

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: **LD4C55D010 EX4C559027 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: LD4C55D010 EX4C559027 4LBSQLWWH  
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBSQLWW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

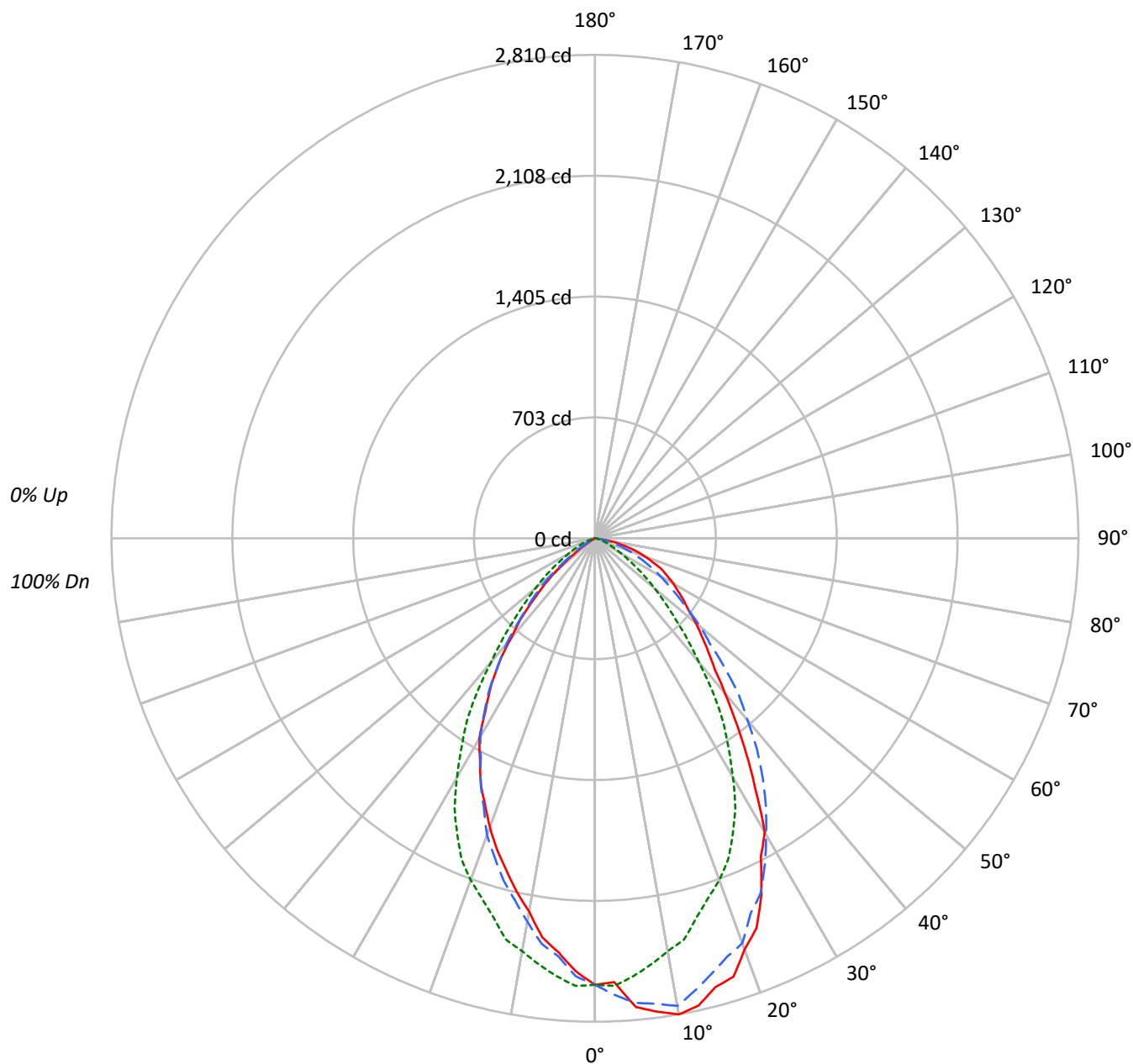
Lumens per Lamp: N/A  
Luminaire Lumens: 3720.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1 / 1.06  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 63.9  
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: LD4C55D010 EX4C559027 4LBSQLWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559027 4LBSQLWWH

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  |  | 98  | 96  | 95  |  | 95  |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 87  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 74  |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  |  | 70  | 65  | 60  |  | 68  |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  |  | 65  | 59  | 55  |  | 63  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  |  | 60  | 54  | 50  |  | 59  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 46  | 57  | 51  | 46  |  | 56  | 50  | 46  |  | 55  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  |  | 52  | 46  | 42  |  | 51  |
| 10  | 62  | 51  | 44  | 40  | 61  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 43  | 39  |  | 48  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 250408 | 250408 | 250408 |
| 5°  | 264925 | 247451 | 234192 |
| 10° | 275316 | 238722 | 215854 |
| 15° | 269810 | 227845 | 199246 |
| 20° | 261057 | 216955 | 183399 |
| 25° | 243504 | 201749 | 167308 |
| 30° | 219812 | 178544 | 149776 |
| 35° | 181069 | 152846 | 124258 |
| 40° | 147773 | 117984 | 95639  |
| 45° | 126959 | 89597  | 68787  |
| 50° | 114909 | 68210  | 43442  |
| 55° | 105745 | 49205  | 15712  |
| 60° | 101487 | 33617  | 2393   |
| 65° | 98037  | 22740  | 731    |
| 70° | 87766  | 15798  | 903    |
| 75° | 71951  | 8127   | 0      |
| 80° | 45008  | 3445   | 0      |
| 85° | 0      | 0      | 0      |



TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559027 4LBSQLWWH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 243.2  | 6.5       |
| 10°-20°   | 655.1  | 17.6      |
| 20°-30°   | 874.8  | 23.5      |
| 30°-40°   | 830.4  | 22.3      |
| 40°-50°   | 574.0  | 15.4      |
| 50°-60°   | 317.2  | 8.5       |
