

Classified  
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: FAIL-SAFE

Report Number: P838042

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-2HI-20-120-EDD**

Issue Date: 5/21/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P838042  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/21/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-4-INS-ASY2R-LD4-2HI-20-120-EDD  
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid  
Light Source: 2000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

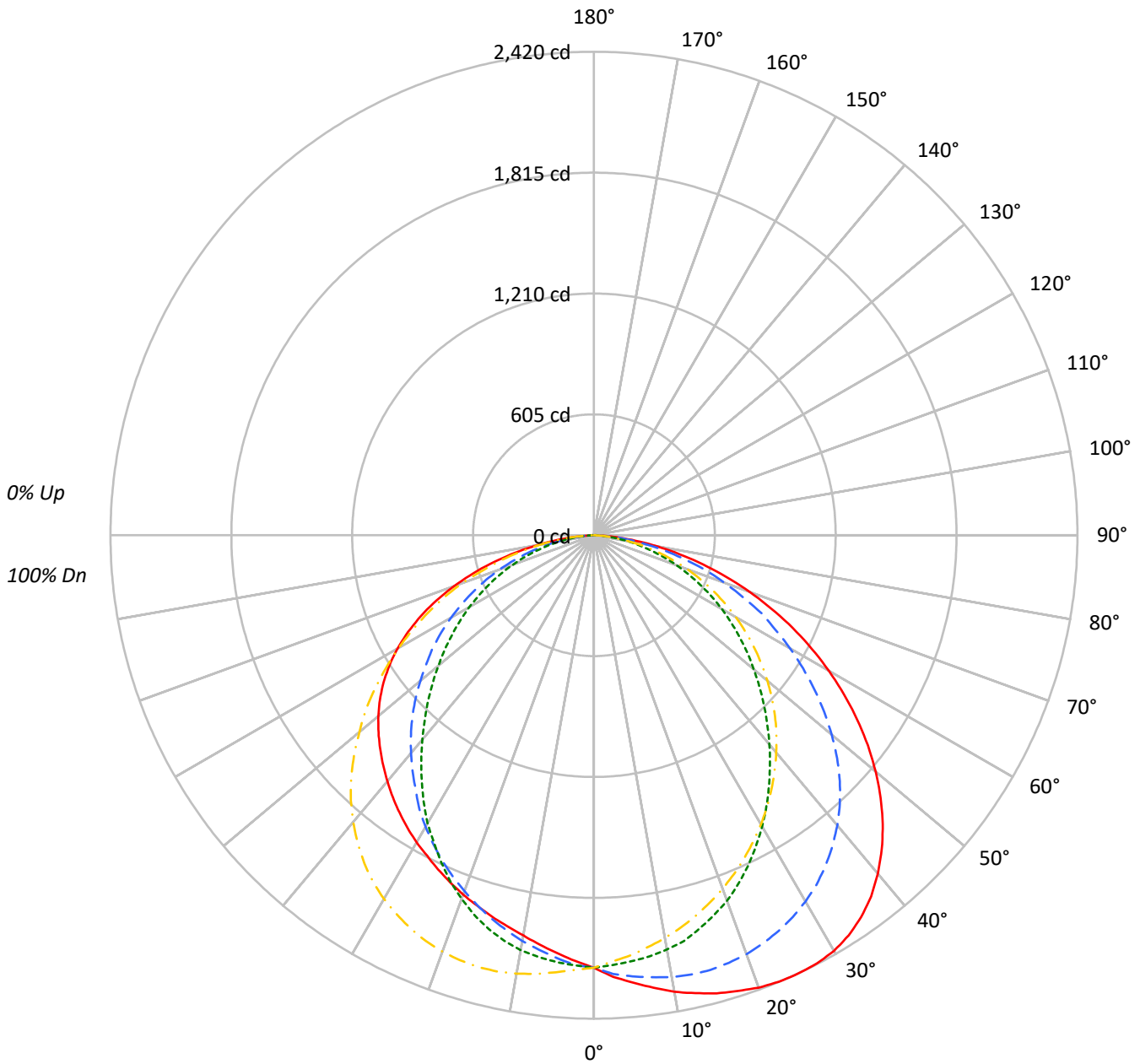
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6350.5 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 88  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - 90°-270°    - · · - 135°-315°

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	2912	2912	2912	2912
5°	3035	2891	2837	2896
10°	3171	2877	2779	2881
15°	3306	2840	2752	2841
20°	3451	2788	2740	2772
25°	3593	2711	2740	2683
30°	3732	2616	2758	2587
35°	3832	2509	2786	2469
40°	3883	2401	2824	2347
45°	3890	2291	2879	2234
50°	3853	2187	2950	2129
55°	3773	2089	3016	2031
60°	3655	1988	3056	1936
65°	3492	1871	3040	1828
70°	3262	1734	2932	1702
75°	2935	1546	2690	1538
80°	2488	1295	2261	1315
85°	1731	857	1434	881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.5	3.2
10°-20°	595.1	9.4
20°-30°	912.0	14.4
30°-40°	1109.0	17.5
40°-50°	1152.8	18.2
50°-60°	1041.4	16.4
60°-70°	791.7	12.5
70°-80°	441.4	7.0
80°-90°	101.6	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°	1712.6	27.0
0°-40°	2821.6	44.4
0°-60°	5015.8	79.0
0°-90°	6350.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6350.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2165	2165	2165	2165	2165	
5°	2247	2141	2100	2144	2247	217
15°	2374	2039	1976	2039	2374	673
25°	2420	1826	1846	1807	2420	1118
35°	2333	1527	1696	1503	2333	1457
45°	2044	1204	1513	1174	2044	1574
55°	1609	891	1286	866	1609	1436
65°	1097	588	955	574	1097	1084
75°	564	297	518	296	564	600
85°	112	56	93	57	112	141
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6
2.5°	2212.5	2180.2	2180.7	2209.0	2187.3	2197.9	2167.6	2179.2	2175.7	2178.2	2153.4
