

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: io LED

Report Number: P273343

Luminaire Tested: **0.03-1W-835-90-ID-STD-UNV-AN-3F0**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P273343  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-246-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: 0.03-1W-835-90-ID-STD-UNV-AN-3F0  
Description: iO LIGHTING SERIES .75 LINEAR LED LUMINAIRE, 90 DEGREE SYMMETRIC OPTIC.  
STANDARD OUTPUT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

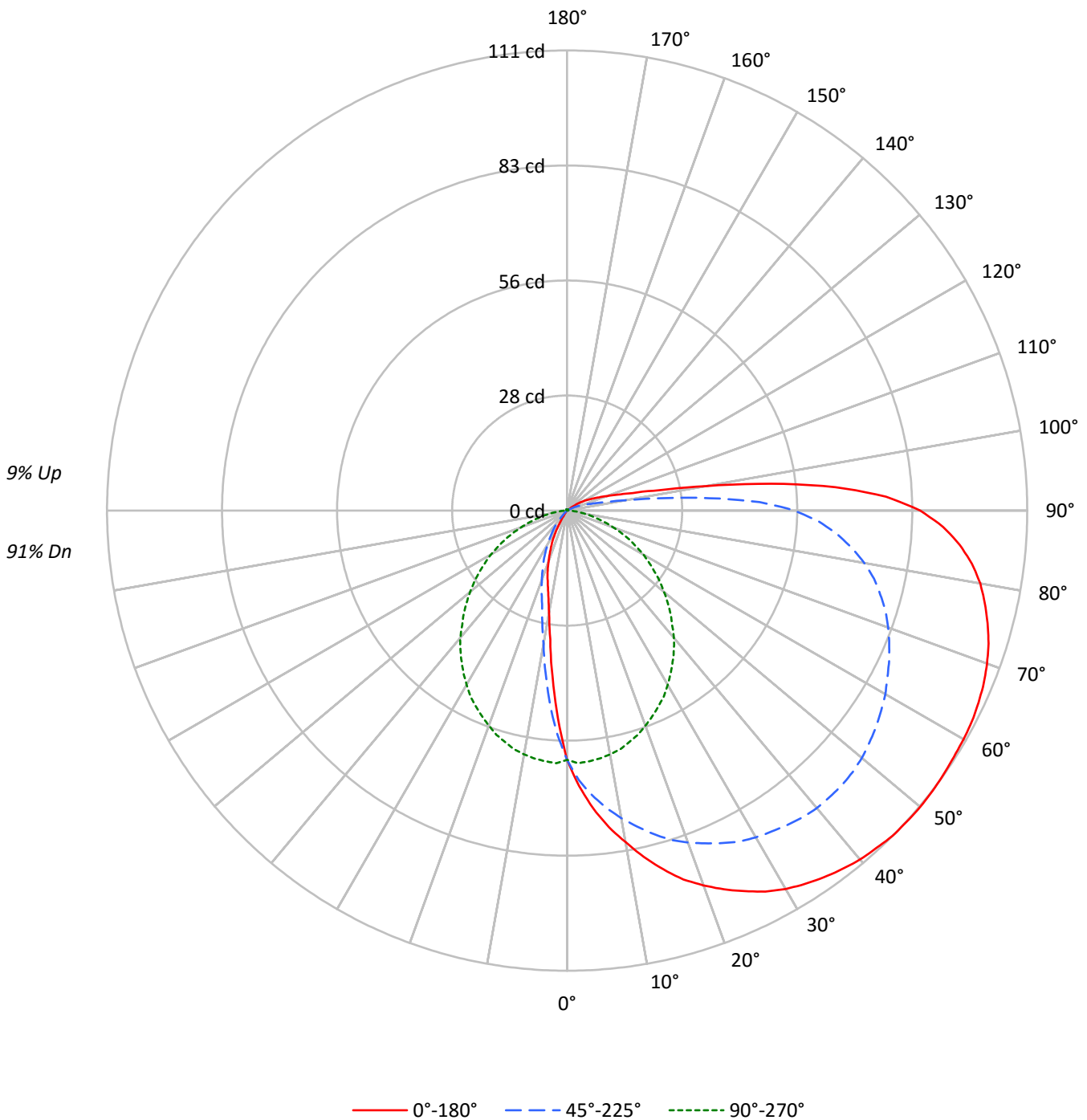
Lumens per Lamp: N/A  
Luminaire Lumens: 280.0 lumens  
Efficiency: N/A  
Efficacy: 37.3 lumens/watt  
Spacing Criteria (0/90/45): 1.39 / 1.2 / 1.52  
Luminous Opening: Rectangular (W 2.92' x L: 0.06' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.5  
Input Voltage (V): 120  
Input Current (Ain): 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



