

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: **LD4C25D010 EX4C259040 4LBSQLWWH**

Issue Date: 2/18/2022

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 (P219529)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C25D010 EX4C259040 4LBSQLWWH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBSQLWW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

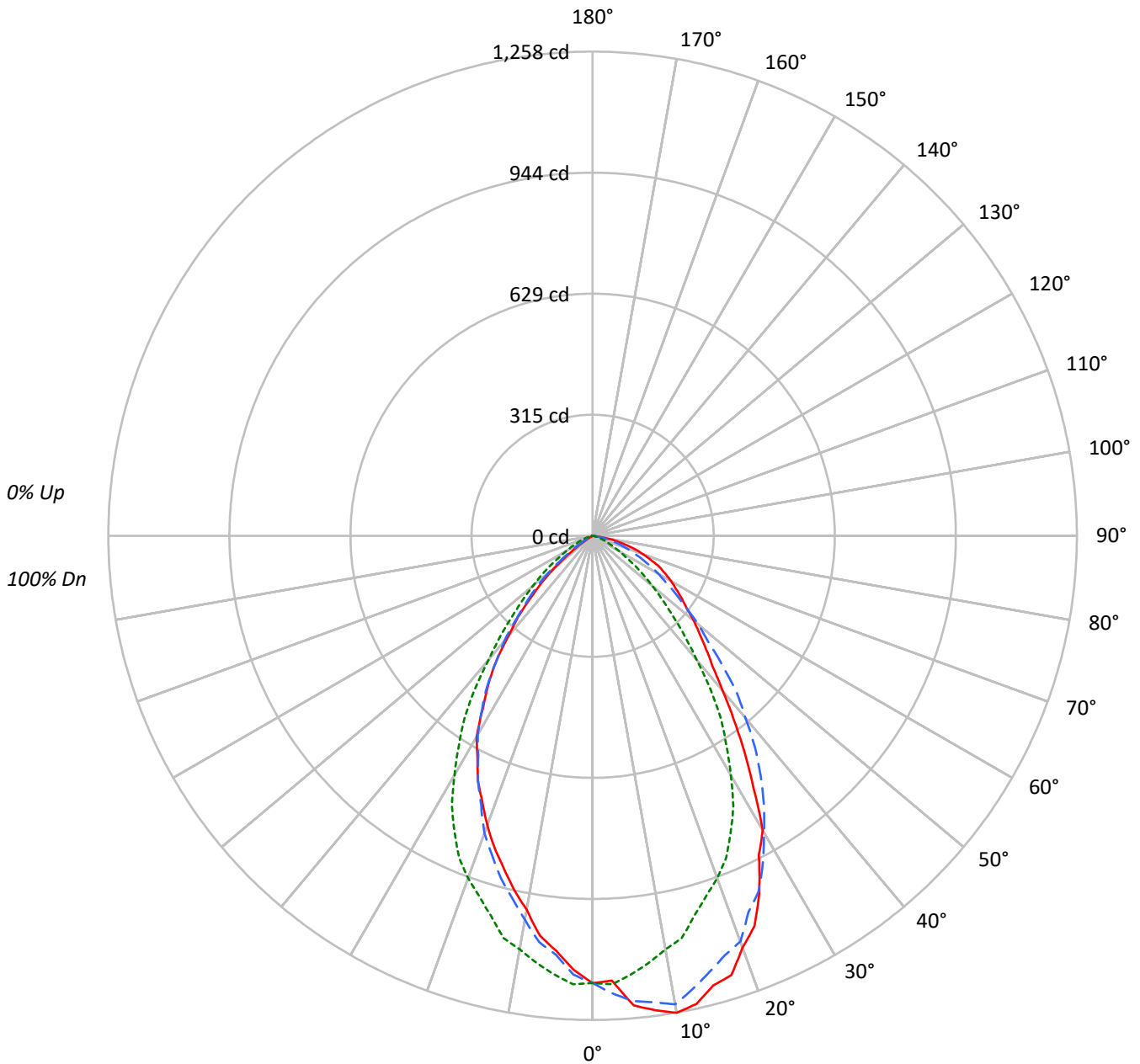
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1666.0 lumens  
Efficiency: N/A  
Efficacy: 52.9 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): 31.5  
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: LD4C25D010 EX4C259040 4LBSQLWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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**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   | 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°  | 112139 | 112139 | 112139 |
| 5°  | 118650 | 110824 | 104887 |
| 10° | 123295 | 106913 | 96674  |
| 15° | 120830 | 102040 | 89234  |
| 20° | 116913 | 97157  | 82135  |
| 25° | 109051 | 90356  | 74929  |
| 30° | 98447  | 79963  | 67083  |
| 35° | 81087  | 68448  | 55645  |
| 40° | 66178  | 52839  | 42825  |
| 45° | 56861  | 40132  | 30812  |
| 50° | 51458  | 30547  | 19454  |
| 55° | 47355  | 22037  | 7032   |
| 60° | 45446  | 15052  | 1081   |
| 65° | 43904  | 10183  | 320    |
| 70° | 39299  | 7081   | 395    |
| 75° | 32210  | 3653   | 0      |
| 80° | 20170  | 1556   | 0      |
| 85° | 0      | 0      | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 108.9  | 6.5       |
| 10°-20°   | 293.4  | 17.6      |
| 20°-30°   | 391.8  | 23.5      |
| 30°-40°   | 371.9  | 22.3      |
| 40°-50°   | 257.1  | 15.4      |
| 50°-60°   | 142.0  | 8.5       |
| 60°-70°   | 70.5   | 4.2       |
| 70°-80°   | 27.8   | 1.7       |
| 80°-90°   | 2.6    | 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°    | 794.0  | 47.7      |
| 0°-40°    | 1165.9 | 70.0      |
| 0°-60°    | 1565.0 | 93.9      |
| 0°-90°    | 1666.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1666.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1162 | 1162 | 1162 | 1162 | 1162 |      |
| 5°  | 1225 | 1214 | 1144 | 1093 | 1083 | 117  |
| 15° | 1210 | 1173 | 1022 | 921  | 893  | 342  |
