

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: FAIL-SAFE

Report Number: P837957

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90**

Issue Date: 5/21/2024

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

**Test Information**

Test Method: LM-79-08
Report Number: P837957
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

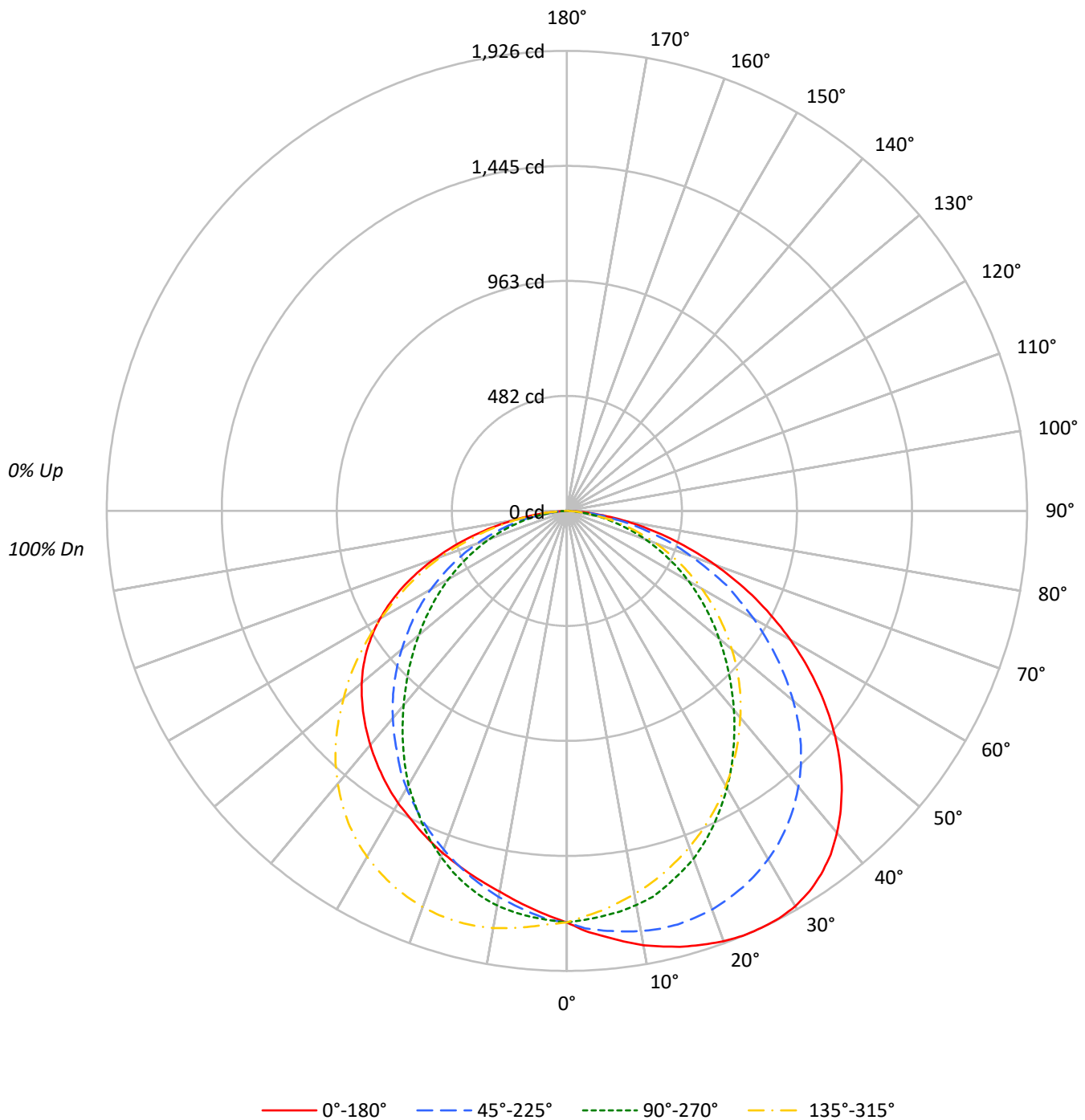
Lumens per Lamp: N/A
Luminaire Lumens: 5053.4 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70		
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59		
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4635	4635	4635	4635
5°	4831	4602	4515	4609
10°	5046	4578	4423	4585
15°	5262	4520	4380	4521
20°	5492	4438	4361	4412
25°	5719	4314	4360	4270
30°	5940	4164	4390	4117
35°	6098	3993	4434	3929
40°	6179	3821	4495	3734
45°	6191	3647	4582	3555
50°	6133	3480	4695	3388
55°	6006	3325	4799	3233
60°	5817	3164	4863	3081
65°	5557	2978	4838	2909
70°	5190	2760	4666	2709
75°	4670	2461	4282	2447
80°	3959	2061	3598	2092
85°	2754	1365	2282	1402

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	3.2
10°-20°	473.6	9.4
20°-30°	725.7	14.4
30°-40°	882.5	17.5
40°-50°	917.4	18.2
50°-60°	828.7	16.4
60°-70°	630.0	12.5
70°-80°	351.2	7.0
80°-90°	80.9	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1362.8	27.0
0°-40°	2245.3	44.4
0°-60°	3991.4	79.0
0°-90°	5053.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5053.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1722	1722	1722	1722	1722	
5°	1788	1704	1671	1706	1788	172
15°	1889	1622	1572	1623	1889	536
25°	1926	1453	1468	1438	1926	890
35°	1856	1215	1350	1196	1856	1159
45°	1627	958	1204	934	1627	1252
55°	1280	709	1023	689	1280	1143
65°	873	468	760	457	873	862
75°	449	237	412	235	449	477
85°	89	44	74	45	89	112
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5
2.5°	1760.6	1734.9	1735.3	1757.8	1740.5	1749.0	1724.9	1734.1	1731.3	1733.3	1713.6
5°	1788.3	1760.6	1760.2	1779.5	1760.2	1763.8	1733.3	1739.3	1730.5	1724.9	1703.6
7.5°	1817.7	1790.0	1787.1	1804.0	1778.7	1775.9	1742.1	1742.1	1726.1	1712.0	1691.9