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CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

### Luminous Intensity Polar Plot





TEST NUMBER: P273343

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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   | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 100 | 100 | 100 | 94 | 94 | 94 | 91 |
| 1   | 102 | 95  | 88  | 83  | 98  | 91  | 86  | 81  | 85  | 81  | 76  | 80  | 76  | 72  | 75 | 71 | 69 | 66 |
| 2   | 90  | 80  | 71  | 64  | 87  | 77  | 69  | 62  | 72  | 65  | 59  | 67  | 61  | 56  | 63 | 58 | 54 | 51 |
| 3   | 81  | 68  | 59  | 51  | 78  | 66  | 57  | 50  | 62  | 54  | 47  | 58  | 51  | 45  | 54 | 48 | 44 | 41 |
| 4   | 74  | 60  | 49  | 42  | 71  | 58  | 48  | 41  | 54  | 46  | 39  | 50  | 43  | 38  | 47 | 41 | 36 | 33 |
| 5   | 67  | 53  | 43  | 35  | 65  | 51  | 42  | 34  | 48  | 40  | 33  | 45  | 38  | 32  | 42 | 36 | 31 | 28 |
| 6   | 62  | 47  | 37  | 30  | 59  | 46  | 36  | 30  | 43  | 35  | 29  | 40  | 33  | 28  | 38 | 31 | 27 | 24 |
| 7   | 57  | 42  | 33  | 26  | 55  | 41  | 32  | 26  | 39  | 31  | 25  | 36  | 29  | 24  | 34 | 28 | 23 | 21 |
| 8   | 53  | 39  | 29  | 23  | 51  | 37  | 29  | 23  | 35  | 28  | 22  | 33  | 26  | 21  | 31 | 25 | 21 | 18 |
| 9   | 50  | 35  | 26  | 20  | 48  | 34  | 26  | 20  | 32  | 25  | 20  | 31  | 24  | 19  | 29 | 23 | 18 | 16 |
| 10  | 46  | 32  | 24  | 18  | 45  | 32  | 24  | 18  | 30  | 23  | 18  | 28  | 22  | 17  | 27 | 21 | 17 | 15 |

