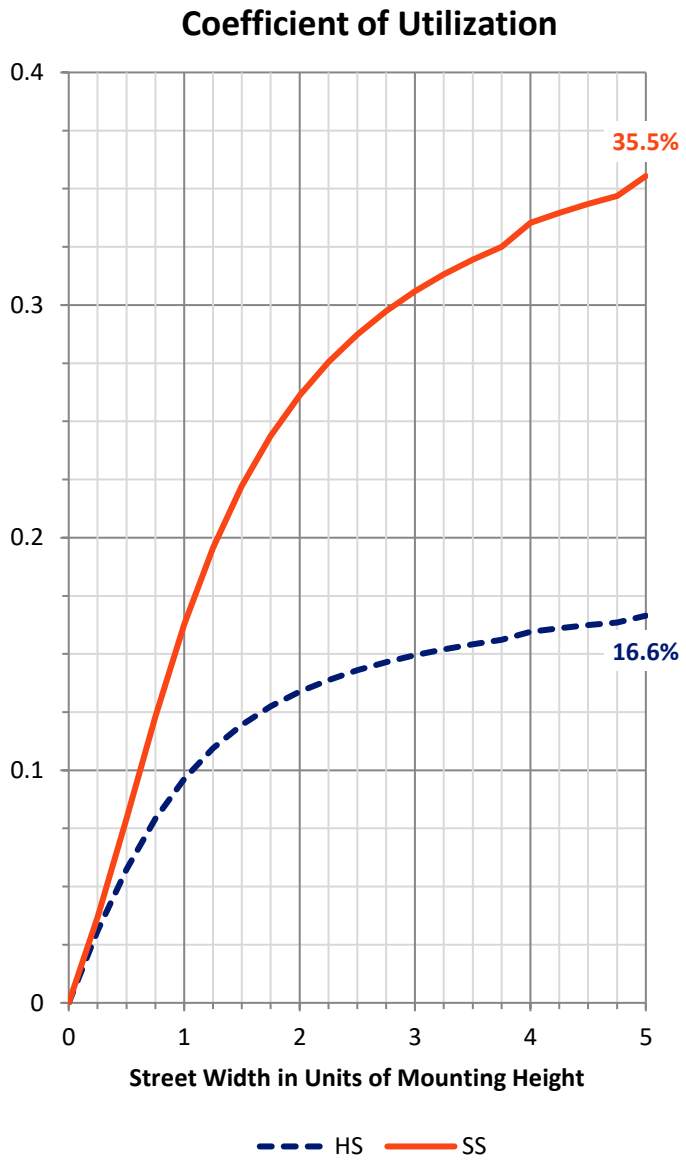
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2047.5	1565.1	3612.6
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	4524.2	3043.4	7567.6
	% Fixture	40.5	27.2	67.7
Total	Lumens	6571.7	4608.4	11180.1
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	85.1	0.8
20°-30°	254.7	2.3
30°-40°	524.1	4.7
40°-50°	818.4	7.3
50°-60°	1059.9	9.5
60°-70°	1222.2	10.9
70°-80°	1300.4	11.6
80°-90°	1294.7	11.6
90°-100°	1207.9	10.8
100°-110°	1055.8	9.4
110°-120°	864.6	7.7
120°-130°	643.0	5.8
130°-140°	418.2	3.7
140°-150°	236.9	2.1
150°-160°	116.8	1.0
160°-170°	51.0	0.5
170°-180°	14.3	0.1
0°-90°	6571.7	58.8
0°-180°	11180.1	100.0