| 60°-70°   | 157.5  | 4.2       |
| 70°-80°   | 62.1   | 1.7       |
| 80°-90°   | 5.9    | 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°    | 1773.0 | 47.7      |
| 0°-40°    | 2603.4 | 70.0      |
| 0°-60°    | 3494.5 | 93.9      |
| 0°-90°    | 3720.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3720.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2595 | 2595 | 2595 | 2595 | 2595 |      |
| 5°  | 2735 | 2710 | 2555 | 2440 | 2418 | 262  |
| 15° | 2701 | 2620 | 2281 | 2057 | 1995 | 764  |
| 25° | 2287 | 2278 | 1895 | 1572 | 1572 | 1043 |
| 35° | 1537 | 1699 | 1298 | 1067 | 1055 | 963  |
| 45° | 930  | 1067 | 657  | 538  | 504  | 726  |
| 55° | 629  | 591  | 292  | 149  | 93   | 566  |
| 65° | 429  | 311  | 100  | 3    | 3    | 417  |
| 75° | 193  | 118  | 22   | 0    | 0    | 206  |
| 85° | 0    | 3    | 0    | 0    | 0    | 18   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559027 4LBSQLWWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 |
| 2.5°  | 2582.7 | 2654.3 | 2660.5 | 2654.3 | 2663.7 | 2660.5 | 2676.1 | 2660.5 | 2679.3 | 2651.2 | 2657.5 |
| 5°    | 2735.2 | 2707.2 | 2766.3 | 2735.2 | 2735.2 | 2732.2 | 2722.8 | 2719.6 | 2732.2 | 2691.7 | 2710.4 |
| 7.5°  | 2775.7 | 2816.2 | 2869.1 | 2803.7 | 2806.8 | 2806.8 | 2788.1 | 2781.9 | 2781.9 | 2707.2 | 2729.0 |
| 10°   | 2810.0 | 2785.0 | 2813.0 | 2788.1 | 2810.0 | 2806.8 | 2819.2 | 2778.8 | 2806.8 | 2763.3 | 2760.1 |
| 12.5° | 2781.9 | 2772.5 | 2810.0 | 2769.5 | 2757.1 | 2760.1 | 2744.6 | 2735.2 | 2744.6 | 2694.8 | 2691.7 |
| 15°   | 2701.0 | 2710.4 | 2766.3 | 2722.8 | 2716.6 | 2710.4 | 2691.7 | 2660.5 | 2685.5 | 2617.0 | 2620.1 |
| 17.5° | 2673.1 | 2657.5 | 2666.8 | 2629.4 | 2638.8 | 2632.6 | 2629.4 | 2601.5 | 2595.2 | 2551.6 | 2551.6 |
| 20°   | 2542.4 | 2576.5 | 2576.5 | 2551.6 | 2551.6 | 2548.6 | 2508.1 | 2533.0 | 2504.9 | 2492.5 | 2504.9 |
| 22.5° | 2452.0 | 2455.2 | 2455.2 | 2433.4 | 2436.5 | 2424.1 | 2402.3 | 2386.7 | 2402.3 | 2386.7 | 2361.8 |
| 25°   | 2287.2 | 2293.4 | 2330.7 | 2290.3 | 2284.0 | 2296.5 | 2277.8 | 2268.4 | 2265.4 | 2228.1 | 2277.8 |
| 27.5° | 2088.0 | 2150.2 | 2147.1 | 2131.5 | 2150.2 | 2125.3 | 2116.0 | 2119.1 | 2128.5 | 2125.3 | 2137.7 |
| 30°   | 1972.9 | 1982.2 | 1991.6 | 1979.1 | 1982.2 | 1972.9 | 1972.9 | 1976.0 | 2000.8 | 1991.6 | 1988.4 |
| 32.5° | 1739.5 | 1770.5 | 1795.5 | 1795.5 | 1798.6 | 1808.0 | 1804.8 | 1870.1 | 1885.7 | 1854.7 | 1848.4 |