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

|     | 0°    | 90°  | 180° |
|-----|-------|------|------|
| 0°  | 3549  | 3549 | 3549 |
| 5°  | 4274  | 3598 | 2395 |
| 10° | 4869  | 3580 | 1499 |
| 15° | 5477  | 3533 | 1100 |
| 20° | 6045  | 3469 | 829  |
| 25° | 6600  | 3394 | 567  |
| 30° | 7186  | 3307 | 293  |
| 35° | 7785  | 3201 | 65   |
| 40° | 8471  | 3091 | 8    |
| 45° | 9269  | 2948 | 0    |
| 50° | 10215 | 2802 | 0    |
| 55° | 11417 | 2656 | 0    |
| 60° | 13038 | 2504 | 0    |
| 65° | 15299 | 2305 | 14   |
| 70° | 18611 | 2037 | 0    |
| 75° | 23955 | 1757 | 0    |
| 80° | 34412 | 1428 | 34   |
| 85° | 64430 | 1084 | 0    |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.5    | 1.9       |
| 10°-20°   | 15.2   | 5.4       |
| 20°-30°   | 23.7   | 8.5       |
| 30°-40°   | 30.5   | 10.9      |
| 40°-50°   | 35.5   | 12.7      |
| 50°-60°   | 38.3   | 13.7      |
| 60°-70°   | 38.7   | 13.8      |
| 70°-80°   | 36.5   | 13.0      |
| 80°-90°   | 31.4   | 11.2      |
| 90°-100°  | 18.2   | 6.5       |
| 100°-110° | 4.5    | 1.6       |
| 110°-120° | 1.5    | 0.5       |
| 120°-130° | 0.4    | 0.1       |
| 130°-140° | 0.2    | 0.1       |
| 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°    | 44.4   | 15.9      |
| 0°-40°    | 74.9   | 26.8      |
| 0°-60°    | 148.7  | 53.1      |
| 0°-90°    | 255.3  | 91.2      |
| 90°-120°  | 24.2   | 8.6       |
| 90°-150°  | 24.7   | 8.8       |
| 90°-180°  | 25.0   | 8.9       |
| 0°-180°   | 280.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0°   | 60  | 60  | 60  | 60   | 60   |      |
| 5°   | 72  | 69  | 61  | 47   | 40   | 7    |
| 15°  | 90  | 81  | 58  | 23   | 18   | 26   |
| 25°  | 101 | 88  | 52  | 13   | 9    | 47   |
| 35°  | 108 | 93  | 44  | 6    | 1    | 68   |
| 45°  | 111 | 94  | 35  | 1    | 0    | 86   |
| 55°  | 111 | 91  | 26  | 0    | 0    | 99   |
| 65°  | 110 | 86  | 16  | 0    | 0    | 109  |
| 75°  | 105 | 78  | 8   | 0    | 0    | 111  |
| 85°  | 95  | 65  | 2   | 0    | 0    | 79   |
| 90°  | 85  | 55  | 0   | 0    | 0    | 46   |
| 95°  | 65  | 34  | 0   | 0    | 0    | 46   |
| 105° | 16  | 7   | 0   | 0    | 0    | 20   |
| 115° | 7   | 2   | 0   | 0    | 0    | 7    |
| 125° | 2   | 0   | 0   | 0    | 0    | 2    |
| 135° | 0   | 0   | 0   | 0    | 0    | 0    |
| 145° | 0   | 0   | 0   | 0    | 0    | 0    |
| 155° | 0   | 0   | 0   | 0    | 0    | 0    |
| 165° | 0   | 0   | 0   | 0    | 0    | 0    |
| 175° | 0   | 0   | 0   | 0    | 0    | 0    |
| 180° | 0   | 0   | 0   | 0    | 0    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°  | 45°  | 50°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0°     | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1 | 60.1 | 60.1 |
| 2.5°   | 66.5  | 66.1  | 66.2  | 66.2  | 65.8  | 65.7  | 65.6  | 65.2  | 65.1 | 65.1 | 64.4 |
| 5°     | 72.1  | 71.8  | 71.7  | 71.6  | 70.9  | 70.6  | 70.3  | 69.7  | 69.3 | 68.9 | 68.0 |