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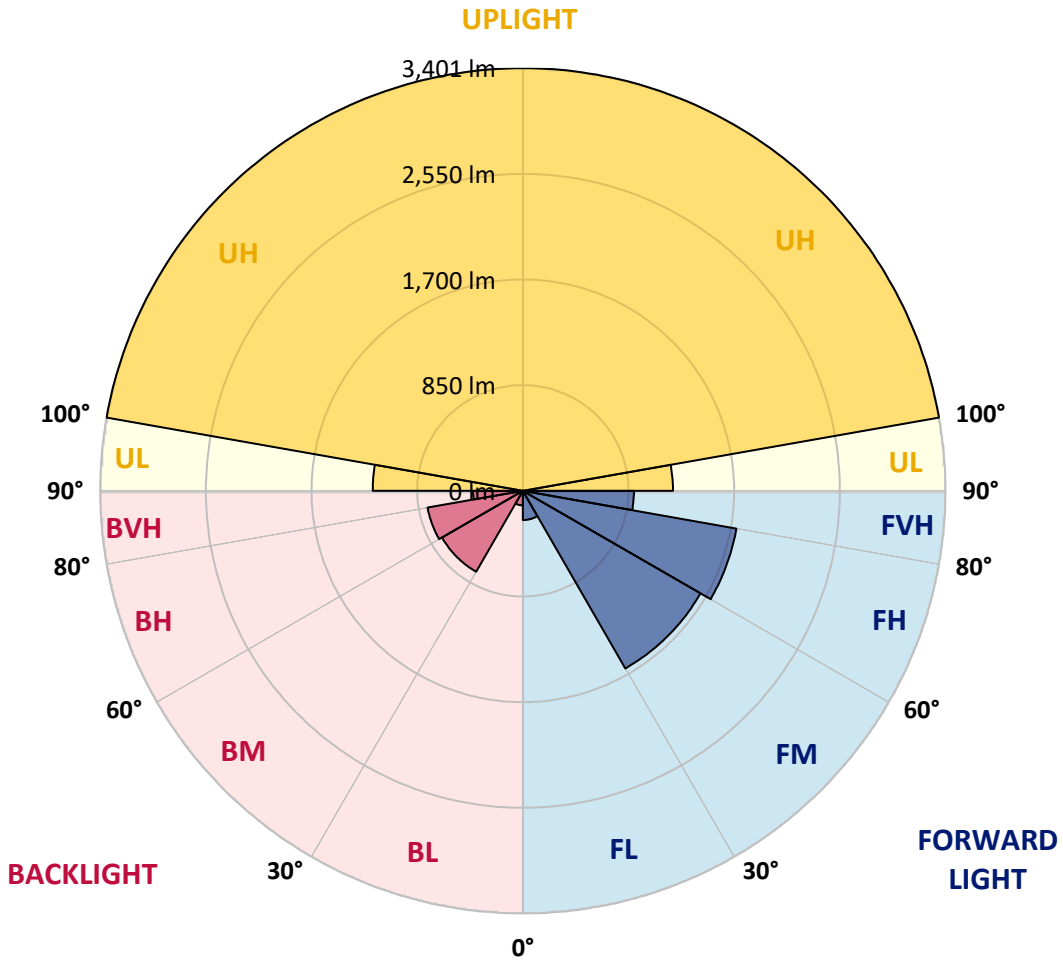
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	234.9	2.1			
FM	(30°-60°)	1650.7	14.8			
FH	(60°-80°)	1744.9	15.6			G1/1800
FVH	(80°-90°)	893.7	8.0			G5
BL	(0°-30°)	117.1	1.0	B1/500		
BM	(30°-60°)	751.7	6.7	B1/1000		
BH	(60°-80°)	777.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	401.0	3.6			G3/500
UL	(90°-100°)	1207.9	10.8		U5	
UH	(100°-180°)	3400.6	30.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	80.9	80.9	80.9	*80.9*	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2.5°	96.5	96.5	97.2	*97.2*	95.8	96.5	95.1	93.0	91.6	88.0	86.6
5°	140.5	138.4	139.1	*137.7*	134.8	133.4	127.7	123.5	116.4	108.6	105.0
7.5°	195.2	195.9	193.0	*189.5*	188.8	181.0	179.6	166.1	160.4	146.9	143.4
10°	262.6	261.2	258.3	*257.6*	251.2	243.4	231.4	224.3	205.8	195.9	188.1
12.5°	336.4	337.1	332.1	*327.2*	321.5	310.9	294.5	283.2	268.3	247.7	237.8
15°	415.9	413.1	413.1	*407.4*	398.9	386.8	374.0	357.7	336.4	314.4	300.2
17.5°	489.7	495.4	493.2	*486.2*	478.3	463.4	450.0	427.2	403.8	379.7	362.0
20°	582.0	583.4	579.8	*573.4*	566.3	549.3	533.0	510.3	481.2	443.6	428.7
22.5°	674.9	677.8	677.8	*674.2*	664.3	649.4	623.1	598.3	562.1	524.5	499.6
25°	782.1	780.0	782.1	*780.0*	763.6	750.2	723.2	693.4	654.4	608.2	578.4
27.5°	890.0	892.8	887.1	*882.2*	875.8	854.5	825.4	787.8	738.8	690.5	658.6
30°	995.0	1001.4	1001.4	*995.7*	985.8	964.5	931.9	891.4	837.5	776.4	738.8
32.5°	1105.0	1107.1	1110.0	*1109.3*	1097.9	1077.3	1041.1	986.5	926.2	858.8	821.8
35°	1221.4	1215.0	1216.4	*1212.2*	1207.2	1181.7	1139.8	1087.3	1022.0	946.8	902.0
37.5°	1317.9	1315.1	1317.2	*1320.8*	1307.3	1281.0	1232.8	1171.7	1100.1	1021.3	976.6
40°	1409.5	1407.4	1410.9	*1411.6*	1398.1	1367.6	1316.5	1257.6	1180.2	1089.4	1047.5
42.5°	1486.1	1486.1	1489.7	*1493.9*	1479.7	1447.1	1395.3	1325.0	1245.5	1154.0	1102.9
45°	1557.1	1555.0	1562.1	*1564.2*	1550.0	1517.4	1459.2	1388.2	1303.0	1210.1	1156.8
47.5°	1613.9	1614.6	1621.7	*1625.9*	1613.2	1576.3	1517.4	1442.1	1353.4	1256.2	1201.5
50°	1660.7	1667.1	1673.5	*1678.5*	1665.0	1628.1	1567.0	1485.4	1396.7	1298.8	1242.0
52.5°	1707.6	1707.6	1717.5	*1723.9*	1709.0	1670.7	1606.8	1527.3	1436.5	1332.8	1277.5
55°	1737.4	1738.1	1750.1	*1752.3*	1743.1	1703.3	1638.0	1558.5	1467.7	1363.4	1304.4
57.5°	1763.6	1764.3	1777.8	*1782.8*	1770.0	1731.7	1665.0	1582.7	1493.9	1387.5	1327.9
60°	1786.3	1785.6	1797.0	*1804.1*	1791.3	1750.9	1685.6	1605.4	1514.5	1409.5	1347.7
62.5°	1800.5	1800.5	1814.0	*1821.1*	1807.6	1767.9	1701.2	1621.7	1530.8	1424.4	1363.4
65°	1806.9	1808.3	1821.1	*1829.6*	1816.9	1776.4	1709.7	1631.6	1542.2	1436.5	1374.7
67.5°	*1809.1*	*1809.8*	*1825.4*	*1833.9*	*1821.8*	*1780.7*	*1714.7*	*1638.0*	*1550.7*	*1444.3*	*1381.8*
70°	1810.5	1811.2	1823.2	*1831.8*	1821.1	1780.0	1716.1	1640.9	1555.7	1448.5	1386.1
72.5°	1802.7	1804.8	1818.3	*1828.2*	1815.4	1775.0	1712.5	1640.9	1555.0	1451.4	1387.5
75°	1792.7	1797.7	1809.8	*1818.3*	1806.9	1767.9	1706.9	1638.0	1554.3	1449.9	1387.5
77.5°	1782.8	1783.5	1799.1	*1806.9*	1794.9	1755.1	1696.9	1630.9	1550.0	1445.7	1382.5
80°	1762.9	1767.2	1780.7	*1787.8*	1777.1	1739.5	1682.7	1621.0	1542.2	1438.6	1374.7
82.5°	1748.7	1747.3	1760.8	*1767.2*	1756.5	1717.5	1666.4	1605.4	1530.8	1426.5	1364.1
85°	1721.8	1724.6	1735.2	*1740.9*	1728.9	1693.4	1644.4	1589.8	1515.2	1413.0	1349.9
87.5°	1696.2	1697.6	1704.7	*1711.1*	1699.0	1665.0	1619.6	1567.8	1496.1	1396.0	1334.3
90°	1664.3	1665.0	1672.8	*1677.8*	1667.1	1635.2	1593.3	1542.9	1475.5	1376.8	1315.1
92.5°	1634.5	1633.0	1638.7	*1640.9*	1631.6	1600.4	1562.8	1515.9	1450.6	1353.4	1293.8
95°	1595.4	1594.7	1599.7	*1598.3*	1588.3	1561.4	1527.3	1486.1	1421.6	1328.6	1269.7
97.5°	1552.1	1552.8	1555.7	*1554.3*	1543.6	1518.8	1492.5	1451.4	1391.7	1299.5	1242.7
100°	1503.9	1506.0	1510.3	*1506.0*	1496.8	1478.3	1450.6	1416.6	1357.7	1270.4	1214.3
102.5°	1463.4	1457.7	1456.3	*1455.6*	1446.4	1430.1	1408.8	1379.0	1324.3	1238.4	1184.5
105°	1410.2	1406.6	1405.9	*1398.1*	1394.6	1381.1	1363.4	1336.4	1287.4	1206.5	1154.0
107.5°	1354.1	1354.8	1352.0	*1342.8*	1337.8	1328.6	1318.6	1294.5	1247.7	1171.0	1122.8
110°	1303.7	1300.2	1292.4	*1288.1*	1284.6	1276.8	1270.4	1251.9	1208.6	1137.0	1088.7

