

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1344406

Luminaire Tested: P3A13R259030D2WDE010 E3A301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R259030D2WDE010 E3A301MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
E3A301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

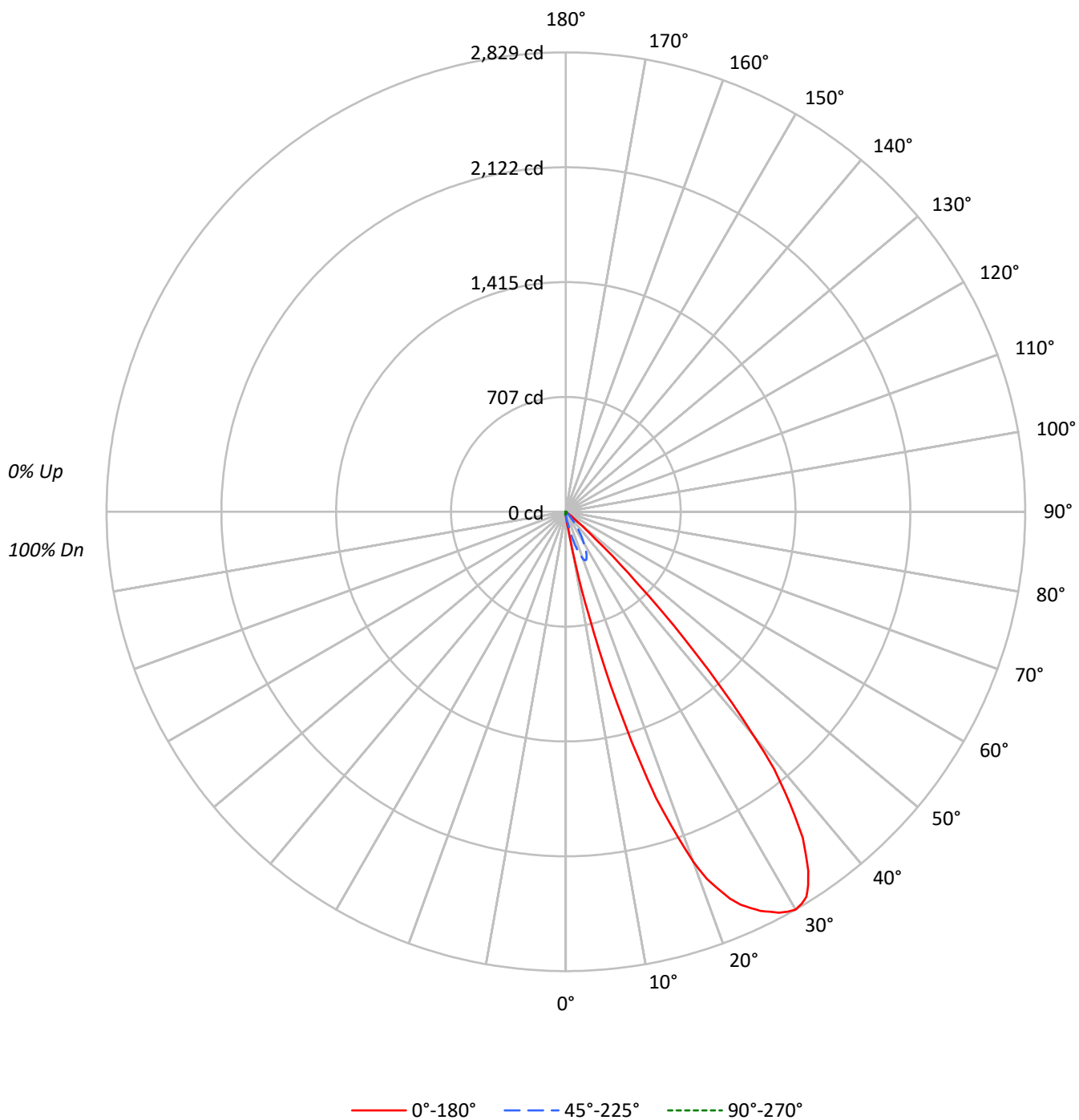
Lumens per Lamp: N/A  
Luminaire Lumens: 566.0 lumens  
Efficiency: N/A  
Efficacy: 28.2 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.1  
Input Voltage (V): NR  
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: 24 FT

