

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: CORELITE

Report Number: P#

Luminaire Tested: **44ID-50-L850-CFR2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-50-L850-CFR2  
Description: 5000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS  
AND 5000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No. Condition Description

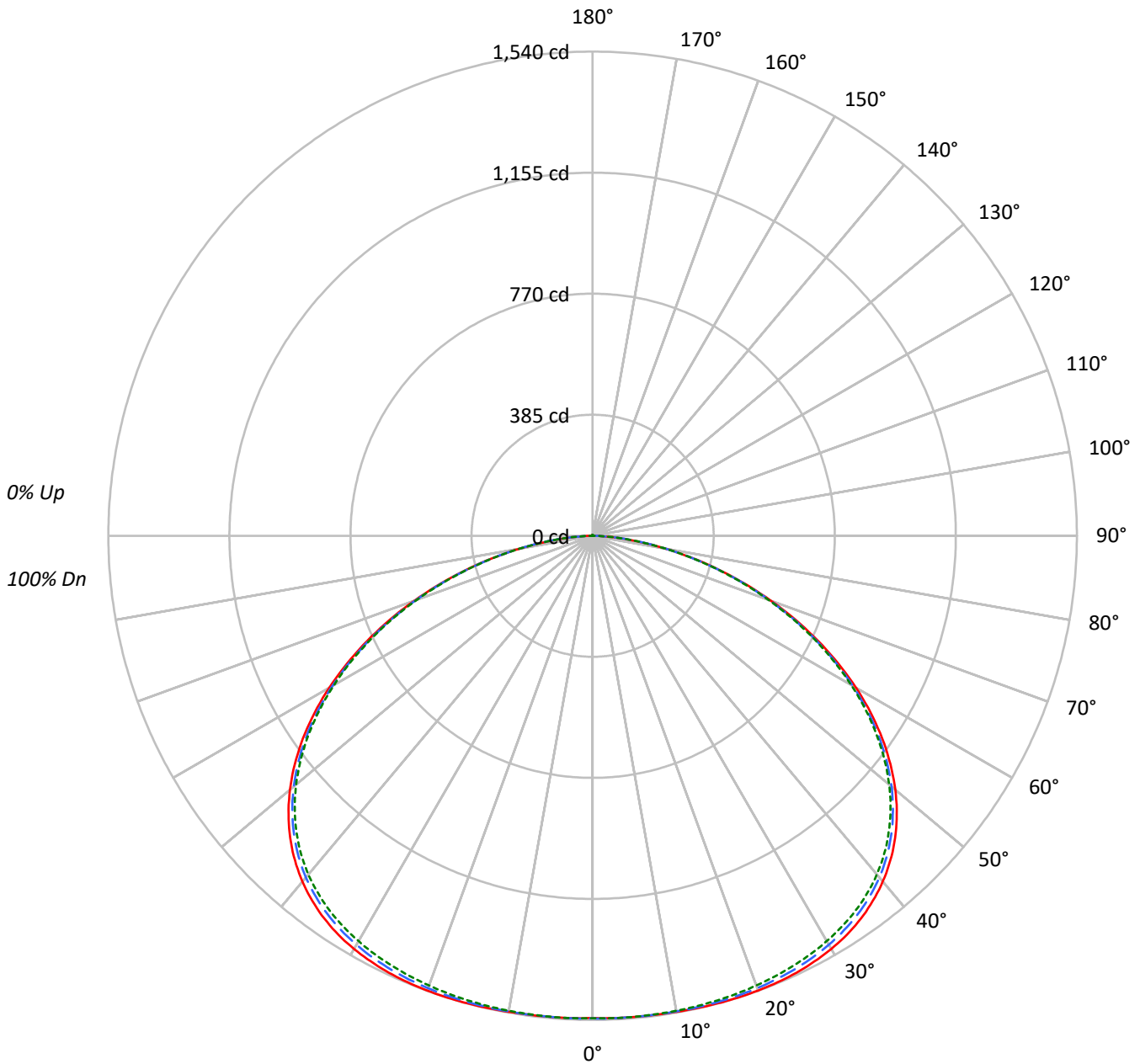
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5557.0 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57  
Luminous Opening: Rectangular (W 3.88' x L: 3.88' x H: 0')  
CIE Type: Direct