5°	2247.4	2212.5	2212.0	2236.3	2212.0	2216.6	2178.2	2185.8	2174.7	2167.6	2140.8
7.5°	2284.2	2249.4	2245.8	2267.1	2235.2	2231.7	2189.3	2189.3	2169.1	2151.4	2126.2
10°	2320.6	2284.7	2280.2	2296.3	2257.0	2245.3	2193.8	2185.8	2159.0	2132.7	2105.5
12.5°	2347.8	2311.5	2307.9	2318.0	2273.6	2252.4	2193.8	2178.2	2138.8	2101.9	2080.7
15°	2373.6	2336.2	2326.6	2331.7	2280.7	2252.4	2186.8	2162.5	2112.0	2063.6	2038.8
17.5°	2391.8	2355.9	2346.3	2345.8	2284.2	2243.8	2171.6	2138.3	2077.7	2019.1	1994.4
20°	2409.9	2374.1	2362.0	2352.9	2283.2	2232.2	2149.4	2104.5	2033.8	1968.1	1947.4
22.5°	2419.0	2382.2	2369.0	2355.4	2276.6	2211.0	2122.1	2065.1	1984.3	1906.0	1888.9
25°	2420.5	2382.7	2368.5	2348.8	2263.5	2185.8	2086.8	2017.6	1927.2	1840.4	1825.8
27.5°	2416.5	2375.1	2361.0	2337.2	2243.8	2155.0	2044.9	1963.6	1866.7	1770.7	1755.1
30°	2402.4	2360.5	2346.8	2316.0	2216.1	2117.1	1998.9	1903.5	1799.5	1697.5	1683.9
32.5°	2374.1	2333.2	2322.1	2291.3	2185.8	2073.2	1945.4	1838.9	1725.3	1627.8	1607.6
35°	2332.7	2291.8	2284.7	2252.4	2143.3	2020.7	1886.9	1768.2	1646.5	1547.0	1527.4
37.5°	2278.7	2244.3	2233.7	2201.9	2093.4	1961.1	1819.7	1691.5	1566.2	1459.2	1447.1
40°	2210.5	2178.2	2170.1	2141.8	2035.3	1894.9	1747.0	1612.2	1483.4	1384.0	1366.8
42.5°	2132.7	2102.4	2097.9	2068.6	1963.6	1821.7	1668.2	1529.9	1397.1	1301.2	1284.0
45°	2044.4	2015.1	2014.1	1986.3	1885.3	1740.4	1585.4	1446.6	1312.8	1213.3	1204.2
47.5°	1946.9	1920.7	1920.7	1894.9	1798.0	1651.1	1500.1	1359.7	1227.9	1140.1	1123.9
50°	1840.9	1816.2	1808.6	1796.0	1701.6	1553.6	1410.2	1274.9	1144.1	1060.3	1044.7
52.5°	1727.8	1706.6	1711.6	1688.4	1597.0	1452.1	1319.3	1179.5	1059.8	983.6	967.9
55°	1608.6	1578.4	1582.9	1574.3	1488.0	1347.6	1217.3	1100.7	977.0	905.3	890.7
57.5°	1484.9	1445.6	1461.7	1456.7	1371.8	1240.6	1123.9	1011.3	894.7	828.6	814.4
60°	1358.2	1320.3	1337.0	1332.5	1252.7	1133.5	1027.5	923.0	812.9	752.8	738.7
62.5°	1227.9	1193.1	1208.3	1204.7	1131.5	1024.0	931.6	835.6	730.6	676.6	663.5
65°	1096.7	1063.3	1077.0	1074.5	1006.8	925.0	833.1	745.2	647.8	600.8	587.7
67.5°	962.4	931.6	944.2	944.2	882.1	803.8	734.1	653.9	566.5	526.1	514.0
