

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: METALUX

Report Number: P201353

Luminaire Tested: **4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P201353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28237)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U  
Description: 4 ft. Low Bay Linear, 10000 lm, Frst Asym lens, 5K  
Light Source: (308) 5000K CCT, 80 CRI LEDS  
2UT217098A8504C, 2UT217056A8504B  
Ballast/Driver: OSRAM  
OT50W0100CC, OT50W0760CC

**Summary**

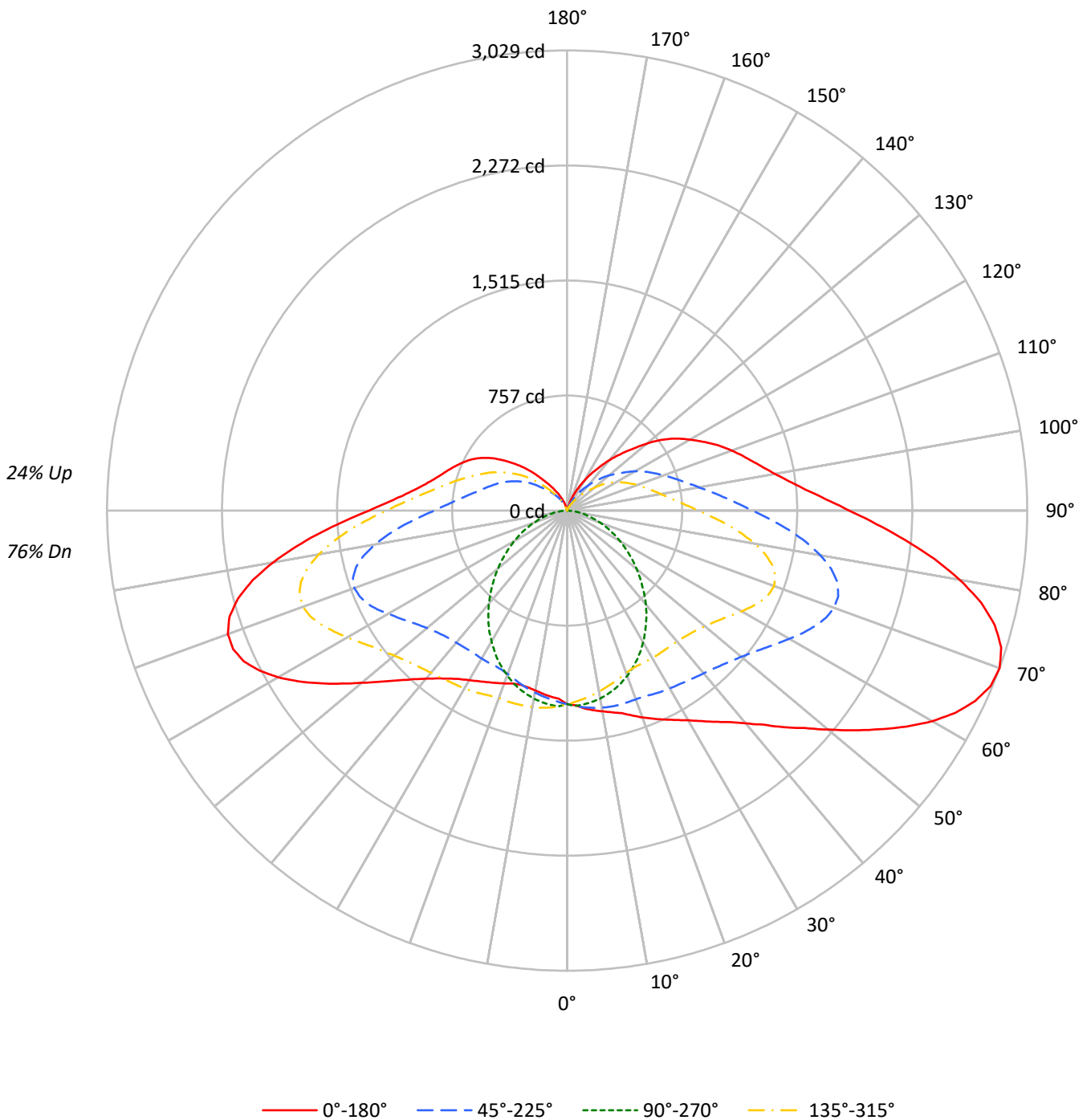
Lumens per Lamp: N/A  
Luminaire Lumens: 10991.1 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 2 / 1.17 / 1.77  
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.17' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 82.8  
Input Voltage (V): NR  
Input 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: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

### Luminous Intensity Polar Plot





TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

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

RF	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	0
RCR																		
0	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	98	90	84	78	92	86	80	75	77	72	68	69	65	62	61	59	56	52
2	86	75	66	59	81	71	63	56	64	57	51	57	51	46	50	46	42	38
3	77	64	54	46	72	61	51	44	54	46	40	48	42	36	42	37	33	29
4	70	55	45	37	65	52	43	35	47	39	32	41	35	29	37	31	27	23
5	63	49	38	31	59	46	37	29	41	33	27	37	30	24	32	27	22	19
6	58	43	33	26	54	41	32	25	37	29	23	33	26	21	29	23	19	16
7	54	39	29	22	50	37	28	21	33	25	20	29	23	18	26	20	16	14
8	50	35	26	19	47	33	25	19	30	22	17	27	20	16	24	18	14	12
9	46	32	23	17	43	30	22	16	27	20	15	25	18	14	22	17	13	10
10	43	29	21	15	41	28	20	15	25	18	13	23	17	12	20	15	11	9

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

	0°	90°	180°	270°
0°	20532	20532	20532	20532
5°	19072	20617	17930	20668
10°	18004	20371	16129	20389
15°	17268	19985	14853	19985
20°	17103	19477	14283	19424
25°	17065	18839	14014	18803
30°	17258	18079	13949	17965
35°	17829	17192	14178	17133
40°	18805	16237	14855	16153
45°	20460	15122	16033	15100
50°	22629	14090	17796	14041
55°	25373	12989	20045	12963
60°	28312	11909	22411	11879
65°	30792	10740	24397	10775
70°	32276	9465	25327	9465
75°	32126	8050	24730	8160
80°	30214	6428	22624	6579
85°	27111	4233	19678	4476



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	1.1
10°-20°	352.8	3.2
20°-30°	568.0	5.2
30°-40°	768.7	7.0
40°-50°	985.2	9.0
50°-60°	1259.2	11.5
60°-70°	1538.8	14.0
70°-80°	1572.5	14.3
80°-90°	1232.7	11.2
90°-100°	859.7	7.8
100°-110°	640.5	5.8
110°-120°	479.9	4.4
120°-130°	326.1	3.0
130°-140°	181.0	1.6
140°-150°	78.3	0.7
150°-160°	23.9	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	1041.7	9.5
0°-40°	1810.5	16.5
0°-60°	4054.8	36.9
0°-90°	8398.9	76.4
90°-120°	1980.2	18.0
90°-150°	2565.7	23.3
90°-180°	2592.0	23.6
0°-180°	10991.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1274	1274	1274	1274	1274	
5°	1308	1280	1229	1284	1308	126
15°	1381	1215	1188	1215	1381	395
25°	1517	1085	1246	1083	1517	705
35°	1697	906	1349	903	1697	1072
45°	2016	698	1580	697	2016	1569
55°	2510	497	1983	496	2510	2256
65°	2965	313	2349	314	2965	2921
75°	2915	154	2244	156	2915	3047
85°	2234	36	1622	39	2234	1907
90°	1855	0	1303	1	1855	1021
95°	1577	0	1093	1	1577	1252
105°	1260	0	873	1	1260	1338
115°	1046	0	753	1	1046	1039
125°	823	0	600	1	823	736
135°	549	0	396	1	549	431
145°	324	0	210	1	324	208
155°	147	0	95	2	147	71
165°	25	0	19	2	25	9
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1282.5	1282.4	1282.3	1282.2	1282.1	1281.9	1281.8	1281.7	1281.6	1281.5	1282.3
5°	1307.6	1306.6	1305.5	1304.5	1303.4	1302.4	1301.3	1300.3	1299.2	1298.2	1298.4
7.5°	1325.3	1323.9	1322.5	1321.1	1319.7	1318.4	1317.0	1315.6	1314.2	1312.8	1312.4
10°	1342.0	1340.1	1338.3	1336.4	1334.6	1332.7	1330.9	1329.0	1327.2	1325.3	1324.4
12.5°	1359.7	1357.4	1355.1	1352.8	1350.5	1348.1	1345.8	1343.5	1341.2	1338.9	1337.0
15°	1380.6	1378.0	1375.5	1372.9	1370.4	1367.8	1365.3	1362.7	1360.2	1357.6	1353.9
17.5°	1413.0	1409.1	1405.1	1401.2	1397.2	1393.3	1389.3	1385.4	1381.4	1377.5	1371.4
20°	1449.5	1444.0	1438.6	1433.1	1427.7	1422.2	1416.8	1411.3	1405.9	1400.4	1391.7
22.5°	1482.9	1476.8	1470.6	1464.5	1458.3	1452.2	1446.0	1439.9	1433.7	1427.6	1416.1
25°	1517.3	1510.7	1504.1	1497.5	1490.9	1484.2	1477.6	1471.0	1464.4	1457.8	1444.0
27.5°	1553.8	1546.4	1539.0	1531.5	1524.1	1516.7	1509.3	1501.8	1494.4	1487.0	1471.1
30°	1594.5	1585.8	1577.1	1568.4	1559.7	1551.1	1542.4	1533.7	1525.0	1516.3	1498.0
32.5°	1642.5	1632.2	1621.9	1611.6	1601.3	1590.9	1580.6	1570.3	1560.0	1549.7	1528.6
35°	1696.8	1685.0	1673.2	1661.3	1649.5	1637.7	1625.9	1614.0	1602.2	1590.4	1565.9
37.5°	1754.2	1741.1	1728.0	1714.9	1701.8	1688.7	1675.6	1662.5	1649.4	1636.3	1608.2
40°	1828.3	1813.0	1797.7	1782.4	1767.1	1751.7	1736.4	1721.1	1705.8	1690.5	1658.0
42.5°	1910.7	1893.3	1875.9	1858.5	1841.1	1823.8	1806.4	1789.0	1771.6	1754.2	1716.6
45°	2016.1	1995.3	1974.6	1953.8	1933.1	1912.3	1891.6	1870.8	1850.1	1829.3	1785.8
47.5°	2118.4	2095.9	2073.4	2050.9	2028.4	2005.9	1983.4	1960.9	1938.4	1915.9	1865.8
50°	2242.6	2217.2	2191.8	2166.4	2141.0	2115.6	2090.2	2064.8	2039.4	2014.0	1956.5
52.5°	2375.1	2347.3	2319.4	2291.6	2263.8	2235.9	2208.1	2180.3	2152.4	2124.6	2059.1
55°	2509.7	2479.8	2449.9	2420.0	2390.1	2360.1	2330.2	2300.3	2270.4	2240.5	2167.2
57.5°	2646.4	2614.9	2583.3	2551.8	2520.3	2488.7	2457.2	2425.7	2394.1	2362.6	2281.4
60°	2773.7	2741.2	2708.8	2676.3	2643.8	2611.4	2578.9	2546.4	2514.0	2481.5	2393.4
62.5°	2881.2	2849.1	2817.0	2784.8	2752.7	2720.6	2688.5	2656.3	2624.2	2592.1	2498.2
65°	2964.7	2933.5	2902.3	2871.1	2839.9	2808.8	2777.6	2746.4	2715.2	2684.0	2585.8
67.5°	3016.9	2986.7	2956.6	2926.4	2896.3	2866.1	2836.0	2805.8	2775.7	2745.5	2645.3
70°	3029.4	3000.9	2972.4	2943.8	2915.3	2886.8	2858.3	2829.7	2801.2	2772.7	2672.4
72.5°	2996.0	2969.1	2942.2	2915.3	2888.4	2861.5	2834.6	2807.7	2780.8	2753.9	2655.8
75°	2914.6	2889.4	2864.3	2839.1	2814.0	2788.8	2763.7	2738.5	2713.4	2688.2	2594.3
77.5°	2789.4	2765.6	2741.9	2718.1	2694.3	2670.6	2646.8	2623.0	2599.3	2575.5	2487.4
80°	2625.5	2603.4	2581.2	2559.1	2536.9	2514.8	2492.6	2470.5	2448.3	2426.2	2344.7
82.5°	2437.7	2417.1	2396.4	2375.8	2355.2	2334.5	2313.9	2293.3	2272.6	2252.0	2177.9
85°	2234.2	2215.2	2196.2	2177.2	2158.2	2139.1	2120.1	2101.1	2082.1	2063.1	1996.5
87.5°	2037.0	2018.7	2000.4	1982.0	1963.7	1945.4	1927.1	1908.7	1890.4	1872.1	1812.7
90°	1855.4	1838.4	1821.3	1804.3	1787.2	1770.2	1753.1	1736.1	1719.0	1702.0	1648.3
92.5°	1704.1	1688.0	1671.9	1655.7	1639.6	1623.5	1607.4	1591.2	1575.1	1559.0	1510.1
95°	1576.8	1561.6	1546.4	1531.2	1516.0	1500.9	1485.7	1470.5	1455.3	1440.1	1394.5
97.5°	1473.5	1458.7	1443.8	1429.0	1414.1	1399.3	1384.4	1369.6	1354.7	1339.9	1296.7
100°	1387.9	1373.3	1358.7	1344.1	1329.5	1314.8	1300.2	1285.6	1271.0	1256.4	1214.7
102.5°	1319.0	1304.4	1289.8	1275.2	1260.6	1245.9	1231.3	1216.7	1202.1	1187.5	1146.8
105°	1259.6	1245.1	1230.6	1216.1	1201.6	1187.1	1172.6	1158.1	1143.6	1129.1	1089.0
107.5°	1206.3	1191.7	1177.1	1162.5	1147.9	1133.2	1118.6	1104.0	1089.4	1074.8	1035.6
110°	1154.2	1139.7	1125.2	1110.7	1096.2	1081.7	1067.2	1052.7	1038.2	1023.7	985.2