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### Luminous Intensity Polar Plot



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**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  | 30  | 10  | 50  | 30 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 55  |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5329   | 5329  | 5329 | 5329 | 5329 |
| 5°  | 13361  | 9883  | 4997 | 2553 | 1981 |
| 10° | 58449  | 16811 | 4119 | 1180 | 824  |
| 15° | 277890 | 45312 | 2883 | 477  | 363  |
| 20° | 534940 | 72573 | 1843 | 117  | 117  |
| 25° | 651497 | 73214 | 1016 | 0    | 0    |
| 30° | 716313 | 56034 | 405  | 0    | 0    |
| 35° | 690271 | 35630 | 134  | 0    | 0    |
| 40° | 515766 | 15429 | 0    | 0    | 143  |
| 45° | 190935 | 4093  | 155  | 155  | 496  |
| 50° | 22515  | 546   | 375  | 375  | 716  |
| 55° | 2217   | 0     | 421  | 612  | 994  |
| 60° | 219    | 0     | 702  | 921  | 1140 |
| 65° | 259    | 259   | 1090 | 1349 | 1660 |
| 70° | 321    | 321   | 1346 | 1346 | 2052 |
| 75° | 424    | 424   | 1356 | 1356 | 1779 |
| 80° | 0      | 631   | 2020 | 1389 | 2020 |
| 85° | 0      | 1258  | 4026 | 1258 | 1258 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 190935 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.5    | 0.6       |
| 10°-20°   | 66.0   | 11.7      |
| 20°-30°   | 207.1  | 36.6      |
| 30°-40°   | 218.0  | 38.5      |
| 40°-50°   | 64.1   | 11.3      |
| 50°-60°   | 3.4    | 0.6       |
| 60°-70°   | 1.7    | 0.3       |
| 70°-80°   | 1.4    | 0.3       |
| 80°-90°   | 0.8    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 276.6  | 48.9      |
| 0°-40°    | 494.7  | 87.4      |
| 0°-60°    | 562.2  | 99.3      |
| 0°-90°    | 566.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 566.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 24   | 24  | 24  | 24   | 24   |      |
| 5°  | 61   | 45  | 23  | 12   | 9    | 11   |
| 15° | 1224 | 200 | 13  | 2    | 2    | 386  |
| 25° | 2693 | 303 | 4   | 0    | 0    | 1235 |
| 35° | 2579 | 133 | 0   | 0    | 0    | 1556 |
| 45° | 616  | 13  | 0   | 0    | 2    | 560  |
| 55° | 6    | 0   | 1   | 2    | 3    | 15   |
| 65° | 0    | 0   | 2   | 3    | 3    | 0    |
| 75° | 0    | 0   | 2   | 2    | 2    | 0    |
| 85° | 0    | 0   | 2   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3  | 24.3  | 24.3 | 24.3   |
| 2.5°  | 37.5   | 38.0   | 36.4   | 37.5   | 36.4   | 35.9   | 35.4   | 32.7  | 28.5  | 24.3 | 20.1   |
| 5°    | 60.7   | 60.7   | 58.1   | 57.6   | 56.5   | 54.4   | 52.3   | 44.9  | 32.2  | 22.7 | 15.8   |
| 7.5°  | 95.1   | 94.5   | 93.5   | 90.8   | 85.5   | 80.3   | 75.0   | 58.6  | 35.4  | 21.1 | 12.1   |
| 10°   | 262.5  | 258.8  | 254.0  | 225.5  | 193.3  | 164.8  | 139.9  | 75.5  | 38.0  | 18.5 | 9.0    |
| 12.5° | 652.2  | 631.1  | 580.9  | 523.9  | 451.0  | 374.4  | 299.4  | 123.0 | 39.1  | 15.3 | 6.3    |
| 15°   | 1224.1 | 1180.3 | 1102.1 | 988.0  | 839.1  | 671.7  | 529.1  | 199.6 | 38.0  | 12.7 | 4.8    |
| 17.5° | 1848.3 | 1806.1 | 1697.8 | 1524.6 | 1305.4 | 1048.2 | 795.8  | 264.6 | 35.4  | 10.6 | 3.2    |
| 20°   | 2292.4 | 2247.5 | 2146.1 | 1962.4 | 1725.3 | 1382.5 | 1047.7 | 311.0 | 33.3  | 7.9  | 1.6    |
| 21°   | 2422.3 | 2377.4 | 2270.2 | 2092.8 | 1843.5 | 1499.8 | 1128.5 | 319.0 | 31.7  | 6.9  | 1.1    |
| 22°   | 2504.7 | 2478.3 | 2363.2 | 2191.0 | 1937.0 | 1593.8 | 1197.7 | 322.7 | 30.6  | 6.3  | 1.1    |
| 23°   | 2587.6 | 2548.0 | 2440.3 | 2258.6 | 2008.3 | 1663.5 | 1248.9 | 320.0 | 29.6  | 5.3  | 0.5    |