10°	1846.6	1818.1	1814.5	1827.3	1796.0	1786.7	1745.8	1739.3	1718.0	1697.1	1675.4
12.5°	1868.3	1839.4	1836.6	1844.6	1809.2	1792.4	1745.8	1733.3	1702.0	1672.6	1655.8
15°	1888.8	1859.1	1851.4	1855.4	1814.9	1792.4	1740.1	1720.8	1680.7	1642.1	1622.4
17.5°	1903.3	1874.7	1867.1	1866.7	1817.7	1785.5	1728.1	1701.6	1653.3	1606.7	1587.1
20°	1917.7	1889.2	1879.6	1872.3	1816.9	1776.3	1710.4	1674.6	1618.4	1566.2	1549.7
22.5°	1925.0	1895.6	1885.2	1874.3	1811.6	1759.4	1688.7	1643.3	1579.0	1516.7	1503.1
25°	1926.2	1896.0	1884.8	1869.1	1801.2	1739.3	1660.6	1605.5	1533.6	1464.5	1452.9
27.5°	1922.9	1890.0	1878.7	1859.9	1785.5	1714.8	1627.2	1562.5	1485.4	1409.1	1396.6
30°	1911.7	1878.3	1867.5	1843.0	1763.4	1684.7	1590.7	1514.7	1432.0	1350.8	1340.0
32.5°	1889.2	1856.6	1847.8	1823.3	1739.3	1649.7	1548.1	1463.3	1372.9	1295.4	1279.3
35°	1856.2	1823.7	1818.1	1792.4	1705.6	1607.9	1501.5	1407.1	1310.2	1231.1	1215.4
37.5°	1813.3	1785.9	1777.5	1752.2	1665.8	1560.5	1448.0	1346.0	1246.3	1161.2	1151.5
40°	1759.0	1733.3	1726.9	1704.4	1619.6	1507.9	1390.2	1282.9	1180.4	1101.3	1087.6
42.5°	1697.1	1673.0	1669.4	1646.1	1562.5	1449.6	1327.5	1217.4	1111.7	1035.4	1021.7
45°	1626.8	1603.5	1602.7	1580.6	1500.3	1385.0	1261.6	1151.1	1044.6	965.5	958.3
47.5°	1549.3	1528.4	1528.4	1507.9	1430.8	1313.8	1193.7	1082.0	977.1	907.2	894.4
50°	1464.9	1445.2	1439.2	1429.1	1354.0	1236.3	1122.2	1014.5	910.4	843.7	831.3
52.5°	1374.9	1358.0	1362.1	1343.6	1270.8	1155.5	1049.9	938.6	843.3	782.7	770.2
55°	1280.1	1256.0	1259.6	1252.8	1184.1	1072.4	968.7	875.9	777.5	720.4	708.7
57.5°	1181.6	1150.3	1163.2	1159.1	1091.7	987.2	894.4	804.8	712.0	659.3	648.1
60°	1080.8	1050.7	1063.9	1060.3	996.8	902.0	817.6	734.5	646.9	599.1	587.8
62.5°	977.1	949.4	961.5	958.7	900.4	814.8	741.3	665.0	581.4	538.4	527.9
65°	872.7	846.2	857.0	855.0	801.2	736.1	662.9	593.0	515.5	478.1	467.7
67.5°	765.8	741.3	751.3	751.3	701.9	639.6	584.2	520.3	450.8	418.7	409.0
70°	659.7	636.8	645.7	644.9	603.1	552.5	504.6	447.6	385.3	358.8	350.8