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1102.0	1087.4	1072.8	1058.2	1043.6	1028.9	1014.3	999.7	985.1	970.5	933.3
115°	1045.6	1031.3	1017.1	1002.8	988.6	974.3	960.1	945.8	931.6	917.3	881.7
117.5°	988.2	974.5	960.8	947.2	933.5	919.8	906.1	892.5	878.8	865.1	831.0
120°	932.9	920.0	907.2	894.3	881.4	868.6	855.7	842.8	830.0	817.1	783.9
122.5°	880.7	868.2	855.7	843.1	830.6	818.1	805.6	793.0	780.5	768.0	735.2
125°	823.4	811.2	799.0	786.9	774.7	762.5	750.3	738.2	726.0	713.8	682.5
127.5°	759.7	747.9	736.1	724.2	712.4	700.6	688.8	676.9	665.1	653.3	624.7
130°	687.7	676.7	665.7	654.7	643.7	632.6	621.6	610.6	599.6	588.6	563.2
132.5°	613.6	604.2	594.8	585.4	576.0	566.7	557.3	547.9	538.5	529.1	506.4
135°	548.9	540.9	532.9	524.9	516.9	508.9	500.9	492.9	484.9	476.9	455.9
137.5°	490.5	483.2	475.9	468.6	461.3	453.9	446.6	439.3	432.0	424.7	405.6
140°	433.1	426.5	419.9	413.3	406.7	400.0	393.4	386.8	380.2	373.6	356.2
142.5°	377.8	371.9	366.0	360.0	354.1	348.2	342.3	336.3	330.4	324.5	309.2
145°	324.5	319.5	314.5	309.6	304.6	299.6	294.6	289.7	284.7	279.7	266.2
147.5°	276.5	271.8	267.0	262.3	257.5	252.8	248.0	243.3	238.5	233.8	222.4
150°	228.5	224.7	220.9	217.0	213.2	209.4	205.6	201.7	197.9	194.1	184.2
152.5°	186.8	183.4	180.1	176.7	173.3	170.0	166.6	163.2	159.9	156.5	148.2
155°	147.1	144.3	141.5	138.8	136.0	133.2	130.4	127.7	124.9	122.1	114.8
157.5°	110.6	108.4	106.2	104.0	101.8	99.6	97.4	95.2	93.0	90.8	84.9
160°	77.2	75.2	73.3	71.3	69.3	67.4	65.4	63.4	61.5	59.5	55.4
162.5°	45.9	44.7	43.6	42.4	41.3	40.1	39.0	37.8	36.7	35.5	33.1
165°	25.0	24.3	23.6	22.9	22.2	21.6	20.9	20.2	19.5	18.8	17.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1283.1	1283.9	1284.7	1285.6	1286.4	1287.2	1288.0	1288.8	1287.1	1285.3	1283.6
5°	1298.6	1298.9	1299.1	1299.3	1299.5	1299.8	1300.0	1300.2	1297.5	1294.9	1292.2
7.5°	1312.1	1311.7	1311.4	1311.0	1310.7	1310.3	1310.0	1309.6	1305.8	1302.0	1298.1
10°	1323.4	1322.5	1321.6	1320.6	1319.7	1318.8	1317.8	1316.9	1311.6	1306.2	1300.9
12.5°	1335.2	1333.3	1331.5	1329.6	1327.8	1325.9	1324.1	1322.2	1315.4	1308.5	1301.7
15°	1350.2	1346.5	1342.8	1339.1	1335.4	1331.7	1328.0	1324.3	1316.1	1307.8	1299.6
17.5°	1365.2	1359.1	1352.9	1346.8	1340.6	1334.5	1328.3	1322.2	1312.5	1302.7	1293.0
20°	1383.0	1374.3	1365.6	1357.0	1348.3	1339.6	1330.9	1322.2	1310.4	1298.5	1286.7
22.5°	1404.6	1393.2	1381.7	1370.2	1358.7	1347.3	1335.8	1324.3	1309.9	1295.5	1281.2
25°	1430.2	1416.4	1402.6	1388.8	1375.0	1361.2	1347.4	1333.6	1315.5	1297.4	1279.3
27.5°	1455.2	1439.4	1423.5	1407.6	1391.7	1375.9	1360.0	1344.1	1322.0	1299.8	1277.7
30°	1479.7	1461.3	1443.0	1424.7	1406.4	1388.0	1369.7	1351.4	1325.4	1299.4	1273.5
32.5°	1507.5	1486.4	1465.3	1444.1	1423.0	1401.9	1380.8	1359.7	1329.7	1299.7	1269.6
35°	1541.5	1517.0	1492.5	1468.1	1443.6	1419.1	1394.7	1370.2	1335.9	1301.6	1267.2
37.5°	1580.2	1552.1	1524.0	1496.0	1467.9	1439.8	1411.8	1383.7	1345.1	1306.5	1267.9
40°	1625.6	1593.1	1560.6	1528.2	1495.7	1463.2	1430.8	1398.3	1355.8	1313.2	1270.7
42.5°	1679.1	1641.5	1603.9	1566.4	1528.8	1491.2	1453.7	1416.1	1369.3	1322.4	1275.6
45°	1742.3	1698.9	1655.4	1611.9	1568.4	1525.0	1481.5	1438.0	1386.4	1334.8	1283.2
47.5°	1815.7	1765.6	1715.5	1665.5	1615.4	1565.3	1515.2	1465.1	1408.1	1351.0	1294.0
50°	1899.0	1841.5	1784.0	1726.4	1668.9	1611.4	1553.9	1496.4	1433.6	1370.7	1307.9
52.5°	1993.6	1928.1	1862.6	1797.0	1731.5	1666.0	1600.5	1535.0	1465.9	1396.8	1327.7
55°	2093.9	2020.7	1947.4	1874.1	1800.8	1727.6	1654.3	1581.0	1504.7	1428.4	1352.1
57.5°	2200.3	2119.1	2037.9	1956.8	1875.6	1794.4	1713.3	1632.1	1548.4	1464.7	1381.0
60°	2305.3	2217.1	2129.0	2040.9	1952.8	1864.6	1776.5	1688.4	1596.8	1505.2	1413.6
62.5°	2404.3	2310.4	2216.5	2122.5	2028.6	1934.7	1840.8	1746.9	1647.2	1547.5	1447.7
65°	2487.6	2389.4	2291.2	2192.9	2094.7	1996.5	1898.3	1800.1	1692.8	1585.6	1478.3
67.5°	2545.1	2445.0	2344.8	2244.6	2144.4	2044.3	1944.1	1843.9	1730.0	1616.2	1502.3
70°	2572.1	2471.8	2371.5	2271.2	2170.9	2070.6	1970.3	1870.0	1751.0	1632.1	1513.1
72.5°	2557.7	2459.6	2361.5	2263.5	2165.4	2067.3	1969.2	1871.1	1749.5	1627.8	1506.2
75°	2500.4	2406.4	2312.5	2218.6	2124.7	2030.7	1936.8	1842.9	1721.3	1599.6	1478.0
77.5°	2399.3	2311.1	2223.0	2134.9	2046.8	1958.6	1870.5	1782.4	1663.9	1545.4	1426.9
80°	2263.2	2181.7	2100.2	2018.6	1937.1	1855.6	1774.1	1692.6	1579.9	1467.2	1354.5
82.5°	2103.8	2029.7	1955.6	1881.5	1807.4	1733.3	1659.2	1585.1	1479.6	1374.1	1268.6
85°	1930.0	1863.4	1796.9	1730.3	1663.8	1597.2	1530.7	1464.1	1367.0	1270.0	1172.9
87.5°	1753.4	1694.0	1634.6	1575.3	1515.9	1456.5	1397.2	1337.8	1249.7	1161.6	1073.4
90°	1594.6	1541.0	1487.3	1433.6	1379.9	1326.3	1272.6	1218.9	1138.8	1058.7	978.5
92.5°	1461.2	1412.2	1363.3	1314.4	1265.5	1216.5	1167.6	1118.7	1045.8	972.8	899.9
95°	1349.0	1303.4	1257.8	1212.3	1166.7	1121.1	1075.6	1030.0	963.1	896.2	829.3
97.5°	1253.4	1210.2	1166.9	1123.7	1080.4	1037.2	993.9	950.7	888.8	826.9	764.9
100°	1172.9	1131.2	1089.4	1047.7	1005.9	964.2	922.4	880.7	823.1	765.5	707.8
102.5°	1106.1	1065.4	1024.7	984.1	943.4	902.7	862.0	821.3	766.7	712.1	657.5
105°	1048.9	1008.7	968.6	928.5	888.4	848.2	808.1	768.0	716.1	664.1	612.2
107.5°	996.4	957.2	918.0	878.9	839.7	800.5	761.3	722.1	672.4	622.6	572.9
110°	946.7	908.2	869.7	831.3	792.8	754.3	715.8	677.3	629.6	582.0	534.3





TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	896.1	858.8	821.6	784.4	747.2	709.9	672.7	635.5	589.6	543.7	497.8
115°	846.1	810.5	774.9	739.3	703.7	668.1	632.5	596.9	553.1	509.2	465.4
117.5°	796.9	762.8	728.7	694.7	660.6	626.5	592.4	558.3	516.7	475.1	433.4
120°	750.8	717.6	684.4	651.3	618.1	584.9	551.8	518.6	479.5	440.5	401.4
122.5°	702.4	669.6	636.8	603.9	571.1	538.3	505.5	472.7	436.9	401.1	365.2
125°	651.2	619.9	588.6	557.2	525.9	494.6	463.3	432.0	398.8	365.7	332.5
127.5°	596.0	567.4	538.7	510.1	481.4	452.8	424.1	395.5	364.8	334.1	303.3
130°	537.8	512.4	487.0	461.6	436.2	410.8	385.4	360.0	331.5	303.0	274.4
132.5°	483.6	460.9	438.2	415.4	392.7	370.0	347.2	324.5	298.4	272.3	246.2
135°	434.9	413.9	392.9	372.0	351.0	330.0	309.0	288.0	264.3	240.7	217.0
137.5°	386.4	367.3	348.2	329.0	309.9	290.8	271.6	252.5	231.2	209.8	188.5
140°	338.8	321.4	304.0	286.7	269.3	251.9	234.5	217.1	198.2	179.3	160.4
142.5°	293.9	278.6	263.3	248.0	232.7	217.4	202.1	186.8	170.0	153.2	136.4
145°	252.8	239.3	225.9	212.4	199.0	185.5	172.1	158.6	144.0	129.4	114.8
147.5°	211.1	199.7	188.3	177.0	165.6	154.2	142.9	131.5	119.1	106.7	94.3
150°	174.4	164.5	154.7	144.8	135.0	125.1	115.3	105.4	95.3	85.2	75.1
152.5°	139.8	131.5	123.1	114.8	106.4	98.1	89.7	81.4	73.5	65.6	57.7
155°	107.5	100.2	92.9	85.6	78.3	71.0	63.7	56.4	50.9	45.5	40.0
157.5°	79.0	73.1	67.2	61.2	55.3	49.4	43.5	37.6	33.9	30.2	26.5
160°	51.4	47.3	43.3	39.2	35.2	31.1	27.1	23.0	20.7	18.4	16.0
162.5°	30.6	28.2	25.8	23.3	20.9	18.5	16.0	13.6	12.2	10.8	9.4
165°	16.2	15.0	13.7	12.4	11.1	9.9	8.6	7.3	6.5	5.7	4.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLELD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1281.8	1280.1	1278.3	1276.6	1274.8	1273.1	1274.6	1276.1	1277.6	1279.1	1280.7
5°	1289.5	1286.9	1284.2	1281.5	1278.9	1276.2	1276.7	1277.1	1277.6	1278.1	1278.5
7.5°	1294.3	1290.5	1286.7	1282.8	1279.0	1275.2	1274.6	1274.0	1273.5	1272.9	1272.3
10°	1295.6	1290.2	1284.9	1279.6	1274.2	1268.9	1267.5	1266.1	1264.7	1263.3	1262.0
12.5°	1294.8	1288.0	1281.1	1274.3	1267.4	1260.6	1257.9	1255.3	1252.6	1249.9	1247.3
15°	1291.4	1283.1	1274.9	1266.7	1258.4	1250.2	1246.3	1242.3	1238.4	1234.4	1230.5
17.5°	1283.2	1273.5	1263.7	1254.0	1244.2	1234.5	1229.3	1224.1	1218.8	1213.6	1208.4
20°	1274.9	1263.0	1251.2	1239.4	1227.5	1215.7	1209.2	1202.7	1196.2	1189.7	1183.3
22.5°	1266.8	1252.4	1238.0	1223.7	1209.3	1194.9	1186.9	1178.9	1170.9	1162.9	1154.8
25°	1261.2	1243.2	1225.1	1207.0	1188.9	1170.8	1161.3	1151.8	1142.3	1132.8	1123.3
27.5°	1255.5	1233.4	1211.2	1189.1	1166.9	1144.8	1133.7	1122.5	1111.4	1100.3	1089.1
30°	1247.5	1221.5	1195.5	1169.6	1143.6	1117.6	1104.6	1091.6	1078.7	1065.7	1052.7
32.5°	1239.6	1209.6	1179.6	1149.5	1119.5	1089.5	1074.4	1059.3	1044.3	1029.2	1014.1
35°	1232.9	1198.6	1164.3	1129.9	1095.6	1061.3	1044.0	1026.7	1009.5	992.2	974.9
37.5°	1229.3	1190.6	1152.0	1113.4	1074.8	1036.2	1016.3	996.3	976.4	956.4	936.5
40°	1228.1	1185.6	1143.0	1100.5	1057.9	1015.4	992.1	968.8	945.5	922.2	898.8
42.5°	1228.7	1181.9	1135.0	1088.2	1041.3	994.5	967.7	940.9	914.1	887.3	860.6
45°	1231.6	1180.0	1128.4	1076.8	1025.2	973.6	943.0	912.4	881.8	851.2	820.5
47.5°	1236.9	1179.9	1122.8	1065.8	1008.7	951.7	917.8	884.0	850.1	816.3	782.4
50°	1245.0	1182.2	1119.3	1056.5	993.6	930.8	893.7	856.6	819.5	782.4	745.3
52.5°	1258.6	1189.5	1120.4	1051.3	982.2	913.1	872.4	831.7	791.0	750.3	709.6
55°	1275.8	1199.5	1123.2	1046.9	970.6	894.3	850.1	805.9	761.8	717.6	673.4
57.5°	1297.3	1213.5	1129.8	1046.1	962.4	878.7	830.8	782.9	735.0	687.1	639.3
60°	1322.0	1230.4	1138.8	1047.2	955.6	864.0	812.8	761.5	710.3	659.0	607.8
62.5°	1348.0	1248.3	1148.6	1048.8	949.1	849.4	794.7	740.0	685.2	630.5	575.8
65°	1371.1	1263.8	1156.6	1049.3	942.1	834.8	776.8	718.9	660.9	602.9	545.0
67.5°	1388.5	1274.6	1160.8	1046.9	933.1	819.2	758.3	697.4	636.6	575.7	514.8
70°	1394.2	1275.2	1156.3	1037.3	918.4	799.4	736.1	672.8	609.5	546.2	482.8
72.5°	1384.6	1262.9	1141.3	1019.7	898.0	776.4	711.4	646.3	581.3	516.2	451.2
75°	1356.4	1234.7	1113.1	991.5	869.8	748.2	682.2	616.2	550.3	484.3	418.3
77.5°	1308.4	1189.9	1071.4	952.9	834.4	715.9	649.8	583.7	517.6	451.5	385.5
80°	1241.8	1129.1	1016.4	903.7	791.0	678.3	612.9	547.5	482.1	416.7	351.3
82.5°	1163.1	1057.5	952.0	846.5	741.0	635.5	571.7	508.0	444.2	380.4	316.7
85°	1075.9	978.8	881.8	784.7	687.7	590.6	529.0	467.5	405.9	344.3	282.8
87.5°	985.3	897.2	809.1	720.9	632.8	544.7	485.7	426.7	367.7	308.7	249.6
90°	898.4	818.3	738.2	658.0	577.9	497.8	442.5	387.2	331.9	276.6	221.2
92.5°	827.0	754.0	681.1	608.2	535.2	462.3	410.9	359.6	308.2	256.8	205.5
95°	762.4	695.5	628.6	561.7	494.8	427.9	380.4	332.8	285.3	237.7	190.2
97.5°	703.0	641.1	579.2	517.2	455.3	393.4	349.7	306.0	262.3	218.6	174.8
100°	650.2	592.6	535.0	477.3	419.7	362.1	321.9	281.6	241.4	201.2	160.9
102.5°	602.9	548.2	493.6	439.0	384.4	329.8	293.2	256.5	219.9	183.2	146.6
105°	560.2	508.3	456.3	404.4	352.4	300.5	267.1	233.7	200.3	166.9	133.6
107.5°	523.2	473.4	423.7	374.0	324.2	274.5	244.0	213.5	183.0	152.5	122.0
110°	486.7	439.0	391.4	343.7	296.1	248.4	220.8	193.2	165.6	138.0	110.4