70°	829.1	800.3	811.4	810.4	757.9	694.3	634.2	562.5	484.2	450.9	440.8
72.5°	694.8	669.5	679.6	678.6	634.7	593.8	534.2	472.1	403.9	377.2	368.1
75°	564.5	540.8	550.4	549.3	513.5	475.1	435.2	383.7	325.2	306.5	297.4
77.5°	440.3	416.0	424.1	424.1	397.9	370.1	338.3	298.4	257.0	236.8	230.2
80°	321.1	309.5	305.5	306.0	288.3	270.1	254.0	215.6	185.3	171.7	167.1
82.5°	211.1	201.5	197.4	198.4	188.3	177.2	167.1	140.4	120.2	112.1	109.6
85°	112.1	105.0	101.5	104.0	102.0	95.9	90.9	72.7	60.1	57.1	55.5
87.5°	35.3	30.8	28.3	37.4	31.8	28.3	27.3	21.7	16.7	16.7	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6
2.5°	2161.5	2161.5	2141.8	2137.3	2135.3	2137.8	2118.1	2114.6	2142.8	2133.2	2111.5
5°	2144.4	2143.3	2115.6	2110.5	2110.5	2107.5	2085.3	2080.2	2108.5	2100.4	2076.7
7.5°	2123.2	2120.1	2087.3	2083.8	2078.7	2076.7	2052.0	2048.4	2072.7	2067.6	2045.4
10°	2097.4	2094.4	2055.5	2053.0	2047.4	2043.4	2020.1	2017.6	2042.4	2034.3	2016.6
12.5°	2063.6	2058.0	2018.1	2015.6	2011.1	2009.5	1986.8	1985.8	2013.1	2005.0	1986.3
15°	2019.1	2014.6	1970.2	1971.2	1971.7	1971.7	1953.5	1952.5	1979.3	1975.7	1955.5
17.5°	1970.2	1964.1	1921.7	1924.7	1928.3	1932.3	1918.2	1920.7	1949.0	1944.4	1926.2
20°	1914.6	1908.6	1867.2	1875.7	1883.3	1891.4	1882.3	1889.4	1915.6	1913.6	1900.0
22.5°	1852.5	1846.5	1808.1	1821.2	1833.8	1849.0	1844.9	1853.0	1880.8	1880.3	1868.2
25°	1776.8	1778.3	1744.5	1760.6	1781.8	1803.0	1804.6	1817.7	1848.5	1845.5	1834.3
27.5°	1706.1	1708.1	1672.3	1699.5	1727.8	1755.1	1761.6	1779.8	1811.1	1808.6	1799.0
30°	1631.9	1634.4	1599.6	1636.9	1671.3	1704.6	1718.7	1743.5	1775.3	1775.3	1765.2
32.5°	1554.6	1559.2	1522.8	1572.8	1612.7	1651.6	1676.3	1702.1	1738.4	1737.4	1728.8
35°	1475.4	1480.4	1447.1	1510.7	1550.6	1598.0	1628.8	1663.2	1695.5	1696.0	1689.4
37.5°	1394.6	1400.6	1370.3	1440.0	1485.4	1541.5	1580.9	1615.2	1651.1	1653.1	1647.0
40°	1314.3	1320.8	1294.6	1361.7	1419.3	1481.9	1527.4	1567.7	1607.1	1608.1	1604.1
42.5°	1234.0	1241.1	1221.4	1287.0	1352.2	1419.3	1472.8	1518.8	1559.2	1561.7	1557.1
45°	1155.7	1161.8	1147.7	1219.4	1282.0	1355.2	1416.8	1468.8	1509.7	1513.2	1511.7
