

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: PORTFOLIO

Report Number: P#

Luminaire Tested: **LD4C35D010 EX4C359040 4LBSQLWWH**

Issue Date: 2/18/2022



**Test Information**

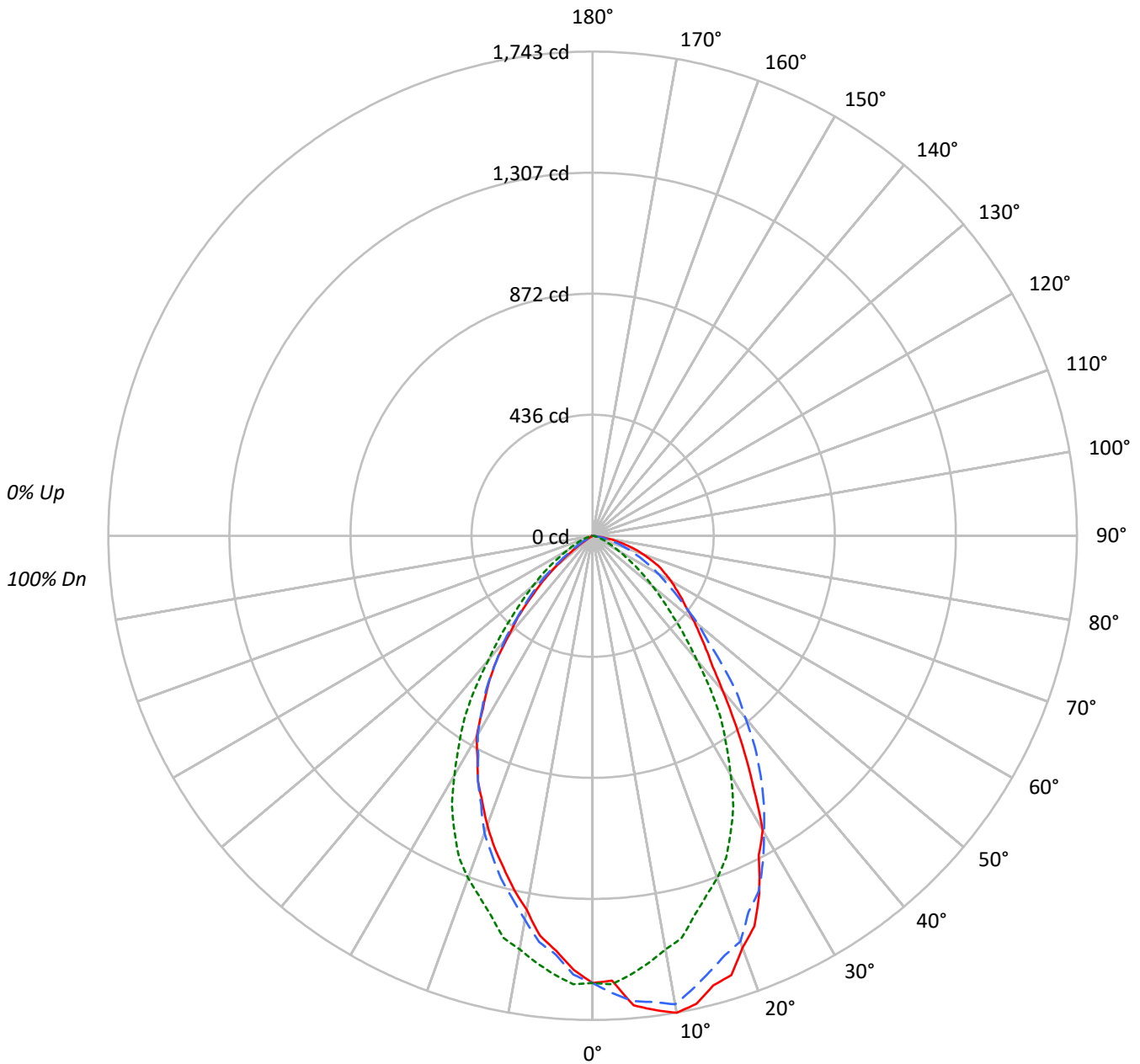
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P219529)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C35D010 EX4C359040 4LBSQLWWH  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBSQLWW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2308.0 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1 / 1.06  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.4  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: LD4C35D010 EX4C359040 4LBSQLWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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**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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 84  | 82  | 80  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 64  |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 64  | 60  | 58  |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 53  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 46  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 41  |
| 10  | 62  | 51  | 44  | 40  | 61  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 38  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 155357 | 155357 | 155357 |
| 5°  | 164367 | 153529 | 145296 |
| 10° | 170814 | 148112 | 133925 |
| 15° | 167400 | 141358 | 123617 |
| 20° | 161970 | 134605 | 113791 |
| 25° | 151083 | 125169 | 103802 |
| 30° | 136384 | 110781 | 92932  |
| 35° | 112337 | 94834  | 77094  |
| 40° | 91684  | 73194  | 59338  |
| 45° | 78776  | 55592  | 42683  |
| 50° | 71287  | 42316  | 26960  |
| 55° | 65607  | 30533  | 9740   |
| 60° | 62969  | 20861  | 1486   |
| 65° | 60822  | 14110  | 457    |
| 70° | 54448  | 9789   | 564    |
| 75° | 44625  | 5033   | 0      |
| 80° | 27894  | 2167   | 0      |
| 85° | 0      | 0      | 0      |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 150.9  | 6.5       |
| 10°-20°   | 406.4  | 17.6      |
| 20°-30°   | 542.7  | 23.5      |
| 30°-40°   | 515.2  | 22.3      |
| 40°-50°   | 356.1  | 15.4      |
| 50°-60°   | 196.8  | 8.5       |
| 60°-70°   | 97.7   | 4.2       |
| 70°-80°   | 38.5   | 1.7       |