| 24°   | 2648.9 | 2615.6 | 2490.4 | 2310.9 | 2057.9 | 1706.2 | 1279.0 | 313.2 | 28.0  | 4.8  | 0.5    |
| 25°   | 2692.7 | 2662.1 | 2531.6 | 2346.3 | 2091.2 | 1729.5 | 1288.5 | 302.6 | 26.4  | 4.2  | 0.5    |
| 26°   | 2734.4 | 2701.2 | 2566.0 | 2366.9 | 2108.6 | 1736.9 | 1279.6 | 291.0 | 24.8  | 3.7  | 0.0    |
| 27°   | 2764.5 | 2730.7 | 2589.7 | 2379.0 | 2109.7 | 1727.9 | 1255.3 | 275.1 | 23.2  | 3.2  | 0.0    |
| 28°   | 2796.7 | 2757.7 | 2606.1 | 2385.9 | 2103.4 | 1706.8 | 1220.4 | 258.2 | 22.2  | 2.6  | 0.0    |
| 29°   | 2816.3 | 2779.3 | 2623.0 | 2393.3 | 2090.2 | 1671.4 | 1169.7 | 238.2 | 19.5  | 1.6  | 0.0    |
| 30°   | 2829.0 | 2785.1 | 2621.4 | 2385.4 | 2072.7 | 1633.4 | 1109.0 | 221.3 | 16.9  | 1.6  | 0.0    |
| 31°   | 2818.4 | 2772.4 | 2604.5 | 2363.2 | 2044.7 | 1583.7 | 1046.7 | 200.1 | 13.7  | 1.1  | 0.0    |
| 32°   | 2795.7 | 2741.3 | 2574.9 | 2324.6 | 1994.6 | 1519.8 | 982.2  | 182.7 | 10.0  | 1.1  | 0.0    |
| 33°   | 2740.2 | 2694.3 | 2521.6 | 2272.9 | 1929.1 | 1433.2 | 898.3  | 165.8 | 6.9   | 0.5  | 0.0    |
| 34°   | 2670.5 | 2624.6 | 2448.7 | 2203.7 | 1841.4 | 1321.3 | 796.4  | 148.4 | 5.8   | 0.5  | 0.0    |
| 35°   | 2578.6 | 2533.2 | 2366.3 | 2107.1 | 1725.3 | 1186.6 | 691.3  | 133.1 | 4.8   | 0.5  | 0.0    |
| 36°   | 2482.0 | 2421.8 | 2262.3 | 2004.1 | 1569.5 | 1033.5 | 578.8  | 115.7 | 3.7   | 0.5  | 0.0    |
| 37°   | 2339.9 | 2299.3 | 2122.4 | 1847.2 | 1401.0 | 886.7  | 496.9  | 99.8  | 2.6   | 0.5  | 0.0    |
| 38°   | 2192.6 | 2155.1 | 1982.4 | 1689.3 | 1213.0 | 741.4  | 416.1  | 84.5  | 2.1   | 0.0  | 0.0    |
| 39°   | 2040.5 | 1978.2 | 1807.6 | 1487.1 | 1016.0 | 621.0  | 350.1  | 70.8  | 1.1   | 0.0  | 0.0    |
| 40°   | 1801.8 | 1754.3 | 1572.1 | 1244.2 | 840.7  | 503.3  | 298.4  | 53.9  | 1.1   | 0.0  | 0.0    |
| 42.5° | 1194.5 | 1150.2 | 959.0  | 674.9  | 446.8  | 294.1  | 197.0  | 21.1  | 0.0   | 0.5  | 0.0    |
| 45°   | 615.7  | 587.8  | 477.4  | 353.3  | 253.5  | 180.6  | 126.7  | 13.2  | 0.0   | 0.5  | 0.5    |
| 47.5° | 244.5  | 239.8  | 216.5  | 186.9  | 144.2  | 107.2  | 69.2   | 5.8   | 0.0   | 0.5  | 0.5    |
| 50°   | 66.0   | 66.5   | 62.3   | 57.6   | 52.3   | 49.1   | 29.0   | 1.6   | 0.0   | 1.1  | 0.5    |
| 52.5° | 28.0   | 28.5   | 27.5   | 25.9   | 23.2   | 17.4   | 11.6   | 0.5   | 0.5   | 1.1  | 1.1    |
| 55°   | 5.8    | 6.3    | 6.9    | 7.4    | 8.4    | 7.4    | 4.8    | 0.0   | 0.5   | 1.1  | 1.1    |
| 57.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.6    | 1.6    | 1.1    | 0.0   | 0.5   | 1.1  | 1.6    |
| 60°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.0    | 0.0    | 0.0   | 1.1   | 1.6  | 1.6    |
| 62.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.1   | 1.6  | 2.1    |
| 65°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.1   | 2.1  | 2.1    |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.6   | 2.1  | 2.1    |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.6   | 2.1  | 2.1    |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.6   | 2.1  | 1.6    |
| 75°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 1.6   | 1.6  | 1.6    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5    | 0.5   | 1.1   | 1.6  | 1.6    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5    | 0.5   | 1.1   | 1.6  | 1.1    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1   | 1.6 | 1.1    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1   | 1.6 | 1.1    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1   | 1.6 | 1.1    |
| 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: P1344406