Input Watts (W): 39  
Input Voltage (V):  
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: P#  
CATALOG NUMBER: 44ID-50-L850-CFR2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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 | 100 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 108 | 103 | 99  | 95  | 105 | 101 | 97  | 93  | 97  | 93  | 90  | 93  | 90  | 87  | 89  | 87  | 85  | 82  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 73  | 80  | 76  | 71  | 77  | 73  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 89  | 78  | 69  | 62  | 86  | 76  | 68  | 62  | 73  | 66  | 60  | 70  | 64  | 59  | 67  | 63  | 58  | 56  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 81  | 68  | 59  | 52  | 78  | 67  | 58  | 52  | 64  | 57  | 51  | 62  | 55  | 50  | 60  | 54  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 74  | 61  | 51  | 44  | 72  | 59  | 51  | 44  | 57  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 38  | 50  | 43  | 37  | 48  | 42  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 63  | 49  | 40  | 33  | 61  | 48  | 39  | 33  | 46  | 39  | 33  | 45  | 38  | 33  | 43  | 37  | 32  | 30  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 58  | 44  | 36  | 29  | 57  | 44  | 35  | 29  | 42  | 35  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 27  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 54  | 41  | 32  | 26  | 53  | 40  | 32  | 26  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 24  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 51  | 37  | 29  | 24  | 50  | 37  | 29  | 24  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 28  | 23  | 21  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1096 | 1096 | 1096 |
| 5°  | 1101 | 1101 | 1101 |
| 10° | 1115 | 1114 | 1112 |
| 15° | 1138 | 1135 | 1131 |
| 20° | 1169 | 1163 | 1157 |
| 25° | 1208 | 1198 | 1189 |
| 30° | 1251 | 1238 | 1227 |
| 35° | 1296 | 1281 | 1269 |
| 40° | 1338 | 1322 | 1311 |
| 45° | 1373 | 1356 | 1345 |
| 50° | 1395 | 1378 | 1367 |
| 55° | 1399 | 1382 | 1372 |
| 60° | 1381 | 1364 | 1356 |
| 65° | 1336 | 1321 | 1315 |
| 70° | 1259 | 1246 | 1240 |
| 75° | 1141 | 1134 | 1128 |
| 80° | 971  | 974  | 963  |
| 85° | 723  | 740  | 740  |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 146.6  | 2.6       |
| 10°-20°   | 435.0  | 7.8       |
| 20°-30°   | 703.2  | 12.7      |
| 30°-40°   | 921.0  | 16.6      |
| 40°-50°   | 1035.9 | 18.6      |
| 50°-60°   | 991.3  | 17.8      |
| 60°-70°   | 773.1  | 13.9      |
| 70°-80°   | 435.7  | 7.8       |
| 80°-90°   | 107.8  | 1.9       |
| 90°-100°  | 0.4    | 0.0       |
| 100°-110° | 0.6    | 0.0       |
| 110°-120° | 1.1    | 0.0       |
| 120°-130° | 1.8    | 0.0       |
| 130°-140° | 1.4    | 0.0       |
| 140°-150° | 0.9    | 0.0       |
| 150°-160° | 0.6    | 0.0       |
| 160°-170° | 0.4    | 0.0       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 1284.8 | 23.1      |
| 0°-40°    | 2205.8 | 39.7      |
| 0°-60°    | 4233.0 | 76.2      |
| 0°-90°    | 5549.6 | 99.9      |
| 90°-120°  | 2.1    | 0.0       |
| 90°-150°  | 6.1    | 0.1       |
| 90°-180°  | 7.0    | 0.1       |
| 0°-180°   | 5557.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1535 | 1535  | 1535 | 1535  | 1535 |      |
| 5°   | 1536 | 1537  | 1536 | 1536  | 1536 | 147  |
| 15°  | 1540 | 1539  | 1535 | 1532  | 1530 | 436  |
| 25°  | 1533 | 1531  | 1521 | 1513  | 1509 | 709  |
| 35°  | 1487 | 1482  | 1470 | 1461  | 1456 | 931  |
| 45°  | 1360 | 1354  | 1343 | 1337  | 1332 | 1048 |
| 55°  | 1124 | 1118  | 1111 | 1106  | 1102 | 1002 |
| 65°  | 791  | 788   | 782  | 780   | 778  | 781  |
| 75°  | 414  | 414   | 411  | 410   | 409  | 438  |
| 85°  | 88   | 89    | 90   | 91    | 90   | 102  |
| 90°  | 1    | 1     | 1    | 1     | 1    | 4    |
| 95°  | 0    | 0     | 0    | 0     | 0    | 0    |