| 80°-90°   | 3.7    | 0.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1100.0 | 47.7      |
| 0°-40°    | 1615.2 | 70.0      |
| 0°-60°    | 2168.1 | 93.9      |
| 0°-90°    | 2308.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2308.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1610 | 1610 | 1610 | 1610 | 1610 |      |
| 5°  | 1697 | 1682 | 1585 | 1514 | 1500 | 162  |
| 15° | 1676 | 1626 | 1415 | 1276 | 1238 | 474  |
| 25° | 1419 | 1413 | 1176 | 975  | 975  | 647  |
| 35° | 954  | 1054 | 805  | 662  | 654  | 597  |
| 45° | 577  | 662  | 407  | 334  | 313  | 450  |
| 55° | 390  | 367  | 182  | 93   | 58   | 351  |
| 65° | 266  | 193  | 62   | 2    | 2    | 259  |
| 75° | 120  | 73   | 14   | 0    | 0    | 128  |
| 85° | 0    | 2    | 0    | 0    | 0    | 11   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P#

CATALOG NUMBER: LD4C35D010 EX4C359040 4LBSQLWWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 |
| 2.5°  | 1602.4 | 1646.8 | 1650.7 | 1646.8 | 1652.6 | 1650.7 | 1660.3 | 1650.7 | 1662.3 | 1644.9 | 1648.8 |
| 5°    | 1697.0 | 1679.6 | 1716.3 | 1697.0 | 1697.0 | 1695.1 | 1689.3 | 1687.3 | 1695.1 | 1670.0 | 1681.6 |
| 7.5°  | 1722.1 | 1747.2 | 1780.1 | 1739.5 | 1741.4 | 1741.4 | 1729.8 | 1726.0 | 1726.0 | 1679.6 | 1693.2 |
| 10°   | 1743.4 | 1727.9 | 1745.3 | 1729.8 | 1743.4 | 1741.4 | 1749.1 | 1724.0 | 1741.4 | 1714.4 | 1712.5 |
| 12.5° | 1726.0 | 1720.2 | 1743.4 | 1718.3 | 1710.6 | 1712.5 | 1702.8 | 1697.0 | 1702.8 | 1671.9 | 1670.0 |
| 15°   | 1675.8 | 1681.6 | 1716.3 | 1689.3 | 1685.4 | 1681.6 | 1670.0 | 1650.7 | 1666.2 | 1623.7 | 1625.6 |
| 17.5° | 1658.4 | 1648.8 | 1654.6 | 1631.4 | 1637.2 | 1633.3 | 1631.4 | 1614.0 | 1610.1 | 1583.1 | 1583.1 |
| 20°   | 1577.4 | 1598.5 | 1598.5 | 1583.1 | 1583.1 | 1581.2 | 1556.1 | 1571.5 | 1554.1 | 1546.4 | 1554.1 |
| 22.5° | 1521.3 | 1523.3 | 1523.3 | 1509.7 | 1511.7 | 1504.0 | 1490.5 | 1480.8 | 1490.5 | 1480.8 | 1465.3 |
| 25°   | 1419.1 | 1422.9 | 1446.1 | 1420.9 | 1417.1 | 1424.8 | 1413.2 | 1407.4 | 1405.5 | 1382.4 | 1413.2 |
| 27.5° | 1295.5 | 1334.0 | 1332.1 | 1322.5 | 1334.0 | 1318.6 | 1312.9 | 1314.7 | 1320.6 | 1318.6 | 1326.3 |
| 30°   | 1224.1 | 1229.8 | 1235.6 | 1227.9 | 1229.8 | 1224.1 | 1224.1 | 1225.9 | 1241.4 | 1235.6 | 1233.7 |
| 32.5° | 1079.2 | 1098.5 | 1114.0 | 1114.0 | 1115.9 | 1121.7 | 1119.8 | 1160.3 | 1170.0 | 1150.7 | 1146.8 |