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	451.9	405.9	360.0	314.1	268.2	222.3	197.6	172.9	148.2	123.5	98.8
115°	421.6	377.7	333.9	290.1	246.2	202.4	179.9	157.4	134.9	112.4	90.0
117.5°	391.8	350.2	308.6	266.9	225.3	183.7	163.3	142.9	122.5	102.1	81.6
120°	362.3	323.3	284.2	245.1	206.1	167.0	148.4	129.9	111.3	92.8	74.2
122.5°	329.4	293.6	257.8	221.9	186.1	150.3	133.6	116.9	100.2	83.5	66.8
125°	299.4	266.2	233.1	199.9	166.8	133.6	118.8	103.9	89.1	74.2	59.4
127.5°	272.6	241.9	211.2	180.4	149.7	119.0	105.8	92.6	79.3	66.1	52.9
130°	245.9	217.4	188.9	160.3	131.8	103.3	91.8	80.3	68.9	57.4	45.9
132.5°	220.1	194.1	168.0	141.9	115.8	89.7	79.7	69.8	59.8	49.8	39.9
135°	193.4	169.7	146.1	122.4	98.8	75.1	66.8	58.4	50.1	41.7	33.4
137.5°	167.2	145.8	124.5	103.2	81.8	60.5	53.8	47.1	40.3	33.6	26.9
140°	141.5	122.6	103.7	84.8	65.9	47.0	41.8	36.6	31.3	26.1	20.9
142.5°	119.6	102.7	85.9	69.1	52.3	35.5	31.6	27.6	23.7	19.7	15.8
145°	100.2	85.5	70.9	56.3	41.7	27.1	24.1	21.1	18.1	15.1	12.0
147.5°	81.9	69.4	57.0	44.6	32.2	19.8	17.6	15.4	13.2	11.0	8.8
150°	65.0	55.0	44.9	34.8	24.7	14.6	13.0	11.4	9.7	8.1	6.5
152.5°	49.8	42.0	34.1	26.2	18.3	10.4	9.2	8.1	6.9	5.8	4.6
155°	34.6	29.1	23.7	18.2	12.8	7.3	6.5	5.7	4.9	4.1	3.2
157.5°	22.8	19.0	15.3	11.6	7.9	4.2	3.7	3.3	2.8	2.3	1.9
160°	13.7	11.4	9.1	6.7	4.4	2.1	1.9	1.6	1.4	1.2	0.9
162.5°	8.0	6.6	5.2	3.8	2.4	1.0	0.9	0.8	0.7	0.6	0.4
165°	4.1	3.2	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLELD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1282.2	1283.7	1285.2	1286.7	1284.1	1281.6	1279.0	1276.5	1273.9	1271.4	1268.8
5°	1279.0	1279.5	1279.9	1280.4	1277.3	1274.1	1271.0	1267.9	1264.7	1261.6	1258.5
7.5°	1271.7	1271.2	1270.6	1270.0	1266.3	1262.6	1258.9	1255.2	1251.4	1247.7	1244.0
10°	1260.6	1259.2	1257.8	1256.4	1252.2	1248.1	1243.9	1239.7	1235.6	1231.4	1227.2
12.5°	1244.6	1241.9	1239.3	1236.6	1232.3	1228.0	1223.7	1219.4	1215.2	1210.9	1206.6
15°	1226.5	1222.6	1218.6	1214.7	1210.2	1205.7	1201.1	1196.6	1192.1	1187.6	1183.0
17.5°	1203.2	1197.9	1192.7	1187.5	1183.1	1178.7	1174.3	1169.9	1165.5	1161.1	1156.7
20°	1176.8	1170.3	1163.8	1157.3	1153.0	1148.7	1144.4	1140.1	1135.9	1131.6	1127.3
22.5°	1146.8	1138.8	1130.8	1122.8	1118.9	1114.9	1111.0	1107.1	1103.1	1099.2	1095.3
25°	1113.8	1104.3	1094.8	1085.3	1081.9	1078.6	1075.2	1071.8	1068.5	1065.1	1061.7
27.5°	1078.0	1066.9	1055.7	1044.6	1041.6	1038.6	1035.5	1032.5	1029.5	1026.5	1023.4
30°	1039.7	1026.8	1013.8	1000.8	998.9	997.1	995.2	993.4	991.5	989.7	987.8
32.5°	999.0	984.0	968.9	953.8	953.2	952.6	952.1	951.5	950.9	950.3	949.8
35°	957.6	940.4	923.1	905.8	906.8	907.9	908.9	910.0	911.0	912.1	913.1
37.5°	916.5	896.6	876.6	856.7	859.6	862.5	865.4	868.3	871.2	874.1	877.0
40°	875.5	852.2	828.9	805.6	811.1	816.5	822.0	827.4	832.9	838.3	843.8
42.5°	833.8	807.0	780.2	753.4	761.9	770.3	778.8	787.3	795.7	804.2	812.7
45°	789.9	759.3	728.7	698.1	710.3	722.5	734.6	746.8	759.0	771.2	783.3
47.5°	748.6	714.7	680.9	647.0	662.3	677.6	692.9	708.2	723.5	738.8	754.1
50°	708.2	671.1	634.0	596.9	615.3	633.8	652.2	670.6	689.1	707.5	725.9
52.5°	668.9	628.2	587.5	546.8	568.6	590.4	612.2	634.0	655.8	677.6	699.4
55°	629.2	585.1	540.9	496.7	522.0	547.3	572.5	597.8	623.1	648.4	673.6
57.5°	591.4	543.5	495.6	447.7	476.3	505.0	533.6	562.2	590.9	619.5	648.1
60°	556.5	505.3	454.0	402.8	434.6	466.3	498.1	529.9	561.6	593.4	625.2
62.5°	521.1	466.3	411.6	356.9	391.9	426.9	461.9	496.9	532.0	567.0	602.0
65°	487.0	429.0	371.1	313.1	351.1	389.1	427.2	465.2	503.2	541.2	579.3
67.5°	453.9	393.1	332.2	271.3	311.8	352.2	392.7	433.2	473.6	514.1	554.6
70°	419.5	356.2	292.9	229.6	272.2	314.7	357.3	399.8	442.4	484.9	527.5
72.5°	386.1	321.1	256.0	191.0	234.9	278.9	322.8	366.8	410.7	454.7	498.6
75°	352.3	286.4	220.4	154.4	199.2	243.9	288.7	333.4	378.2	422.9	467.7
77.5°	319.4	253.3	187.2	121.1	166.0	210.8	255.7	300.6	345.4	390.3	435.2
80°	285.9	220.5	155.1	89.7	134.1	178.5	222.9	267.3	311.8	356.2	400.6
82.5°	252.9	189.1	125.4	61.6	105.0	148.3	191.7	235.1	278.4	321.8	365.2
85°	221.2	159.6	98.1	36.5	78.9	121.4	163.8	206.3	248.7	291.2	333.6
87.5°	190.6	131.6	72.6	13.6	54.1	94.5	135.0	175.5	215.9	256.4	296.9
90°	165.9	110.6	55.3	0.0	38.0	76.1	114.1	152.1	190.2	228.2	266.2
92.5°	154.1	102.7	51.4	0.0	35.7	71.4	107.1	142.8	178.6	214.3	250.0
95°	142.6	95.1	47.5	0.0	32.8	65.6	98.4	131.2	164.1	196.9	229.7
97.5°	131.1	87.4	43.7	0.0	30.4	60.8	91.1	121.5	151.9	182.3	212.6
100°	120.7	80.5	40.2	0.0	27.8	55.6	83.5	111.3	139.1	166.9	194.8
102.5°	109.9	73.3	36.6	0.0	25.4	50.8	76.2	101.6	126.9	152.3	177.7
105°	100.2	66.8	33.4	0.0	23.3	46.6	69.9	93.2	116.6	139.9	163.2
107.5°	91.5	61.0	30.5	0.0	21.3	42.7	64.0	85.3	106.7	128.0	149.3
110°	82.8	55.2	27.6	0.0	19.4	38.7	58.1	77.5	96.8	116.2	135.6



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	74.1	49.4	24.7	0.0	17.5	35.0	52.5	70.0	87.6	105.1	122.6
115°	67.5	45.0	22.5	0.0	15.7	31.3	47.0	62.6	78.3	93.9	109.6
117.5°	61.2	40.8	20.4	0.0	14.0	28.1	42.1	56.1	70.2	84.2	98.2
120°	55.7	37.1	18.6	0.0	12.6	25.3	37.9	50.5	63.2	75.8	88.4
122.5°	50.1	33.4	16.7	0.0	11.4	22.7	34.1	45.5	56.8	68.2	79.6
125°	44.5	29.7	14.8	0.0	10.0	19.9	29.9	39.9	49.8	59.8	69.8
127.5°	39.7	26.4	13.2	0.0	8.6	17.2	25.7	34.3	42.9	51.5	60.0
130°	34.4	23.0	11.5	0.0	7.2	14.4	21.6	28.8	35.9	43.1	50.3
132.5°	29.9	19.9	10.0	0.0	5.9	11.8	17.7	23.6	29.6	35.5	41.4
135°	25.0	16.7	8.3	0.0	4.9	9.7	14.6	19.5	24.3	29.2	34.1
137.5°	20.2	13.4	6.7	0.0	3.7	7.4	11.1	14.8	18.6	22.3	26.0
140°	15.7	10.4	5.2	0.0	2.7	5.3	8.0	10.7	13.3	16.0	18.7
142.5°	11.8	7.9	3.9	0.0	1.9	3.7	5.6	7.4	9.3	11.1	13.0
145°	9.0	6.0	3.0	0.0	1.3	2.6	3.8	5.1	6.4	7.7	8.9
147.5°	6.6	4.4	2.2	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.5
150°	4.9	3.2	1.6	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9
152.5°	3.5	2.3	1.2	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0
155°	2.4	1.6	0.8	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4
157.5°	1.4	0.9	0.5	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6
160°	0.7	0.5	0.2	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8
162.5°	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1266.3	1263.7	1263.2	1262.8	1262.3	1261.9	1261.4	1261.0	1260.5	1260.1	1259.6
5°	1255.3	1252.2	1251.3	1250.4	1249.4	1248.5	1247.6	1246.7	1245.7	1244.8	1243.9
7.5°	1240.3	1236.6	1235.6	1234.5	1233.5	1232.4	1231.4	1230.3	1229.3	1228.2	1227.2
10°	1223.1	1218.9	1218.0	1217.0	1216.1	1215.2	1214.2	1213.3	1212.4	1211.4	1210.5
12.5°	1202.3	1198.0	1197.2	1196.4	1195.6	1194.8	1193.9	1193.1	1192.3	1191.5	1190.7
15°	1178.5	1174.0	1173.9	1173.8	1173.6	1173.5	1173.4	1173.3	1173.1	1173.0	1172.9
17.5°	1152.3	1147.9	1148.6	1149.3	1150.0	1150.7	1151.4	1152.1	1152.8	1153.5	1154.2
20°	1123.0	1118.7	1120.7	1122.6	1124.6	1126.6	1128.5	1130.5	1132.5	1134.4	1136.4
22.5°	1091.3	1087.4	1091.6	1095.7	1099.9	1104.1	1108.2	1112.4	1116.6	1120.7	1124.9
25°	1058.4	1055.0	1062.3	1069.6	1076.9	1084.2	1091.6	1098.9	1106.2	1113.5	1120.8
27.5°	1020.4	1017.4	1028.9	1040.4	1051.9	1063.4	1074.8	1086.3	1097.8	1109.3	1120.8
30°	986.0	984.1	999.3	1014.5	1029.7	1044.9	1060.0	1075.2	1090.4	1105.6	1120.8
32.5°	949.2	948.6	967.7	986.9	1006.0	1025.1	1044.3	1063.4	1082.5	1101.7	1120.8
35°	914.2	915.2	937.9	960.6	983.4	1006.1	1028.8	1051.5	1074.3	1097.0	1119.7
37.5°	879.9	882.8	909.2	935.7	962.1	988.6	1015.0	1041.5	1067.9	1094.4	1120.8
40°	849.2	854.7	884.7	914.7	944.8	974.8	1004.8	1034.8	1064.9	1094.9	1124.9
42.5°	821.1	829.6	863.3	897.1	930.8	964.6	998.3	1032.1	1065.8	1099.6	1133.3
45°	795.5	807.7	845.2	882.6	920.1	957.5	995.0	1032.4	1069.9	1107.3	1144.8
47.5°	769.4	784.7	826.6	868.4	910.3	952.2	994.0	1035.9	1077.8	1119.6	1161.5
50°	744.4	762.8	809.5	856.3	903.0	949.7	996.5	1043.2	1089.9	1136.7	1183.4
52.5°	721.2	743.0	794.9	846.9	898.8	950.8	1002.7	1054.7	1106.6	1158.6	1210.5
55°	698.9	724.2	781.9	839.7	897.4	955.2	1012.9	1070.7	1128.4	1186.2	1243.9
57.5°	676.8	705.4	769.5	833.6	897.8	961.9	1026.0	1090.1	1154.3	1218.4	1282.5
60°	656.9	688.7	759.5	830.4	901.2	972.1	1042.9	1113.8	1184.6	1255.5	1326.3
62.5°	637.0	672.0	749.5	826.9	904.4	981.8	1059.3	1136.7	1214.2	1291.6	1369.1
65°	617.3	655.3	739.0	822.7	906.5	990.2	1073.9	1157.6	1241.4	1325.1	1408.8
67.5°	595.0	635.5	724.7	813.8	903.0	992.2	1081.3	1170.5	1259.7	1348.8	1438.0
70°	570.0	612.6	705.6	798.6	891.6	984.6	1077.5	1170.5	1263.5	1356.5	1449.5
72.5°	542.6	586.5	681.1	775.7	870.3	964.9	1059.6	1154.2	1248.8	1343.4	1438.0
75°	512.4	557.2	650.9	744.6	838.3	932.0	1025.6	1119.3	1213.0	1306.7	1400.4
77.5°	480.0	524.9	615.1	705.3	795.5	885.7	976.0	1066.2	1156.4	1246.6	1336.8
80°	445.0	489.4	574.4	659.4	744.4	829.4	914.3	999.3	1084.3	1169.3	1254.3
82.5°	408.5	451.9	530.4	608.9	687.4	765.9	844.3	922.8	1001.3	1079.8	1158.3
85°	376.1	418.5	489.5	560.4	631.4	702.3	773.3	844.2	915.2	986.1	1057.1
87.5°	337.3	377.8	441.9	506.0	570.1	634.2	698.4	762.5	826.6	890.7	954.8
90°	304.3	342.3	399.9	457.5	515.2	572.8	630.4	688.0	745.7	803.3	860.9
92.5°	285.7	321.4	373.0	424.6	476.2	527.8	579.4	631.0	682.6	734.2	785.8
95°	262.5	295.3	343.0	390.6	438.3	485.9	533.6	581.2	628.9	676.5	724.2
97.5°	243.0	273.4	317.6	361.8	405.9	450.1	494.3	538.5	582.6	626.8	671.0
100°	222.6	250.4	292.0	333.7	375.3	416.9	458.6	500.2	541.8	583.5	625.1
102.5°	203.1	228.5	268.4	308.3	348.2	388.1	427.9	467.8	507.7	547.6	587.5
105°	186.5	209.8	247.8	285.8	323.9	361.9	399.9	437.9	476.0	514.0	552.0
107.5°	170.7	192.0	228.5	265.0	301.6	338.1	374.6	411.1	447.7	484.2	520.7
110°	154.9	174.3	209.5	244.8	280.0	315.3	350.5	385.8	421.0	456.3	491.5