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CATALOG NUMBER: FFX-CLB-70-740-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1241.3	1243.4	1234.2	*1231.3*	1225.7	1225.0	1220.7	1205.8	1167.5	1100.8	1055.3
115°	1185.2	1183.8	1174.6	*1168.9*	1166.8	1168.2	1171.0	1160.4	1124.9	1061.7	1019.9
117.5°	1123.5	1119.2	1112.8	*1107.1*	1104.3	1110.0	1116.4	1111.4	1081.6	1022.0	982.2
120°	1057.5	1058.2	1049.0	*1043.3*	1044.0	1053.2	1061.7	1058.9	1030.5	977.3	941.8
122.5°	995.7	992.2	984.4	*978.7*	983.7	993.6	1003.5	1002.8	978.0	926.2	894.2
125°	928.3	927.6	919.8	*914.1*	918.4	929.7	941.8	943.2	919.8	876.5	844.6
127.5°	864.4	862.3	860.9	*854.5*	857.3	872.9	881.5	880.8	860.2	820.4	792.7
130°	803.4	802.7	794.2	*791.3*	794.9	807.7	816.2	814.7	798.4	763.6	738.8
132.5°	741.6	738.8	735.3	*731.0*	733.8	744.5	755.8	754.4	735.3	701.9	682.0
135°	680.6	678.5	675.6	*672.8*	674.9	685.6	695.5	692.7	676.4	646.5	626.7
137.5°	624.5	622.4	618.9	*615.3*	618.2	626.7	633.1	630.9	617.4	589.1	569.9
140°	566.3	567.8	563.5	*560.7*	562.1	570.6	575.6	572.7	557.8	534.4	518.8
142.5°	513.1	513.1	511.0	*510.3*	512.4	516.7	520.9	515.3	505.3	481.2	468.4
145°	462.0	462.7	462.0	*460.6*	461.3	466.3	467.0	464.9	453.5	435.8	421.6
147.5°	413.8	415.9	414.5	*414.5*	415.2	417.3	420.1	415.2	405.2	389.6	379.7
150°	369.0	370.5	370.5	*369.0*	369.0	371.9	371.9	368.3	360.5	347.8	338.5
152.5°	330.0	330.7	330.7	*329.3*	330.0	330.7	329.3	325.0	318.7	308.7	301.6
155°	294.5	295.9	293.8	*294.5*	292.4	293.1	292.4	289.6	282.5	273.9	269.7
157.5°	262.6	264.7	263.3	*263.3*	261.9	261.2	260.5	257.6	252.7	245.6	240.6
160°	237.0	238.5	236.3	*236.3*	234.9	234.9	232.1	230.7	225.7	219.3	216.5
162.5°	215.0	215.0	214.3	*215.0*	214.3	212.2	210.8	207.9	203.7	198.7	196.6
165°	197.3	196.6	196.6	*195.9*	195.2	193.8	191.6	190.2	185.9	181.7	180.3
167.5°	183.8	183.1	182.4	*181.7*	180.3	179.6	177.4	176.0	172.5	168.9	167.5
170°	172.5	172.5	171.0	*170.3*	169.6	168.2	166.1	163.9	161.1	159.0	157.6
172.5°	162.5	162.5	161.8	*161.1*	160.4	159.0	156.8	155.4	153.3	151.2	149.7
175°	155.4	155.4	154.7	*153.3*	152.6	151.2	149.7	148.3	146.2	144.8	144.1
177.5°	149.7	149.7	149.7	*148.3*	147.6	146.2	144.8	143.4	142.7	141.2	141.2
180°	142.7	142.7	142.7	*142.7*	142.7	142.7	142.7	142.7	142.7	142.7	142.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2.5°	84.5	80.2	76.6	71.0	66.0	61.7	58.9	56.8	55.4	53.9
5°	100.8	93.0	85.2	76.6	68.8	61.7	56.1	51.8	49.7	49.7
7.5°	137.7	125.6	112.1	100.1	90.8	81.6	73.1	68.1	65.3	63.9
10°	180.3	162.5	149.0	134.1	117.8	106.5	96.5	90.1	86.6	87.3
12.5°	231.4	209.4	192.3	170.3	152.6	134.8	124.2	115.0	110.7	110.0
15°	288.1	262.6	237.8	211.5	188.1	167.5	151.9	139.8	132.7	132.0
17.5°	347.8	315.8	282.5	252.7	222.1	196.6	175.3	161.1	153.3	153.3
20°	408.1	371.9	332.9	293.8	256.9	225.7	200.8	182.4	172.5	171.0
22.5°	477.6	431.5	384.7	337.1	295.2	256.2	224.3	202.3	191.6	189.5
25°	553.6	498.9	442.9	386.8	335.0	288.1	251.2	226.4	211.5	209.4
27.5°	632.4	566.3	500.3	435.1	374.7	322.9	278.2	246.3	231.4	229.2
30°	709.7	637.3	560.7	484.0	415.9	356.3	305.2	268.3	249.8	247.0
32.5°	785.7	703.3	618.9	533.7	459.2	389.6	330.0	290.3	267.6	264.7
35°	858.0	772.9	674.2	582.7	497.5	423.0	356.3	310.1	284.6	281.8
37.5°	929.0	832.5	728.9	628.1	535.8	451.4	380.4	328.6	300.2	297.4
40°	996.4	889.3	776.4	670.0	569.2	479.8	401.0	344.9	313.0	309.4
42.5°	1048.2	938.2	820.4	705.5	598.3	501.1	419.4	357.7	322.9	318.0
45°	1100.1	982.2	858.0	736.7	623.8	521.6	434.3	369.0	332.1	326.5
47.5°	1142.6	1019.9	888.6	762.2	645.1	539.4	447.1	376.9	337.8	332.1
50°	1183.1	1053.2	916.9	785.7	664.3	555.0	457.8	383.2	341.4	335.7
52.5°	1214.3	1080.9	939.7	804.1	679.9	566.3	466.3	387.5	343.5	337.1
55°	1240.6	1103.6	958.1	818.3	692.0	576.3	472.7	389.6	343.5	337.1
57.5°	1262.6	1121.3	973.0	831.1	701.2	582.7	476.9	390.3	341.4	335.0
60°	1281.7	1137.7	985.1	841.0	709.7	589.1	479.8	390.3	339.2	332.1
62.5°	1297.4	1149.0	994.3	848.8	716.1	594.0	481.2	388.9	335.0	327.9
65°	1306.6	1156.8	1000.0	853.1	719.6	595.4	481.2	386.8	330.7	323.6
67.5°	*1314.4*	*1161.8*	*1003.5*	*855.2*	*721.8*	*596.9*	*480.5*	*383.2*	*326.5*	*319.4*
70°	1317.9	1163.9	1005.0	856.6	723.2	596.2	478.3	380.4	322.2	313.7
72.5°	1318.6	1164.6	1004.2	856.6	723.2	596.2	476.2	376.1	317.2	309.4
75°	1317.2	1162.5	1002.1	855.9	722.5	594.0	474.1	372.6	313.0	304.5
77.5°	1313.0	1158.2	998.6	853.1	718.9	591.9	469.8	368.3	308.0	300.2
80°	1305.9	1151.2	992.9	848.1	714.7	587.6	466.3	364.1	303.8	295.9
82.5°	1295.2	1141.9	985.8	841.7	710.4	582.7	462.0	359.8	299.5	291.7
85°	1282.4	1130.6	975.1	833.9	704.0	577.0	456.3	354.9	295.2	287.4
87.5°	1264.7	1116.4	963.8	824.7	695.5	569.9	450.0	350.6	291.7	283.9
90°	1247.7	1100.8	951.7	814.7	687.7	563.5	444.3	345.6	288.9	281.0
92.5°	1227.8	1082.3	936.8	803.4	677.1	555.0	438.6	341.4	286.0	278.9
95°	1205.1	1062.4	921.2	789.9	667.1	546.5	431.5	337.1	283.2	276.8
97.5°	1179.5	1041.1	904.2	775.7	655.1	537.3	425.1	333.6	281.8	274.7
100°	1153.3	1017.0	885.7	761.5	643.0	527.3	418.7	330.0	281.0	274.7
102.5°	1123.5	995.0	867.3	747.3	630.9	518.1	412.3	327.9	281.0	274.7
105°	1095.1	969.5	847.4	731.7	618.9	508.9	406.7	326.5	281.8	276.1
107.5°	1064.6	945.3	827.5	715.4	605.4	499.6	401.7	325.0	283.2	277.5
110°	1036.2	921.9	809.1	699.8	593.3	491.1	396.7	324.3	284.6	279.6