72.5°	552.9	532.8	540.8	540.0	505.0	472.5	425.1	375.7	321.4	300.1	292.9
75°	449.2	430.3	437.9	437.1	408.6	378.1	346.3	305.4	258.7	243.9	236.7
77.5°	350.4	331.1	337.5	337.5	316.6	294.5	269.2	237.5	204.5	188.4	183.2
80°	255.5	246.3	243.1	243.5	229.4	215.0	202.1	171.6	147.5	136.6	133.0
82.5°	167.9	160.3	157.1	157.9	149.9	141.0	133.0	111.7	95.6	89.2	87.2
85°	89.2	83.6	80.8	82.8	81.2	76.3	72.3	57.9	47.8	45.4	44.2
87.5°	28.1	24.5	22.5	29.7	25.3	22.5	21.7	17.3	13.3	13.3	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5
2.5°	1720.0	1720.0	1704.4	1700.8	1699.1	1701.2	1685.5	1682.7	1705.2	1697.5	1680.3
5°	1706.4	1705.6	1683.5	1679.5	1679.5	1677.1	1659.4	1655.4	1677.9	1671.4	1652.5
7.5°	1689.5	1687.1	1661.0	1658.2	1654.1	1652.5	1632.9	1630.0	1649.3	1645.3	1627.6
10°	1669.0	1666.6	1635.7	1633.7	1629.2	1626.0	1607.5	1605.5	1625.2	1618.8	1604.7
12.5°	1642.1	1637.7	1605.9	1603.9	1600.3	1599.1	1581.0	1580.2	1601.9	1595.5	1580.6
15°	1606.7	1603.1	1567.8	1568.6	1569.0	1569.0	1554.5	1553.7	1575.0	1572.2	1556.1
17.5°	1567.8	1562.9	1529.2	1531.6	1534.4	1537.6	1526.4	1528.4	1550.9	1547.3	1532.8
20°	1523.6	1518.7	1485.8	1492.6	1498.7	1505.1	1497.9	1503.5	1524.4	1522.8	1511.9
22.5°	1474.1	1469.3	1438.8	1449.2	1459.3	1471.3	1468.1	1474.6	1496.6	1496.2	1486.6
25°	1413.9	1415.1	1388.2	1401.0	1417.9	1434.8	1436.0	1446.4	1470.9	1468.5	1459.7
27.5°	1357.6	1359.2	1330.7	1352.4	1374.9	1396.6	1401.8	1416.3	1441.2	1439.2	1431.6
30°	1298.6	1300.6	1272.9	1302.6	1329.9	1356.4	1367.7	1387.4	1412.7	1412.7	1404.6
32.5°	1237.1	1240.7	1211.8	1251.6	1283.3	1314.2	1333.9	1354.4	1383.3	1382.5	1375.7
35°	1174.0	1178.0	1151.5	1202.1	1233.9	1271.6	1296.2	1323.5	1349.2	1349.6	1344.4
37.5°	1109.7	1114.6	1090.4	1145.9	1182.1	1226.6	1258.0	1285.3	1313.8	1315.4	1310.6
40°	1045.8	1051.1	1030.2	1083.6	1129.4	1179.2	1215.4	1247.5	1278.9	1279.7	1276.5
42.5°	982.0	987.6	971.9	1024.2	1076.0	1129.4	1172.0	1208.6	1240.7	1242.7	1239.1
45°	919.7	924.5	913.3	970.3	1020.1	1078.4	1127.4	1168.8	1201.3	1204.1	1202.9
47.5°	857.8	862.2	852.2	904.4	961.9	1023.7	1080.4	1126.2	1160.8	1164.0	1163.2