| 35°   | 1537.2 | 1559.0 | 1580.7 | 1583.9 | 1624.4 | 1627.4 | 1630.6 | 1649.2 | 1692.8 | 1702.1 | 1699.0 |
| 37.5° | 1344.3 | 1366.0 | 1372.3 | 1400.3 | 1422.1 | 1443.8 | 1468.8 | 1493.7 | 1531.0 | 1562.1 | 1546.6 |
| 40°   | 1173.2 | 1182.4 | 1198.0 | 1210.5 | 1254.0 | 1254.0 | 1266.4 | 1316.3 | 1356.8 | 1381.6 | 1378.5 |
| 42.5° | 1030.0 | 1033.1 | 1045.5 | 1067.3 | 1107.8 | 1098.4 | 1107.8 | 1142.1 | 1201.1 | 1204.3 | 1238.5 |
| 45°   | 930.4  | 927.3  | 936.7  | 939.7  | 964.7  | 977.1  | 983.3  | 1008.2 | 1058.0 | 1064.2 | 1067.3 |
| 47.5° | 840.2  | 837.1  | 852.7  | 858.9  | 868.1  | 880.6  | 880.6  | 883.7  | 902.4  | 918.0  | 905.6  |
| 50°   | 765.5  | 765.5  | 765.5  | 771.7  | 787.3  | 784.1  | 787.3  | 799.7  | 809.0  | 802.8  | 799.7  |
| 52.5° | 684.5  | 697.0  | 706.4  | 709.5  | 712.6  | 712.6  | 715.7  | 709.5  | 706.4  | 697.0  | 678.3  |
| 55°   | 628.6  | 641.0  | 641.0  | 641.0  | 641.0  | 653.5  | 638.0  | 641.0  | 641.0  | 616.1  | 591.3  |
| 57.5° | 572.6  | 585.1  | 594.3  | 581.9  | 594.3  | 581.9  | 575.7  | 572.6  | 566.3  | 541.4  | 504.1  |
| 60°   | 525.9  | 532.1  | 529.0  | 525.9  | 532.1  | 522.8  | 516.5  | 504.1  | 497.9  | 463.6  | 438.8  |
| 62.5° | 473.0  | 476.1  | 479.2  | 473.0  | 466.8  | 463.6  | 451.2  | 432.5  | 420.1  | 392.1  | 370.2  |
| 65°   | 429.4  | 420.1  | 416.9  | 413.9  | 407.7  | 398.3  | 389.0  | 367.2  | 357.8  | 332.9  | 311.1  |
| 67.5° | 364.0  | 361.0  | 367.2  | 357.8  | 342.3  | 342.3  | 332.9  | 314.3  | 292.5  | 277.0  | 255.2  |
| 70°   | 311.1  | 308.1  | 301.9  | 292.5  | 289.4  | 277.0  | 277.0  | 255.2  | 248.9  | 220.9  | 202.3  |
| 72.5° | 255.2  | 255.2  | 245.8  | 236.5  | 227.1  | 220.9  | 217.9  | 202.3  | 193.0  | 177.4  | 161.8  |
| 75°   | 193.0  | 193.0  | 189.8  | 180.4  | 174.2  | 168.0  | 164.9  | 152.5  | 143.1  | 127.6  | 118.3  |
| 77.5° | 136.9  | 136.9  | 124.5  | 118.3  | 121.3  | 115.1  | 108.9  | 105.8  | 102.7  | 93.4   | 81.0   |
| 80°   | 81.0   | 77.8   | 68.5   | 71.6   | 68.5   | 68.5   | 65.3   | 62.2   | 56.0   | 49.7   | 43.5   |
| 82.5° | 21.8   | 24.9   | 24.9   | 24.9   | 28.0   | 21.8   | 21.8   | 21.8   | 24.9   | 24.9   | 15.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.2    | 3.2    | 3.2    |
| 87.5° | 3.2    | 6.2    | 12.4   | 12.4   | 12.4   | 12.4   | 12.4   | 9.4    | 9.4    | 9.4    | 6.2    |
| 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: LD4C55D010 EX4C559027 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 |