| 105° | 1    | 1     | 1    | 1     | 1    | 1    |
| 115° | 1    | 1     | 1    | 1     | 1    | 1    |
| 125° | 2    | 2     | 2    | 2     | 2    | 2    |
| 135° | 2    | 2     | 2    | 2     | 2    | 1    |
| 145° | 1    | 1     | 1    | 1     | 1    | 1    |
| 155° | 1    | 1     | 1    | 1     | 2    | 1    |
| 165° | 1    | 1     | 1    | 2     | 2    | 0    |
| 175° | 2    | 2     | 2    | 2     | 2    | 0    |
| 180° | 2    | 2     | 2    | 2     | 2    |      |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1534.7 | 1534.7 | 1534.7 | 1534.7 | 1534.7 |
| 0.5°  | 1534.3 | 1535.4 | 1535.8 | 1535.4 | 1534.7 |
| 1°    | 1534.7 | 1535.4 | 1535.8 | 1535.8 | 1535.1 |
| 1.5°  | 1535.1 | 1535.8 | 1535.8 | 1535.8 | 1535.4 |
| 2°    | 1535.1 | 1535.8 | 1535.8 | 1536.2 | 1535.4 |
| 2.5°  | 1535.4 | 1536.2 | 1536.2 | 1536.2 | 1535.4 |
| 3°    | 1535.8 | 1536.2 | 1536.2 | 1536.2 | 1535.8 |
| 3.5°  | 1535.8 | 1536.2 | 1536.2 | 1536.2 | 1535.8 |
| 4°    | 1536.2 | 1536.2 | 1536.2 | 1536.2 | 1535.8 |
| 4.5°  | 1536.2 | 1536.6 | 1536.2 | 1536.2 | 1535.8 |
| 5°    | 1536.2 | 1536.6 | 1536.2 | 1536.2 | 1535.8 |
| 5.5°  | 1536.2 | 1536.6 | 1536.2 | 1536.2 | 1535.8 |
| 6°    | 1536.6 | 1536.6 | 1536.2 | 1536.2 | 1535.4 |
| 6.5°  | 1536.6 | 1536.9 | 1536.6 | 1536.2 | 1535.4 |
| 7°    | 1536.6 | 1536.9 | 1536.2 | 1536.2 | 1535.4 |
| 7.5°  | 1536.6 | 1536.9 | 1536.2 | 1535.8 | 1535.1 |
| 8°    | 1536.9 | 1536.9 | 1536.6 | 1535.8 | 1535.1 |
| 8.5°  | 1536.9 | 1537.3 | 1536.2 | 1535.8 | 1534.7 |
| 9°    | 1537.3 | 1537.3 | 1536.6 | 1535.4 | 1534.7 |
| 9.5°  | 1537.3 | 1537.7 | 1536.2 | 1535.4 | 1534.3 |
| 10°   | 1537.7 | 1537.7 | 1536.2 | 1535.1 | 1533.9 |
| 10.5° | 1538.1 | 1538.1 | 1536.2 | 1535.1 | 1533.9 |
| 11°   | 1538.1 | 1538.1 | 1536.2 | 1534.7 | 1533.6 |
| 11.5° | 1538.4 | 1538.4 | 1536.2 | 1534.3 | 1533.2 |
| 12°   | 1538.4 | 1538.4 | 1536.2 | 1534.3 | 1532.8 |
| 12.5° | 1538.8 | 1538.4 | 1535.8 | 1533.9 | 1532.4 |
| 13°   | 1538.8 | 1538.4 | 1535.8 | 1533.6 | 1532.1 |
| 13.5° | 1539.2 | 1538.8 | 1535.8 | 1533.2 | 1531.7 |
| 14°   | 1539.2 | 1538.8 | 1535.8 | 1532.8 | 1530.9 |
| 14.5° | 1539.5 | 1538.8 | 1535.4 | 1532.4 | 1530.6 |
| 15°   | 1539.5 | 1539.2 | 1535.4 | 1532.1 | 1530.2 |
| 15.5° | 1539.9 | 1539.2 | 1535.1 | 1531.3 | 1529.4 |
| 16°   | 1539.5 | 1539.2 | 1534.7 | 1530.9 | 1528.7 |
| 16.5° | 1539.9 | 1539.2 | 1534.7 | 1530.2 | 1527.9 |
| 17°   | 1539.9 | 1538.8 | 1534.3 | 1529.4 | 1527.6 |
| 17.5° | 1539.9 | 1538.8 | 1533.6 | 1529.1 | 1526.8 |
| 18°   | 1539.9 | 1538.8 | 1533.2 | 1528.3 | 1525.7 |
| 18.5° | 1539.9 | 1538.4 | 1532.8 | 1527.6 | 1524.9 |
| 19°   | 1539.5 | 1538.4 | 1532.4 | 1526.8 | 1524.2 |
| 19.5° | 1539.5 | 1538.1 | 1531.7 | 1525.7 | 1523.1 |
| 20°   | 1539.2 | 1537.7 | 1530.9 | 1524.9 | 1522.3 |
| 20.5° | 1538.8 | 1537.3 | 1530.6 | 1524.2 | 1521.2 |
| 21°   | 1538.8 | 1536.9 | 1529.8 | 1523.1 | 1520.1 |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 22.5° | 1537.3 | 1535.1 | 1527.2 | 1519.7 | 1516.3 |
| 23°   | 1536.6 | 1534.3 | 1526.1 | 1518.6 | 1515.2 |
| 23.5° | 1535.8 | 1533.6 | 1524.9 | 1517.1 | 1513.7 |
| 24°   | 1535.1 | 1532.8 | 1523.8 | 1515.6 | 1512.2 |
| 24.5° | 1534.3 | 1531.7 | 1522.7 | 1514.1 | 1510.7 |
| 25°   | 1533.2 | 1530.6 | 1521.2 | 1512.6 | 1509.2 |
| 25.5° | 1532.1 | 1529.4 | 1519.7 | 1511.1 | 1507.4 |
| 26°   | 1530.9 | 1528.3 | 1518.2 | 1509.6 | 1505.9 |
| 26.5° | 1529.8 | 1526.8 | 1516.7 | 1507.7 | 1504.0 |
| 27°   | 1528.3 | 1525.3 | 1514.8 | 1505.9 | 1502.1 |
| 27.5° | 1526.8 | 1523.8 | 1513.0 | 1504.0 | 1500.2 |
| 28°   | 1525.3 | 1522.0 | 1511.1 | 1502.1 | 1498.4 |
| 28.5° | 1523.5 | 1520.1 | 1509.2 | 1499.9 | 1496.1 |
| 29°   | 1521.6 | 1518.2 | 1507.0 | 1497.6 | 1493.9 |
| 29.5° | 1519.7 | 1516.0 | 1504.7 | 1495.4 | 1491.3 |
| 30°   | 1517.5 | 1513.7 | 1502.1 | 1492.8 | 1488.6 |
| 30.5° | 1515.2 | 1511.5 | 1499.5 | 1490.1 | 1486.4 |