| 35°   | 953.7  | 967.3  | 980.7  | 982.7  | 1007.8 | 1009.7 | 1011.7 | 1023.2 | 1050.2 | 1056.1 | 1054.1 |
| 37.5° | 834.1  | 847.5  | 851.4  | 868.8  | 882.3  | 895.8  | 911.3  | 926.7  | 949.9  | 969.2  | 959.5  |
| 40°   | 727.9  | 733.6  | 743.3  | 751.0  | 778.0  | 778.0  | 785.7  | 816.7  | 841.8  | 857.2  | 855.2  |
| 42.5° | 639.1  | 641.0  | 648.7  | 662.2  | 687.3  | 681.5  | 687.3  | 708.6  | 745.2  | 747.2  | 768.4  |
| 45°   | 577.3  | 575.3  | 581.1  | 583.0  | 598.5  | 606.2  | 610.1  | 625.5  | 656.4  | 660.2  | 662.2  |
| 47.5° | 521.3  | 519.3  | 529.0  | 532.9  | 538.6  | 546.3  | 546.3  | 548.3  | 559.9  | 569.6  | 561.8  |
| 50°   | 474.9  | 474.9  | 474.9  | 478.8  | 488.5  | 486.5  | 488.5  | 496.2  | 501.9  | 498.1  | 496.2  |
| 52.5° | 424.7  | 432.4  | 438.2  | 440.2  | 442.1  | 442.1  | 444.1  | 440.2  | 438.2  | 432.4  | 420.9  |
| 55°   | 390.0  | 397.7  | 397.7  | 397.7  | 397.7  | 405.4  | 395.8  | 397.7  | 397.7  | 382.3  | 366.8  |
| 57.5° | 355.3  | 363.0  | 368.7  | 361.0  | 368.7  | 361.0  | 357.2  | 355.3  | 351.3  | 335.9  | 312.8  |
| 60°   | 326.3  | 330.2  | 328.2  | 326.3  | 330.2  | 324.3  | 320.5  | 312.8  | 308.9  | 287.7  | 272.2  |
| 62.5° | 293.5  | 295.4  | 297.3  | 293.5  | 289.6  | 287.7  | 279.9  | 268.4  | 260.6  | 243.3  | 229.7  |
| 65°   | 266.4  | 260.6  | 258.7  | 256.8  | 252.9  | 247.1  | 241.4  | 227.8  | 222.0  | 206.6  | 193.0  |
| 67.5° | 225.9  | 224.0  | 227.8  | 222.0  | 212.4  | 212.4  | 206.6  | 195.0  | 181.5  | 171.9  | 158.3  |
| 70°   | 193.0  | 191.1  | 187.3  | 181.5  | 179.6  | 171.9  | 171.9  | 158.3  | 154.5  | 137.1  | 125.5  |
| 72.5° | 158.3  | 158.3  | 152.5  | 146.7  | 140.9  | 137.1  | 135.2  | 125.5  | 119.7  | 110.1  | 100.4  |
| 75°   | 119.7  | 119.7  | 117.8  | 111.9  | 108.1  | 104.2  | 102.3  | 94.6   | 88.8   | 79.2   | 73.4   |
| 77.5° | 84.9   | 84.9   | 77.2   | 73.4   | 75.3   | 71.4   | 67.5   | 65.7   | 63.7   | 57.9   | 50.2   |
| 80°   | 50.2   | 48.3   | 42.5   | 44.4   | 42.5   | 42.5   | 40.5   | 38.6   | 34.7   | 30.9   | 27.0   |
| 82.5° | 13.5   | 15.4   | 15.4   | 15.4   | 17.4   | 13.5   | 13.5   | 13.5   | 15.4   | 15.4   | 9.7    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 2.0    | 2.0    |
| 87.5° | 2.0    | 3.9    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 5.8    | 5.8    | 5.8    | 3.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 |