| 2.5°  | 2626.4 | 2623.2 | 2626.4 | 2604.5 | 2654.3 | 2617.0 | 2610.8 | 2604.5 | 2626.4 | 2604.5 | 2573.5 |
| 5°    | 2682.3 | 2651.2 | 2641.8 | 2632.6 | 2660.5 | 2617.0 | 2607.7 | 2610.8 | 2595.2 | 2554.8 | 2557.9 |
| 7.5°  | 2701.0 | 2673.1 | 2645.0 | 2585.9 | 2610.8 | 2601.5 | 2576.5 | 2557.9 | 2533.0 | 2498.7 | 2492.5 |
| 10°   | 2707.2 | 2676.1 | 2635.6 | 2617.0 | 2579.7 | 2567.2 | 2557.9 | 2526.8 | 2495.7 | 2436.5 | 2420.9 |
| 12.5° | 2688.5 | 2651.2 | 2601.5 | 2585.9 | 2557.9 | 2517.4 | 2495.7 | 2464.5 | 2436.5 | 2389.9 | 2355.6 |
| 15°   | 2607.7 | 2576.5 | 2561.0 | 2508.1 | 2495.7 | 2470.7 | 2427.2 | 2383.6 | 2343.2 | 2280.9 | 2262.2 |
| 17.5° | 2514.3 | 2501.9 | 2486.3 | 2445.8 | 2442.8 | 2417.9 | 2377.4 | 2340.0 | 2287.2 | 2190.7 | 2159.6 |
| 20°   | 2417.9 | 2417.9 | 2368.0 | 2352.6 | 2383.6 | 2333.8 | 2302.7 | 2268.4 | 2159.6 | 2112.9 | 2056.9 |
| 22.5° | 2346.3 | 2312.1 | 2284.0 | 2259.2 | 2262.2 | 2231.1 | 2187.6 | 2119.1 | 2078.6 | 2022.7 | 1957.3 |
| 25°   | 2206.3 | 2218.7 | 2156.5 | 2147.1 | 2156.5 | 2084.8 | 2063.1 | 2007.0 | 1947.9 | 1895.0 | 1845.3 |
| 27.5° | 2119.1 | 2084.8 | 2044.5 | 2010.2 | 2010.2 | 1982.2 | 1920.0 | 1907.6 | 1817.2 | 1767.5 | 1705.2 |
| 30°   | 1988.4 | 1963.5 | 1929.3 | 1879.5 | 1873.3 | 1851.5 | 1801.7 | 1770.5 | 1677.3 | 1602.5 | 1568.3 |
| 32.5° | 1823.4 | 1814.2 | 1786.1 | 1730.2 | 1711.5 | 1686.5 | 1624.4 | 1571.5 | 1527.9 | 1443.8 | 1403.5 |
| 35°   | 1705.2 | 1671.1 | 1611.9 | 1565.2 | 1549.6 | 1506.1 | 1456.2 | 1418.9 | 1372.3 | 1297.6 | 1244.7 |
| 37.5° | 1527.9 | 1493.7 | 1437.6 | 1381.6 | 1381.6 | 1338.1 | 1269.6 | 1232.3 | 1166.9 | 1123.3 | 1079.8 |
| 40°   | 1372.3 | 1328.7 | 1272.8 | 1207.4 | 1198.0 | 1135.7 | 1107.8 | 1045.5 | 1005.0 | 936.7  | 930.4  |
| 42.5° | 1198.0 | 1157.6 | 1107.8 | 1058.0 | 1020.7 | 989.6  | 918.0  | 871.3  | 827.8  | 793.5  | 784.1  |
| 45°   | 1039.3 | 986.4  | 942.9  | 880.6  | 843.3  | 806.0  | 759.3  | 728.2  | 693.9  | 656.6  | 634.8  |
| 47.5° | 902.4  | 858.9  | 796.6  | 740.6  | 703.3  | 684.5  | 631.6  | 597.5  | 569.5  | 544.6  | 529.0  |
| 50°   | 762.4  | 709.5  | 675.3  | 613.0  | 606.8  | 563.2  | 519.7  | 491.7  | 476.1  | 454.4  | 432.5  |
| 52.5° | 656.6  | 606.8  | 560.1  | 513.5  | 488.5  | 473.0  | 432.5  | 404.5  | 382.8  | 367.2  | 354.8  |
| 55°   | 553.8  | 510.3  | 473.0  | 426.3  | 410.7  | 389.0  | 342.3  | 336.1  | 314.3  | 292.5  | 277.0  |