| 25° | 1024 | 1020 | 849  | 704  | 704  | 467  |
| 35° | 688  | 761  | 581  | 478  | 472  | 431  |
| 45° | 417  | 478  | 294  | 241  | 226  | 325  |
| 55° | 282  | 265  | 131  | 67   | 42   | 253  |
| 65° | 192  | 139  | 45   | 1    | 1    | 187  |
| 75° | 86   | 53   | 10   | 0    | 0    | 92   |
| 85° | 0    | 1    | 0    | 0    | 0    | 8    |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P#

CATALOG NUMBER: LD4C25D010 EX4C259040 4LBSQLWWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5°  | 1156.7 | 1188.7 | 1191.5 | 1188.7 | 1192.9 | 1191.5 | 1198.5 | 1191.5 | 1199.9 | 1187.4 | 1190.1 |
| 5°    | 1225.0 | 1212.4 | 1238.9 | 1225.0 | 1225.0 | 1223.6 | 1219.4 | 1218.0 | 1223.6 | 1205.5 | 1213.8 |
| 7.5°  | 1243.1 | 1261.2 | 1284.9 | 1255.7 | 1257.0 | 1257.0 | 1248.7 | 1245.9 | 1245.9 | 1212.4 | 1222.2 |
| 10°   | 1258.4 | 1247.2 | 1259.8 | 1248.7 | 1258.4 | 1257.0 | 1262.6 | 1244.5 | 1257.0 | 1237.5 | 1236.1 |
| 12.5° | 1245.9 | 1241.7 | 1258.4 | 1240.3 | 1234.7 | 1236.1 | 1229.2 | 1225.0 | 1229.2 | 1206.8 | 1205.5 |
| 15°   | 1209.6 | 1213.8 | 1238.9 | 1219.4 | 1216.6 | 1213.8 | 1205.5 | 1191.5 | 1202.7 | 1172.0 | 1173.4 |
| 17.5° | 1197.1 | 1190.1 | 1194.3 | 1177.6 | 1181.8 | 1179.0 | 1177.6 | 1165.1 | 1162.2 | 1142.7 | 1142.7 |
| 20°   | 1138.6 | 1153.9 | 1153.9 | 1142.7 | 1142.7 | 1141.4 | 1123.3 | 1134.4 | 1121.8 | 1116.3 | 1121.8 |
| 22.5° | 1098.1 | 1099.6 | 1099.6 | 1089.8 | 1091.2 | 1085.6 | 1075.9 | 1068.9 | 1075.9 | 1068.9 | 1057.7 |
| 25°   | 1024.3 | 1027.1 | 1043.8 | 1025.7 | 1022.9 | 1028.5 | 1020.1 | 1015.9 | 1014.6 | 997.8  | 1020.1 |
| 27.5° | 935.1  | 963.0  | 961.6  | 954.6  | 963.0  | 951.8  | 947.7  | 949.0  | 953.2  | 951.8  | 957.4  |
| 30°   | 883.6  | 887.7  | 891.9  | 886.4  | 887.7  | 883.6  | 883.6  | 884.9  | 896.1  | 891.9  | 890.5  |
| 32.5° | 779.0  | 792.9  | 804.1  | 804.1  | 805.5  | 809.7  | 808.3  | 837.5  | 844.5  | 830.6  | 827.8  |
| 35°   | 688.4  | 698.2  | 707.9  | 709.3  | 727.5  | 728.8  | 730.3  | 738.6  | 758.1  | 762.3  | 760.9  |
| 37.5° | 602.1  | 611.8  | 614.6  | 627.1  | 636.9  | 646.6  | 657.8  | 668.9  | 685.6  | 699.6  | 692.6  |
| 40°   | 525.4  | 529.6  | 536.5  | 542.1  | 561.6  | 561.6  | 567.2  | 589.5  | 607.6  | 618.8  | 617.3  |
| 42.5° | 461.3  | 462.7  | 468.2  | 478.0  | 496.1  | 491.9  | 496.1  | 511.5  | 537.9  | 539.3  | 554.7  |