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	140.1	157.6	191.3	225.1	258.8	292.5	326.3	360.0	393.7	427.5	461.2
115°	125.2	140.9	173.2	205.6	237.9	270.3	302.6	335.0	367.3	399.7	432.0
117.5°	112.3	126.3	156.9	187.5	218.1	248.7	279.4	310.0	340.6	371.2	401.8
120°	101.1	113.7	142.3	171.0	199.6	228.3	256.9	285.6	314.2	342.9	371.5
122.5°	90.9	102.3	128.7	155.2	181.6	208.0	234.5	260.9	287.3	313.8	340.2
125°	79.7	89.7	114.1	138.4	162.8	187.1	211.5	235.8	260.2	284.5	308.9
127.5°	68.6	77.2	99.2	121.3	143.3	165.3	187.4	209.4	231.4	253.5	275.5
130°	57.5	64.7	83.5	102.3	121.1	139.9	158.6	177.4	196.2	215.0	233.8
132.5°	47.3	53.2	69.2	85.2	101.2	117.2	133.2	149.2	165.2	181.2	197.2
135°	38.9	43.8	57.7	71.6	85.6	99.5	113.4	127.3	141.3	155.2	169.1
137.5°	29.7	33.4	45.6	57.8	69.9	82.1	94.3	106.5	118.6	130.8	143.0
140°	21.3	24.0	34.6	45.1	55.7	66.2	76.8	87.3	97.9	108.4	119.0
142.5°	14.8	16.7	25.7	34.8	43.8	52.9	61.9	71.0	80.0	89.1	98.1
145°	10.2	11.5	18.9	26.3	33.8	41.2	48.6	56.0	63.5	70.9	78.3
147.5°	7.4	8.3	14.2	20.1	26.1	32.0	37.9	43.8	49.8	55.7	61.6
150°	5.6	6.3	10.8	15.3	19.9	24.4	28.9	33.4	38.0	42.5	47.0
152.5°	4.6	5.2	8.4	11.7	14.9	18.2	21.4	24.7	27.9	31.2	34.4
155°	2.8	3.1	5.2	7.3	9.4	11.5	13.5	15.6	17.7	19.8	21.9
157.5°	1.9	2.1	3.3	4.4	5.6	6.7	7.9	9.0	10.2	11.3	12.5
160°	0.9	1.0	1.6	2.2	2.8	3.4	3.9	4.5	5.1	5.7	6.3
162.5°	0.0	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLELD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1258.6	1257.5	1256.5	1255.4	1254.4	1253.3	1252.3	1251.2	1250.2	1249.0	1247.9
5°	1242.7	1241.6	1240.4	1239.3	1238.1	1237.0	1235.8	1234.7	1233.5	1233.0	1232.6
7.5°	1226.4	1225.6	1224.8	1224.0	1223.1	1222.3	1221.5	1220.7	1219.9	1219.6	1219.2
10°	1210.0	1209.6	1209.1	1208.6	1208.2	1207.7	1207.2	1206.8	1206.3	1205.8	1205.4
12.5°	1190.8	1190.9	1191.0	1191.1	1191.3	1191.4	1191.5	1191.6	1191.7	1191.7	1191.7
15°	1173.8	1174.8	1175.7	1176.6	1177.6	1178.5	1179.4	1180.4	1181.3	1182.0	1182.7
17.5°	1156.9	1159.5	1162.2	1164.9	1167.5	1170.2	1172.9	1175.5	1178.2	1179.8	1181.4
20°	1142.0	1147.5	1153.1	1158.7	1164.2	1169.8	1175.4	1180.9	1186.5	1189.2	1191.8
22.5°	1133.3	1141.6	1150.0	1158.3	1166.7	1175.0	1183.4	1191.7	1200.1	1203.2	1206.3
25°	1131.1	1141.4	1151.7	1162.0	1172.4	1182.7	1193.0	1203.3	1213.6	1217.2	1220.8
27.5°	1132.6	1144.4	1156.3	1168.1	1179.9	1191.7	1203.6	1215.4	1227.2	1231.5	1235.8
30°	1134.2	1147.7	1161.1	1174.6	1188.0	1201.5	1214.9	1228.4	1241.8	1247.0	1252.2
32.5°	1136.2	1151.6	1167.1	1182.5	1197.9	1213.3	1228.8	1244.2	1259.6	1265.7	1271.9
35°	1137.7	1155.7	1173.6	1191.6	1209.6	1227.6	1245.5	1263.5	1281.5	1289.0	1296.6
37.5°	1141.7	1162.5	1183.4	1204.3	1225.1	1246.0	1266.9	1287.7	1308.6	1317.9	1327.2
40°	1149.3	1173.6	1198.0	1222.3	1246.7	1271.0	1295.4	1319.7	1344.1	1355.2	1366.4
42.5°	1161.6	1189.9	1218.2	1246.5	1274.7	1303.0	1331.3	1359.6	1387.9	1401.0	1414.1
45°	1178.0	1211.1	1244.3	1277.4	1310.6	1343.7	1376.9	1410.0	1443.2	1458.4	1473.6
47.5°	1199.9	1238.3	1276.6	1315.0	1353.4	1391.8	1430.1	1468.5	1506.9	1524.6	1542.4
50°	1227.6	1271.8	1315.9	1360.1	1404.3	1448.5	1492.6	1536.8	1581.0	1601.3	1621.6
52.5°	1261.2	1311.8	1362.5	1413.2	1463.8	1514.5	1565.2	1615.8	1666.5	1689.2	1712.0
55°	1301.2	1358.5	1415.7	1473.0	1530.3	1587.6	1644.8	1702.1	1759.4	1784.2	1809.0
57.5°	1346.2	1409.8	1473.5	1537.1	1600.8	1664.4	1728.1	1791.7	1855.4	1881.8	1908.3
60°	1395.8	1465.2	1534.7	1604.1	1673.6	1743.0	1812.5	1881.9	1951.4	1978.5	2005.7
62.5°	1443.3	1517.5	1591.7	1665.9	1740.2	1814.4	1888.6	1962.8	2037.0	2064.1	2091.3
65°	1486.1	1563.5	1640.8	1718.1	1795.5	1872.8	1950.1	2027.5	2104.8	2131.9	2159.1
67.5°	1517.0	1595.9	1674.9	1753.8	1832.8	1911.7	1990.7	2069.6	2148.6	2174.3	2200.1
70°	1528.1	1606.7	1685.3	1763.9	1842.6	1921.2	1999.8	2078.4	2157.0	2181.5	2205.9
72.5°	1514.5	1591.0	1667.6	1744.1	1820.6	1897.1	1973.7	2050.2	2126.7	2149.4	2172.2
75°	1473.1	1545.8	1618.5	1691.2	1763.9	1836.6	1909.3	1982.0	2054.7	2075.7	2096.7
77.5°	1404.2	1471.5	1538.9	1606.3	1673.6	1741.0	1808.4	1875.7	1943.1	1962.8	1982.5
80°	1315.3	1376.3	1437.3	1498.3	1559.2	1620.2	1681.2	1742.2	1803.2	1821.3	1839.4
82.5°	1212.8	1267.3	1321.8	1376.3	1430.8	1485.3	1539.8	1594.3	1648.8	1664.9	1681.0
85°	1105.3	1153.6	1201.8	1250.0	1298.3	1346.5	1394.7	1443.0	1491.2	1505.7	1520.2
87.5°	996.9	1039.0	1081.1	1123.2	1165.2	1207.3	1249.4	1291.5	1333.6	1346.7	1359.8
90°	898.1	935.3	972.6	1009.8	1047.0	1084.2	1121.5	1158.7	1195.9	1207.8	1219.8
92.5°	819.3	852.8	886.3	919.8	953.4	986.9	1020.4	1053.9	1087.4	1098.3	1109.2
95°	754.9	785.7	816.4	847.1	877.9	908.6	939.3	970.1	1000.8	1011.0	1021.2
97.5°	700.0	729.0	758.0	787.0	815.9	844.9	873.9	902.9	931.9	941.5	951.1
100°	653.0	681.0	708.9	736.9	764.8	792.8	820.7	848.7	876.6	885.9	895.2
102.5°	614.6	641.8	668.9	696.0	723.2	750.3	777.4	804.6	831.7	840.7	849.8
105°	578.9	605.8	632.7	659.6	686.5	713.4	740.3	767.2	794.1	802.9	811.7
107.5°	547.4	574.0	600.7	627.4	654.0	680.7	707.4	734.0	760.7	769.6	778.6
110°	518.1	544.6	571.2	597.7	624.3	650.8	677.4	703.9	730.5	739.5	748.6





TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	487.8	514.3	540.9	567.4	594.0	620.5	647.1	673.6	700.2	709.2	718.3
115°	458.3	484.6	511.0	537.3	563.6	589.9	616.3	642.6	668.9	678.3	687.7
117.5°	427.8	453.7	479.7	505.7	531.6	557.6	583.6	609.5	635.5	645.1	654.7
120°	396.8	422.1	447.3	472.6	497.9	523.2	548.4	573.7	599.0	608.7	618.5
122.5°	364.3	388.4	412.5	436.6	460.8	484.9	509.0	533.1	557.2	567.1	576.9
125°	331.6	354.3	377.1	399.8	422.5	445.2	468.0	490.7	513.4	523.0	532.6
127.5°	296.8	318.2	339.5	360.8	382.2	403.5	424.8	446.2	467.5	476.7	485.8
130°	254.8	275.8	296.7	317.7	338.7	359.7	380.6	401.6	422.6	431.0	439.3
132.5°	217.3	237.3	257.4	277.5	297.5	317.6	337.7	357.7	377.8	385.4	393.1
135°	187.3	205.5	223.7	241.9	260.1	278.3	296.5	314.7	332.9	340.0	347.0
137.5°	158.4	173.8	189.3	204.7	220.1	235.5	251.0	266.4	281.8	289.0	296.2
140°	131.3	143.6	155.9	168.2	180.4	192.7	205.0	217.3	229.6	236.8	244.0
142.5°	108.5	119.0	129.4	139.8	150.3	160.7	171.1	181.6	192.0	198.0	204.1
145°	87.1	95.9	104.7	113.5	122.4	131.2	140.0	148.8	157.6	163.4	169.2
147.5°	68.9	76.2	83.5	90.8	98.1	105.4	112.7	120.0	127.3	132.9	138.4
150°	52.9	58.8	64.7	70.6	76.6	82.5	88.4	94.3	100.2	105.4	110.6
152.5°	39.0	43.7	48.3	53.0	57.6	62.3	66.9	71.6	76.2	81.1	85.9
155°	25.7	29.6	33.4	37.2	41.1	44.9	48.7	52.6	56.4	60.7	65.0
157.5°	15.5	18.5	21.6	24.6	27.6	30.6	33.7	36.7	39.7	43.4	47.1
160°	8.3	10.2	12.2	14.2	16.1	18.1	20.1	22.0	24.0	27.2	30.5
162.5°	3.9	4.7	5.5	6.3	7.2	8.0	8.8	9.6	10.4	13.0	15.5
165°	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	4.8	6.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLELD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1246.7	1245.5	1244.4	1243.2	1242.0	1240.9	1239.7	1240.6	1241.6	1242.5	1243.4
5°	1232.1	1231.6	1231.2	1230.7	1230.2	1229.8	1229.3	1229.4	1229.5	1229.6	1229.7
7.5°	1218.9	1218.5	1218.2	1217.8	1217.5	1217.1	1216.8	1216.8	1216.8	1216.8	1216.8
10°	1204.9	1204.5	1204.0	1203.6	1203.1	1202.7	1202.2	1202.0	1201.7	1201.5	1201.3
12.5°	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.1	1190.5	1190.0	1189.4
15°	1183.4	1184.1	1184.7	1185.4	1186.1	1186.8	1187.5	1186.6	1185.7	1184.7	1183.8
17.5°	1183.1	1184.7	1186.3	1187.9	1189.6	1191.2	1192.8	1190.9	1189.1	1187.2	1185.4
20°	1194.5	1197.2	1199.8	1202.5	1205.2	1207.8	1210.5	1207.3	1204.0	1200.8	1197.5
22.5°	1209.5	1212.6	1215.7	1218.8	1222.0	1225.1	1228.2	1224.3	1220.3	1216.4	1212.5
25°	1224.4	1228.0	1231.6	1235.2	1238.8	1242.4	1246.0	1241.7	1237.4	1233.1	1228.8
27.5°	1240.1	1244.4	1248.6	1252.9	1257.2	1261.5	1265.8	1260.8	1255.8	1250.8	1245.8
30°	1257.5	1262.7	1267.9	1273.1	1278.4	1283.6	1288.8	1283.0	1277.2	1271.4	1265.6
32.5°	1278.0	1284.2	1290.3	1296.5	1302.6	1308.8	1314.9	1308.3	1301.7	1295.1	1288.5
35°	1304.1	1311.6	1319.2	1326.7	1334.2	1341.8	1349.3	1341.4	1333.5	1325.6	1317.7
37.5°	1336.4	1345.7	1355.0	1364.3	1373.5	1382.8	1392.1	1382.7	1373.3	1363.9	1354.5
40°	1377.5	1388.6	1399.8	1410.9	1422.0	1433.2	1444.3	1433.2	1422.0	1410.9	1399.8
42.5°	1427.2	1440.3	1453.4	1466.5	1479.6	1492.7	1505.8	1493.0	1480.3	1467.5	1454.8
45°	1488.8	1504.0	1519.1	1534.3	1549.5	1564.7	1579.9	1565.1	1550.2	1535.4	1520.5
47.5°	1560.1	1577.8	1595.6	1613.3	1631.0	1648.8	1666.5	1649.8	1633.1	1616.4	1599.7
50°	1641.9	1662.2	1682.4	1702.7	1723.0	1743.3	1763.6	1744.6	1725.6	1706.5	1687.5
52.5°	1734.7	1757.4	1780.2	1802.9	1825.6	1848.4	1871.1	1850.0	1828.9	1807.8	1786.7
55°	1833.8	1858.6	1883.5	1908.3	1933.1	1957.9	1982.7	1960.0	1937.3	1914.5	1891.8
57.5°	1934.7	1961.1	1987.6	2014.0	2040.4	2066.9	2093.3	2069.4	2045.5	2021.7	1997.8
60°	2032.8	2059.9	2087.1	2114.2	2141.3	2168.5	2195.6	2171.0	2146.4	2121.9	2097.3
62.5°	2118.4	2145.5	2172.7	2199.8	2226.9	2254.1	2281.2	2257.0	2232.7	2208.5	2184.3
65°	2186.2	2213.3	2240.5	2267.6	2294.7	2321.9	2349.0	2325.2	2301.5	2277.7	2253.9
67.5°	2225.8	2251.6	2277.3	2303.1	2328.8	2354.6	2380.3	2357.8	2335.3	2312.8	2290.3
70°	2230.4	2254.9	2279.3	2303.8	2328.3	2352.7	2377.2	2355.9	2334.5	2313.2	2291.9
72.5°	2194.9	2217.6	2240.4	2263.1	2285.8	2308.6	2331.3	2311.1	2290.9	2270.8	2250.6
75°	2117.7	2138.7	2159.6	2180.6	2201.6	2222.6	2243.6	2224.6	2205.6	2186.6	2167.6
77.5°	2002.2	2021.9	2041.7	2061.4	2081.1	2100.8	2120.5	2102.5	2084.5	2066.6	2048.6
80°	1857.5	1875.6	1893.6	1911.7	1929.8	1947.9	1966.0	1949.0	1931.9	1914.9	1897.8
82.5°	1697.1	1713.2	1729.4	1745.5	1761.6	1777.7	1793.8	1779.7	1765.5	1751.4	1737.2
85°	1534.7	1549.2	1563.7	1578.2	1592.7	1607.2	1621.7	1608.5	1595.3	1582.0	1568.8
87.5°	1372.9	1386.0	1399.2	1412.3	1425.4	1438.5	1451.6	1439.4	1427.2	1415.1	1402.9
90°	1231.7	1243.7	1255.6	1267.6	1279.5	1291.5	1303.4	1292.2	1280.9	1269.7	1258.4
92.5°	1120.1	1131.0	1141.9	1152.8	1163.7	1174.6	1185.5	1175.2	1164.9	1154.5	1144.2
95°	1031.4	1041.6	1051.8	1062.0	1072.2	1082.4	1092.6	1083.1	1073.6	1064.1	1054.6
97.5°	960.8	970.4	980.0	989.6	999.3	1008.9	1018.5	1009.5	1000.4	991.4	982.3
100°	904.4	913.7	923.0	932.3	941.5	950.8	960.1	951.3	942.5	933.6	924.8
102.5°	858.8	867.9	876.9	886.0	895.0	904.1	913.1	904.4	895.7	887.0	878.3
105°	820.5	829.3	838.2	847.0	855.8	864.6	873.4	865.1	856.7	848.4	840.0
107.5°	787.5	796.4	805.4	814.3	823.2	832.2	841.1	832.6	824.2	815.7	807.2
110°	757.6	766.7	775.7	784.8	793.8	802.9	811.9	803.3	794.7	786.2	777.6



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	727.3	736.4	745.4	754.5	763.5	772.6	781.6	773.0	764.4	755.9	747.3
115°	697.1	706.5	715.8	725.2	734.6	744.0	753.4	744.6	735.8	727.0	718.2
117.5°	664.4	674.0	683.6	693.2	702.9	712.5	722.1	713.2	704.3	695.3	686.4
120°	628.2	637.9	647.7	657.4	667.1	676.9	686.6	677.7	668.8	659.8	650.9
122.5°	586.8	596.7	606.5	616.4	626.3	636.1	646.0	637.1	628.1	619.2	610.3
125°	542.3	551.9	561.5	571.1	580.8	590.4	600.0	591.4	582.8	574.3	565.7
127.5°	495.0	504.1	513.3	522.4	531.6	540.7	549.9	541.9	533.9	525.9	517.9
130°	447.7	456.0	464.4	472.7	481.1	489.4	497.8	490.5	483.2	475.9	468.6
132.5°	400.7	408.4	416.0	423.7	431.3	439.0	446.6	440.1	433.6	427.1	420.6
135°	354.1	361.2	368.2	375.3	382.4	389.4	396.5	390.7	384.9	379.1	373.3
137.5°	303.4	310.6	317.7	324.9	332.1	339.3	346.5	340.9	335.4	329.8	324.2
140°	251.2	258.4	265.5	272.7	279.9	287.1	294.3	289.4	284.5	279.7	274.8
142.5°	210.1	216.1	222.2	228.2	234.2	240.3	246.3	242.8	239.3	235.9	232.4
145°	175.0	180.8	186.6	192.4	198.2	204.0	209.8	207.0	204.2	201.4	198.6
147.5°	144.0	149.6	155.1	160.7	166.3	171.8	177.4	175.1	172.8	170.4	168.1
150°	115.8	121.0	126.3	131.5	136.7	141.9	147.1	145.4	143.6	141.9	140.2
152.5°	90.8	95.7	100.5	105.4	110.3	115.1	120.0	118.5	117.0	115.5	114.0
155°	69.3	73.6	77.8	82.1	86.4	90.7	95.0	94.0	92.9	91.9	90.8
157.5°	50.8	54.5	58.2	61.9	65.6	69.3	73.0	72.0	70.9	69.9	68.9
160°	33.7	37.0	40.2	43.5	46.7	50.0	53.2	52.4	51.6	50.8	50.0
162.5°	18.1	20.6	23.2	25.7	28.3	30.8	33.4	32.8	32.2	31.7	31.1
165°	8.3	10.1	11.8	13.6	15.3	17.1	18.8	18.7	18.6	18.4	18.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1244.4	1245.3	1246.2	1247.2	1248.1	1249.6	1251.1	1252.6	1254.1	1255.6	1257.1
5°	1229.9	1230.0	1230.1	1230.2	1230.3	1232.2	1234.0	1235.9	1237.7	1239.6	1241.4
7.5°	1216.8	1216.8	1216.8	1216.8	1216.8	1218.5	1220.3	1222.0	1223.7	1225.5	1227.2
10°	1201.0	1200.8	1200.6	1200.3	1200.1	1202.0	1203.8	1205.7	1207.5	1209.4	1211.2
12.5°	1188.8	1188.2	1187.7	1187.1	1186.5	1188.0	1189.5	1191.0	1192.5	1194.1	1195.6
15°	1182.9	1182.0	1181.0	1180.1	1179.2	1179.4	1179.7	1179.9	1180.1	1180.4	1180.6
17.5°	1183.5	1181.7	1179.8	1178.0	1176.1	1174.6	1173.1	1171.6	1170.1	1168.5	1167.0
20°	1194.3	1191.0	1187.8	1184.5	1181.3	1177.2	1173.2	1169.1	1165.1	1161.0	1157.0
22.5°	1208.5	1204.6	1200.7	1196.7	1192.8	1186.1	1179.3	1172.6	1165.9	1159.1	1152.4
25°	1224.6	1220.3	1216.0	1211.7	1207.4	1198.4	1189.3	1180.3	1171.2	1162.2	1153.1
27.5°	1240.9	1235.9	1230.9	1225.9	1220.9	1210.5	1200.0	1189.6	1179.2	1168.7	1158.3
30°	1259.8	1254.0	1248.2	1242.4	1236.6	1224.2	1211.8	1199.4	1187.0	1174.5	1162.1
32.5°	1281.8	1275.2	1268.6	1262.0	1255.4	1240.7	1225.9	1211.2	1196.5	1181.7	1167.0
35°	1309.9	1302.0	1294.1	1286.2	1278.3	1261.1	1244.0	1226.8	1209.7	1192.5	1175.4
37.5°	1345.2	1335.8	1326.4	1317.0	1307.6	1287.7	1267.7	1247.8	1227.8	1207.9	1187.9
40°	1388.6	1377.5	1366.4	1355.2	1344.1	1320.8	1297.5	1274.2	1250.9	1227.5	1204.2
42.5°	1442.0	1429.3	1416.5	1403.8	1391.0	1363.5	1336.0	1308.6	1281.1	1253.6	1226.1
45°	1505.7	1490.8	1476.0	1461.1	1446.3	1414.3	1382.3	1350.3	1318.3	1286.3	1254.3
47.5°	1583.1	1566.4	1549.7	1533.0	1516.3	1478.7	1441.2	1403.6	1366.0	1328.5	1290.9
50°	1668.5	1649.5	1630.4	1611.4	1592.4	1549.2	1505.9	1462.7	1419.4	1376.2	1332.9
52.5°	1765.5	1744.4	1723.3	1702.2	1681.1	1631.5	1581.9	1532.2	1482.6	1433.0	1383.4
55°	1869.1	1846.4	1823.6	1800.9	1778.2	1722.0	1665.7	1609.5	1553.3	1497.0	1440.8
57.5°	1973.9	1950.0	1926.2	1902.3	1878.4	1815.8	1753.2	1690.6	1628.0	1565.3	1502.7
60°	2072.7	2048.1	2023.6	1999.0	1974.4	1905.9	1837.3	1768.8	1700.3	1631.7	1563.2
62.5°	2160.0	2135.8	2111.6	2087.3	2063.1	1990.4	1917.7	1845.0	1772.3	1699.6	1626.9
65°	2230.2	2206.4	2182.6	2158.9	2135.1	2059.0	1983.0	1906.9	1830.8	1754.8	1678.7
67.5°	2267.9	2245.4	2222.9	2200.4	2177.9	2100.1	2022.3	1944.5	1866.7	1788.9	1711.1
70°	2270.5	2249.2	2227.9	2206.5	2185.2	2108.0	2030.8	1953.5	1876.3	1799.1	1721.9
72.5°	2230.4	2210.2	2190.1	2169.9	2149.7	2075.1	2000.6	1926.0	1851.5	1776.9	1702.4
75°	2148.5	2129.5	2110.5	2091.5	2072.5	2002.1	1931.7	1861.3	1790.9	1720.6	1650.2
77.5°	2030.6	2012.6	1994.7	1976.7	1958.7	1893.7	1828.6	1763.6	1698.5	1633.5	1568.4
80°	1880.8	1863.7	1846.7	1829.6	1812.6	1753.8	1695.0	1636.3	1577.5	1518.7	1459.9
82.5°	1723.1	1708.9	1694.8	1680.6	1666.5	1612.7	1558.9	1505.1	1451.3	1397.5	1343.7
85°	1555.6	1542.4	1529.1	1515.9	1502.7	1455.2	1407.6	1360.1	1312.5	1265.0	1217.4
87.5°	1390.7	1378.5	1366.4	1354.2	1342.0	1300.5	1259.0	1217.5	1176.0	1134.4	1092.9
90°	1247.2	1235.9	1224.7	1213.4	1202.2	1165.7	1129.1	1092.6	1056.1	1019.5	983.0
92.5°	1133.9	1123.6	1113.2	1102.9	1092.6	1060.0	1027.4	994.9	962.3	929.7	897.1
95°	1045.0	1035.5	1026.0	1016.5	1007.0	977.1	947.2	917.3	887.4	857.4	827.5
97.5°	973.3	964.2	955.2	946.1	937.1	908.9	880.7	852.6	824.4	796.2	768.0
100°	916.0	907.2	898.3	889.5	880.7	853.7	826.7	799.7	772.7	745.6	718.6
102.5°	869.6	860.9	852.2	843.5	834.8	808.5	782.2	755.8	729.5	703.2	676.9
105°	831.7	823.3	815.0	806.6	798.3	772.3	746.4	720.4	694.4	668.5	642.5
107.5°	798.8	790.3	781.8	773.4	764.9	739.2	713.4	687.7	661.9	636.2	610.4
110°	769.0	760.4	751.9	743.3	734.7	709.2	683.7	658.2	632.7	607.1	581.6