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

Scaled Data Report

REPORT NUMBER: P1223998
CATALOG NUMBER: FFX-CLB-70-740-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1005.0	896.4	788.5	682.7	580.5	481.2	391.8	322.9	286.0	281.8
115°	972.3	869.4	767.9	665.7	565.6	472.0	386.8	322.2	287.4	283.2
117.5°	936.8	840.3	743.1	645.8	550.0	460.6	379.7	319.4	287.4	283.2
120°	898.5	809.8	716.1	624.5	532.3	447.1	372.6	315.8	286.0	282.5
122.5°	856.6	773.6	684.9	597.6	512.4	431.5	362.0	309.4	282.5	278.9
125°	810.5	733.1	652.9	568.5	487.6	413.8	349.2	302.3	276.8	273.9
127.5°	762.2	691.3	614.6	538.0	464.2	394.6	335.7	291.7	269.0	266.1
130°	708.3	644.4	574.9	503.9	436.5	372.6	319.4	279.6	259.0	256.2
132.5°	656.5	598.3	535.8	472.7	407.4	351.3	301.6	266.1	248.4	245.6
135°	602.5	551.4	495.4	435.8	380.4	327.9	283.9	252.7	236.3	234.2
137.5°	550.0	506.7	454.2	401.7	352.7	305.2	266.9	239.9	225.0	223.6
140°	501.1	460.6	416.6	370.5	325.0	283.9	250.5	225.7	213.6	211.5
142.5°	453.5	418.7	379.0	340.0	298.1	263.3	234.2	212.2	202.3	200.8
145°	408.8	379.7	344.9	309.4	273.9	243.4	218.6	200.1	191.6	190.9
147.5°	366.9	342.8	312.3	282.5	252.7	227.1	204.4	190.2	182.4	181.7
150°	328.6	306.6	282.5	256.9	232.1	209.4	192.3	179.6	173.2	172.5
152.5°	292.4	275.4	255.5	234.9	213.6	195.9	180.3	171.0	166.1	165.4
155°	261.2	247.7	231.4	213.6	197.3	183.1	171.0	163.9	159.7	159.7
157.5°	234.9	223.6	211.5	197.3	183.8	172.5	163.9	157.6	154.0	154.0
160°	212.2	202.3	193.0	182.4	173.2	163.9	157.6	152.6	149.7	149.7
162.5°	193.0	185.9	178.8	171.0	163.2	157.6	151.9	148.3	146.9	146.2
165°	177.4	173.2	167.5	161.8	156.8	151.9	148.3	146.2	144.8	144.8
167.5°	165.4	162.5	158.3	154.7	151.2	147.6	145.5	144.1	143.4	143.4
170°	156.1	154.0	151.2	149.0	146.9	144.8	143.4	142.7	141.9	141.9
172.5°	149.0	146.9	145.5	144.8	143.4	142.7	141.9	141.2	141.2	141.2
175°	144.1	142.7	142.7	141.9	141.2	141.2	140.5	140.5	140.5	141.2
177.5°	140.5	140.5	140.5	140.5	140.5	141.2	141.2	141.2	141.9	141.9
180°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7