| 45°   | 416.7  | 415.3  | 419.5  | 420.8  | 432.0  | 437.6  | 440.4  | 451.5  | 473.8  | 476.6  | 478.0  |
| 47.5° | 376.3  | 374.9  | 381.9  | 384.6  | 388.8  | 394.4  | 394.4  | 395.8  | 404.1  | 411.1  | 405.6  |
| 50°   | 342.8  | 342.8  | 342.8  | 345.6  | 352.6  | 351.2  | 352.6  | 358.2  | 362.3  | 359.5  | 358.2  |
| 52.5° | 306.6  | 312.1  | 316.3  | 317.8  | 319.1  | 319.1  | 320.5  | 317.8  | 316.3  | 312.1  | 303.8  |
| 55°   | 281.5  | 287.1  | 287.1  | 287.1  | 287.1  | 292.6  | 285.7  | 287.1  | 287.1  | 275.9  | 264.8  |
| 57.5° | 256.4  | 262.0  | 266.2  | 260.6  | 266.2  | 260.6  | 257.8  | 256.4  | 253.6  | 242.5  | 225.8  |
| 60°   | 235.5  | 238.3  | 236.9  | 235.5  | 238.3  | 234.1  | 231.3  | 225.8  | 223.0  | 207.6  | 196.5  |
| 62.5° | 211.8  | 213.2  | 214.6  | 211.8  | 209.1  | 207.6  | 202.1  | 193.7  | 188.1  | 175.6  | 165.8  |
| 65°   | 192.3  | 188.1  | 186.7  | 185.4  | 182.6  | 178.4  | 174.2  | 164.5  | 160.2  | 149.1  | 139.3  |
| 67.5° | 163.0  | 161.7  | 164.5  | 160.2  | 153.3  | 153.3  | 149.1  | 140.8  | 131.0  | 124.0  | 114.3  |
| 70°   | 139.3  | 138.0  | 135.2  | 131.0  | 129.6  | 124.0  | 124.0  | 114.3  | 111.5  | 98.9   | 90.6   |
| 72.5° | 114.3  | 114.3  | 110.1  | 105.9  | 101.7  | 98.9   | 97.6   | 90.6   | 86.4   | 79.4   | 72.5   |
| 75°   | 86.4   | 86.4   | 85.0   | 80.8   | 78.0   | 75.2   | 73.9   | 68.3   | 64.1   | 57.2   | 53.0   |
| 77.5° | 61.3   | 61.3   | 55.7   | 53.0   | 54.3   | 51.5   | 48.8   | 47.4   | 46.0   | 41.8   | 36.3   |
| 80°   | 36.3   | 34.8   | 30.7   | 32.0   | 30.7   | 30.7   | 29.3   | 27.8   | 25.1   | 22.3   | 19.5   |
| 82.5° | 9.8    | 11.1   | 11.1   | 11.1   | 12.6   | 9.8    | 9.8    | 9.8    | 11.1   | 11.1   | 7.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    |
| 87.5° | 1.4    | 2.8    | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    | 4.2    | 4.2    | 4.2    | 2.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5°  | 1176.2 | 1174.8 | 1176.2 | 1166.4 | 1188.7 | 1172.0 | 1169.2 | 1166.4 | 1176.2 | 1166.4 | 1152.5 |
| 5°    | 1201.3 | 1187.4 | 1183.2 | 1179.0 | 1191.5 | 1172.0 | 1167.9 | 1169.2 | 1162.2 | 1144.2 | 1145.5 |
| 7.5°  | 1209.6 | 1197.1 | 1184.6 | 1158.1 | 1169.2 | 1165.1 | 1153.9 | 1145.5 | 1134.4 | 1119.1 | 1116.3 |