| 2.5°  | 1629.5 | 1627.5 | 1629.5 | 1615.9 | 1646.8 | 1623.7 | 1619.8 | 1615.9 | 1629.5 | 1615.9 | 1596.6 |
| 5°    | 1664.2 | 1644.9 | 1639.1 | 1633.3 | 1650.7 | 1623.7 | 1617.9 | 1619.8 | 1610.1 | 1585.1 | 1587.0 |
| 7.5°  | 1675.8 | 1658.4 | 1641.0 | 1604.4 | 1619.8 | 1614.0 | 1598.5 | 1587.0 | 1571.5 | 1550.3 | 1546.4 |
| 10°   | 1679.6 | 1660.3 | 1635.2 | 1623.7 | 1600.5 | 1592.8 | 1587.0 | 1567.7 | 1548.4 | 1511.7 | 1502.0 |
| 12.5° | 1668.1 | 1644.9 | 1614.0 | 1604.4 | 1587.0 | 1561.9 | 1548.4 | 1529.0 | 1511.7 | 1482.7 | 1461.5 |
| 15°   | 1617.9 | 1598.5 | 1588.9 | 1556.1 | 1548.4 | 1532.9 | 1505.9 | 1478.9 | 1453.8 | 1415.1 | 1403.5 |
| 17.5° | 1560.0 | 1552.3 | 1542.6 | 1517.5 | 1515.6 | 1500.1 | 1475.0 | 1451.8 | 1419.1 | 1359.1 | 1339.9 |
| 20°   | 1500.1 | 1500.1 | 1469.2 | 1459.6 | 1478.9 | 1447.9 | 1428.7 | 1407.4 | 1339.9 | 1310.9 | 1276.2 |
| 22.5° | 1455.7 | 1434.5 | 1417.1 | 1401.7 | 1403.5 | 1384.3 | 1357.3 | 1314.7 | 1289.6 | 1254.9 | 1214.4 |
| 25°   | 1368.8 | 1376.5 | 1338.0 | 1332.1 | 1338.0 | 1293.5 | 1280.0 | 1245.2 | 1208.5 | 1175.7 | 1144.9 |
| 27.5° | 1314.7 | 1293.5 | 1268.5 | 1247.2 | 1247.2 | 1229.8 | 1191.2 | 1183.5 | 1127.5 | 1096.6 | 1058.0 |
| 30°   | 1233.7 | 1218.2 | 1197.0 | 1166.1 | 1162.3 | 1148.7 | 1117.9 | 1098.5 | 1040.6 | 994.3  | 973.0  |
| 32.5° | 1131.3 | 1125.6 | 1108.2 | 1073.5 | 1061.9 | 1046.4 | 1007.8 | 975.0  | 948.0  | 895.8  | 870.7  |
| 35°   | 1058.0 | 1036.8 | 1000.1 | 971.1  | 961.4  | 934.4  | 903.5  | 880.4  | 851.4  | 805.1  | 772.3  |
| 37.5° | 948.0  | 926.7  | 891.9  | 857.2  | 857.2  | 830.2  | 787.7  | 764.6  | 724.0  | 696.9  | 669.9  |
| 40°   | 851.4  | 824.4  | 789.7  | 749.1  | 743.3  | 704.6  | 687.3  | 648.7  | 623.6  | 581.1  | 577.3  |
| 42.5° | 743.3  | 718.2  | 687.3  | 656.4  | 633.2  | 614.0  | 569.6  | 540.6  | 513.6  | 492.3  | 486.5  |
| 45°   | 644.8  | 612.0  | 585.0  | 546.3  | 523.2  | 500.0  | 471.1  | 451.8  | 430.5  | 407.4  | 393.8  |
| 47.5° | 559.9  | 532.9  | 494.2  | 459.5  | 436.4  | 424.7  | 391.9  | 370.7  | 353.3  | 337.9  | 328.2  |
| 50°   | 473.0  | 440.2  | 419.0  | 380.3  | 376.5  | 349.4  | 322.4  | 305.0  | 295.4  | 281.9  | 268.4  |
| 52.5° | 407.4  | 376.5  | 347.5  | 318.6  | 303.1  | 293.5  | 268.4  | 251.0  | 237.5  | 227.8  | 220.1  |
| 55°   | 343.6  | 316.6  | 293.5  | 264.5  | 254.8  | 241.4  | 212.4  | 208.5  | 195.0  | 181.5  | 171.9  |