50°	797.1	800.8	789.9	844.6	901.6	967.5	1026.6	1079.6	1118.2	1121.4	1121.0
52.5°	736.9	740.5	731.2	788.7	840.5	910.0	974.3	1031.8	1070.0	1074.8	1075.6
55°	678.6	680.2	673.0	728.0	778.3	851.0	924.9	980.8	1018.9	1022.9	1025.4
57.5°	620.4	620.8	614.7	667.4	715.6	789.9	867.5	926.1	962.3	966.3	969.9
60°	562.5	562.1	555.3	606.3	652.5	726.0	806.8	865.0	900.0	903.6	908.4
62.5°	505.0	503.8	497.8	544.8	588.2	660.9	742.1	798.3	831.7	834.1	840.5
65°	448.0	446.8	441.2	484.6	523.9	593.4	673.0	726.4	756.6	759.8	758.6
67.5°	391.7	389.3	384.9	423.9	459.6	523.9	600.3	651.3	676.2	679.0	686.7
70°	335.5	332.7	322.6	364.0	395.4	452.8	523.9	569.3	590.2	593.0	591.8
72.5°	280.0	277.2	266.4	304.6	331.1	381.3	444.8	482.5	500.6	503.0	503.0
75°	226.2	224.6	217.8	246.7	268.8	309.8	363.6	395.0	409.0	411.8	411.0
77.5°	174.4	173.2	166.3	191.2	208.5	239.1	282.5	307.0	317.4	320.6	327.5
80°	125.0	124.6	113.7	138.2	145.8	171.6	203.3	222.2	227.8	232.2	237.1
82.5°	80.0	80.4	69.5	90.4	93.6	110.1	129.8	141.4	145.4	149.1	152.7
85°	39.0	40.6	34.6	47.8	48.2	56.7	65.1	69.5	71.1	73.9	77.1
87.5°	10.0	11.7	6.4	13.7	12.1	15.7	18.1	19.3	18.9	20.9	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5
2.5°	1685.9	1698.7	1692.3	1713.2	1721.2	1708.4	1730.9	1731.3	1715.2	1734.1	1744.6
5°	1659.8	1673.0	1669.0	1690.7	1700.8	1689.5	1716.8	1722.1	1706.4	1727.7	1744.6
7.5°	1633.3	1648.9	1643.7	1665.8	1677.9	1669.0	1698.3	1706.8	1694.7	1718.0	1740.5
10°	1610.4	1623.6	1618.0	1641.3	1651.7	1644.5	1673.4	1689.1	1677.9	1706.4	1733.3
12.5°	1587.9	1598.7	1592.3	1611.6	1621.6	1612.4	1647.7	1662.2	1654.1	1683.9	1718.4
15°	1558.9	1571.0	1562.1	1579.4	1587.1	1579.0	1607.9	1632.9	1622.8	1655.4	1693.5
17.5°	1536.8	1543.7	1531.6	1545.3	1549.7	1538.8	1568.2	1592.7	1585.4	1620.8	1665.0
20°	1512.3	1517.9	1501.1	1508.7	1508.3	1494.6	1521.6	1545.7	1540.8	1579.8	1630.0
22.5°	1485.0	1487.8	1468.1	1469.7	1468.9	1446.4	1470.5	1495.0	1493.0	1532.4	1588.7
25°	1456.1	1456.5	1431.2	1430.4	1421.5	1395.0	1416.3	1444.0	1438.0	1480.6	1539.6