| 10°   | 1212.4 | 1198.5 | 1180.4 | 1172.0 | 1155.3 | 1149.7 | 1145.5 | 1131.6 | 1117.7 | 1091.2 | 1084.2 |
| 12.5° | 1204.1 | 1187.4 | 1165.1 | 1158.1 | 1145.5 | 1127.4 | 1117.7 | 1103.7 | 1091.2 | 1070.3 | 1055.0 |
| 15°   | 1167.9 | 1153.9 | 1147.0 | 1123.3 | 1117.7 | 1106.5 | 1087.0 | 1067.5 | 1049.4 | 1021.5 | 1013.1 |
| 17.5° | 1126.0 | 1120.5 | 1113.5 | 1095.4 | 1094.0 | 1082.9 | 1064.7 | 1048.0 | 1024.3 | 981.1  | 967.2  |
| 20°   | 1082.9 | 1082.9 | 1060.5 | 1053.6 | 1067.5 | 1045.2 | 1031.3 | 1015.9 | 967.2  | 946.2  | 921.2  |
| 22.5° | 1050.8 | 1035.5 | 1022.9 | 1011.8 | 1013.1 | 999.2  | 979.7  | 949.0  | 930.9  | 905.8  | 876.6  |
| 25°   | 988.1  | 993.6  | 965.8  | 961.6  | 965.8  | 933.7  | 924.0  | 898.9  | 872.4  | 848.7  | 826.4  |
| 27.5° | 949.0  | 933.7  | 915.6  | 900.3  | 900.3  | 887.7  | 859.9  | 854.3  | 813.8  | 791.6  | 763.7  |
| 30°   | 890.5  | 879.4  | 864.0  | 841.7  | 839.0  | 829.2  | 806.9  | 792.9  | 751.2  | 717.7  | 702.4  |
| 32.5° | 816.6  | 812.5  | 799.9  | 774.9  | 766.5  | 755.3  | 727.5  | 703.8  | 684.3  | 646.6  | 628.5  |
| 35°   | 763.7  | 748.4  | 721.9  | 701.0  | 694.0  | 674.5  | 652.2  | 635.5  | 614.6  | 581.1  | 557.5  |
| 37.5° | 684.3  | 668.9  | 643.8  | 618.8  | 618.8  | 599.3  | 568.6  | 551.9  | 522.6  | 503.1  | 483.6  |
| 40°   | 614.6  | 595.1  | 570.0  | 540.7  | 536.5  | 508.6  | 496.1  | 468.2  | 450.1  | 419.5  | 416.7  |
| 42.5° | 536.5  | 518.4  | 496.1  | 473.8  | 457.1  | 443.2  | 411.1  | 390.2  | 370.7  | 355.4  | 351.2  |
| 45°   | 465.5  | 441.8  | 422.3  | 394.4  | 377.7  | 361.0  | 340.0  | 326.1  | 310.8  | 294.1  | 284.3  |
| 47.5° | 404.1  | 384.6  | 356.7  | 331.7  | 315.0  | 306.6  | 282.9  | 267.6  | 255.0  | 243.9  | 236.9  |
| 50°   | 341.5  | 317.8  | 302.4  | 274.5  | 271.7  | 252.2  | 232.8  | 220.2  | 213.2  | 203.5  | 193.7  |
| 52.5° | 294.1  | 271.7  | 250.8  | 230.0  | 218.8  | 211.8  | 193.7  | 181.2  | 171.4  | 164.5  | 158.9  |
| 55°   | 248.0  | 228.5  | 211.8  | 190.9  | 183.9  | 174.2  | 153.3  | 150.5  | 140.8  | 131.0  | 124.0  |
| 57.5° | 213.2  | 195.1  | 175.6  | 161.7  | 149.1  | 142.2  | 125.4  | 114.3  | 108.7  | 100.4  | 93.4   |
| 60°   | 181.2  | 161.7  | 146.3  | 129.6  | 124.0  | 114.3  | 101.7  | 92.0   | 85.0   | 78.0   | 71.1   |