| 31°   | 1512.6 | 1508.9 | 1496.9 | 1487.5 | 1483.4 |
| 31.5° | 1510.4 | 1506.2 | 1493.9 | 1484.9 | 1480.8 |
| 32°   | 1507.4 | 1503.2 | 1491.3 | 1481.9 | 1477.8 |
| 32.5° | 1504.4 | 1500.2 | 1487.9 | 1478.5 | 1474.4 |
| 33°   | 1501.4 | 1496.9 | 1484.5 | 1475.5 | 1471.0 |
| 33.5° | 1498.0 | 1493.5 | 1481.2 | 1472.2 | 1467.7 |
| 34°   | 1494.3 | 1489.8 | 1477.4 | 1468.4 | 1464.3 |
| 34.5° | 1490.5 | 1486.0 | 1473.7 | 1464.7 | 1460.6 |
| 35°   | 1486.8 | 1481.9 | 1469.6 | 1460.6 | 1456.5 |
| 35.5° | 1482.7 | 1477.8 | 1465.4 | 1456.5 | 1452.3 |
| 36°   | 1478.5 | 1473.3 | 1460.9 | 1452.3 | 1447.8 |
| 36.5° | 1473.7 | 1468.8 | 1456.5 | 1447.8 | 1443.7 |
| 37°   | 1468.8 | 1463.9 | 1451.6 | 1443.0 | 1438.9 |
| 37.5° | 1463.9 | 1458.7 | 1446.7 | 1438.1 | 1433.6 |
| 38°   | 1458.7 | 1453.8 | 1441.5 | 1433.2 | 1428.8 |
| 38.5° | 1453.5 | 1448.2 | 1435.9 | 1427.6 | 1423.5 |
| 39°   | 1447.8 | 1442.2 | 1430.2 | 1422.4 | 1417.9 |
| 39.5° | 1441.9 | 1436.2 | 1424.6 | 1416.4 | 1412.3 |
| 40°   | 1435.5 | 1430.2 | 1418.3 | 1410.4 | 1406.3 |
| 40.5° | 1429.5 | 1423.9 | 1411.9 | 1404.4 | 1399.9 |
| 41°   | 1422.8 | 1417.1 | 1405.5 | 1397.7 | 1393.2 |
| 41.5° | 1415.7 | 1410.0 | 1398.4 | 1390.9 | 1386.5 |
| 42°   | 1408.5 | 1402.9 | 1391.3 | 1384.2 | 1379.3 |
| 42.5° | 1401.1 | 1395.4 | 1383.8 | 1376.7 | 1372.2 |
| 43°   | 1393.6 | 1387.6 | 1376.3 | 1369.2 | 1364.7 |
| 43.5° | 1385.7 | 1379.7 | 1368.5 | 1361.4 | 1356.9 |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 45°   | 1359.9 | 1353.9 | 1343.0 | 1336.7 | 1331.8 |
| 45.5° | 1350.9 | 1344.5 | 1334.1 | 1327.7 | 1323.2 |
| 46°   | 1341.5 | 1335.2 | 1324.7 | 1318.3 | 1313.8 |
| 46.5° | 1331.8 | 1325.4 | 1315.3 | 1309.0 | 1304.5 |
| 47°   | 1321.7 | 1315.7 | 1305.2 | 1299.6 | 1294.7 |
| 47.5° | 1311.6 | 1305.2 | 1295.1 | 1289.5 | 1284.6 |
| 48°   | 1301.5 | 1294.7 | 1285.0 | 1279.0 | 1274.2 |
| 48.5° | 1290.6 | 1284.3 | 1274.5 | 1268.9 | 1264.4 |
| 49°   | 1279.0 | 1273.0 | 1263.3 | 1257.3 | 1253.2 |
| 49.5° | 1267.8 | 1261.8 | 1252.1 | 1246.5 | 1242.0 |
| 50°   | 1256.2 | 1249.8 | 1240.8 | 1235.2 | 1230.7 |
| 50.5° | 1244.2 | 1237.9 | 1228.9 | 1223.3 | 1219.1 |
| 51°   | 1232.2 | 1225.9 | 1216.9 | 1211.3 | 1206.8 |
| 51.5° | 1219.5 | 1213.1 | 1204.2 | 1198.9 | 1194.8 |
| 52°   | 1206.8 | 1200.4 | 1191.4 | 1186.6 | 1182.5 |
| 52.5° | 1194.1 | 1187.7 | 1178.7 | 1173.5 | 1169.7 |
| 53°   | 1180.2 | 1174.2 | 1166.0 | 1161.1 | 1157.0 |
| 53.5° | 1166.4 | 1160.4 | 1152.1 | 1147.3 | 1143.5 |
| 54°   | 1152.5 | 1146.5 | 1138.3 | 1133.4 | 1130.0 |
| 54.5° | 1139.0 | 1132.7 | 1124.8 | 1119.9 | 1116.6 |
| 55°   | 1124.4 | 1118.4 | 1110.6 | 1105.7 | 1102.4 |
| 55.5° | 1109.8 | 1103.8 | 1096.0 | 1091.1 | 1088.1 |
| 56°   | 1094.5 | 1088.9 | 1081.0 | 1076.9 | 1073.9 |
| 56.5° | 1079.1 | 1073.9 | 1066.0 | 1061.9 | 1058.9 |
| 57°   | 1064.2 | 1058.6 | 1051.1 | 1047.3 | 1044.3 |
| 57.5° | 1049.2 | 1043.2 | 1035.7 | 1032.0 | 1029.0 |
| 58°   | 1032.7 | 1027.1 | 1020.0 | 1016.3 | 1013.6 |
| 58.5° | 1016.6 | 1011.4 | 1003.9 | 1000.5 | 997.9  |
| 59°   | 1000.5 | 995.3  | 988.2  | 984.8  | 982.2  |
| 59.5° | 983.7  | 978.8  | 971.7  | 968.3  | 965.7  |
| 60°   | 967.2  | 962.0  | 955.2  | 952.3  | 949.6  |
| 60.5° | 950.4  | 945.9  | 938.8  | 935.8  | 933.2  |
| 61°   | 933.2  | 928.7  | 921.9  | 918.9  | 916.3  |
| 61.5° | 915.6  | 911.8  | 905.1  | 902.1  | 899.8  |
| 62°   | 898.4  | 894.6  | 887.9  | 885.2  | 883.0  |
| 62.5° | 880.8  | 877.0  | 870.3  | 867.7  | 865.4  |
| 63°   | 863.2  | 859.4  | 853.1  | 850.4  | 848.2  |
| 63.5° | 845.2  | 841.5  | 835.5  | 832.8  | 830.6  |
| 64°   | 827.2  | 823.5  | 817.1  | 815.3  | 812.6  |
| 64.5° | 809.3  | 805.5  | 799.2  | 797.3  | 795.0  |
| 65°   | 790.9  | 787.9  | 781.9  | 779.7  | 778.2  |
| 65.5° | 773.0  | 769.2  | 763.6  | 761.7  | 759.5  |
| 66°   | 753.9  | 750.9  | 745.3  | 743.4  | 741.9  |





TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 67.5° | 698.5 | 695.1 | 690.2 | 688.4 | 686.5 |
| 68°   | 679.4 | 676.4 | 671.5 | 670.0 | 668.1 |
| 68.5° | 660.3 | 657.3 | 652.4 | 651.3 | 650.2 |
| 69°   | 641.2 | 638.2 | 634.1 | 633.0 | 631.5 |
| 69.5° | 622.5 | 619.5 | 615.7 | 614.6 | 612.7 |
| 70°   | 603.4 | 600.8 | 597.0 | 595.9 | 594.0 |
| 70.5° | 584.3 | 581.7 | 578.3 | 577.2 | 575.3 |
| 71°   | 565.2 | 563.0 | 560.0 | 558.5 | 556.6 |
| 71.5° | 546.5 | 544.3 | 540.9 | 539.8 | 538.3 |
| 72°   | 527.4 | 525.5 | 522.2 | 521.4 | 519.5 |
| 72.5° | 508.3 | 506.8 | 503.5 | 502.7 | 501.2 |
| 73°   | 489.2 | 487.7 | 484.4 | 483.6 | 482.5 |
| 73.5° | 470.5 | 469.0 | 466.0 | 464.9 | 463.8 |
| 74°   | 451.8 | 450.7 | 447.7 | 446.9 | 445.4 |
| 74.5° | 432.7 | 432.0 | 429.3 | 428.2 | 427.1 |
| 75°   | 413.6 | 413.6 | 411.0 | 410.2 | 409.1 |
| 75.5° | 395.3 | 395.3 | 392.7 | 391.9 | 390.8 |
| 76°   | 376.9 | 376.9 | 374.3 | 373.6 | 372.1 |
| 76.5° | 358.4 | 358.6 | 356.3 | 355.6 | 354.3 |
| 77°   | 340.7 | 340.8 | 338.8 | 337.8 | 336.6 |
| 77.5° | 321.7 | 322.6 | 320.9 | 320.0 | 318.8 |
| 78°   | 304.0 | 305.1 | 303.4 | 302.7 | 301.7 |
| 78.5° | 287.3 | 288.0 | 286.9 | 286.0 | 284.6 |
| 79°   | 269.8 | 270.4 | 269.7 | 268.9 | 267.5 |
| 79.5° | 252.6 | 253.5 | 253.0 | 252.4 | 250.7 |
| 80°   | 236.1 | 236.8 | 236.9 | 235.9 | 234.3 |
| 80.5° | 218.7 | 220.1 | 220.3 | 219.3 | 218.5 |
| 81°   | 202.7 | 204.0 | 204.3 | 203.7 | 202.7 |
| 81.5° | 186.9 | 188.4 | 188.7 | 188.4 | 187.0 |
| 82°   | 171.0 | 172.9 | 173.5 | 173.2 | 171.7 |
| 82.5° | 155.9 | 158.0 | 158.6 | 158.4 | 157.0 |
| 83°   | 141.2 | 143.5 | 144.1 | 144.3 | 143.0 |
| 83.5° | 127.0 | 129.2 | 129.9 | 130.1 | 128.8 |
| 84°   | 113.4 | 115.4 | 116.3 | 116.6 | 115.5 |
| 84.5° | 100.5 | 102.0 | 103.1 | 103.6 | 103.0 |
| 85°   | 88.3  | 89.4  | 90.4  | 91.1  | 90.3  |
| 85.5° | 76.4  | 77.3  | 78.1  | 79.1  | 78.5  |
| 86°   | 65.4  | 66.3  | 66.9  | 67.7  | 67.7  |
| 86.5° | 54.9  | 55.4  | 55.8  | 56.7  | 56.7  |
| 87°   | 44.9  | 45.0  | 45.1  | 46.3  | 46.4  |
| 87.5° | 34.7  | 35.0  | 35.1  | 36.2  | 36.6  |
| 88°   | 24.4  | 25.3  | 25.5  | 26.5  | 26.5  |
| 88.5° | 17.3  | 17.3  | 17.3  | 18.3  | 18.5  |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 90°    | 0.8 | 0.8   | 0.8 | 0.9   | 0.8 |
| 90.5°  | 0.3 | 0.2   | 0.3 | 0.3   | 0.3 |
| 91°    | 0.3 | 0.2   | 0.2 | 0.3   | 0.2 |
| 91.5°  | 0.3 | 0.3   | 0.3 | 0.2   | 0.2 |
| 92°    | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 92.5°  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 93°    | 0.3 | 0.3   | 0.3 | 0.3   | 0.2 |
| 93.5°  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 94°    | 0.3 | 0.3   | 0.3 | 0.3   | 0.4 |
| 94.5°  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 95°    | 0.3 | 0.3   | 0.3 | 0.3   | 0.4 |
| 95.5°  | 0.3 | 0.3   | 0.4 | 0.3   | 0.4 |
| 96°    | 0.4 | 0.4   | 0.3 | 0.3   | 0.4 |
| 96.5°  | 0.4 | 0.4   | 0.4 | 0.3   | 0.4 |
| 97°    | 0.4 | 0.4   | 0.4 | 0.3   | 0.4 |
| 97.5°  | 0.4 | 0.4   | 0.4 | 0.3   | 0.4 |
| 98°    | 0.5 | 0.4   | 0.4 | 0.4   | 0.5 |
| 98.5°  | 0.5 | 0.4   | 0.4 | 0.4   | 0.4 |
| 99°    | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 99.5°  | 0.5 | 0.4   | 0.4 | 0.4   | 0.4 |
| 100°   | 0.5 | 0.4   | 0.4 | 0.4   | 0.5 |
| 100.5° | 0.5 | 0.5   | 0.4 | 0.5   | 0.5 |
| 101°   | 0.5 | 0.4   | 0.4 | 0.4   | 0.4 |
| 101.5° | 0.6 | 0.4   | 0.5 | 0.5   | 0.5 |
| 102°   | 0.6 | 0.5   | 0.5 | 0.5   | 0.5 |