27.5°	1427.5	1423.5	1393.0	1385.8	1371.7	1340.0	1358.8	1383.7	1380.1	1421.9	1487.4
30°	1397.0	1391.8	1354.4	1341.2	1320.7	1284.1	1299.8	1323.1	1325.1	1361.6	1430.4
32.5°	1368.1	1354.8	1313.4	1294.1	1268.4	1225.8	1234.3	1258.0	1261.2	1298.2	1368.9
35°	1330.7	1321.9	1270.8	1237.9	1212.6	1166.0	1174.8	1191.3	1196.1	1232.3	1304.2
37.5°	1295.4	1281.3	1227.1	1186.9	1154.3	1105.3	1107.7	1124.6	1129.4	1166.0	1237.1
40°	1258.8	1238.7	1180.4	1133.4	1096.1	1044.6	1041.8	1059.5	1063.1	1098.9	1163.2
42.5°	1219.8	1195.7	1130.2	1078.8	1035.8	983.6	977.9	993.2	997.2	1032.2	1095.3
45°	1180.4	1151.5	1078.8	1022.5	975.5	922.1	916.5	928.1	934.2	967.1	1027.8
47.5°	1138.7	1104.9	1025.8	963.1	914.5	861.0	854.2	865.8	870.7	903.2	960.7
50°	1094.9	1053.9	971.1	902.0	853.8	801.2	791.1	804.8	809.2	839.7	896.0
52.5°	1046.7	1001.2	912.9	840.5	792.3	742.1	730.0	743.3	748.5	778.3	830.1
55°	995.6	946.6	854.2	783.9	731.7	682.6	672.6	677.8	689.1	717.2	765.4
57.5°	938.2	889.6	792.3	720.8	670.6	623.6	615.1	620.0	630.4	657.7	701.1
60°	877.1	825.7	729.2	657.7	609.1	564.5	556.9	561.3	572.5	597.5	637.6
62.5°	816.8	759.0	664.2	593.0	548.8	507.5	505.4	503.8	514.3	538.4	573.7
65°	743.7	688.3	596.2	528.7	488.6	451.2	443.2	446.8	456.8	478.9	515.9
67.5°	665.4	615.1	526.7	464.5	428.7	395.4	388.5	390.1	400.6	419.9	452.0
70°	582.2	538.0	455.6	399.8	369.6	338.3	333.9	334.3	344.3	361.2	389.3
72.5°	495.0	455.2	383.7	335.9	311.0	288.5	284.5	279.6	288.9	303.3	327.5
75°	406.2	371.2	312.2	273.2	253.5	234.6	231.0	226.2	235.4	247.9	266.8
77.5°	316.6	288.5	242.7	212.5	197.3	183.2	180.0	174.8	184.0	193.3	208.1
80°	229.0	208.5	181.2	149.5	144.2	135.0	131.8	126.2	135.0	141.0	152.3
82.5°	147.9	134.2	118.5	96.4	95.6	88.8	87.2	80.8	88.8	92.4	100.8
85°	74.7	68.3	64.3	49.0	50.6	46.2	45.8	39.0	45.4	47.0	51.8
87.5°	21.3	22.5	20.1	12.1	15.3	14.5	14.5	10.4	14.5	14.5	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P837957

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-4STD-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5	1722.5
2.5°	1724.1	1730.9	1732.5	1732.1	1736.5	1760.6	1752.6	1760.6