| 7.5°   | 77.0  | 76.6  | 76.5  | 76.2  | 75.5  | 75.0  | 74.4  | 73.7  | 73.0 | 72.3 | 71.0 |
| 10°    | 81.2  | 80.9  | 80.6  | 80.2  | 79.5  | 78.9  | 78.1  | 77.2  | 76.5 | 75.3 | 73.8 |
| 12.5°  | 85.6  | 85.2  | 84.9  | 84.3  | 83.7  | 82.8  | 81.8  | 80.6  | 79.6 | 78.1 | 76.3 |
| 15°    | 89.6  | 89.2  | 88.8  | 88.1  | 87.4  | 86.3  | 85.1  | 83.7  | 82.6 | 80.8 | 78.5 |
| 17.5°  | 93.3  | 92.9  | 92.5  | 91.8  | 90.9  | 89.6  | 88.2  | 86.6  | 85.1 | 83.3 | 80.8 |
| 20°    | 96.2  | 95.8  | 95.4  | 94.8  | 93.7  | 92.4  | 90.9  | 89.0  | 87.4 | 85.2 | 82.5 |
| 22.5°  | 98.9  | 98.4  | 98.0  | 97.3  | 96.1  | 94.8  | 93.1  | 91.2  | 89.4 | 86.9 | 84.0 |
| 25°    | 101.3 | 100.8 | 100.4 | 99.7  | 98.5  | 96.9  | 95.3  | 93.2  | 91.2 | 88.5 | 85.4 |
| 27.5°  | 103.6 | 103.1 | 102.7 | 101.8 | 100.6 | 99.0  | 97.3  | 95.0  | 92.7 | 90.0 | 86.5 |
| 30°    | 105.4 | 105.0 | 104.5 | 103.7 | 102.4 | 100.8 | 98.9  | 96.5  | 94.0 | 91.0 | 87.4 |
| 32.5°  | 106.8 | 106.5 | 106.1 | 105.2 | 103.9 | 102.2 | 100.1 | 97.7  | 95.0 | 91.8 | 88.2 |
| 35°    | 108.0 | 107.9 | 107.4 | 106.4 | 105.2 | 103.4 | 101.2 | 98.8  | 95.9 | 92.6 | 88.7 |
| 37.5°  | 109.0 | 108.9 | 108.5 | 107.4 | 106.2 | 104.5 | 102.1 | 99.7  | 96.6 | 93.3 | 89.2 |
| 40°    | 109.9 | 109.8 | 109.3 | 108.2 | 107.1 | 105.3 | 102.9 | 100.4 | 97.2 | 93.7 | 89.4 |
| 42.5°  | 110.4 | 110.4 | 109.9 | 108.8 | 107.6 | 105.7 | 103.4 | 100.6 | 97.6 | 93.7 | 89.4 |
| 45°    | 111.0 | 110.9 | 110.3 | 109.2 | 108.0 | 106.1 | 103.8 | 100.9 | 97.7 | 93.7 | 89.3 |
| 47.5°  | 111.1 | 111.0 | 110.4 | 109.3 | 108.0 | 106.1 | 103.8 | 100.8 | 97.4 | 93.4 | 88.8 |
| 50°    | 111.2 | 111.1 | 110.4 | 109.4 | 107.9 | 106.1 | 103.6 | 100.6 | 97.1 | 92.8 | 88.0 |
| 52.5°  | 111.1 | 110.9 | 110.2 | 109.1 | 107.7 | 105.8 | 103.2 | 100.2 | 96.4 | 91.9 | 86.9 |
| 55°    | 110.9 | 110.6 | 110.0 | 108.8 | 107.4 | 105.3 | 102.8 | 99.6  | 95.6 | 91.0 | 85.7 |
| 57.5°  | 110.6 | 110.3 | 109.6 | 108.5 | 106.9 | 104.9 | 102.2 | 98.8  | 94.7 | 89.8 | 84.3 |
| 60°    | 110.4 | 110.1 | 109.3 | 108.1 | 106.5 | 104.3 | 101.6 | 98.0  | 93.7 | 88.6 | 82.8 |
| 62.5°  | 110.1 | 109.7 | 108.9 | 107.7 | 106.0 | 103.8 | 100.8 | 97.0  | 92.6 | 87.1 | 81.0 |
| 65°    | 109.5 | 109.2 | 108.4 | 107.2 | 105.3 | 103.1 | 100.0 | 96.2  | 91.4 | 85.7 | 79.0 |
| 67.5°  | 108.8 | 108.5 | 107.5 | 106.3 | 104.3 | 102.1 | 98.9  | 94.9  | 90.2 | 84.1 | 76.9 |
| 70°    | 107.8 | 107.6 | 106.6 | 105.3 | 103.4 | 100.9 | 97.8  | 93.7  | 88.7 | 82.4 | 74.8 |
| 72.5°  | 106.6 | 106.4 | 105.4 | 104.0 | 102.2 | 99.5  | 96.4  | 92.4  | 87.0 | 80.5 | 72.5 |
| 75°    | 105.0 | 104.8 | 103.8 | 102.5 | 100.5 | 98.0  | 94.6  | 90.5  | 85.2 | 78.2 | 69.8 |
| 77.5°  | 103.2 | 103.0 | 102.1 | 100.6 | 98.5  | 96.0  | 92.6  | 88.3  | 82.9 | 75.8 | 67.2 |
| 80°    | 101.2 | 100.9 | 100.0 | 98.5  | 96.3  | 93.6  | 90.2  | 85.7  | 80.0 | 72.8 | 64.3 |