| 102.5° | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 103°   | 0.5 | 0.4   | 0.5 | 0.5   | 0.5 |
| 103.5° | 0.6 | 0.6   | 0.5 | 0.5   | 0.5 |
| 104°   | 0.6 | 0.6   | 0.6 | 0.5   | 0.5 |
| 104.5° | 0.6 | 0.6   | 0.6 | 0.6   | 0.5 |
| 105°   | 0.7 | 0.6   | 0.6 | 0.6   | 0.6 |
| 105.5° | 0.6 | 0.5   | 0.6 | 0.6   | 0.6 |
| 106°   | 0.6 | 0.6   | 0.6 | 0.6   | 0.7 |
| 106.5° | 0.7 | 0.6   | 0.6 | 0.6   | 0.6 |
| 107°   | 0.6 | 0.6   | 0.7 | 0.7   | 0.6 |
| 107.5° | 0.7 | 0.6   | 0.7 | 0.7   | 0.7 |
| 108°   | 0.7 | 0.6   | 0.6 | 0.7   | 0.6 |
| 108.5° | 0.7 | 0.7   | 0.7 | 0.7   | 0.6 |
| 109°   | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 |
| 109.5° | 0.8 | 0.7   | 0.8 | 0.7   | 0.7 |
| 110°   | 0.7 | 0.7   | 0.7 | 0.8   | 0.7 |
| 110.5° | 0.8 | 0.7   | 0.8 | 0.8   | 0.8 |
| 111°   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 112.5° | 0.9 | 0.9   | 1.0 | 0.9   | 0.9 |
| 113°   | 1.0 | 0.9   | 0.9 | 0.9   | 0.9 |
| 113.5° | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 |
| 114°   | 1.0 | 1.0   | 1.1 | 1.1   | 1.0 |
| 114.5° | 1.1 | 1.1   | 1.1 | 1.1   | 1.0 |
| 115°   | 1.1 | 1.1   | 1.1 | 1.1   | 1.1 |
| 115.5° | 1.2 | 1.1   | 1.2 | 1.2   | 1.1 |
| 116°   | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 |
| 116.5° | 1.3 | 1.3   | 1.3 | 1.3   | 1.2 |
| 117°   | 1.3 | 1.3   | 1.3 | 1.3   | 1.2 |
| 117.5° | 1.4 | 1.3   | 1.4 | 1.3   | 1.3 |
| 118°   | 1.4 | 1.4   | 1.5 | 1.4   | 1.3 |
| 118.5° | 1.5 | 1.5   | 1.5 | 1.4   | 1.4 |
| 119°   | 1.5 | 1.5   | 1.6 | 1.5   | 1.5 |
| 119.5° | 1.6 | 1.6   | 1.6 | 1.5   | 1.5 |
| 120°   | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 |
| 120.5° | 1.7 | 1.6   | 1.7 | 1.6   | 1.6 |
| 121°   | 1.7 | 1.7   | 1.7 | 1.7   | 1.6 |
| 121.5° | 1.9 | 1.8   | 1.8 | 1.7   | 1.7 |
| 122°   | 1.8 | 1.9   | 1.8 | 1.8   | 1.8 |
| 122.5° | 1.9 | 1.9   | 1.8 | 1.8   | 1.8 |
| 123°   | 1.9 | 1.9   | 1.9 | 1.9   | 1.8 |
| 123.5° | 1.9 | 2.0   | 1.9 | 1.8   | 1.9 |
| 124°   | 2.0 | 2.0   | 2.0 | 1.9   | 1.9 |
| 124.5° | 2.1 | 2.0   | 2.0 | 1.9   | 1.9 |
| 125°   | 2.2 | 2.1   | 2.1 | 2.0   | 2.0 |
| 125.5° | 2.2 | 2.1   | 2.1 | 2.0   | 2.1 |
| 126°   | 2.2 | 2.1   | 2.1 | 2.1   | 2.0 |
| 126.5° | 2.1 | 2.1   | 2.2 | 2.1   | 2.1 |
| 127°   | 2.2 | 2.2   | 2.1 | 2.1   | 2.0 |
| 127.5° | 2.2 | 2.2   | 2.2 | 2.1   | 2.0 |
| 128°   | 2.2 | 2.1   | 2.1 | 2.1   | 2.1 |
| 128.5° | 2.2 | 2.2   | 2.1 | 2.0   | 2.1 |
| 129°   | 2.1 | 2.1   | 2.1 | 2.1   | 2.0 |
| 129.5° | 2.1 | 2.1   | 2.1 | 2.1   | 2.1 |
| 130°   | 2.1 | 2.1   | 2.1 | 2.0   | 2.0 |
| 130.5° | 2.2 | 2.1   | 2.1 | 1.9   | 2.0 |
| 131°   | 2.1 | 2.1   | 2.1 | 1.9   | 2.0 |
| 131.5° | 2.1 | 2.0   | 1.9 | 1.9   | 1.9 |
| 132°   | 2.1 | 2.0   | 2.0 | 1.9   | 1.9 |
| 132.5° | 2.1 | 2.0   | 1.9 | 1.9   | 1.9 |
| 133°   | 2.0 | 1.9   | 1.9 | 1.8   | 1.9 |
| 133.5° | 2.0 | 1.9   | 1.8 | 1.8   | 1.9 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 135°   | 1.9 | 1.8   | 1.8 | 1.7   | 1.9 |
| 135.5° | 1.8 | 1.9   | 1.8 | 1.7   | 1.8 |
| 136°   | 1.8 | 1.8   | 1.7 | 1.6   | 1.8 |
| 136.5° | 1.8 | 1.8   | 1.7 | 1.6   | 1.8 |
| 137°   | 1.8 | 1.7   | 1.7 | 1.6   | 1.7 |
| 137.5° | 1.8 | 1.7   | 1.6 | 1.5   | 1.6 |
| 138°   | 1.7 | 1.6   | 1.6 | 1.5   | 1.6 |
| 138.5° | 1.8 | 1.6   | 1.6 | 1.5   | 1.6 |
| 139°   | 1.5 | 1.6   | 1.6 | 1.4   | 1.6 |
| 139.5° | 1.6 | 1.5   | 1.5 | 1.5   | 1.6 |
| 140°   | 1.6 | 1.5   | 1.5 | 1.4   | 1.5 |
| 140.5° | 1.6 | 1.5   | 1.5 | 1.4   | 1.5 |