47.5°	1078.0	1083.5	1070.9	1136.6	1208.8	1286.5	1357.7	1415.3	1458.7	1462.7	1461.7
50°	1001.7	1006.3	992.7	1061.3	1133.0	1215.8	1290.0	1356.7	1405.2	1409.2	1408.7
52.5°	926.0	930.6	918.9	991.1	1056.3	1143.6	1224.4	1296.6	1344.6	1350.6	1351.6
55°	852.8	854.8	845.7	914.9	978.0	1069.4	1162.3	1232.5	1280.5	1285.5	1288.5
57.5°	779.6	780.1	772.5	838.7	899.2	992.7	1090.1	1163.8	1209.3	1214.3	1218.9
60°	706.9	706.4	697.8	761.9	820.0	912.4	1013.9	1087.1	1131.0	1135.5	1141.6
62.5°	634.7	633.2	625.6	684.7	739.2	830.6	932.6	1003.3	1045.2	1048.2	1056.3
65°	563.0	561.5	554.4	608.9	658.4	745.8	845.7	912.9	950.7	954.8	953.3
67.5°	492.3	489.3	483.7	532.7	577.6	658.4	754.3	818.5	849.8	853.3	862.9
70°	421.6	418.1	405.4	457.4	496.8	569.0	658.4	715.5	741.7	745.2	743.7
72.5°	351.9	348.4	334.8	382.7	416.0	479.2	558.9	606.4	629.1	632.1	632.1
75°	284.3	282.2	273.7	310.0	337.8	389.3	456.9	496.3	514.0	517.5	516.5
77.5°	219.1	217.6	209.0	240.3	262.0	300.4	355.0	385.8	398.9	402.9	411.5
80°	157.0	156.5	142.9	173.7	183.3	215.6	255.5	279.2	286.3	291.8	297.9
82.5°	100.5	101.0	87.3	113.6	117.6	138.3	163.1	177.7	182.8	187.3	191.9
85°	49.0	51.0	43.4	60.1	60.6	71.2	81.8	87.3	89.4	92.9	96.9
87.5°	12.6	14.6	8.1	17.2	15.1	19.7	22.7	24.2	23.7	26.3	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6
2.5°	2118.6	2134.8	2126.7	2152.9	2163.0	2146.9	2175.2	2175.7	2155.5	2179.2	2192.3
5°	2085.8	2102.4	2097.4	2124.7	2137.3	2123.2	2157.5	2164.0	2144.4	2171.1	2192.3
7.5°	2052.5	2072.2	2065.6	2093.4	2108.5	2097.4	2134.3	2144.9	2129.7	2159.0	2187.3
10°	2023.7	2040.3	2033.3	2062.6	2075.7	2066.6	2103.0	2122.6	2108.5	2144.4	2178.2
12.5°	1995.4	2009.0	2001.0	2025.2	2037.8	2026.2	2070.6	2088.8	2078.7	2116.1	2159.5
15°	1959.1	1974.2	1963.1	1984.8	1994.4	1984.3	2020.7	2052.0	2039.3	2080.2	2128.2
17.5°	1931.3	1939.9	1924.7	1941.9	1947.4	1933.8	1970.7	2001.5	1992.4	2036.8	2092.4
20°	1900.5	1907.6	1886.3	1895.9	1895.4	1878.3	1912.1	1942.4	1936.3	1985.3	2048.4
22.5°	1866.2	1869.7	1844.9	1847.0	1846.0	1817.7	1848.0	1878.8	1876.2	1925.7	1996.4
25°	1829.8	1830.3	1798.5	1797.5	1786.4	1753.1	1779.8	1814.7	1807.1	1860.6	1934.8