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	738.7	730.1	721.6	713.0	704.4	679.0	653.6	628.2	602.8	577.5	552.1
115°	709.3	700.5	691.7	682.9	674.1	648.8	623.5	598.3	573.0	547.7	522.4
117.5°	677.5	668.6	659.6	650.7	641.8	616.8	591.7	566.7	541.6	516.6	491.5
120°	642.0	633.1	624.1	615.2	606.3	581.7	557.1	532.6	508.0	483.4	458.8
122.5°	601.3	592.4	583.5	574.5	565.6	542.1	518.5	495.0	471.5	447.9	424.4
125°	557.1	548.5	540.0	531.4	522.8	500.5	478.3	456.0	433.8	411.5	389.3
127.5°	509.9	501.9	493.9	485.9	477.9	457.1	436.4	415.6	394.9	374.1	353.4
130°	461.2	453.9	446.6	439.3	432.0	412.3	392.6	372.9	353.2	333.4	313.7
132.5°	414.2	407.7	401.2	394.7	388.2	369.4	350.6	331.8	313.0	294.3	275.5
135°	367.6	361.8	356.0	350.2	344.4	327.8	311.2	294.6	278.0	261.5	244.9
137.5°	318.7	313.1	307.5	302.0	296.4	282.7	269.0	255.3	241.6	228.0	214.3
140°	269.9	265.0	260.2	255.3	250.4	239.3	228.2	217.0	205.9	194.8	183.7
142.5°	228.9	225.4	222.0	218.5	215.0	205.5	196.0	186.5	177.0	167.4	157.9
145°	195.9	193.1	190.3	187.5	184.7	176.5	168.2	160.0	151.8	143.5	135.3
147.5°	165.8	163.5	161.1	158.8	156.5	149.4	142.4	135.3	128.2	121.2	114.1
150°	138.4	136.7	135.0	133.2	131.5	125.4	119.2	113.1	106.9	100.8	94.6
152.5°	112.4	110.9	109.4	107.9	106.4	101.4	96.4	91.5	86.5	81.5	76.5
155°	89.8	88.7	87.7	86.6	85.6	81.2	76.8	72.4	68.0	63.5	59.1
157.5°	67.8	66.8	65.8	64.7	63.7	60.2	56.7	53.2	49.7	46.3	42.8
160°	49.1	48.3	47.5	46.7	45.9	43.2	40.6	37.9	35.2	32.6	29.9
162.5°	30.5	29.9	29.4	28.8	28.2	26.8	25.4	24.0	22.6	21.3	19.9
165°	18.2	18.1	17.9	17.8	17.7	17.0	16.3	15.6	14.9	14.3	13.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1258.6	1260.1	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6
5°	1243.3	1245.1	1247.0	1247.4	1247.7	1248.1	1248.4	1248.8	1249.1	1249.5	1249.8
7.5°	1228.9	1230.7	1232.4	1232.6	1232.9	1233.1	1233.3	1233.6	1233.8	1234.0	1234.3
10°	1213.1	1214.9	1216.8	1216.6	1216.3	1216.1	1215.9	1215.6	1215.4	1215.2	1214.9
12.5°	1197.1	1198.6	1200.1	1199.4	1198.7	1198.0	1197.3	1196.6	1195.9	1195.2	1194.5
15°	1180.8	1181.1	1181.3	1180.0	1178.7	1177.5	1176.2	1174.9	1173.6	1172.4	1171.1
17.5°	1165.5	1164.0	1162.5	1160.3	1158.1	1155.9	1153.7	1151.5	1149.3	1147.1	1144.9
20°	1152.9	1148.9	1144.8	1141.3	1137.8	1134.4	1130.9	1127.4	1123.9	1120.5	1117.0
22.5°	1145.7	1138.9	1132.2	1126.5	1120.8	1115.2	1109.5	1103.8	1098.1	1092.5	1086.8
25°	1144.1	1135.0	1126.0	1117.3	1108.6	1099.9	1091.2	1082.5	1073.8	1065.1	1056.4
27.5°	1147.9	1137.4	1127.0	1114.2	1101.5	1088.7	1076.0	1063.2	1050.5	1037.7	1025.0
30°	1149.7	1137.3	1124.9	1108.7	1092.4	1076.2	1060.0	1043.7	1027.5	1011.3	995.0
32.5°	1152.3	1137.5	1122.8	1103.0	1083.2	1063.3	1043.5	1023.7	1003.9	984.0	964.2
35°	1158.2	1141.1	1123.9	1100.1	1076.4	1052.6	1028.8	1005.1	981.3	957.5	933.8
37.5°	1168.0	1148.0	1128.1	1100.8	1073.6	1046.3	1019.1	991.8	964.6	937.3	910.1
40°	1180.9	1157.6	1134.3	1103.5	1072.6	1041.8	1010.9	980.1	949.2	918.4	887.5
42.5°	1198.7	1171.2	1143.7	1109.4	1075.1	1040.7	1006.4	972.1	937.8	903.4	869.1
45°	1222.3	1190.3	1158.3	1119.9	1081.5	1043.2	1004.8	966.4	928.0	889.7	851.3
47.5°	1253.3	1215.8	1178.2	1135.3	1092.4	1049.5	1006.6	963.6	920.7	877.8	834.9
50°	1289.7	1246.4	1203.2	1155.3	1107.4	1059.5	1011.6	963.8	915.9	868.0	820.1
52.5°	1333.7	1284.1	1234.5	1181.0	1127.6	1074.1	1020.7	967.2	913.8	860.3	806.9
55°	1384.6	1328.3	1272.1	1212.6	1153.1	1093.6	1034.1	974.7	915.2	855.7	796.2
57.5°	1440.1	1377.5	1314.9	1249.0	1183.2	1117.3	1051.4	985.6	919.7	853.8	788.0
60°	1494.7	1426.1	1357.6	1285.4	1213.1	1140.9	1068.7	996.4	924.2	852.0	779.7
62.5°	1554.2	1481.5	1408.8	1329.4	1250.0	1170.5	1091.1	1011.7	932.3	852.8	773.4
65°	1602.6	1526.6	1450.5	1364.7	1278.9	1193.1	1107.3	1021.5	935.7	849.9	764.1
67.5°	1633.3	1555.5	1477.7	1386.9	1296.1	1205.3	1114.5	1023.8	933.0	842.2	751.4
70°	1644.6	1567.4	1490.2	1395.7	1301.2	1206.7	1112.2	1017.7	923.2	828.7	734.2
72.5°	1627.8	1553.3	1478.7	1382.7	1286.7	1190.7	1094.7	998.6	902.6	806.6	710.6
75°	1579.8	1509.4	1439.0	1344.0	1249.1	1154.1	1059.2	964.2	869.3	774.3	679.4
77.5°	1503.4	1438.3	1373.3	1282.0	1190.8	1099.5	1008.3	917.0	825.8	734.5	643.3
80°	1401.2	1342.4	1283.6	1198.3	1112.9	1027.6	942.2	856.9	771.5	686.2	600.8
82.5°	1289.9	1236.1	1182.3	1103.9	1025.5	947.2	868.8	790.4	712.0	633.7	555.3
85°	1169.9	1122.3	1074.8	1004.0	933.1	862.3	791.4	720.6	649.7	578.9	508.0
87.5°	1051.4	1009.9	968.4	905.0	841.6	778.1	714.7	651.3	587.9	524.4	461.0
90°	946.5	909.9	873.4	816.5	759.6	702.6	645.7	588.8	531.9	474.9	418.0
92.5°	864.6	832.0	799.4	747.9	696.4	644.9	593.4	542.0	490.5	439.0	387.5
95°	797.6	767.7	737.8	690.4	643.0	595.5	548.1	500.7	453.3	405.8	358.4
97.5°	739.9	711.7	683.5	639.6	595.6	551.7	507.7	463.8	419.8	375.9	331.9
100°	691.6	664.6	637.6	596.2	554.8	513.4	472.0	430.7	389.3	347.9	306.5
102.5°	650.5	624.2	597.9	558.4	518.8	479.3	439.8	400.2	360.7	321.2	281.6
105°	616.5	590.6	564.6	526.6	488.5	450.5	412.5	374.4	336.4	298.4	260.3
107.5°	584.7	558.9	533.2	496.6	459.9	423.3	386.7	350.0	313.4	276.8	240.1
110°	556.1	530.6	505.1	469.6	434.1	398.6	363.1	327.7	292.2	256.7	221.2



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	526.7	501.3	475.9	441.8	407.7	373.6	339.5	305.5	271.4	237.3	203.2
115°	497.2	471.9	446.6	413.9	381.2	348.5	315.8	283.2	250.5	217.8	185.1
117.5°	466.5	441.4	416.4	385.3	354.2	323.2	292.1	261.0	229.9	198.9	167.8
120°	434.3	409.7	385.1	356.0	326.9	297.8	268.7	239.5	210.4	181.3	152.2
122.5°	400.9	377.3	353.8	326.9	300.0	273.1	246.2	219.3	192.4	165.5	138.6
125°	367.0	344.8	322.5	297.9	273.3	248.7	224.1	199.6	175.0	150.4	125.8
127.5°	332.6	311.9	291.1	268.7	246.3	224.0	201.6	179.2	156.8	134.5	112.1
130°	294.0	274.3	254.6	235.1	215.6	196.2	176.7	157.2	137.7	118.3	98.8
132.5°	256.7	237.9	219.1	202.5	185.9	169.4	152.8	136.2	119.6	103.1	86.5
135°	228.3	211.7	195.1	180.1	165.2	150.2	135.3	120.3	105.4	90.4	75.5
137.5°	200.6	186.9	173.2	159.6	146.1	132.5	118.9	105.4	91.8	78.2	64.7
140°	172.5	161.4	150.3	138.2	126.2	114.1	102.0	90.0	77.9	65.8	53.8
142.5°	148.4	138.9	129.4	118.6	107.8	97.0	86.2	75.5	64.7	53.9	43.1
145°	127.1	118.8	110.6	101.0	91.4	81.7	72.1	62.5	52.9	43.2	33.6
147.5°	107.0	100.0	92.9	84.8	76.7	68.5	60.4	52.3	44.2	36.0	27.9
150°	88.5	82.3	76.2	69.6	63.0	56.4	49.8	43.1	36.5	29.9	23.3
152.5°	71.6	66.6	61.6	56.4	51.2	45.9	40.7	35.5	30.3	25.0	19.8
155°	54.7	50.3	45.9	42.1	38.3	34.4	30.6	26.8	23.0	19.1	15.3
157.5°	39.3	35.8	32.3	29.8	27.2	24.7	22.1	19.6	17.0	14.5	11.9
160°	27.2	24.6	21.9	20.3	18.7	17.0	15.4	13.8	12.2	10.5	8.9
162.5°	18.5	17.1	15.7	14.5	13.4	12.2	11.0	9.9	8.7	7.5	6.4
165°	12.9	12.2	11.5	10.7	9.9	9.1	8.3	7.4	6.6	5.8	5.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLELD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1261.6	1264.7	1267.9	1271.0	1274.1	1277.3	1280.4	1283.5	1286.7	1289.8	1289.2
5°	1250.2	1253.9	1257.6	1261.3	1265.0	1268.8	1272.5	1276.2	1279.9	1283.6	1283.9
7.5°	1234.5	1238.7	1242.9	1247.0	1251.2	1255.4	1259.6	1263.7	1267.9	1272.1	1273.6
10°	1214.7	1219.5	1224.2	1229.0	1233.7	1238.5	1243.2	1248.0	1252.7	1257.5	1259.9
12.5°	1193.8	1198.6	1203.3	1208.1	1212.8	1217.6	1222.3	1227.1	1231.8	1236.6	1240.3
15°	1169.8	1174.8	1179.8	1184.8	1189.8	1194.7	1199.7	1204.7	1209.7	1214.7	1219.5
17.5°	1142.7	1147.7	1152.7	1157.6	1162.6	1167.6	1172.6	1177.5	1182.5	1187.5	1193.4
20°	1113.5	1118.0	1122.5	1127.1	1131.6	1136.1	1140.6	1145.2	1149.7	1154.2	1161.7
22.5°	1081.1	1085.3	1089.5	1093.6	1097.8	1102.0	1106.2	1110.3	1114.5	1118.7	1127.6
25°	1047.7	1051.6	1055.6	1059.5	1063.5	1067.4	1071.4	1075.3	1079.3	1083.2	1093.3
27.5°	1012.2	1015.1	1018.0	1020.9	1023.8	1026.7	1029.6	1032.5	1035.4	1038.3	1050.5
30°	978.8	980.5	982.3	984.0	985.8	987.5	989.3	991.0	992.8	994.5	1008.4
32.5°	944.4	945.2	946.0	946.8	947.6	948.5	949.3	950.1	950.9	951.7	967.0
35°	910.0	909.2	908.4	907.6	906.8	905.9	905.1	904.3	903.5	902.7	920.2
37.5°	882.8	879.4	876.1	872.7	869.4	866.0	862.7	859.3	856.0	852.6	872.8
40°	856.7	850.6	844.4	838.3	832.1	826.0	819.8	813.7	807.5	801.4	824.7
42.5°	834.8	825.3	815.8	806.3	796.8	787.3	777.8	768.3	758.8	749.3	775.8
45°	812.9	800.0	787.2	774.3	761.4	748.6	735.7	722.8	710.0	697.1	727.0
47.5°	792.0	775.8	759.6	743.3	727.1	710.9	694.7	678.4	662.2	646.0	679.2
50°	772.2	752.5	732.8	713.1	693.4	673.6	653.9	634.2	614.5	594.8	631.2
52.5°	753.4	730.2	707.0	683.8	660.6	637.5	614.3	591.1	567.9	544.7	584.6
55°	736.7	709.9	683.1	656.4	629.6	602.8	576.0	549.3	522.5	495.7	539.1
57.5°	722.1	691.6	661.1	630.6	600.1	569.7	539.2	508.7	478.2	447.7	494.4
60°	707.5	673.5	639.6	605.6	571.6	537.7	503.7	469.7	435.8	401.8	452.0
62.5°	694.0	656.5	619.1	581.6	544.2	506.7	469.3	431.8	394.4	356.9	410.5
65°	678.3	637.8	597.4	556.9	516.4	476.0	435.5	395.0	354.6	314.1	370.8
67.5°	660.6	617.5	574.3	531.2	488.1	444.9	401.8	358.7	315.5	272.4	331.9
70°	639.7	594.1	548.6	503.0	457.4	411.9	366.3	320.7	275.2	229.6	291.5
72.5°	614.6	567.6	520.7	473.7	426.8	379.8	332.9	285.9	239.0	192.0	255.4
75°	584.4	536.9	489.3	441.8	394.2	346.7	299.1	251.6	204.0	156.5	220.6
77.5°	552.0	504.3	456.7	409.0	361.4	313.7	266.1	218.4	170.8	123.1	187.2
80°	515.5	468.4	421.3	374.3	327.2	280.1	233.0	186.0	138.9	91.8	155.1
82.5°	476.9	431.0	385.1	339.2	293.3	247.3	201.4	155.5	109.6	63.7	125.4
85°	437.2	392.9	348.6	304.3	260.0	215.8	171.5	127.2	82.9	38.6	98.1
87.5°	397.6	355.2	312.7	270.3	227.9	185.4	143.0	100.6	58.1	15.7	72.5
90°	361.1	321.1	281.1	241.1	201.1	161.0	121.0	81.0	41.0	1.0	54.2
92.5°	336.0	298.7	261.3	224.0	186.7	149.3	112.0	74.7	37.3	0.0	49.5
95°	311.0	276.6	242.1	207.7	173.2	138.8	104.3	69.9	35.4	1.0	46.5
97.5°	288.0	256.1	224.2	192.3	160.4	128.6	96.7	64.8	32.9	1.0	42.9
100°	265.1	235.6	206.2	176.7	147.3	117.8	88.4	58.9	29.5	0.0	38.4
102.5°	242.1	215.3	188.5	161.7	134.9	108.2	81.4	54.6	27.8	1.0	36.0
105°	222.3	197.7	173.1	148.5	123.9	99.4	74.8	50.2	25.6	1.0	32.9
107.5°	203.5	181.0	158.5	136.0	113.5	91.0	68.5	46.0	23.5	1.0	30.0
110°	185.7	165.2	144.7	124.1	103.6	83.1	62.6	42.0	21.5	1.0	27.1





TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	169.1	150.4	131.7	113.1	94.4	75.7	57.0	38.4	19.7	1.0	24.7
115°	152.4	135.6	118.8	101.9	85.1	68.3	51.5	34.6	17.8	1.0	22.6
117.5°	136.7	121.6	106.5	91.5	76.4	61.3	46.2	31.2	16.1	1.0	20.5
120°	123.1	109.5	96.0	82.4	68.8	55.3	41.7	28.1	14.6	1.0	18.6
122.5°	111.7	99.4	87.1	74.8	62.5	50.2	37.9	25.6	13.3	1.0	16.8
125°	101.2	90.1	78.9	67.8	56.7	45.5	34.4	23.3	12.1	1.0	14.8
127.5°	89.7	79.8	70.0	60.1	50.3	40.4	30.6	20.7	10.9	1.0	12.7
130°	79.3	70.6	61.9	53.2	44.5	35.8	27.1	18.4	9.7	1.0	10.6
132.5°	69.9	62.4	54.8	47.3	39.8	32.2	24.7	17.2	9.6	2.1	9.8
135°	60.5	53.9	47.3	40.7	34.1	27.4	20.8	14.2	7.6	1.0	7.0
137.5°	51.1	45.5	40.0	34.4	28.8	23.3	17.7	12.1	6.6	1.0	5.4
140°	41.7	37.3	32.9	28.5	24.1	19.7	15.3	10.9	6.5	2.1	5.1
142.5°	32.3	28.8	25.3	21.9	18.4	14.9	11.4	8.0	4.5	1.0	3.2
145°	24.0	21.4	18.9	16.3	13.8	11.2	8.7	6.1	3.6	1.0	2.5
147.5°	19.8	17.8	15.9	13.9	11.9	10.0	8.0	6.0	4.1	2.1	3.1
150°	16.7	15.1	13.5	11.8	10.2	8.6	7.0	5.3	3.7	2.1	2.9
152.5°	14.6	13.2	11.8	10.4	9.0	7.7	6.3	4.9	3.5	2.1	2.7
155°	11.5	10.5	9.4	8.4	7.3	6.3	5.2	4.2	3.1	2.1	2.4
157.5°	9.4	8.6	7.8	7.0	6.2	5.3	4.5	3.7	2.9	2.1	2.3
160°	7.3	6.7	6.1	5.6	5.0	4.4	3.8	3.3	2.7	2.1	2.2
162.5°	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.8	2.4	2.1	2.2
165°	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1288.6	1288.1	1287.5	1286.9	1286.3	1285.8	1285.2	1284.6	1285.4	1286.2	1287.0
5°	1284.3	1284.6	1285.0	1285.3	1285.7	1286.0	1286.4	1286.7	1288.3	1289.9	1291.6
7.5°	1275.1	1276.6	1278.1	1279.6	1281.1	1282.6	1284.1	1285.6	1288.2	1290.7	1293.3
10°	1262.4	1264.8	1267.2	1269.7	1272.1	1274.5	1277.0	1279.4	1283.1	1286.8	1290.5
12.5°	1244.0	1247.7	1251.4	1255.2	1258.9	1262.6	1266.3	1270.0	1275.0	1280.0	1285.0
15°	1224.2	1229.0	1233.7	1238.5	1243.2	1248.0	1252.7	1257.5	1264.0	1270.5	1277.0
17.5°	1199.3	1205.3	1211.2	1217.1	1223.0	1229.0	1234.9	1240.8	1249.1	1257.5	1265.8
20°	1169.3	1176.8	1184.3	1191.9	1199.4	1206.9	1214.5	1222.0	1232.2	1242.4	1252.6
22.5°	1136.5	1145.5	1154.4	1163.3	1172.2	1181.2	1190.1	1199.0	1212.3	1225.7	1239.0
25°	1103.4	1113.5	1123.6	1133.6	1143.7	1153.8	1163.9	1174.0	1191.4	1208.8	1226.2
27.5°	1062.7	1074.8	1087.0	1099.2	1111.4	1123.5	1135.7	1147.9	1169.5	1191.0	1212.6
30°	1022.3	1036.2	1050.1	1064.1	1078.0	1091.9	1105.8	1119.7	1145.4	1171.2	1196.9
32.5°	982.3	997.6	1012.9	1028.3	1043.6	1058.9	1074.2	1089.5	1119.5	1149.5	1179.6
35°	937.7	955.2	972.7	990.2	1007.7	1025.2	1042.7	1060.2	1094.5	1128.8	1163.2
37.5°	892.9	913.1	933.3	953.4	973.6	993.8	1013.9	1034.1	1072.6	1111.1	1149.6
40°	848.0	871.3	894.6	918.0	941.3	964.6	987.9	1011.2	1053.6	1096.1	1138.5
42.5°	802.4	828.9	855.5	882.0	908.6	935.1	961.7	988.2	1035.0	1081.9	1128.7
45°	756.9	786.8	816.7	846.7	876.6	906.5	936.4	966.3	1017.8	1069.3	1120.7
47.5°	712.3	745.5	778.6	811.8	844.9	878.1	911.2	944.4	1001.1	1057.8	1114.5
50°	667.6	704.0	740.4	776.9	813.3	849.7	886.1	922.5	985.0	1047.5	1110.0
52.5°	624.5	664.4	704.3	744.1	784.0	823.9	863.8	903.7	972.3	1041.0	1109.6
55°	582.4	625.8	669.2	712.5	755.9	799.3	842.6	886.0	961.2	1036.5	1111.7
57.5°	541.1	587.9	634.6	681.3	728.0	774.8	821.5	868.2	951.1	1034.0	1116.9
60°	502.2	552.4	602.6	652.8	703.0	753.2	803.4	853.6	944.4	1035.2	1126.0
62.5°	464.0	517.6	571.2	624.7	678.3	731.9	785.4	839.0	937.7	1036.4	1135.0
65°	427.5	484.2	540.9	597.6	654.3	711.0	767.7	824.4	930.6	1036.8	1143.0
67.5°	391.4	450.8	510.3	569.8	629.3	688.7	748.2	807.7	921.0	1034.3	1147.5
70°	353.4	415.3	477.2	539.2	601.1	663.0	724.9	786.8	905.0	1023.1	1141.3
72.5°	318.8	382.3	445.7	509.1	572.5	636.0	699.4	762.8	883.4	1004.0	1124.6
75°	284.7	348.9	413.0	477.1	541.2	605.4	669.5	733.6	853.7	973.8	1094.0
77.5°	251.3	315.5	379.6	443.7	507.8	572.0	636.1	700.2	817.0	933.7	1050.5
80°	218.4	281.7	345.0	408.4	471.7	535.0	598.3	661.6	772.6	883.5	994.5
82.5°	187.1	248.7	310.4	372.1	433.8	495.4	557.1	618.8	722.3	825.9	929.4
85°	157.6	217.0	276.5	336.0	395.5	454.9	514.4	573.9	669.2	764.5	859.8
87.5°	129.3	186.1	242.9	299.8	356.6	413.4	470.2	527.0	613.6	700.2	786.8
90°	107.4	160.7	213.9	267.1	320.3	373.6	426.8	480.0	558.6	637.2	715.8
92.5°	99.0	148.5	198.0	247.6	297.1	346.6	396.1	445.6	517.1	588.7	660.2
95°	91.9	137.4	182.8	228.3	273.7	319.2	364.6	410.1	475.8	541.6	607.3
97.5°	84.7	126.6	168.5	210.3	252.2	294.1	335.9	377.8	438.8	499.8	560.8
100°	76.8	115.1	153.5	191.9	230.3	268.6	307.0	345.4	402.7	460.0	517.2
102.5°	71.0	106.1	141.1	176.1	211.1	246.2	281.2	316.2	370.5	424.7	479.0
105°	64.8	96.7	128.6	160.4	192.3	224.2	256.1	288.0	340.2	392.4	444.5
107.5°	59.0	88.0	117.0	145.9	174.9	203.9	232.9	261.9	311.6	361.4	411.1
110°	53.2	79.3	105.4	131.4	157.5	183.6	209.7	235.8	283.5	331.1	378.8



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	48.3	72.0	95.6	119.3	142.9	166.6	190.2	213.9	259.2	304.6	349.9
115°	44.1	65.7	87.3	108.8	130.4	152.0	173.5	195.1	238.4	281.6	324.9
117.5°	40.0	59.5	79.0	98.4	117.9	137.4	156.9	176.4	217.4	258.5	299.5
120°	36.3	53.9	71.5	89.2	106.8	124.4	142.1	159.7	198.1	236.5	274.8
122.5°	32.6	48.3	64.1	79.9	95.7	111.4	127.2	143.0	178.4	213.7	249.1
125°	28.6	42.4	56.2	70.0	83.8	97.6	111.4	125.2	158.0	190.8	223.6
127.5°	24.4	36.1	47.8	59.6	71.3	83.0	94.7	106.4	137.1	167.9	198.6
130°	20.3	29.9	39.5	49.2	58.8	68.4	78.1	87.7	115.5	143.3	171.2
132.5°	17.4	25.1	32.7	40.4	48.0	55.7	63.3	71.0	95.7	120.4	145.1
135°	13.1	19.1	25.1	31.2	37.2	43.2	49.3	55.3	76.9	98.4	120.0
137.5°	9.8	14.2	18.6	23.1	27.5	31.9	36.3	40.7	59.4	78.0	96.7
140°	8.1	11.1	14.1	17.2	20.2	23.2	26.2	29.2	45.3	61.4	77.6
142.5°	5.4	7.6	9.8	12.1	14.3	16.5	18.7	20.9	34.5	48.0	61.6
145°	4.0	5.5	7.0	8.6	10.1	11.6	13.1	14.6	25.6	36.6	47.6
147.5°	4.2	5.2	6.3	7.3	8.4	9.4	10.5	11.5	20.2	28.9	37.6
150°	3.7	4.5	5.3	6.2	7.0	7.8	8.6	9.4	15.8	22.2	28.5
152.5°	3.3	3.8	4.4	5.0	5.6	6.1	6.7	7.3	11.8	16.3	20.9
155°	2.8	3.1	3.5	3.8	4.2	4.5	4.9	5.2	7.9	10.5	13.2
157.5°	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2	5.8	7.4	9.1
160°	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.9	4.7	5.5
162.5°	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.3	3.6	3.8
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1287.8	1288.7	1289.5	1290.3	1291.1	1291.9	1292.1	1292.4	1292.6	1292.8	1293.1
5°	1293.2	1294.8	1296.4	1298.1	1299.7	1301.3	1302.1	1302.9	1303.7	1304.5	1305.4
7.5°	1295.8	1298.4	1300.9	1303.5	1306.0	1308.6	1310.3	1312.1	1313.8	1315.6	1317.3
10°	1294.2	1298.0	1301.7	1305.4	1309.1	1312.8	1315.7	1318.6	1321.5	1324.4	1327.3
12.5°	1290.0	1294.9	1299.9	1304.9	1309.9	1314.9	1319.0	1323.0	1327.1	1331.1	1335.2
15°	1283.5	1289.9	1296.4	1302.9	1309.4	1315.9	1321.3	1326.8	1332.2	1337.7	1343.1
17.5°	1274.2	1282.5	1290.9	1299.2	1307.6	1315.9	1323.4	1331.0	1338.5	1346.0	1353.6
20°	1262.8	1273.0	1283.2	1293.4	1303.6	1313.8	1324.8	1335.8	1346.9	1357.9	1368.9
22.5°	1252.3	1265.7	1279.0	1292.3	1305.7	1319.0	1332.7	1346.4	1360.1	1373.8	1387.4
25°	1243.6	1260.9	1278.3	1295.7	1313.1	1330.5	1346.0	1361.6	1377.1	1392.6	1408.2
27.5°	1234.2	1255.7	1277.3	1298.9	1320.4	1342.0	1359.5	1377.0	1394.5	1412.0	1429.6
30°	1222.7	1248.4	1274.2	1299.9	1325.7	1351.4	1371.1	1390.8	1410.5	1430.2	1450.0
32.5°	1209.6	1239.6	1269.6	1299.7	1329.7	1359.7	1382.1	1404.5	1426.8	1449.2	1471.6
35°	1197.5	1231.8	1266.1	1300.5	1334.8	1369.1	1394.7	1420.3	1446.0	1471.6	1497.2
37.5°	1188.1	1226.6	1265.1	1303.6	1342.1	1380.6	1409.7	1438.8	1467.9	1497.0	1526.1
40°	1180.9	1223.4	1265.8	1308.2	1350.7	1393.1	1426.6	1460.1	1493.6	1527.1	1560.7
42.5°	1175.6	1222.4	1269.3	1316.1	1363.0	1409.8	1448.4	1487.0	1525.6	1564.2	1602.9
45°	1172.2	1223.7	1275.2	1326.6	1378.1	1429.6	1473.9	1518.2	1562.5	1606.8	1651.1
47.5°	1171.2	1227.9	1284.6	1341.3	1398.0	1454.7	1505.4	1556.0	1606.7	1657.4	1708.0
50°	1172.5	1235.0	1297.5	1360.0	1422.5	1485.0	1543.7	1602.3	1661.0	1719.7	1778.3
52.5°	1178.3	1246.9	1315.6	1384.2	1452.9	1521.5	1588.2	1654.8	1721.5	1788.2	1854.8
55°	1187.0	1262.2	1337.5	1412.7	1488.0	1563.2	1636.8	1710.5	1784.1	1857.7	1931.4
57.5°	1199.8	1282.8	1365.7	1448.6	1531.5	1614.4	1696.7	1779.0	1861.4	1943.7	2026.0
60°	1216.8	1307.5	1398.3	1489.1	1579.9	1670.7	1759.3	1847.9	1936.5	2025.1	2113.6
62.5°	1233.7	1332.4	1431.1	1529.7	1628.4	1727.1	1821.5	1915.9	2010.2	2104.6	2199.0
65°	1249.2	1355.5	1461.7	1567.9	1674.1	1780.3	1878.7	1977.2	2075.6	2174.0	2272.5
67.5°	1260.8	1374.1	1487.4	1600.6	1713.9	1827.2	1927.0	2026.9	2126.7	2226.5	2326.4
70°	1259.4	1377.6	1495.7	1613.9	1732.0	1850.2	1950.0	2049.9	2149.7	2249.5	2349.4
72.5°	1245.2	1365.7	1486.3	1606.9	1727.5	1848.1	1946.2	2044.3	2142.4	2240.5	2338.5
75°	1214.1	1334.2	1454.3	1574.5	1694.6	1814.7	1909.4	2004.2	2098.9	2193.6	2288.4
77.5°	1167.3	1284.0	1400.8	1517.6	1634.3	1751.1	1840.6	1930.1	2019.6	2109.1	2198.7
80°	1105.5	1216.4	1327.4	1438.4	1549.3	1660.3	1743.0	1825.6	1908.3	1991.0	2073.6
82.5°	1033.0	1136.5	1240.1	1343.6	1447.2	1550.7	1626.2	1701.7	1777.1	1852.6	1928.1
85°	955.1	1050.5	1145.8	1241.1	1336.4	1431.7	1500.0	1568.3	1636.6	1704.9	1773.2
87.5°	873.4	960.1	1046.7	1133.3	1219.9	1306.5	1367.6	1428.7	1489.8	1550.9	1612.1
90°	794.4	873.1	951.7	1030.3	1108.9	1187.5	1242.7	1297.9	1353.1	1408.3	1463.5
92.5°	731.8	803.3	874.9	946.4	1018.0	1089.5	1139.9	1190.4	1240.8	1291.2	1341.7
95°	673.1	738.8	804.6	870.3	936.1	1001.8	1049.5	1097.1	1144.8	1192.4	1240.1
97.5°	621.8	682.7	743.7	804.7	865.7	926.7	971.2	1015.7	1060.3	1104.8	1149.3
100°	574.5	631.8	689.1	746.3	803.6	860.9	903.8	946.7	989.6	1032.5	1075.4
102.5°	533.3	587.5	641.8	696.1	750.3	804.6	846.2	887.8	929.5	971.1	1012.7
105°	496.7	548.9	601.1	653.2	705.4	757.6	798.2	838.8	879.3	919.9	960.5
107.5°	460.9	510.6	560.4	610.1	659.9	709.6	749.6	789.6	829.6	869.6	909.6
110°	426.4	474.1	521.7	569.4	617.0	664.7	704.0	743.3	782.6	821.9	861.3