| 82.5°  | 98.5  | 98.2  | 97.4  | 95.8  | 93.7  | 90.9  | 87.4  | 82.8  | 76.9 | 69.3 | 61.0 |
| 85°    | 95.1  | 94.9  | 94.1  | 92.6  | 90.4  | 87.6  | 84.0  | 79.4  | 73.0 | 65.4 | 57.7 |
| 87.5°  | 90.8  | 90.8  | 89.8  | 88.2  | 86.1  | 83.2  | 79.5  | 74.6  | 68.2 | 60.8 | 53.2 |
| 90°    | 85.2  | 85.0  | 83.8  | 82.4  | 80.1  | 77.0  | 73.4  | 68.6  | 61.8 | 54.8 | 47.6 |
| 92.5°  | 77.0  | 77.0  | 75.7  | 74.2  | 71.8  | 68.5  | 65.0  | 60.3  | 53.0 | 46.5 | 39.5 |
| 95°    | 65.0  | 65.3  | 64.1  | 62.1  | 59.6  | 56.5  | 52.5  | 47.8  | 40.7 | 34.4 | 28.7 |
| 97.5°  | 49.6  | 49.5  | 48.4  | 45.8  | 44.0  | 40.2  | 37.0  | 32.6  | 27.4 | 22.6 | 18.3 |
| 100°   | 33.9  | 34.1  | 33.1  | 31.5  | 29.4  | 26.5  | 24.1  | 20.7  | 17.3 | 14.1 | 11.3 |
| 102.5° | 22.6  | 22.8  | 21.8  | 21.0  | 19.5  | 17.8  | 15.8  | 13.9  | 11.4 | 9.3  | 7.5  |
| 105°   | 16.3  | 16.4  | 15.9  | 14.9  | 13.8  | 12.8  | 11.3  | 9.8   | 8.2  | 6.6  | 5.3  |
| 107.5° | 12.7  | 12.7  | 12.3  | 11.5  | 10.8  | 9.8   | 8.7   | 7.5   | 6.1  | 4.9  | 3.7  |
| 110°   | 10.2  | 10.2  | 9.8   | 9.3   | 8.6   | 7.8   | 6.9   | 5.8   | 4.7  | 3.7  | 2.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 8.3 | 8.3 | 8.1 | 7.5 | 6.9 | 6.3 | 5.4 | 4.6 | 3.6 | 2.7 | 2.0 |
| 115°   | 6.9 | 6.8 | 6.6 | 6.1 | 5.6 | 5.0 | 4.3 | 3.5 | 2.7 | 1.9 | 0.9 |
| 117.5° | 5.6 | 5.6 | 5.3 | 5.0 | 4.5 | 4.0 | 3.3 | 2.7 | 1.8 | 0.6 | 0.3 |
| 120°   | 4.5 | 4.5 | 4.3 | 3.9 | 3.5 | 3.0 | 2.3 | 1.5 | 0.4 | 0.3 | 0.2 |
| 122.5° | 3.5 | 3.5 | 3.3 | 2.9 | 2.3 | 1.7 | 0.9 | 0.3 | 0.2 | 0.3 | 0.2 |
| 125°   | 1.9 | 1.9 | 1.6 | 1.2 | 0.6 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 127.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 130°   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 132.5° | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 135°   | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 137.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 140°   | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 2.5°   | 64.2 | 63.7 | 63.4 | 62.9 | 62.5 | 62.0 | 61.6 | 61.0 | 60.2 | 59.2 | 58.5 |
| 5°     | 67.4 | 66.5 | 65.8 | 64.9 | 64.0 | 63.0 | 61.9 | 60.7 | 59.2 | 57.6 | 56.1 |
| 7.5°   | 70.1 | 69.0 | 67.9 | 66.5 | 65.2 | 63.8 | 62.2 | 60.3 | 58.2 | 55.8 | 53.5 |
| 10°    | 72.5 | 71.1 | 69.6 | 67.8 | 66.1 | 64.3 | 62.2 | 59.7 | 57.0 | 53.8 | 50.6 |
| 12.5°  | 74.8 | 73.0 | 71.0 | 68.9 | 66.8 | 64.6 | 62.0 | 59.0 | 55.5 | 51.6 | 47.5 |
| 15°    | 76.5 | 74.4 | 72.2 | 69.6 | 67.0 | 64.4 | 61.4 | 57.8 | 53.7 | 49.0 | 43.9 |
| 17.5°  | 78.4 | 75.8 | 73.2 | 70.2 | 67.2 | 64.2 | 60.8 | 56.7 | 51.9 | 46.3 | 40.5 |
| 20°    | 79.7 | 76.9 | 74.0 | 70.6 | 67.2 | 63.8 | 60.0 | 55.2 | 49.8 | 43.6 | 36.9 |
| 22.5°  | 80.9 | 77.8 | 74.4 | 70.9 | 67.0 | 63.2 | 58.9 | 53.7 | 47.7 | 40.6 | 33.5 |
| 25°    | 82.0 | 78.4 | 74.8 | 70.8 | 66.5 | 62.4 | 57.8 | 52.1 | 45.4 | 37.7 | 30.3 |
| 27.5°  | 83.0 | 78.9 | 74.9 | 70.6 | 66.0 | 61.5 | 56.5 | 50.5 | 43.1 | 34.9 | 27.2 |