| 62.5° | 151.9  | 135.2  | 118.5  | 104.5  | 96.1   | 90.6   | 80.8   | 72.5   | 65.5   | 59.9   | 54.3   |
| 65°   | 125.4  | 110.1  | 96.1   | 82.2   | 78.0   | 71.1   | 64.1   | 57.2   | 51.5   | 44.6   | 39.0   |
| 67.5° | 103.1  | 89.2   | 75.2   | 65.5   | 61.3   | 58.5   | 50.2   | 43.2   | 39.0   | 34.8   | 29.3   |
| 70°   | 80.8   | 71.1   | 59.9   | 51.5   | 47.4   | 43.2   | 37.6   | 33.5   | 27.8   | 25.1   | 20.9   |
| 72.5° | 62.7   | 54.3   | 44.6   | 37.6   | 34.8   | 32.0   | 26.5   | 22.3   | 19.5   | 16.7   | 13.9   |
| 75°   | 44.6   | 37.6   | 32.0   | 25.1   | 23.7   | 22.3   | 18.1   | 15.3   | 12.6   | 9.8    | 8.4    |
| 77.5° | 30.7   | 25.1   | 19.5   | 16.7   | 15.3   | 12.6   | 11.1   | 8.4    | 7.0    | 5.6    | 4.2    |
| 80°   | 16.7   | 12.6   | 9.8    | 8.4    | 7.0    | 5.6    | 5.6    | 4.2    | 2.8    | 2.8    | 1.4    |
| 82.5° | 5.6    | 4.2    | 2.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.0    | 1.4    |
| 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° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 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: LD4C25D010 EX4C259040 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5°  | 1160.9 | 1145.5 | 1149.7 | 1149.7 | 1147.0 | 1147.0 | 1144.2 | 1140.0 | 1141.4 | 1133.0 | 1114.9 |
| 5°    | 1148.3 | 1128.8 | 1126.0 | 1128.8 | 1117.7 | 1114.9 | 1109.3 | 1117.7 | 1092.6 | 1102.3 | 1091.2 |
| 7.5°  | 1112.1 | 1094.0 | 1089.8 | 1099.6 | 1085.6 | 1077.2 | 1075.9 | 1087.0 | 1064.7 | 1053.6 | 1041.0 |
| 10°   | 1071.7 | 1064.7 | 1052.2 | 1045.2 | 1041.0 | 1042.4 | 1031.3 | 1017.3 | 1013.1 | 1010.3 | 999.2  |
| 12.5° | 1035.5 | 1020.1 | 1009.0 | 1000.6 | 997.8  | 997.8  | 979.7  | 976.9  | 964.4  | 961.6  | 944.9  |
| 15°   | 992.2  | 974.1  | 967.2  | 956.0  | 946.2  | 951.8  | 930.9  | 925.3  | 921.2  | 903.1  | 905.8  |
| 17.5° | 954.6  | 935.1  | 918.4  | 911.4  | 903.1  | 894.7  | 875.2  | 879.4  | 869.6  | 869.6  | 844.5  |
| 20°   | 905.8  | 884.9  | 872.4  | 858.5  | 858.5  | 847.3  | 833.4  | 834.8  | 822.2  | 809.7  | 787.4  |
| 22.5° | 854.3  | 832.0  | 816.6  | 811.1  | 797.1  | 794.4  | 777.6  | 773.4  | 756.7  | 758.1  | 738.6  |
| 25°   | 799.9  | 777.6  | 756.7  | 758.1  | 745.6  | 740.0  | 730.3  | 710.8  | 703.8  | 695.4  | 689.9  |