27.5°	1793.9	1788.9	1750.5	1741.4	1723.8	1683.9	1707.6	1738.9	1734.4	1786.9	1869.2
30°	1755.6	1749.0	1702.1	1685.4	1659.6	1613.7	1633.4	1662.7	1665.2	1711.1	1797.5
32.5°	1719.2	1702.6	1650.6	1626.3	1594.0	1540.5	1551.1	1580.9	1584.9	1631.4	1720.2
35°	1672.3	1661.2	1597.0	1555.6	1523.8	1465.3	1476.4	1497.1	1503.1	1548.6	1638.9
37.5°	1627.8	1610.2	1542.0	1491.5	1450.6	1389.0	1392.0	1413.2	1419.3	1465.3	1554.6
40°	1581.9	1556.6	1483.4	1424.4	1377.4	1312.8	1309.2	1331.5	1336.0	1380.9	1461.7
42.5°	1532.9	1502.6	1420.3	1355.7	1301.7	1236.0	1229.0	1248.1	1253.2	1297.1	1376.4
45°	1483.4	1447.1	1355.7	1285.0	1225.9	1158.8	1151.7	1166.3	1173.9	1215.3	1291.6
47.5°	1430.9	1388.5	1289.0	1210.3	1149.2	1082.0	1073.4	1088.1	1094.1	1135.0	1207.2
50°	1375.9	1324.4	1220.4	1133.5	1072.9	1006.8	994.2	1011.3	1016.9	1055.3	1126.0
52.5°	1315.3	1258.2	1147.2	1056.3	995.7	932.6	917.4	934.1	940.6	978.0	1043.1
55°	1251.2	1189.6	1073.4	985.1	919.4	857.8	845.2	851.8	865.9	901.3	961.9
57.5°	1179.0	1117.9	995.7	905.8	842.7	783.6	773.0	779.1	792.2	826.5	881.1
60°	1102.2	1037.6	916.4	826.5	765.4	709.4	699.8	705.4	719.5	750.8	801.3
62.5°	1026.5	953.8	834.6	745.2	689.7	637.7	635.2	633.2	646.3	676.6	721.0
65°	934.6	864.9	749.3	664.5	614.0	567.0	556.9	561.5	574.1	601.9	648.3
67.5°	836.1	773.0	661.9	583.7	538.7	496.8	488.2	490.3	503.4	527.6	568.0
70°	731.6	676.1	572.6	502.4	464.5	425.1	419.6	420.1	432.7	453.9	489.3
72.5°	622.1	572.1	482.2	422.1	390.8	362.5	357.5	351.4	363.0	381.2	411.5
75°	510.5	466.5	392.3	343.3	318.6	294.9	290.3	284.3	295.9	311.5	335.3
77.5°	397.9	362.5	305.0	267.1	247.9	230.2	226.2	219.6	231.2	242.9	261.5
80°	287.8	262.0	227.7	187.8	181.3	169.7	165.6	158.5	169.7	177.2	191.4
82.5°	185.8	168.6	148.9	121.2	120.2	111.6	109.6	101.5	111.6	116.1	126.7
85°	93.9	85.8	80.8	61.6	63.6	58.1	57.6	49.0	57.1	59.1	65.1
87.5°	26.8	28.3	25.2	15.1	19.2	18.2	18.2	13.1	18.2	18.2	20.7
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: P838042

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-2HI-20-120-EDD

**CANDELA DISTRIBUTION (continued):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6	2164.6
2.5°	2166.6	2175.2	2177.2	2176.7	2182.2	2212.5	2202.4	2212.5