| 30°    | 83.7 | 79.3 | 74.9 | 70.1 | 65.2 | 60.3 | 55.0 | 48.5 | 40.6 | 31.9 | 24.3 |
| 32.5°  | 84.0 | 79.5 | 74.8 | 69.6 | 64.2 | 59.0 | 53.3 | 46.5 | 38.2 | 29.1 | 21.7 |
| 35°    | 84.4 | 79.6 | 74.5 | 68.9 | 63.2 | 57.6 | 51.4 | 44.4 | 35.7 | 26.5 | 19.4 |
| 37.5°  | 84.5 | 79.3 | 74.1 | 68.3 | 62.1 | 56.1 | 49.7 | 42.3 | 33.2 | 23.9 | 17.3 |
| 40°    | 84.5 | 79.0 | 73.4 | 67.4 | 60.8 | 54.5 | 47.7 | 40.1 | 30.7 | 21.5 | 15.4 |
| 42.5°  | 84.3 | 78.5 | 72.8 | 66.2 | 59.2 | 52.5 | 45.5 | 37.5 | 28.1 | 19.2 | 13.6 |
| 45°    | 83.9 | 78.0 | 71.7 | 64.9 | 57.6 | 50.4 | 43.2 | 35.3 | 25.9 | 17.1 | 12.1 |
| 47.5°  | 83.2 | 77.0 | 70.4 | 63.3 | 55.6 | 48.1 | 40.8 | 32.9 | 23.5 | 15.3 | 10.6 |
| 50°    | 82.4 | 75.9 | 69.0 | 61.3 | 53.3 | 45.8 | 38.6 | 30.5 | 21.3 | 13.7 | 9.2  |
| 52.5°  | 81.2 | 74.4 | 67.1 | 59.2 | 51.0 | 43.5 | 36.1 | 28.2 | 19.2 | 11.9 | 7.9  |
| 55°    | 79.8 | 72.7 | 65.1 | 56.9 | 48.8 | 41.0 | 33.5 | 25.8 | 17.2 | 10.3 | 6.6  |
| 57.5°  | 78.0 | 70.6 | 62.7 | 54.5 | 46.3 | 38.5 | 31.1 | 23.5 | 15.1 | 9.0  | 5.4  |
| 60°    | 76.1 | 68.4 | 60.2 | 52.2 | 43.8 | 35.9 | 28.6 | 21.2 | 13.3 | 7.6  | 4.3  |
| 62.5°  | 73.8 | 65.8 | 57.8 | 49.6 | 41.1 | 33.2 | 25.9 | 18.7 | 11.5 | 6.3  | 3.3  |
| 65°    | 71.4 | 63.2 | 55.2 | 47.0 | 38.3 | 30.5 | 23.3 | 16.5 | 9.8  | 5.0  | 2.3  |
| 67.5°  | 68.7 | 60.5 | 52.3 | 44.0 | 35.4 | 27.5 | 20.5 | 14.1 | 8.1  | 3.8  | 1.4  |
| 70°    | 66.2 | 57.7 | 49.4 | 41.0 | 32.4 | 24.5 | 17.8 | 11.8 | 6.3  | 2.6  | 0.7  |
| 72.5°  | 63.8 | 55.1 | 46.5 | 37.8 | 29.3 | 21.5 | 15.2 | 9.7  | 4.9  | 1.7  | 0.4  |
| 75°    | 61.3 | 52.5 | 43.7 | 34.7 | 26.0 | 18.7 | 12.6 | 7.7  | 3.4  | 0.9  | 0.3  |
| 77.5°  | 58.6 | 49.8 | 40.7 | 31.6 | 22.9 | 15.8 | 10.2 | 5.8  | 2.3  | 0.5  | 0.3  |
| 80°    | 55.9 | 47.0 | 37.8 | 28.6 | 20.1 | 13.3 | 7.9  | 4.2  | 1.4  | 0.3  | 0.2  |
| 82.5°  | 53.0 | 44.1 | 34.8 | 25.7 | 17.4 | 10.8 | 6.0  | 2.8  | 0.6  | 0.2  | 0.2  |
| 85°    | 49.6 | 40.9 | 31.8 | 23.0 | 14.9 | 8.6  | 4.4  | 1.6  | 0.3  | 0.2  | 0.2  |
| 87.5°  | 45.6 | 37.1 | 28.3 | 19.9 | 12.5 | 6.9  | 3.0  | 0.9  | 0.3  | 0.3  | 0.3  |
| 90°    | 40.1 | 32.1 | 23.9 | 16.2 | 9.7  | 4.9  | 1.8  | 0.3  | 0.3  | 0.3  | 0.2  |
| 92.5°  | 32.7 | 25.3 | 18.1 | 11.8 | 6.6  | 2.9  | 0.8  | 0.3  | 0.3  | 0.3  | 0.2  |
| 95°    | 23.0 | 17.0 | 11.7 | 7.3  | 3.6  | 1.1  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  |
| 97.5°  | 14.1 | 10.2 | 6.8  | 3.8  | 1.7  | 0.3  | 0.2  | 0.3  | 0.3  | 0.2  | 0.2  |
| 100°   | 8.6  | 6.1  | 3.9  | 2.0  | 0.8  | 0.3  | 0.2  | 0.3  | 0.3  | 0.2  | 0.3  |
| 102.5° | 5.6  | 3.8  | 2.3  | 1.1  | 0.2  | 0.2  | 0.2  | 0.3  | 0.3  | 0.2  | 0.3  |
| 105°   | 3.8  | 2.5  | 1.4  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.3  |
| 107.5° | 2.6  | 1.6  | 0.5  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 110°   | 1.8  | 0.7  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |





TEST NUMBER: P273343

CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.9 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2  | 0.2  |
| 115°   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 117.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 120°   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 122.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 125°   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 127.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 130°   | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3  | 0.3  |
| 132.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | 0.2  |
| 135°   | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3  | 0.3  |
| 137.5° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3  | 0.3  |
| 140°   | 0.2 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3  | 0.3  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |



TEST NUMBER: P273343

CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 2.5°   | 57.8 | 57.0 | 56.3 | 55.4 | 54.5 | 54.0 | 53.3 | 52.5 | 52.2 | 51.6 | 51.1 |
| 5°     | 54.7 | 53.1 | 51.6 | 50.0 | 48.3 | 47.0 | 45.9 | 44.6 | 43.6 | 42.6 | 42.2 |
| 7.5°   | 51.2 | 48.8 | 46.4 | 43.9 | 41.5 | 39.7 | 38.1 | 36.3 | 35.0 | 34.2 | 33.3 |
| 10°    | 47.3 | 44.1 | 40.7 | 37.8 | 35.0 | 32.8 | 31.1 | 29.4 | 28.1 | 27.0 | 26.5 |
| 12.5°  | 43.3 | 39.4 | 35.5 | 32.2 | 29.7 | 27.6 | 25.8 | 24.6 | 23.6 | 22.8 | 22.1 |
| 15°    | 39.0 | 34.4 | 30.6 | 27.4 | 25.0 | 23.3 | 21.9 | 20.9 | 20.2 | 19.5 | 19.0 |
| 17.5°  | 35.0 | 30.4 | 26.3 | 23.8 | 21.9 | 20.4 | 19.2 | 18.2 | 17.5 | 16.9 | 16.5 |
| 20°    | 31.1 | 26.6 | 23.2 | 20.9 | 19.2 | 17.8 | 16.7 | 15.8 | 15.1 | 14.5 | 14.0 |
| 22.5°  | 27.6 | 23.4 | 20.4 | 18.3 | 16.7 | 15.5 | 14.3 | 13.4 | 12.8 | 12.2 | 11.6 |
| 25°    | 24.5 | 20.7 | 17.9 | 16.0 | 14.7 | 13.4 | 12.3 | 11.3 | 10.6 | 9.9  | 9.4  |
| 27.5°  | 21.8 | 18.3 | 15.8 | 14.1 | 12.7 | 11.4 | 10.2 | 9.4  | 8.5  | 7.8  | 7.3  |
| 30°    | 19.4 | 16.2 | 14.0 | 12.2 | 10.8 | 9.4  | 8.3  | 7.3  | 6.6  | 5.9  | 5.3  |
| 32.5°  | 17.2 | 14.3 | 12.2 | 10.5 | 9.0  | 7.7  | 6.6  | 5.7  | 4.8  | 4.1  | 3.4  |
| 35°    | 15.3 | 12.6 | 10.5 | 8.8  | 7.4  | 6.1  | 5.1  | 4.1  | 3.1  | 2.3  | 1.8  |
| 37.5°  | 13.5 | 11.0 | 9.0  | 7.3  | 5.9  | 4.7  | 3.5  | 2.5  | 1.7  | 1.1  | 0.8  |
| 40°    | 11.9 | 9.6  | 7.5  | 6.1  | 4.6  | 3.3  | 2.2  | 1.3  | 0.7  | 0.3  | 0.2  |
| 42.5°  | 10.4 | 8.1  | 6.2  | 4.7  | 3.3  | 2.0  | 1.1  | 0.5  | 0.2  | 0.1  | 0.1  |
| 45°    | 9.0  | 6.9  | 5.1  | 3.5  | 2.2  | 1.0  | 0.4  | 0.3  | 0.2  | 0.1  | 0.1  |
| 47.5°  | 7.7  | 5.7  | 3.9  | 2.3  | 1.1  | 0.4  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 50°    | 6.5  | 4.5  | 2.9  | 1.4  | 0.5  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 52.5°  | 5.3  | 3.4  | 1.7  | 0.6  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 55°    | 4.2  | 2.3  | 0.9  | 0.3  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 57.5°  | 3.3  | 1.4  | 0.4  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 60°    | 2.3  | 0.8  | 0.3  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 62.5°  | 1.4  | 0.4  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 65°    | 0.8  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 67.5°  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 70°    | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 72.5°  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 75°    | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 77.5°  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 80°    | 0.2  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.2  | 0.1  | 0.1  |
| 82.5°  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 85°    | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 87.5°  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.1  |
| 90°    | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.1  | 0.1  | 0.1  |
| 92.5°  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 95°    | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  |
| 97.5°  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 100°   | 0.2  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 102.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  |
| 105°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 107.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.2  | 0.1  | 0.1  |
| 110°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |



TEST NUMBER: P273343

CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 115°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 117.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 120°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 122.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.2  | 0.1  | 0.1  |
| 125°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 127.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.1  | 0.1  | 0.1  |
| 130°   | 0.2  | 0.2  | 0.2  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.2  | 0.1  |
| 132.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 135°   | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  |
| 137.5° | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 140°   | 0.3  | 0.3  | 0.2  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P273343

CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|
| 0°     | 60.1 | 60.1 | 60.1 | 60.1 |
| 2.5°   | 50.8 | 51.0 | 50.8 | 50.3 |
| 5°     | 41.4 | 41.4 | 41.0 | 40.4 |
| 7.5°   | 32.4 | 32.3 | 31.8 | 31.3 |
| 10°    | 25.9 | 25.7 | 25.3 | 25.0 |
| 12.5°  | 21.5 | 21.3 | 21.3 | 20.9 |
| 15°    | 18.5 | 18.2 | 18.2 | 18.0 |
| 17.5°  | 16.1 | 15.9 | 15.8 | 15.7 |
| 20°    | 13.7 | 13.5 | 13.3 | 13.2 |
| 22.5°  | 11.3 | 11.1 | 10.9 | 10.7 |
| 25°    | 9.0  | 8.8  | 8.6  | 8.7  |
| 27.5°  | 7.0  | 6.7  | 6.3  | 6.5  |
| 30°    | 4.8  | 4.6  | 4.3  | 4.3  |
| 32.5°  | 2.9  | 2.5  | 2.3  | 2.2  |
| 35°    | 1.3  | 1.1  | 0.9  | 0.9  |
| 37.5°  | 0.5  | 0.3  | 0.2  | 0.2  |
| 40°    | 0.2  | 0.1  | 0.1  | 0.1  |
| 42.5°  | 0.1  | 0.1  | 0.0  | 0.0  |
| 45°    | 0.1  | 0.1  | 0.1  | 0.0  |
| 47.5°  | 0.1  | 0.1  | 0.0  | 0.0  |
| 50°    | 0.1  | 0.1  | 0.0  | 0.0  |
| 52.5°  | 0.0  | 0.0  | 0.0  | 0.0  |
| 55°    | 0.1  | 0.0  | 0.0  | 0.0  |
| 57.5°  | 0.0  | 0.0  | 0.0  | 0.0  |
| 60°    | 0.1  | 0.0  | 0.0  | 0.0  |
| 62.5°  | 0.1  | 0.0  | 0.0  | 0.0  |
| 65°    | 0.1  | 0.1  | 0.0  | 0.1  |
| 67.5°  | 0.1  | 0.1  | 0.0  | 0.0  |
| 70°    | 0.1  | 0.0  | 0.0  | 0.0  |
| 72.5°  | 0.1  | 0.1  | 0.0  | 0.0  |
| 75°    | 0.1  | 0.1  | 0.0  | 0.0  |
| 77.5°  | 0.1  | 0.1  | 0.1  | 0.0  |
| 80°    | 0.1  | 0.1  | 0.1  | 0.1  |
| 82.5°  | 0.1  | 0.1  | 0.1  | 0.0  |
| 85°    | 0.1  | 0.1  | 0.1  | 0.0  |
| 87.5°  | 0.2  | 0.1  | 0.1  | 0.1  |
| 90°    | 0.1  | 0.1  | 0.1  | 0.0  |
| 92.5°  | 0.1  | 0.1  | 0.1  | 0.1  |
| 95°    | 0.1  | 0.1  | 0.1  | 0.1  |
| 97.5°  | 0.1  | 0.1  | 0.1  | 0.1  |
| 100°   | 0.1  | 0.1  | 0.1  | 0.1  |
| 102.5° | 0.1  | 0.1  | 0.1  | 0.1  |
| 105°   | 0.1  | 0.1  | 0.1  | 0.1  |
| 107.5° | 0.1  | 0.1  | 0.1  | 0.1  |
| 110°   | 0.1  | 0.1  | 0.1  | 0.1  |



TEST NUMBER: P273343

CATALOG NUMBER: 0.03-1W-835-90-ID-STD-UNV-AN-3F0

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|
| 112.5° | 0.1  | 0.1  | 0.1  | 0.0  |
| 115°   | 0.1  | 0.1  | 0.0  | 0.1  |
| 117.5° | 0.1  | 0.1  | 0.0  | 0.0  |
| 120°   | 0.1  | 0.1  | 0.1  | 0.0  |
| 122.5° | 0.1  | 0.1  | 0.1  | 0.0  |
| 125°   | 0.1  | 0.1  | 0.0  | 0.1  |
| 127.5° | 0.1  | 0.1  | 0.1  | 0.1  |
| 130°   | 0.1  | 0.1  | 0.1  | 0.1  |
| 132.5° | 0.1  | 0.1  | 0.1  | 0.0  |
| 135°   | 0.1  | 0.1  | 0.1  | 0.1  |
| 137.5° | 0.2  | 0.2  | 0.1  | 0.1  |
| 140°   | 0.1  | 0.1  | 0.1  | 0.1  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)