| 57.5° | 295.4  | 270.3  | 243.3  | 224.0  | 206.6  | 197.0  | 173.7  | 158.3  | 150.6  | 139.0  | 129.3  |
| 60°   | 251.0  | 224.0  | 202.7  | 179.6  | 171.9  | 158.3  | 140.9  | 127.5  | 117.8  | 108.1  | 98.5   |
| 62.5° | 210.4  | 187.3  | 164.1  | 144.8  | 133.2  | 125.5  | 111.9  | 100.4  | 90.8   | 83.1   | 75.3   |
| 65°   | 173.7  | 152.5  | 133.2  | 113.9  | 108.1  | 98.5   | 88.8   | 79.2   | 71.4   | 61.8   | 54.1   |
| 67.5° | 142.9  | 123.6  | 104.2  | 90.8   | 84.9   | 81.1   | 69.5   | 59.8   | 54.1   | 48.3   | 40.5   |
| 70°   | 111.9  | 98.5   | 83.1   | 71.4   | 65.7   | 59.8   | 52.1   | 46.4   | 38.6   | 34.7   | 29.0   |
| 72.5° | 86.9   | 75.3   | 61.8   | 52.1   | 48.3   | 44.4   | 36.7   | 30.9   | 27.0   | 23.1   | 19.3   |
| 75°   | 61.8   | 52.1   | 44.4   | 34.7   | 32.8   | 30.9   | 25.1   | 21.3   | 17.4   | 13.5   | 11.6   |
| 77.5° | 42.5   | 34.7   | 27.0   | 23.1   | 21.3   | 17.4   | 15.4   | 11.6   | 9.7    | 7.7    | 5.8    |
| 80°   | 23.1   | 17.4   | 13.5   | 11.6   | 9.7    | 7.7    | 7.7    | 5.8    | 3.9    | 3.9    | 2.0    |
| 82.5° | 7.7    | 5.8    | 3.9    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 0.0    | 2.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P#

CATALOG NUMBER: LD4C35D010 EX4C359040 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 |
| 2.5°  | 1608.2 | 1587.0 | 1592.8 | 1592.8 | 1588.9 | 1588.9 | 1585.1 | 1579.3 | 1581.2 | 1569.6 | 1544.5 |
| 5°    | 1590.8 | 1563.8 | 1560.0 | 1563.8 | 1548.4 | 1544.5 | 1536.8 | 1548.4 | 1513.6 | 1527.1 | 1511.7 |
| 7.5°  | 1540.7 | 1515.6 | 1509.7 | 1523.3 | 1504.0 | 1492.3 | 1490.5 | 1505.9 | 1475.0 | 1459.6 | 1442.2 |
| 10°   | 1484.6 | 1475.0 | 1457.6 | 1447.9 | 1442.2 | 1444.1 | 1428.7 | 1409.4 | 1403.5 | 1399.7 | 1384.3 |
| 12.5° | 1434.5 | 1413.2 | 1397.8 | 1386.2 | 1382.4 | 1382.4 | 1357.3 | 1353.4 | 1336.0 | 1332.1 | 1309.0 |
| 15°   | 1374.6 | 1349.5 | 1339.9 | 1324.4 | 1310.9 | 1318.6 | 1289.6 | 1281.9 | 1276.2 | 1251.1 | 1254.9 |
| 17.5° | 1322.5 | 1295.5 | 1272.3 | 1262.6 | 1251.1 | 1239.5 | 1212.4 | 1218.2 | 1204.7 | 1204.7 | 1170.0 |
| 20°   | 1254.9 | 1225.9 | 1208.5 | 1189.3 | 1189.3 | 1173.8 | 1154.5 | 1156.4 | 1139.0 | 1121.7 | 1090.8 |
| 22.5° | 1183.5 | 1152.6 | 1131.3 | 1123.6 | 1104.3 | 1100.5 | 1077.3 | 1071.5 | 1048.3 | 1050.2 | 1023.2 |