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: SP1-2501-332-1

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

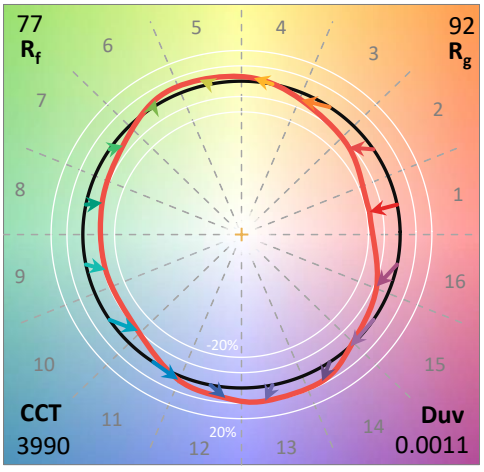
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

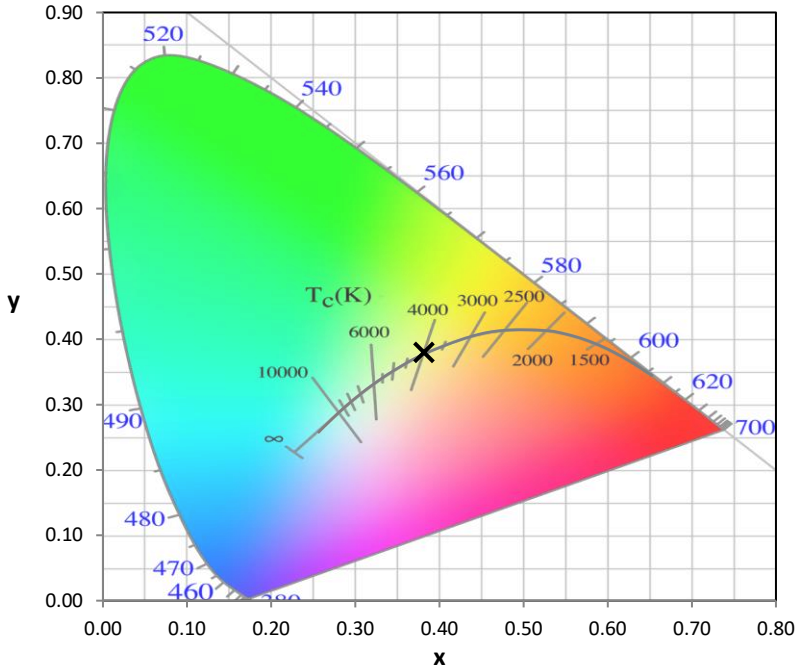
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

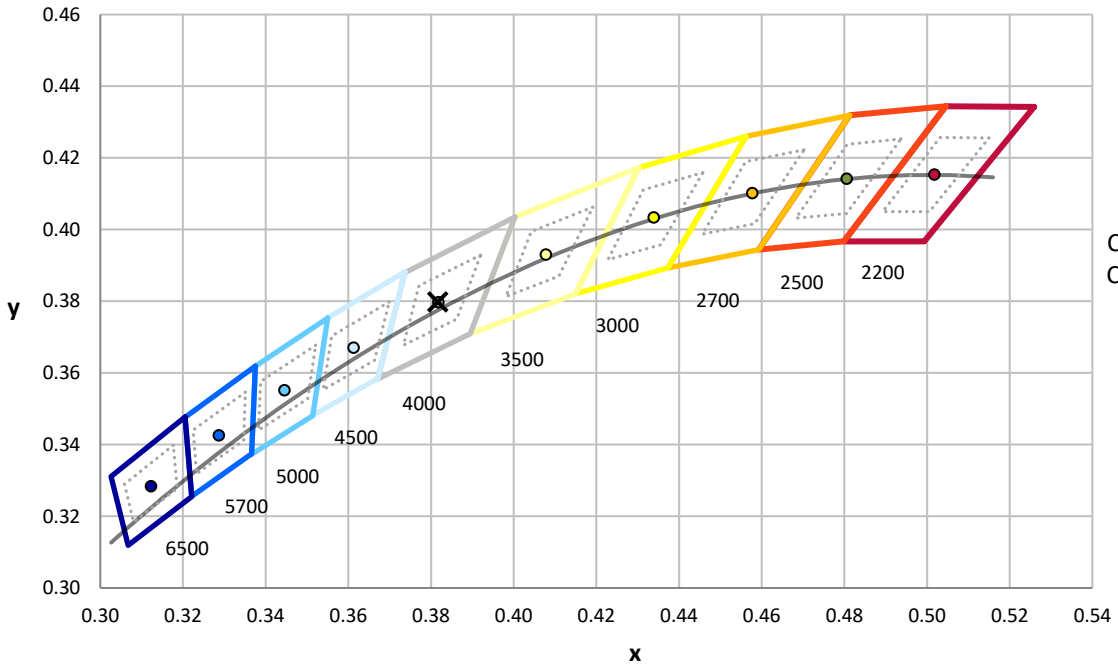
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