| 141°   | 1.5 | 1.5   | 1.5 | 1.3   | 1.4 |
| 141.5° | 1.4 | 1.5   | 1.5 | 1.3   | 1.4 |
| 142°   | 1.4 | 1.4   | 1.5 | 1.4   | 1.3 |
| 142.5° | 1.4 | 1.5   | 1.4 | 1.3   | 1.3 |
| 143°   | 1.5 | 1.4   | 1.4 | 1.4   | 1.3 |
| 143.5° | 1.5 | 1.4   | 1.4 | 1.3   | 1.3 |
| 144°   | 1.5 | 1.3   | 1.5 | 1.3   | 1.3 |
| 144.5° | 1.4 | 1.3   | 1.4 | 1.3   | 1.3 |
| 145°   | 1.4 | 1.3   | 1.4 | 1.2   | 1.3 |
| 145.5° | 1.4 | 1.3   | 1.3 | 1.2   | 1.4 |
| 146°   | 1.4 | 1.3   | 1.3 | 1.2   | 1.3 |
| 146.5° | 1.4 | 1.3   | 1.3 | 1.2   | 1.3 |
| 147°   | 1.4 | 1.3   | 1.2 | 1.3   | 1.3 |
| 147.5° | 1.3 | 1.3   | 1.2 | 1.3   | 1.4 |
| 148°   | 1.4 | 1.3   | 1.3 | 1.2   | 1.4 |
| 148.5° | 1.4 | 1.3   | 1.3 | 1.2   | 1.4 |
| 149°   | 1.4 | 1.3   | 1.3 | 1.2   | 1.4 |
| 149.5° | 1.5 | 1.3   | 1.3 | 1.2   | 1.4 |
| 150°   | 1.4 | 1.3   | 1.3 | 1.2   | 1.4 |
| 150.5° | 1.4 | 1.3   | 1.3 | 1.3   | 1.4 |
| 151°   | 1.5 | 1.3   | 1.2 | 1.3   | 1.5 |
| 151.5° | 1.4 | 1.3   | 1.2 | 1.3   | 1.5 |
| 152°   | 1.5 | 1.3   | 1.3 | 1.3   | 1.4 |
| 152.5° | 1.5 | 1.4   | 1.3 | 1.3   | 1.5 |
| 153°   | 1.4 | 1.3   | 1.3 | 1.4   | 1.5 |
| 153.5° | 1.5 | 1.4   | 1.3 | 1.3   | 1.5 |
| 154°   | 1.5 | 1.4   | 1.3 | 1.3   | 1.5 |
| 154.5° | 1.5 | 1.3   | 1.3 | 1.4   | 1.5 |
| 155°   | 1.4 | 1.4   | 1.4 | 1.4   | 1.5 |
| 155.5° | 1.5 | 1.3   | 1.3 | 1.4   | 1.5 |
| 156°   | 1.4 | 1.4   | 1.4 | 1.4   | 1.5 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 157.5° | 1.4 | 1.3   | 1.3 | 1.4   | 1.5 |
| 158°   | 1.5 | 1.4   | 1.3 | 1.4   | 1.5 |
| 158.5° | 1.4 | 1.4   | 1.3 | 1.4   | 1.5 |
| 159°   | 1.5 | 1.4   | 1.3 | 1.4   | 1.5 |
| 159.5° | 1.4 | 1.3   | 1.3 | 1.4   | 1.6 |
| 160°   | 1.4 | 1.4   | 1.3 | 1.4   | 1.5 |
| 160.5° | 1.4 | 1.3   | 1.3 | 1.4   | 1.5 |
| 161°   | 1.4 | 1.3   | 1.3 | 1.4   | 1.5 |
| 161.5° | 1.4 | 1.4   | 1.3 | 1.3   | 1.4 |
| 162°   | 1.4 | 1.3   | 1.4 | 1.4   | 1.4 |
| 162.5° | 1.5 | 1.4   | 1.4 | 1.4   | 1.5 |
| 163°   | 1.5 | 1.4   | 1.4 | 1.4   | 1.4 |
| 163.5° | 1.4 | 1.4   | 1.4 | 1.4   | 1.5 |
| 164°   | 1.4 | 1.4   | 1.4 | 1.5   | 1.5 |
| 164.5° | 1.3 | 1.5   | 1.4 | 1.5   | 1.5 |
| 165°   | 1.4 | 1.4   | 1.3 | 1.5   | 1.5 |
| 165.5° | 1.3 | 1.4   | 1.3 | 1.6   | 1.5 |
| 166°   | 1.4 | 1.4   | 1.4 | 1.5   | 1.5 |
| 166.5° | 1.4 | 1.4   | 1.3 | 1.5   | 1.4 |
| 167°   | 1.4 | 1.5   | 1.4 | 1.6   | 1.5 |
| 167.5° | 1.4 | 1.5   | 1.4 | 1.6   | 1.5 |
| 168°   | 1.5 | 1.5   | 1.4 | 1.6   | 1.5 |
| 168.5° | 1.4 | 1.5   | 1.5 | 1.7   | 1.5 |
| 169°   | 1.5 | 1.5   | 1.4 | 1.7   | 1.5 |
| 169.5° | 1.5 | 1.5   | 1.4 | 1.6   | 1.6 |
| 170°   | 1.5 | 1.5   | 1.5 | 1.7   | 1.5 |
| 170.5° | 1.5 | 1.6   | 1.5 | 1.7   | 1.6 |
| 171°   | 1.5 | 1.5   | 1.5 | 1.7   | 1.6 |
| 171.5° | 1.5 | 1.5   | 1.5 | 1.7   | 1.6 |
| 172°   | 1.5 | 1.5   | 1.6 | 1.7   | 1.6 |
| 172.5° | 1.6 | 1.6   | 1.6 | 1.7   | 1.6 |
| 173°   | 1.5 | 1.5   | 1.6 | 1.7   | 1.6 |
| 173.5° | 1.6 | 1.6   | 1.6 | 1.7   | 1.7 |
| 174°   | 1.6 | 1.6   | 1.8 | 1.7   | 1.6 |
| 174.5° | 1.6 | 1.7   | 1.7 | 1.8   | 1.7 |
| 175°   | 1.8 | 1.7   | 1.8 | 1.8   | 1.7 |
| 175.5° | 1.8 | 1.7   | 1.8 | 1.8   | 1.8 |
| 176°   | 1.8 | 1.8   | 1.8 | 1.7   | 1.7 |
| 176.5° | 1.9 | 1.8   | 1.8 | 1.6   | 1.7 |
| 177°   | 1.8 | 1.8   | 1.7 | 1.6   | 1.7 |
| 177.5° | 1.8 | 1.8   | 1.6 | 1.6   | 1.8 |
| 178°   | 1.7 | 1.7   | 1.6 | 1.6   | 1.6 |
| 178.5° | 1.7 | 1.6   | 1.6 | 1.6   | 1.6 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L850-CFR2