| 25°   | 1108.2 | 1077.3 | 1048.3 | 1050.2 | 1032.9 | 1025.2 | 1011.7 | 984.7  | 975.0  | 963.4  | 955.7  |
| 27.5° | 1019.4 | 998.1  | 973.0  | 971.1  | 938.3  | 940.2  | 922.9  | 915.1  | 891.9  | 897.8  | 880.4  |
| 30°   | 938.3  | 907.4  | 884.2  | 878.5  | 864.9  | 861.1  | 834.1  | 822.4  | 826.3  | 810.8  | 801.2  |
| 32.5° | 855.2  | 809.0  | 799.3  | 787.7  | 780.0  | 770.3  | 751.0  | 758.7  | 741.3  | 745.2  | 729.8  |
| 35°   | 745.2  | 725.9  | 700.8  | 700.8  | 693.1  | 685.4  | 671.9  | 679.6  | 662.2  | 654.5  | 639.1  |
| 37.5° | 652.5  | 635.2  | 610.1  | 617.8  | 604.3  | 592.7  | 581.1  | 583.0  | 567.6  | 565.7  | 550.2  |
| 40°   | 552.2  | 542.5  | 525.2  | 525.2  | 515.5  | 515.5  | 509.7  | 503.9  | 494.2  | 482.6  | 465.3  |
| 42.5° | 457.5  | 449.8  | 442.1  | 444.1  | 430.5  | 442.1  | 426.7  | 436.4  | 405.4  | 403.5  | 391.9  |
| 45°   | 388.0  | 370.7  | 372.6  | 364.9  | 357.2  | 361.0  | 347.5  | 351.3  | 334.0  | 330.2  | 318.6  |
| 47.5° | 314.7  | 308.9  | 297.3  | 293.5  | 293.5  | 287.7  | 281.9  | 279.9  | 272.2  | 262.5  | 247.1  |
| 50°   | 258.7  | 237.5  | 233.6  | 227.8  | 224.0  | 224.0  | 216.3  | 204.7  | 206.6  | 197.0  | 181.5  |
| 52.5° | 202.7  | 185.3  | 177.6  | 175.7  | 168.0  | 164.1  | 154.5  | 146.7  | 140.9  | 137.1  | 127.5  |
| 55°   | 156.3  | 140.9  | 131.3  | 131.3  | 119.7  | 119.7  | 106.2  | 100.4  | 92.7   | 84.9   | 79.2   |
| 57.5° | 117.8  | 110.1  | 100.4  | 92.7   | 88.8   | 79.2   | 71.4   | 61.8   | 56.0   | 44.4   | 36.7   |
| 60°   | 88.8   | 81.1   | 71.4   | 65.7   | 61.8   | 52.1   | 42.5   | 34.7   | 21.3   | 17.4   | 15.4   |
| 62.5° | 65.7   | 57.9   | 48.3   | 44.4   | 40.5   | 32.8   | 23.1   | 11.6   | 5.8    | 5.8    | 5.8    |
| 65°   | 48.3   | 38.6   | 30.9   | 27.0   | 23.1   | 17.4   | 7.7    | 3.9    | 2.0    | 2.0    | 2.0    |
| 67.5° | 32.8   | 25.1   | 17.4   | 15.4   | 11.6   | 5.8    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 70°   | 21.3   | 15.4   | 7.7    | 5.8    | 3.9    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 72.5° | 13.5   | 7.7    | 3.9    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 7.7    | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 3.9    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 2.0    | 2.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P#