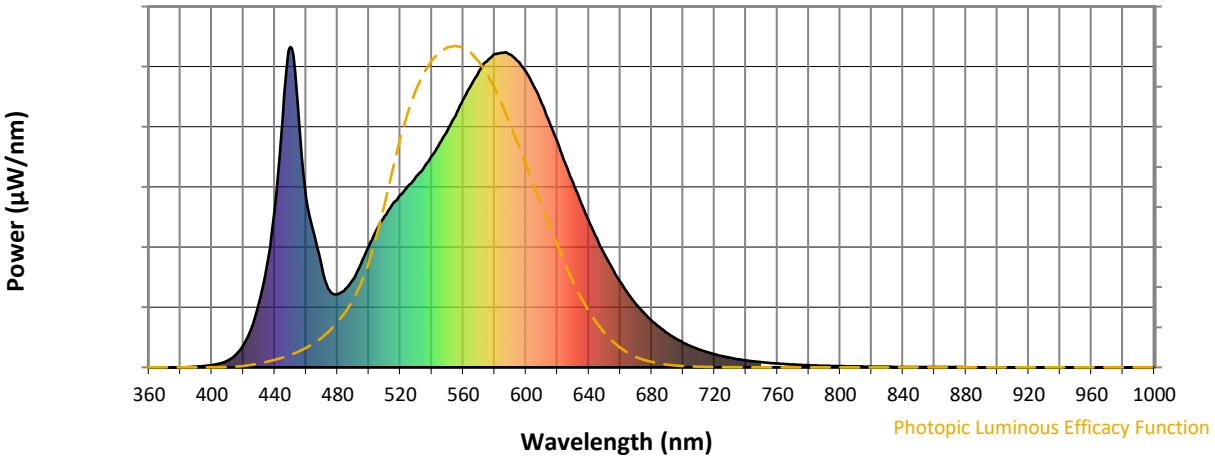


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

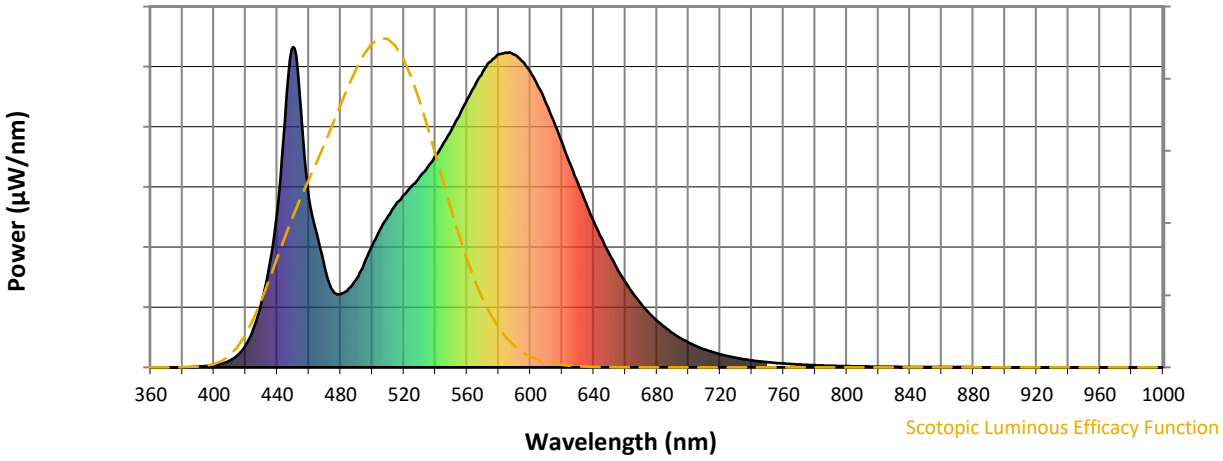


Photopic Lumens: NR

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

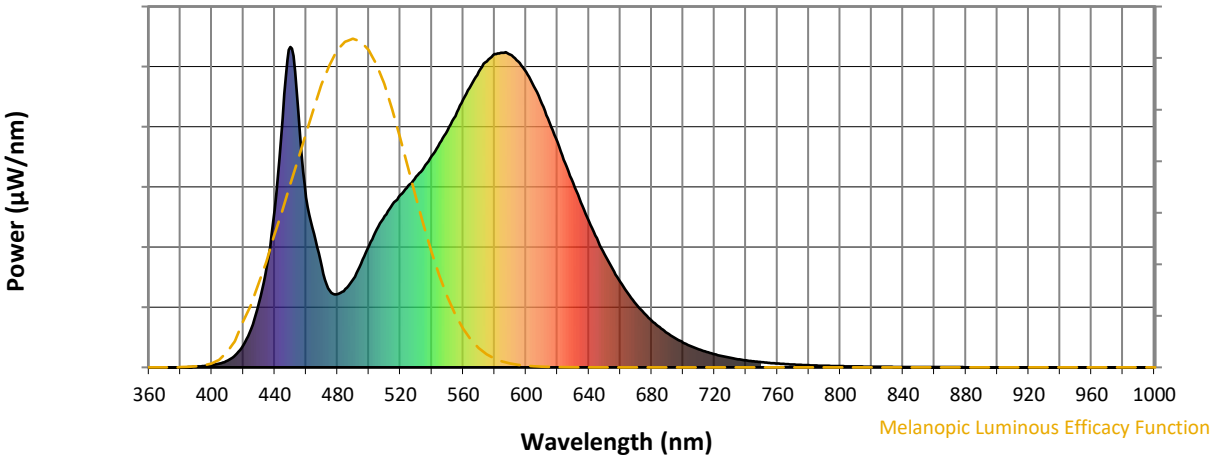


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

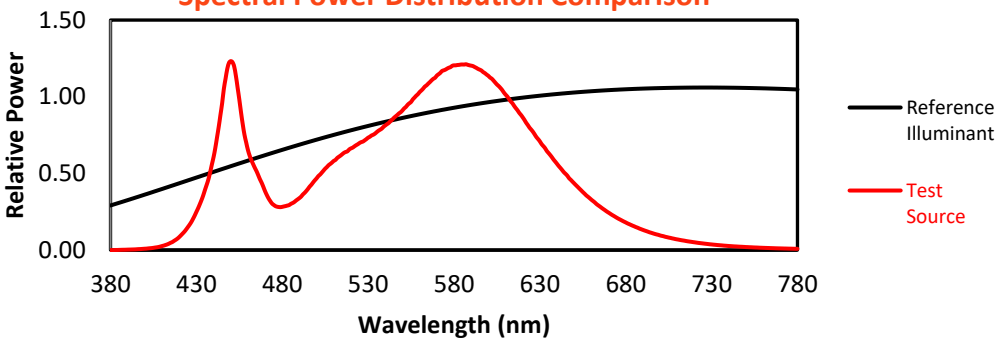
REPORT NUMBER: SP1-2501-332-1

TM-30-18

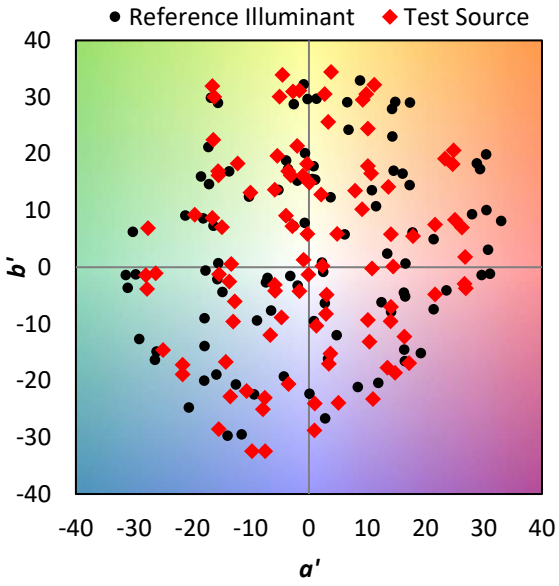
Summary

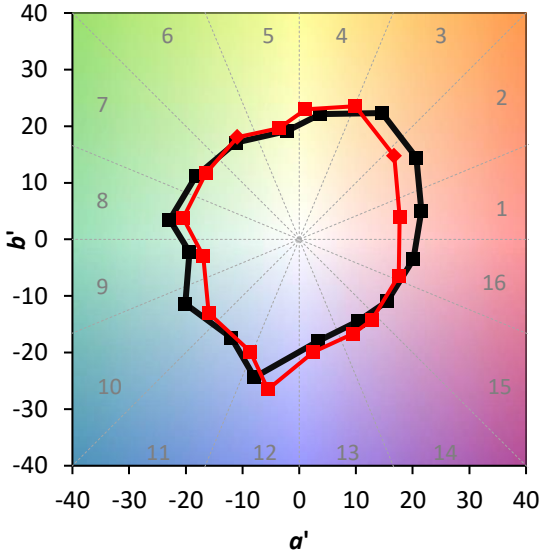
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