| 57.5° | 476.1  | 435.6  | 392.1  | 361.0  | 332.9  | 317.5  | 280.0  | 255.2  | 242.7  | 224.1  | 208.5  |
| 60°   | 404.5  | 361.0  | 326.7  | 289.4  | 277.0  | 255.2  | 227.1  | 205.4  | 189.8  | 174.2  | 158.7  |
| 62.5° | 339.2  | 301.9  | 264.6  | 233.3  | 214.7  | 202.3  | 180.4  | 161.8  | 146.3  | 133.9  | 121.3  |
| 65°   | 280.0  | 245.8  | 214.7  | 183.6  | 174.2  | 158.7  | 143.1  | 127.6  | 115.1  | 99.6   | 87.2   |
| 67.5° | 230.3  | 199.2  | 168.0  | 146.3  | 136.9  | 130.7  | 112.0  | 96.4   | 87.2   | 77.8   | 65.3   |
| 70°   | 180.4  | 158.7  | 133.9  | 115.1  | 105.8  | 96.4   | 84.0   | 74.7   | 62.2   | 56.0   | 46.7   |
| 72.5° | 140.1  | 121.3  | 99.6   | 84.0   | 77.8   | 71.6   | 59.1   | 49.7   | 43.5   | 37.3   | 31.1   |
| 75°   | 99.6   | 84.0   | 71.6   | 56.0   | 52.9   | 49.7   | 40.5   | 34.3   | 28.0   | 21.8   | 18.7   |
| 77.5° | 68.5   | 56.0   | 43.5   | 37.3   | 34.3   | 28.0   | 24.9   | 18.7   | 15.6   | 12.4   | 9.4    |
| 80°   | 37.3   | 28.0   | 21.8   | 18.7   | 15.6   | 12.4   | 12.4   | 9.4    | 6.2    | 6.2    | 3.2    |
| 82.5° | 12.4   | 9.4    | 6.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 0.0    | 3.2    |
| 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° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 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: LD4C55D010 EX4C559027 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 |
| 2.5°  | 2592.1 | 2557.9 | 2567.2 | 2567.2 | 2561.0 | 2561.0 | 2554.8 | 2545.4 | 2548.6 | 2529.8 | 2489.5 |
| 5°    | 2564.1 | 2520.5 | 2514.3 | 2520.5 | 2495.7 | 2489.5 | 2477.0 | 2495.7 | 2439.6 | 2461.4 | 2436.5 |
| 7.5°  | 2483.2 | 2442.8 | 2433.4 | 2455.2 | 2424.1 | 2405.3 | 2402.3 | 2427.2 | 2377.4 | 2352.6 | 2324.5 |
| 10°   | 2392.9 | 2377.4 | 2349.4 | 2333.8 | 2324.5 | 2327.6 | 2302.7 | 2271.6 | 2262.2 | 2256.0 | 2231.1 |
| 12.5° | 2312.1 | 2277.8 | 2252.9 | 2234.3 | 2228.1 | 2228.1 | 2187.6 | 2181.4 | 2153.3 | 2147.1 | 2109.8 |
| 15°   | 2215.5 | 2175.2 | 2159.6 | 2134.7 | 2112.9 | 2125.3 | 2078.6 | 2066.2 | 2056.9 | 2016.4 | 2022.7 |
| 17.5° | 2131.5 | 2088.0 | 2050.7 | 2035.1 | 2016.4 | 1997.8 | 1954.1 | 1963.5 | 1941.7 | 1941.7 | 1885.7 |
| 20°   | 2022.7 | 1976.0 | 1947.9 | 1916.8 | 1916.8 | 1892.0 | 1860.9 | 1863.9 | 1835.9 | 1808.0 | 1758.1 |
| 22.5° | 1907.6 | 1857.7 | 1823.4 | 1811.0 | 1779.9 | 1773.7 | 1736.4 | 1727.0 | 1689.7 | 1692.8 | 1649.2 |