5°	2171.6	2190.8	2195.9	2202.9	2212.0	2246.3	2235.2	2247.4
7.5°	2174.7	2203.4	2214.5	2228.2	2242.8	2281.2	2272.1	2284.2
10°	2174.7	2212.0	2228.2	2250.9	2270.6	2315.0	2306.4	2320.6
12.5°	2165.6	2213.5	2236.3	2268.1	2293.3	2341.3	2337.7	2347.8
15°	2146.9	2206.0	2237.3	2278.2	2309.5	2363.0	2361.5	2373.6
17.5°	2121.6	2192.8	2230.7	2282.2	2321.6	2381.7	2385.2	2391.8
20°	2089.8	2168.1	2217.6	2280.7	2330.2	2396.3	2400.9	2409.9
22.5°	2047.9	2138.3	2197.9	2274.1	2331.2	2402.4	2410.4	2419.0
25°	1998.4	2102.4	2172.1	2261.5	2326.1	2401.9	2413.0	2420.5
27.5°	1941.9	2056.0	2139.3	2241.3	2312.0	2393.8	2407.4	2416.5
30°	1876.2	2006.5	2101.9	2215.0	2292.8	2378.6	2393.3	2402.4
32.5°	1808.6	1952.0	2057.5	2181.2	2265.0	2354.4	2367.0	2374.1
35°	1734.9	1885.8	2004.0	2137.8	2229.2	2315.5	2325.1	2332.7
37.5°	1654.6	1814.1	1942.9	2088.8	2178.7	2261.5	2270.1	2278.7
40°	1571.8	1738.9	1874.2	2028.7	2118.6	2195.4	2204.4	2210.5
42.5°	1488.5	1655.6	1801.0	1958.0	2047.4	2121.1	2126.7	2132.7
45°	1404.2	1569.3	1718.7	1879.8	1968.1	2037.3	2039.3	2044.4
47.5°	1318.3	1479.9	1628.3	1790.4	1877.8	1940.9	1942.9	1946.9
50°	1232.0	1390.5	1531.9	1694.0	1779.3	1846.0	1836.9	1840.9
52.5°	1147.2	1296.6	1441.0	1590.0	1674.3	1733.4	1735.9	1727.8
55°	1063.8	1204.7	1337.5	1480.9	1561.2	1607.1	1605.6	1608.6
57.5°	979.5	1111.8	1233.5	1364.8	1443.0	1486.5	1495.5	1484.9
60°	893.7	1017.9	1127.0	1245.6	1321.4	1357.7	1368.3	1358.2
62.5°	808.4	922.5	1021.4	1124.9	1195.1	1240.1	1239.1	1227.9
65°	723.0	826.5	914.9	1002.8	1063.8	1108.8	1106.8	1096.7
67.5°	644.3	729.6	808.9	880.1	933.1	963.9	974.5	962.4
70°	557.4	631.1	700.8	757.9	801.8	829.6	839.7	829.1
72.5°	470.6	533.2	582.2	637.2	671.0	694.3	704.9	694.8
75°	384.7	436.2	476.1	519.0	542.8	562.5	574.6	564.5
77.5°	301.4	341.3	373.1	404.4	431.7	436.2	446.8	440.3
80°	222.2	250.9	274.2	294.9	314.6	316.6	325.2	321.1
82.5°	147.9	167.1	173.2	194.9	207.5	205.5	214.1	211.1
85°	78.3	89.9	100.5	107.0	114.1	107.5	115.1	112.1
87.5°	26.3	27.8	24.2	34.3	37.9	32.3	36.9	35.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)