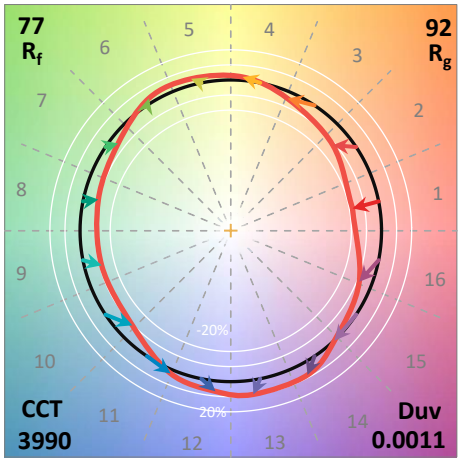
Spectral Power Distribution Comparison

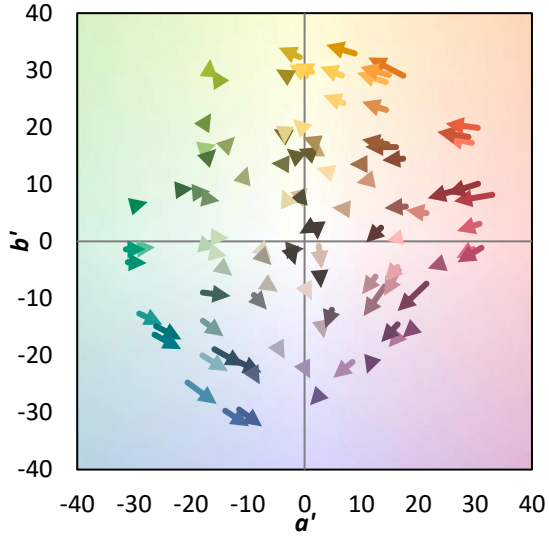


Color Vector Graphics







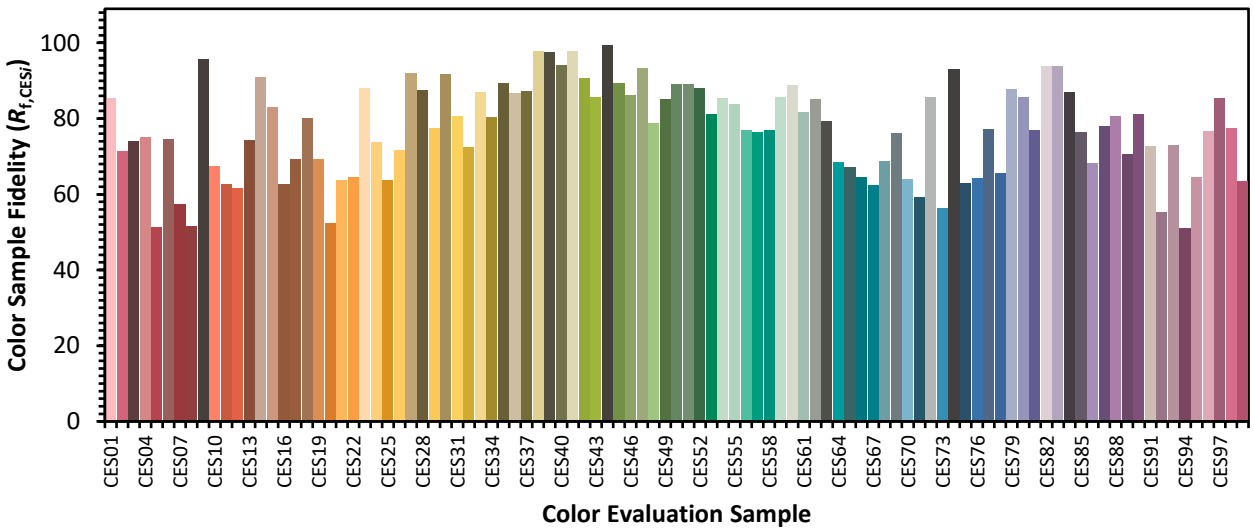


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

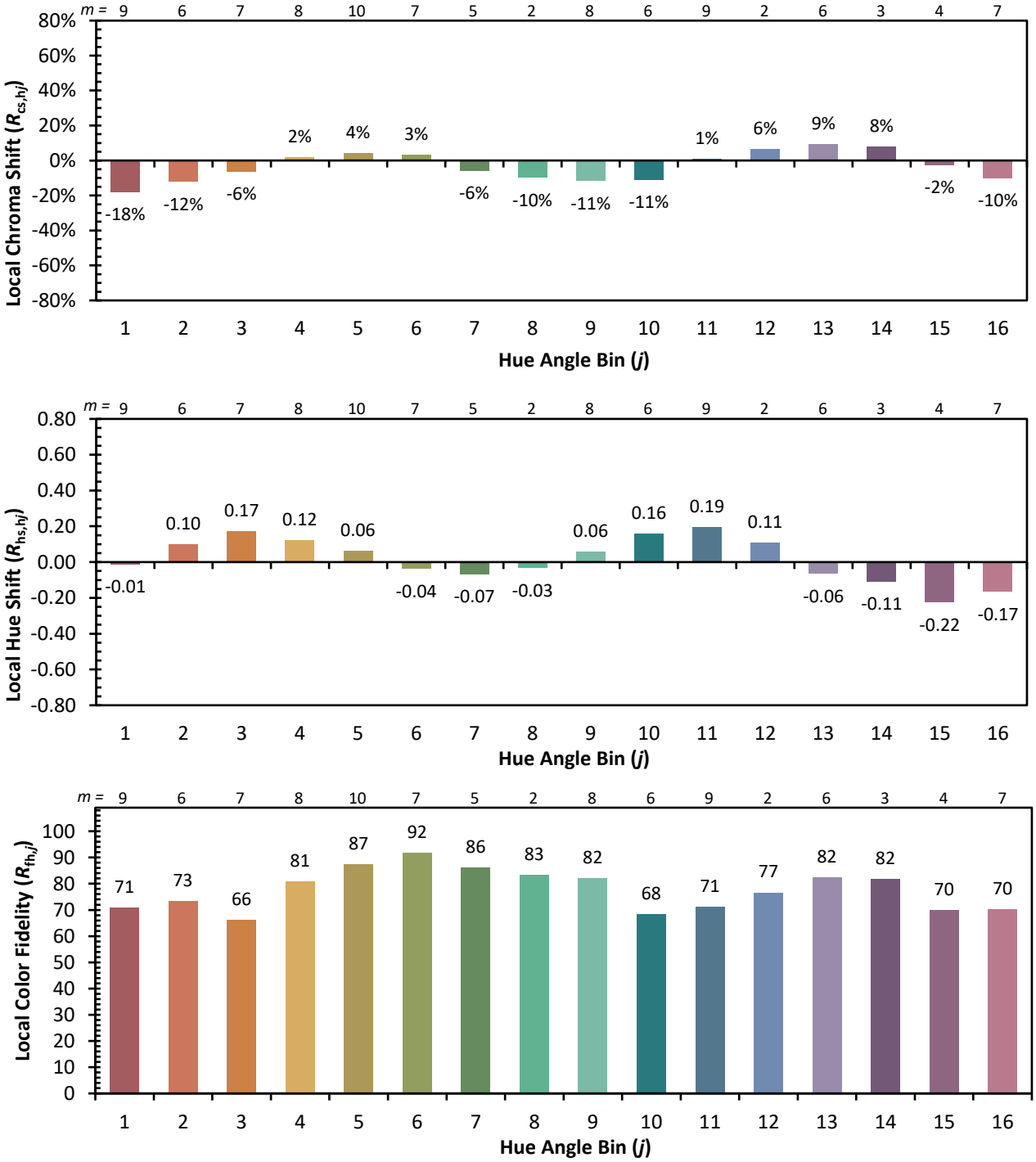
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