| 25°   | 1786.1 | 1736.4 | 1689.7 | 1692.8 | 1664.8 | 1652.4 | 1630.6 | 1587.1 | 1571.5 | 1552.8 | 1540.4 |
| 27.5° | 1643.0 | 1608.8 | 1568.3 | 1565.2 | 1512.3 | 1515.4 | 1487.5 | 1475.0 | 1437.6 | 1447.0 | 1418.9 |
| 30°   | 1512.3 | 1462.6 | 1425.2 | 1415.9 | 1394.1 | 1387.9 | 1344.3 | 1325.6 | 1331.9 | 1306.9 | 1291.4 |
| 32.5° | 1378.5 | 1303.9 | 1288.3 | 1269.6 | 1257.2 | 1241.6 | 1210.5 | 1222.9 | 1194.9 | 1201.1 | 1176.2 |
| 35°   | 1201.1 | 1170.0 | 1129.5 | 1129.5 | 1117.1 | 1104.7 | 1083.0 | 1095.4 | 1067.3 | 1054.9 | 1030.0 |
| 37.5° | 1051.7 | 1023.8 | 983.3  | 995.8  | 974.0  | 955.3  | 936.7  | 939.7  | 914.8  | 911.8  | 886.8  |
| 40°   | 890.0  | 874.4  | 846.4  | 846.4  | 830.8  | 830.8  | 821.4  | 812.2  | 796.6  | 777.9  | 749.9  |
| 42.5° | 737.5  | 725.0  | 712.6  | 715.7  | 693.9  | 712.6  | 687.7  | 703.3  | 653.5  | 650.4  | 631.6  |
| 45°   | 625.4  | 597.5  | 600.5  | 588.1  | 575.7  | 581.9  | 560.1  | 566.3  | 538.4  | 532.1  | 513.5  |
| 47.5° | 507.3  | 497.9  | 479.2  | 473.0  | 473.0  | 463.6  | 454.4  | 451.2  | 438.8  | 423.2  | 398.3  |
| 50°   | 416.9  | 382.8  | 376.5  | 367.2  | 361.0  | 361.0  | 348.5  | 329.9  | 332.9  | 317.5  | 292.5  |
| 52.5° | 326.7  | 298.7  | 286.3  | 283.2  | 270.8  | 264.6  | 248.9  | 236.5  | 227.1  | 220.9  | 205.4  |
| 55°   | 252.0  | 227.1  | 211.6  | 211.6  | 193.0  | 193.0  | 171.2  | 161.8  | 149.3  | 136.9  | 127.6  |
| 57.5° | 189.8  | 177.4  | 161.8  | 149.3  | 143.1  | 127.6  | 115.1  | 99.6   | 90.2   | 71.6   | 59.1   |
| 60°   | 143.1  | 130.7  | 115.1  | 105.8  | 99.6   | 84.0   | 68.5   | 56.0   | 34.3   | 28.0   | 24.9   |
| 62.5° | 105.8  | 93.4   | 77.8   | 71.6   | 65.3   | 52.9   | 37.3   | 18.7   | 9.4    | 9.4    | 9.4    |
| 65°   | 77.8   | 62.2   | 49.7   | 43.5   | 37.3   | 28.0   | 12.4   | 6.2    | 3.2    | 3.2    | 3.2    |
| 67.5° | 52.9   | 40.5   | 28.0   | 24.9   | 18.7   | 9.4    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 70°   | 34.3   | 24.9   | 12.4   | 9.4    | 6.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 72.5° | 21.8   | 12.4   | 6.2    | 3.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 12.4   | 6.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 6.2    | 3.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 3.2    | 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    | 3.2    | 3.2    | 3.2    |