| 27.5° | 735.8  | 720.5  | 702.4  | 701.0  | 677.3  | 678.7  | 666.2  | 660.6  | 643.8  | 648.0  | 635.5  |
| 30°   | 677.3  | 655.0  | 638.3  | 634.1  | 624.3  | 621.6  | 602.1  | 593.7  | 596.5  | 585.3  | 578.4  |
| 32.5° | 617.3  | 583.9  | 576.9  | 568.6  | 563.0  | 556.0  | 542.1  | 547.7  | 535.1  | 537.9  | 526.8  |
| 35°   | 537.9  | 524.0  | 505.9  | 505.9  | 500.3  | 494.7  | 485.0  | 490.6  | 478.0  | 472.4  | 461.3  |
| 37.5° | 471.0  | 458.5  | 440.4  | 446.0  | 436.2  | 427.8  | 419.5  | 420.8  | 409.7  | 408.3  | 397.1  |
| 40°   | 398.6  | 391.6  | 379.1  | 379.1  | 372.1  | 372.1  | 367.9  | 363.7  | 356.7  | 348.4  | 335.8  |
| 42.5° | 330.3  | 324.7  | 319.1  | 320.5  | 310.8  | 319.1  | 308.0  | 315.0  | 292.6  | 291.3  | 282.9  |
| 45°   | 280.1  | 267.6  | 269.0  | 263.4  | 257.8  | 260.6  | 250.8  | 253.6  | 241.1  | 238.3  | 230.0  |
| 47.5° | 227.2  | 223.0  | 214.6  | 211.8  | 211.8  | 207.6  | 203.5  | 202.1  | 196.5  | 189.5  | 178.4  |
| 50°   | 186.7  | 171.4  | 168.6  | 164.5  | 161.7  | 161.7  | 156.1  | 147.7  | 149.1  | 142.2  | 131.0  |
| 52.5° | 146.3  | 133.8  | 128.2  | 126.8  | 121.3  | 118.5  | 111.5  | 105.9  | 101.7  | 98.9   | 92.0   |
| 55°   | 112.9  | 101.7  | 94.8   | 94.8   | 86.4   | 86.4   | 76.7   | 72.5   | 66.9   | 61.3   | 57.2   |
| 57.5° | 85.0   | 79.4   | 72.5   | 66.9   | 64.1   | 57.2   | 51.5   | 44.6   | 40.4   | 32.0   | 26.5   |
| 60°   | 64.1   | 58.5   | 51.5   | 47.4   | 44.6   | 37.6   | 30.7   | 25.1   | 15.3   | 12.6   | 11.1   |
| 62.5° | 47.4   | 41.8   | 34.8   | 32.0   | 29.3   | 23.7   | 16.7   | 8.4    | 4.2    | 4.2    | 4.2    |
| 65°   | 34.8   | 27.8   | 22.3   | 19.5   | 16.7   | 12.6   | 5.6    | 2.8    | 1.4    | 1.4    | 1.4    |
| 67.5° | 23.7   | 18.1   | 12.6   | 11.1   | 8.4    | 4.2    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 15.3   | 11.1   | 5.6    | 4.2    | 2.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 72.5° | 9.8    | 5.6    | 2.8    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 5.6    | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 2.8    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 1.4    | 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    | 1.4    | 1.4    | 1.4    |