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 24.3 | 24.3   | 24.3 |
| 2.5°  | 16.9 | 15.3   | 14.8 |
| 5°    | 11.6 | 10.0   | 9.0  |
| 7.5°  | 7.9  | 6.3    | 5.8  |
| 10°   | 5.3  | 4.2    | 3.7  |
| 12.5° | 3.7  | 2.1    | 2.1  |
| 15°   | 2.1  | 1.6    | 1.6  |
| 17.5° | 1.1  | 0.5    | 0.5  |
| 20°   | 0.5  | 0.5    | 0.5  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.5  |
| 39°   | 0.0  | 0.5    | 0.5  |
| 40°   | 0.0  | 0.5    | 0.5  |
| 42.5° | 0.0  | 0.5    | 1.1  |
| 45°   | 0.5  | 1.1    | 1.6  |
| 47.5° | 1.1  | 1.6    | 2.1  |
| 50°   | 1.1  | 2.1    | 2.1  |
| 52.5° | 1.6  | 2.1    | 2.6  |
| 55°   | 1.6  | 2.6    | 2.6  |
| 57.5° | 2.1  | 2.6    | 3.2  |
| 60°   | 2.1  | 2.6    | 2.6  |
| 62.5° | 2.1  | 3.2    | 3.2  |
| 65°   | 2.6  | 3.2    | 3.2  |
| 67.5° | 2.6  | 3.2    | 3.2  |
| 70°   | 2.1  | 2.6    | 3.2  |
| 72.5° | 2.1  | 2.6    | 2.6  |
| 75°   | 1.6  | 2.1    | 2.1  |
| 77.5° | 1.6  | 1.6    | 2.1  |
| 80°   | 1.1  | 1.6    | 1.6  |

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.1  | 1.1    | 1.1  |
| 85°   | 0.5  | 0.5    | 0.5  |
| 87.5° | 0.5  | 0.5    | 0.5  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)