CATALOG NUMBER: LD4C35D010 EX4C359040 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 |
| 2.5°  | 1571.5 | 1558.0 | 1565.7 | 1548.4 | 1556.1 | 1569.6 | 1560.0 | 1563.8 |
| 5°    | 1517.5 | 1509.7 | 1500.1 | 1475.0 | 1494.3 | 1509.7 | 1502.0 | 1500.1 |
| 7.5°  | 1459.6 | 1432.5 | 1446.1 | 1438.3 | 1434.5 | 1449.9 | 1432.5 | 1451.8 |
| 10°   | 1399.7 | 1380.4 | 1378.5 | 1365.0 | 1365.0 | 1376.5 | 1378.5 | 1366.9 |
| 12.5° | 1310.9 | 1301.3 | 1301.3 | 1299.3 | 1297.3 | 1309.0 | 1310.9 | 1305.1 |
| 15°   | 1247.2 | 1243.3 | 1233.7 | 1231.8 | 1220.2 | 1237.5 | 1239.5 | 1237.5 |
| 17.5° | 1170.0 | 1171.9 | 1162.3 | 1162.3 | 1170.0 | 1175.7 | 1160.3 | 1175.7 |
| 20°   | 1117.9 | 1108.2 | 1104.3 | 1086.9 | 1096.6 | 1106.3 | 1106.3 | 1108.2 |
| 22.5° | 1042.5 | 1027.1 | 1032.9 | 1023.2 | 1017.4 | 1031.0 | 1031.0 | 1036.8 |
| 25°   | 957.6  | 957.6  | 961.4  | 955.7  | 959.5  | 967.3  | 961.4  | 975.0  |
| 27.5° | 876.5  | 884.2  | 884.2  | 876.5  | 880.4  | 903.5  | 913.2  | 897.8  |
| 30°   | 801.2  | 803.1  | 809.0  | 805.1  | 816.7  | 824.4  | 822.4  | 834.1  |
| 32.5° | 716.3  | 725.9  | 729.8  | 724.0  | 727.9  | 745.2  | 735.6  | 733.6  |
| 35°   | 650.6  | 633.2  | 631.4  | 633.2  | 641.0  | 644.8  | 641.0  | 654.5  |
| 37.5° | 556.0  | 550.2  | 542.5  | 544.4  | 550.2  | 558.0  | 561.8  | 571.4  |
| 40°   | 465.3  | 457.5  | 457.5  | 455.6  | 449.8  | 471.1  | 471.1  | 471.1  |
| 42.5° | 386.1  | 384.2  | 374.6  | 374.6  | 382.3  | 388.0  | 384.2  | 397.7  |
| 45°   | 316.6  | 308.9  | 303.1  | 303.1  | 308.9  | 308.9  | 314.7  | 312.8  |
| 47.5° | 249.1  | 241.4  | 243.3  | 237.5  | 243.3  | 251.0  | 241.4  | 243.3  |
| 50°   | 187.3  | 187.3  | 183.4  | 187.3  | 185.3  | 187.3  | 183.4  | 179.6  |
| 52.5° | 127.5  | 144.8  | 146.7  | 139.0  | 121.6  | 106.2  | 96.5   | 104.2  |
| 55°   | 73.4   | 65.7   | 65.7   | 63.7   | 59.8   | 57.9   | 52.1   | 57.9   |
| 57.5° | 36.7   | 32.8   | 32.8   | 32.8   | 30.9   | 29.0   | 25.1   | 25.1   |
| 60°   | 15.4   | 13.5   | 13.5   | 11.6   | 9.7    | 7.7    | 5.8    | 7.7    |
| 62.5° | 5.8    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    |
| 65°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 67.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 70°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG





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















(END OF REPORT)