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 |



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 21.5° | 1538.4 | 1536.6 | 1529.1 | 1522.0 | 1519.0 |
| 22°   | 1537.7 | 1535.8 | 1527.9 | 1520.8 | 1517.8 |



|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 44°   | 1377.1 | 1371.5 | 1360.3 | 1353.5 | 1349.0 |
| 44.5° | 1368.5 | 1362.5 | 1352.0 | 1344.9 | 1340.4 |



|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| 66.5° | 735.5 | 732.5 | 726.9 | 725.0 | 723.2 |
| 67°   | 717.2 | 713.8 | 708.6 | 706.7 | 705.2 |



|       |      |      |      |      |      |
|-------|------|------|------|------|------|
| 89°   | 10.9 | 10.7 | 10.6 | 11.2 | 11.3 |
| 89.5° | 4.8  | 4.9  | 4.8  | 5.1  | 5.1  |



|        |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|
| 111.5° | 0.9 | 0.8 | 0.9 | 0.9 | 0.8 |
| 112°   | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |





|        |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|
| 134°   | 1.9 | 1.9 | 1.8 | 1.8 | 1.9 |
| 134.5° | 1.9 | 1.8 | 1.8 | 1.7 | 1.8 |



|        |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|
| 156.5° | 1.5 | 1.3 | 1.4 | 1.4 | 1.5 |
| 157°   | 1.4 | 1.3 | 1.4 | 1.4 | 1.5 |



|        |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|
| 179°   | 1.6 | 1.6 | 1.5 | 1.5 | 1.6 |
| 179.5° | 1.4 | 1.5 | 1.5 | 1.4 | 1.5 |



(END OF REPORT)