5°	1728.1	1743.3	1747.4	1753.0	1760.2	1787.5	1778.7	1788.3
7.5°	1730.5	1753.4	1762.2	1773.1	1784.7	1815.3	1808.0	1817.7
10°	1730.5	1760.2	1773.1	1791.2	1806.8	1842.2	1835.4	1846.6
12.5°	1723.3	1761.4	1779.5	1804.8	1824.9	1863.1	1860.3	1868.3
15°	1708.4	1755.4	1780.3	1812.9	1837.8	1880.4	1879.1	1888.8
17.5°	1688.3	1745.0	1775.1	1816.1	1847.4	1895.2	1898.0	1903.3
20°	1663.0	1725.3	1764.6	1814.9	1854.2	1906.9	1910.5	1917.7
22.5°	1629.6	1701.6	1749.0	1809.6	1855.0	1911.7	1918.1	1925.0
25°	1590.3	1673.0	1728.5	1799.6	1851.0	1911.3	1920.1	1926.2
27.5°	1545.3	1636.1	1702.4	1783.5	1839.8	1904.9	1915.7	1922.9
30°	1493.0	1596.7	1672.6	1762.6	1824.5	1892.8	1904.5	1911.7
32.5°	1439.2	1553.3	1637.3	1735.7	1802.4	1873.5	1883.6	1889.2
35°	1380.5	1500.7	1594.7	1701.2	1773.9	1842.6	1850.2	1856.2
37.5°	1316.6	1443.6	1546.1	1662.2	1733.7	1799.6	1806.4	1813.3
40°	1250.8	1383.7	1491.4	1614.4	1685.9	1747.0	1754.2	1759.0
42.5°	1184.5	1317.5	1433.2	1558.1	1629.2	1687.9	1692.3	1697.1
45°	1117.4	1248.7	1367.7	1495.8	1566.2	1621.2	1622.8	1626.8
47.5°	1049.1	1177.6	1295.8	1424.7	1494.2	1544.5	1546.1	1549.3
50°	980.4	1106.5	1219.0	1348.0	1415.9	1468.9	1461.7	1464.9
52.5°	912.9	1031.8	1146.7	1265.2	1332.3	1379.3	1381.3	1374.9
55°	846.6	958.7	1064.3	1178.4	1242.3	1278.9	1277.7	1280.1
57.5°	779.5	884.7	981.6	1086.0	1148.3	1182.9	1190.1	1181.6
60°	711.2	810.0	896.8	991.2	1051.5	1080.4	1088.8	1080.8
62.5°	643.3	734.1	812.8	895.2	951.0	986.8	986.0	977.1
65°	575.4	657.7	728.0	797.9	846.6	882.3	880.7	872.7
67.5°	512.7	580.6	643.7	700.3	742.5	767.0	775.4	765.8
70°	443.6	502.2	557.7	603.1	638.0	660.1	668.2	659.7
72.5°	374.5	424.3	463.3	507.1	534.0	552.5	560.9	552.9
75°	306.2	347.1	378.9	413.0	431.9	447.6	457.2	449.2
77.5°	239.9	271.6	296.9	321.8	343.5	347.1	355.6	350.4
80°	176.8	199.7	218.2	234.6	250.3	251.9	258.7	255.5
82.5°	117.7	133.0	137.8	155.1	165.1	163.5	170.4	167.9
85°	62.3	71.5	80.0	85.2	90.8	85.6	91.6	89.2
87.5°	20.9	22.1	19.3	27.3	30.1	25.7	29.3	28.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)