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	395.2	440.6	485.9	531.2	576.6	621.9	660.2	698.4	736.7	775.0	813.2
115°	368.1	411.4	454.6	497.9	541.1	584.4	620.9	657.4	694.0	730.5	767.0
117.5°	340.6	381.6	422.7	463.7	504.8	545.8	580.8	615.8	650.8	685.8	720.9
120°	313.2	351.6	390.0	428.3	466.7	505.1	539.3	573.5	607.7	641.9	676.1
122.5°	284.4	319.8	355.1	390.5	425.8	461.2	494.7	528.2	561.7	595.2	628.8
125°	256.4	289.3	322.1	354.9	387.7	420.5	452.3	484.1	515.8	547.6	579.4
127.5°	229.3	260.1	290.8	321.5	352.3	383.0	412.1	441.2	470.3	499.4	528.5
130°	199.0	226.8	254.6	282.5	310.3	338.1	364.8	391.4	418.1	444.8	471.4
132.5°	169.8	194.4	219.1	243.8	268.5	293.2	318.5	343.8	369.0	394.3	419.6
135°	141.6	163.1	184.7	206.3	227.8	249.4	273.6	297.9	322.1	346.3	370.6
137.5°	115.4	134.0	152.7	171.4	190.0	208.7	231.3	253.9	276.5	299.1	321.8
140°	93.7	109.8	125.9	142.1	158.2	174.3	194.0	213.7	233.4	253.1	272.9
142.5°	75.2	88.7	102.3	115.9	129.4	143.0	159.8	176.6	193.4	210.2	227.1
145°	58.6	69.7	80.7	91.7	102.7	113.7	127.7	141.8	155.8	169.8	183.9
147.5°	46.3	54.9	63.6	72.3	81.0	89.7	101.3	112.9	124.5	136.1	147.7
150°	34.9	41.3	47.7	54.0	60.4	66.8	76.3	85.8	95.3	104.8	114.4
152.5°	25.4	29.9	34.4	39.0	43.5	48.0	55.5	63.1	70.6	78.1	85.7
155°	15.9	18.5	21.2	23.9	26.5	29.2	35.2	41.3	47.3	53.3	59.4
157.5°	10.7	12.3	13.9	15.6	17.2	18.8	23.1	27.4	31.7	36.0	40.2
160°	6.3	7.2	8.0	8.8	9.6	10.4	13.0	15.5	18.1	20.6	23.2
162.5°	4.0	4.3	4.5	4.7	5.0	5.2	6.2	7.3	8.3	9.4	10.4
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.8	3.1	3.5	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLEDD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2	1274.2
2.5°	1293.3	1293.5	1293.8	1294.0	1292.7	1291.4	1290.2	1288.9	1287.6	1286.3	1285.1
5°	1306.2	1307.0	1307.8	1308.6	1308.5	1308.4	1308.3	1308.2	1308.0	1307.9	1307.8
7.5°	1319.1	1320.8	1322.6	1324.3	1324.4	1324.5	1324.6	1324.7	1324.9	1325.0	1325.1
10°	1330.2	1333.1	1336.0	1338.9	1339.2	1339.6	1339.9	1340.3	1340.6	1341.0	1341.3
12.5°	1339.2	1343.3	1347.3	1351.4	1352.3	1353.2	1354.2	1355.1	1356.0	1356.9	1357.9
15°	1348.6	1354.0	1359.5	1364.9	1366.6	1368.4	1370.1	1371.9	1373.6	1375.4	1377.1
17.5°	1361.1	1368.6	1376.2	1383.7	1387.0	1390.2	1393.5	1396.7	1400.0	1403.2	1406.5
20°	1379.9	1391.0	1402.0	1413.0	1417.1	1421.1	1425.2	1429.2	1433.3	1437.3	1441.4
22.5°	1401.1	1414.8	1428.5	1442.2	1446.7	1451.2	1455.8	1460.3	1464.8	1469.3	1473.9
25°	1423.7	1439.2	1454.8	1470.3	1475.5	1480.7	1486.0	1491.2	1496.4	1501.6	1506.9
27.5°	1447.1	1464.6	1482.1	1499.6	1505.6	1511.6	1517.7	1523.7	1529.7	1535.7	1541.8
30°	1469.7	1489.4	1509.1	1528.8	1536.1	1543.4	1550.7	1558.0	1565.3	1572.6	1579.9
32.5°	1494.0	1516.3	1538.7	1561.1	1570.1	1579.2	1588.2	1597.3	1606.3	1615.4	1624.4
35°	1522.8	1548.5	1574.1	1599.7	1610.5	1621.3	1632.1	1642.9	1653.6	1664.4	1675.2
37.5°	1555.2	1584.3	1613.4	1642.5	1654.9	1667.3	1679.7	1692.1	1704.6	1717.0	1729.4
40°	1594.2	1627.7	1661.2	1694.7	1709.5	1724.4	1739.2	1754.1	1768.9	1783.8	1798.6
42.5°	1641.5	1680.1	1718.7	1757.3	1774.3	1791.4	1808.4	1825.5	1842.5	1859.6	1876.6
45°	1695.4	1739.7	1784.0	1828.3	1849.2	1870.0	1890.9	1911.8	1932.6	1953.5	1974.4
47.5°	1758.7	1809.4	1860.0	1910.7	1933.8	1956.9	1979.9	2003.0	2026.1	2049.2	2072.2
50°	1837.0	1895.7	1954.3	2013.0	2038.5	2064.0	2089.5	2115.0	2140.6	2166.1	2191.6
52.5°	1921.5	1988.2	2054.8	2121.5	2149.7	2177.9	2206.0	2234.2	2262.4	2290.6	2318.7
55°	2005.0	2078.6	2152.3	2225.9	2257.4	2289.0	2320.5	2352.0	2383.6	2415.1	2446.6
57.5°	2108.3	2190.7	2273.0	2355.3	2387.6	2420.0	2452.3	2484.7	2517.0	2549.4	2581.7
60°	2202.2	2290.8	2379.4	2468.0	2502.0	2535.9	2569.9	2603.9	2637.8	2671.8	2705.8
62.5°	2293.4	2387.7	2482.1	2576.5	2610.4	2644.2	2678.1	2711.9	2745.8	2779.6	2813.5
65°	2370.9	2469.3	2567.8	2666.2	2699.4	2732.5	2765.7	2798.9	2832.0	2865.2	2898.4
67.5°	2426.2	2526.0	2625.9	2725.7	2758.1	2790.4	2822.8	2855.1	2887.5	2919.8	2952.2
70°	2449.2	2549.0	2648.9	2748.7	2779.9	2811.1	2842.3	2873.5	2904.6	2935.8	2967.0
72.5°	2436.6	2534.7	2632.8	2730.9	2760.4	2789.8	2819.3	2848.7	2878.2	2907.6	2937.1
75°	2383.1	2477.8	2572.6	2667.3	2694.8	2722.3	2749.7	2777.2	2804.7	2832.2	2859.6
77.5°	2288.2	2377.7	2467.2	2556.7	2582.6	2608.4	2634.3	2660.1	2686.0	2711.8	2737.7
80°	2156.3	2239.0	2321.6	2404.3	2428.9	2453.5	2478.0	2502.6	2527.2	2551.8	2576.3
82.5°	2003.6	2079.0	2154.5	2230.0	2253.1	2276.2	2299.2	2322.3	2345.4	2368.5	2391.5
85°	1841.5	1909.8	1978.1	2046.4	2067.3	2088.1	2109.0	2129.9	2150.7	2171.6	2192.5
87.5°	1673.2	1734.3	1795.4	1856.5	1876.6	1896.6	1916.7	1936.7	1956.8	1976.8	1996.9
90°	1518.7	1573.9	1629.1	1684.3	1703.3	1722.3	1741.3	1760.3	1779.4	1798.4	1817.4
92.5°	1392.1	1442.5	1493.0	1543.4	1561.3	1579.1	1597.0	1614.8	1632.7	1650.5	1668.4
95°	1287.7	1335.4	1383.0	1430.7	1446.9	1463.2	1479.4	1495.6	1511.9	1528.1	1544.3
97.5°	1193.8	1238.4	1282.9	1327.4	1343.6	1359.9	1376.1	1392.3	1408.6	1424.8	1441.0
100°	1118.3	1161.2	1204.1	1247.0	1262.7	1278.3	1294.0	1309.6	1325.3	1340.9	1356.6
102.5°	1054.3	1096.0	1137.6	1179.2	1194.7	1210.3	1225.8	1241.3	1256.9	1272.4	1287.9
105°	1001.1	1041.6	1082.2	1122.8	1138.0	1153.2	1168.4	1183.6	1198.8	1214.0	1229.2
107.5°	949.6	989.6	1029.6	1069.6	1084.8	1100.0	1115.2	1130.4	1145.5	1160.7	1175.9
110°	900.6	939.9	979.2	1018.5	1033.6	1048.7	1063.7	1078.8	1093.9	1109.0	1124.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	851.5	889.8	928.0	966.3	981.4	996.5	1011.5	1026.6	1041.7	1056.8	1071.8
115°	803.5	840.1	876.6	913.1	927.8	942.5	957.3	972.0	986.7	1001.4	1016.2
117.5°	755.9	790.9	825.9	860.9	875.0	889.2	903.3	917.5	931.6	945.8	959.9
120°	710.3	744.5	778.7	812.9	826.2	839.6	852.9	866.2	879.6	892.9	906.2
122.5°	662.3	695.8	729.3	762.8	775.9	789.0	802.1	815.2	828.3	841.4	854.5
125°	611.2	642.9	674.7	706.5	719.5	732.5	745.5	758.5	771.4	784.4	797.4
127.5°	557.6	586.7	615.8	644.9	657.7	670.4	683.2	695.9	708.7	721.4	734.2
130°	498.1	524.8	551.4	578.1	590.3	602.5	614.6	626.8	639.0	651.2	663.3
132.5°	444.9	470.1	495.4	520.7	531.0	541.3	551.7	562.0	572.3	582.6	593.0
135°	394.8	419.0	443.3	467.5	476.5	485.6	494.6	503.7	512.7	521.8	530.8
137.5°	344.4	367.0	389.6	412.2	420.9	429.6	438.3	447.0	455.7	464.4	473.1
140°	292.6	312.3	332.0	351.7	360.7	369.8	378.8	387.9	396.9	406.0	415.0
142.5°	243.9	260.7	277.5	294.3	303.6	312.9	322.1	331.4	340.7	350.0	359.2
145°	197.9	211.9	226.0	240.0	249.4	258.8	268.2	277.6	286.9	296.3	305.7
147.5°	159.3	170.9	182.5	194.1	203.3	212.4	221.6	230.7	239.9	249.0	258.2
150°	123.9	133.4	142.9	152.4	160.9	169.3	177.8	186.2	194.7	203.1	211.6
152.5°	93.2	100.7	108.3	115.8	123.7	131.6	139.5	147.4	155.2	163.1	171.0
155°	65.4	71.4	77.5	83.5	90.6	97.6	104.7	111.8	118.8	125.9	133.0
157.5°	44.5	48.8	53.1	57.4	63.3	69.2	75.1	81.0	87.0	92.9	98.8
160°	25.7	28.3	30.8	33.4	38.3	43.1	48.0	52.9	57.7	62.6	67.5
162.5°	11.5	12.5	13.6	14.6	18.1	21.6	25.0	28.5	32.0	35.5	38.9
165°	4.2	4.5	4.9	5.2	7.4	9.6	11.8	14.0	16.2	18.4	20.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1274.2	1274.2
2.5°	1283.8	1282.5
5°	1307.7	1307.6
7.5°	1325.2	1325.3
10°	1341.7	1342.0
12.5°	1358.8	1359.7
15°	1378.9	1380.6
17.5°	1409.7	1413.0
20°	1445.4	1449.5
22.5°	1478.4	1482.9
25°	1512.1	1517.3
27.5°	1547.8	1553.8
30°	1587.2	1594.5
32.5°	1633.5	1642.5
35°	1686.0	1696.8
37.5°	1741.8	1754.2
40°	1813.5	1828.3
42.5°	1893.7	1910.7
45°	1995.2	2016.1
47.5°	2095.3	2118.4
50°	2217.1	2242.6
52.5°	2346.9	2375.1
55°	2478.2	2509.7
57.5°	2614.1	2646.4
60°	2739.7	2773.7
62.5°	2847.3	2881.2
65°	2931.5	2964.7
67.5°	2984.5	3016.9
70°	2998.2	3029.4
72.5°	2966.5	2996.0
75°	2887.1	2914.6
77.5°	2763.5	2789.4
80°	2600.9	2625.5
82.5°	2414.6	2437.7
85°	2213.3	2234.2
87.5°	2016.9	2037.0
90°	1836.4	1855.4
92.5°	1686.2	1704.1
95°	1560.6	1576.8
97.5°	1457.3	1473.5
100°	1372.2	1387.9
102.5°	1303.5	1319.0
105°	1244.4	1259.6
107.5°	1191.1	1206.3
110°	1139.1	1154.2





TEST NUMBER: P201353

CATALOG NUMBER: 4LBLED-LD4-10-ASYMF-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1086.9	1102.0
115°	1030.9	1045.6
117.5°	974.1	988.2
120°	919.6	932.9
122.5°	867.6	880.7
125°	810.4	823.4
127.5°	746.9	759.7
130°	675.5	687.7
132.5°	603.3	613.6
135°	539.9	548.9
137.5°	481.8	490.5
140°	424.1	433.1
142.5°	368.5	377.8
145°	315.1	324.5
147.5°	267.3	276.5
150°	220.0	228.5
152.5°	178.9	186.8
155°	140.0	147.1
157.5°	104.7	110.6
160°	72.3	77.2
162.5°	42.4	45.9
165°	22.8	25.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)