CES25 = 72	CES50 = 89	CES75 = 63	



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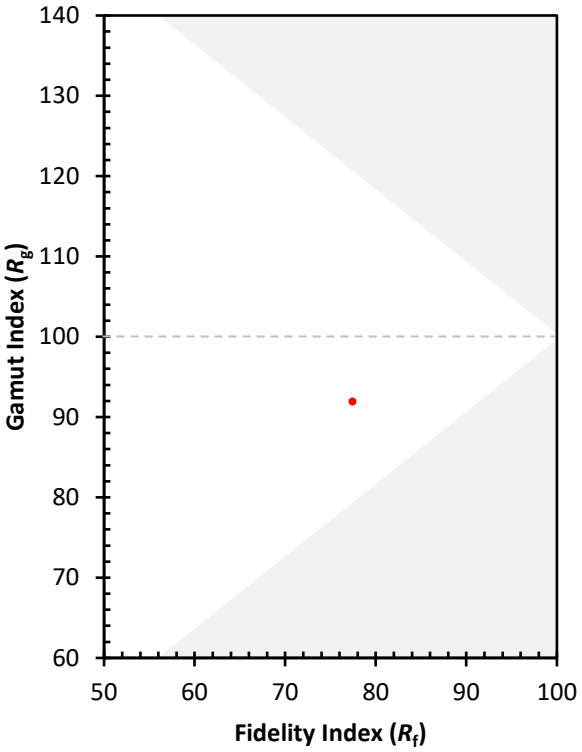
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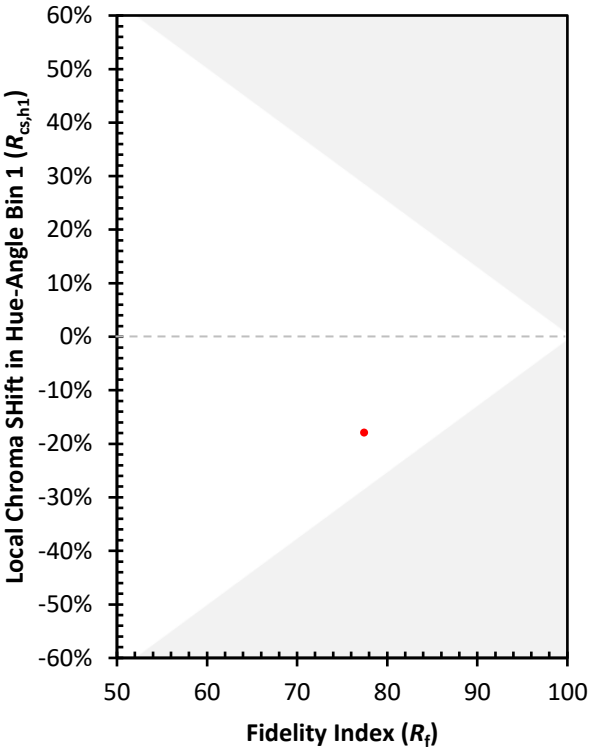


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Measure Comparisons





(END OF REPORT)