| 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: LD4C25D010 EX4C259040 4LBSQLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5°  | 1134.4 | 1124.6 | 1130.2 | 1117.7 | 1123.3 | 1133.0 | 1126.0 | 1128.8 |
| 5°    | 1095.4 | 1089.8 | 1082.9 | 1064.7 | 1078.6 | 1089.8 | 1084.2 | 1082.9 |
| 7.5°  | 1053.6 | 1034.0 | 1043.8 | 1038.2 | 1035.5 | 1046.6 | 1034.0 | 1048.0 |
| 10°   | 1010.3 | 996.4  | 995.1  | 985.3  | 985.3  | 993.6  | 995.1  | 986.7  |
| 12.5° | 946.2  | 939.3  | 939.3  | 937.9  | 936.5  | 944.9  | 946.2  | 942.1  |
| 15°   | 900.3  | 897.5  | 890.5  | 889.1  | 880.8  | 893.3  | 894.7  | 893.3  |
| 17.5° | 844.5  | 845.9  | 839.0  | 839.0  | 844.5  | 848.7  | 837.5  | 848.7  |
| 20°   | 806.9  | 799.9  | 797.1  | 784.6  | 791.6  | 798.6  | 798.6  | 799.9  |
| 22.5° | 752.5  | 741.4  | 745.6  | 738.6  | 734.4  | 744.2  | 744.2  | 748.4  |
| 25°   | 691.2  | 691.2  | 694.0  | 689.9  | 692.6  | 698.2  | 694.0  | 703.8  |
| 27.5° | 632.7  | 638.3  | 638.3  | 632.7  | 635.5  | 652.2  | 659.2  | 648.0  |
| 30°   | 578.4  | 579.7  | 583.9  | 581.1  | 589.5  | 595.1  | 593.7  | 602.1  |
| 32.5° | 517.0  | 524.0  | 526.8  | 522.6  | 525.4  | 537.9  | 531.0  | 529.6  |
| 35°   | 469.7  | 457.1  | 455.7  | 457.1  | 462.7  | 465.5  | 462.7  | 472.4  |
| 37.5° | 401.4  | 397.1  | 391.6  | 393.0  | 397.1  | 402.8  | 405.6  | 412.5  |
| 40°   | 335.8  | 330.3  | 330.3  | 328.9  | 324.7  | 340.0  | 340.0  | 340.0  |
| 42.5° | 278.7  | 277.3  | 270.4  | 270.4  | 275.9  | 280.1  | 277.3  | 287.1  |
| 45°   | 228.5  | 223.0  | 218.8  | 218.8  | 223.0  | 223.0  | 227.2  | 225.8  |
| 47.5° | 179.8  | 174.2  | 175.6  | 171.4  | 175.6  | 181.2  | 174.2  | 175.6  |
| 50°   | 135.2  | 135.2  | 132.4  | 135.2  | 133.8  | 135.2  | 132.4  | 129.6  |
| 52.5° | 92.0   | 104.5  | 105.9  | 100.4  | 87.8   | 76.7   | 69.7   | 75.2   |
| 55°   | 53.0   | 47.4   | 47.4   | 46.0   | 43.2   | 41.8   | 37.6   | 41.8   |
| 57.5° | 26.5   | 23.7   | 23.7   | 23.7   | 22.3   | 20.9   | 18.1   | 18.1   |
| 60°   | 11.1   | 9.8    | 9.8    | 8.4    | 7.0    | 5.6    | 4.2    | 5.6    |
| 62.5° | 4.2    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 65°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 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)