| 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: LD4C55D010 EX4C559027 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 | 2595.2 |
| 2.5°  | 2533.0 | 2511.2 | 2523.6 | 2495.7 | 2508.1 | 2529.8 | 2514.3 | 2520.5 |
| 5°    | 2445.8 | 2433.4 | 2417.9 | 2377.4 | 2408.5 | 2433.4 | 2420.9 | 2417.9 |
| 7.5°  | 2352.6 | 2308.9 | 2330.7 | 2318.3 | 2312.1 | 2336.9 | 2308.9 | 2340.0 |
| 10°   | 2256.0 | 2224.9 | 2221.9 | 2200.0 | 2200.0 | 2218.7 | 2221.9 | 2203.1 |
| 12.5° | 2112.9 | 2097.4 | 2097.4 | 2094.2 | 2091.0 | 2109.8 | 2112.9 | 2103.6 |
| 15°   | 2010.2 | 2004.0 | 1988.4 | 1985.3 | 1966.7 | 1994.6 | 1997.8 | 1994.6 |
| 17.5° | 1885.7 | 1888.8 | 1873.3 | 1873.3 | 1885.7 | 1895.0 | 1870.1 | 1895.0 |
| 20°   | 1801.7 | 1786.1 | 1779.9 | 1751.9 | 1767.5 | 1783.1 | 1783.1 | 1786.1 |
| 22.5° | 1680.3 | 1655.5 | 1664.8 | 1649.2 | 1639.8 | 1661.7 | 1661.7 | 1671.1 |
| 25°   | 1543.4 | 1543.4 | 1549.6 | 1540.4 | 1546.6 | 1559.0 | 1549.6 | 1571.5 |
| 27.5° | 1412.7 | 1425.2 | 1425.2 | 1412.7 | 1418.9 | 1456.2 | 1471.9 | 1447.0 |
| 30°   | 1291.4 | 1294.5 | 1303.9 | 1297.6 | 1316.3 | 1328.7 | 1325.6 | 1344.3 |
| 32.5° | 1154.5 | 1170.0 | 1176.2 | 1166.9 | 1173.2 | 1201.1 | 1185.6 | 1182.4 |
| 35°   | 1048.7 | 1020.7 | 1017.6 | 1020.7 | 1033.1 | 1039.3 | 1033.1 | 1054.9 |
| 37.5° | 896.2  | 886.8  | 874.4  | 877.5  | 886.8  | 899.4  | 905.6  | 921.1  |
| 40°   | 749.9  | 737.5  | 737.5  | 734.4  | 725.0  | 759.3  | 759.3  | 759.3  |
| 42.5° | 622.4  | 619.2  | 603.7  | 603.7  | 616.1  | 625.4  | 619.2  | 641.0  |
| 45°   | 510.3  | 497.9  | 488.5  | 488.5  | 497.9  | 497.9  | 507.3  | 504.1  |
| 47.5° | 401.5  | 389.0  | 392.1  | 382.8  | 392.1  | 404.5  | 389.0  | 392.1  |
| 50°   | 301.9  | 301.9  | 295.6  | 301.9  | 298.7  | 301.9  | 295.6  | 289.4  |
| 52.5° | 205.4  | 233.3  | 236.5  | 224.1  | 196.0  | 171.2  | 155.6  | 168.0  |
| 55°   | 118.3  | 105.8  | 105.8  | 102.7  | 96.4   | 93.4   | 84.0   | 93.4   |
| 57.5° | 59.1   | 52.9   | 52.9   | 52.9   | 49.7   | 46.7   | 40.5   | 40.5   |
| 60°   | 24.9   | 21.8   | 21.8   | 18.7   | 15.6   | 12.4   | 9.4    | 12.4   |
| 62.5° | 9.4    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    |
| 65°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 67.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 70°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 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)