

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: P1337406

Luminaire Tested: P3A05R259730DE010 E3A451H

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R259730DE010 E3A451H  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A451H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

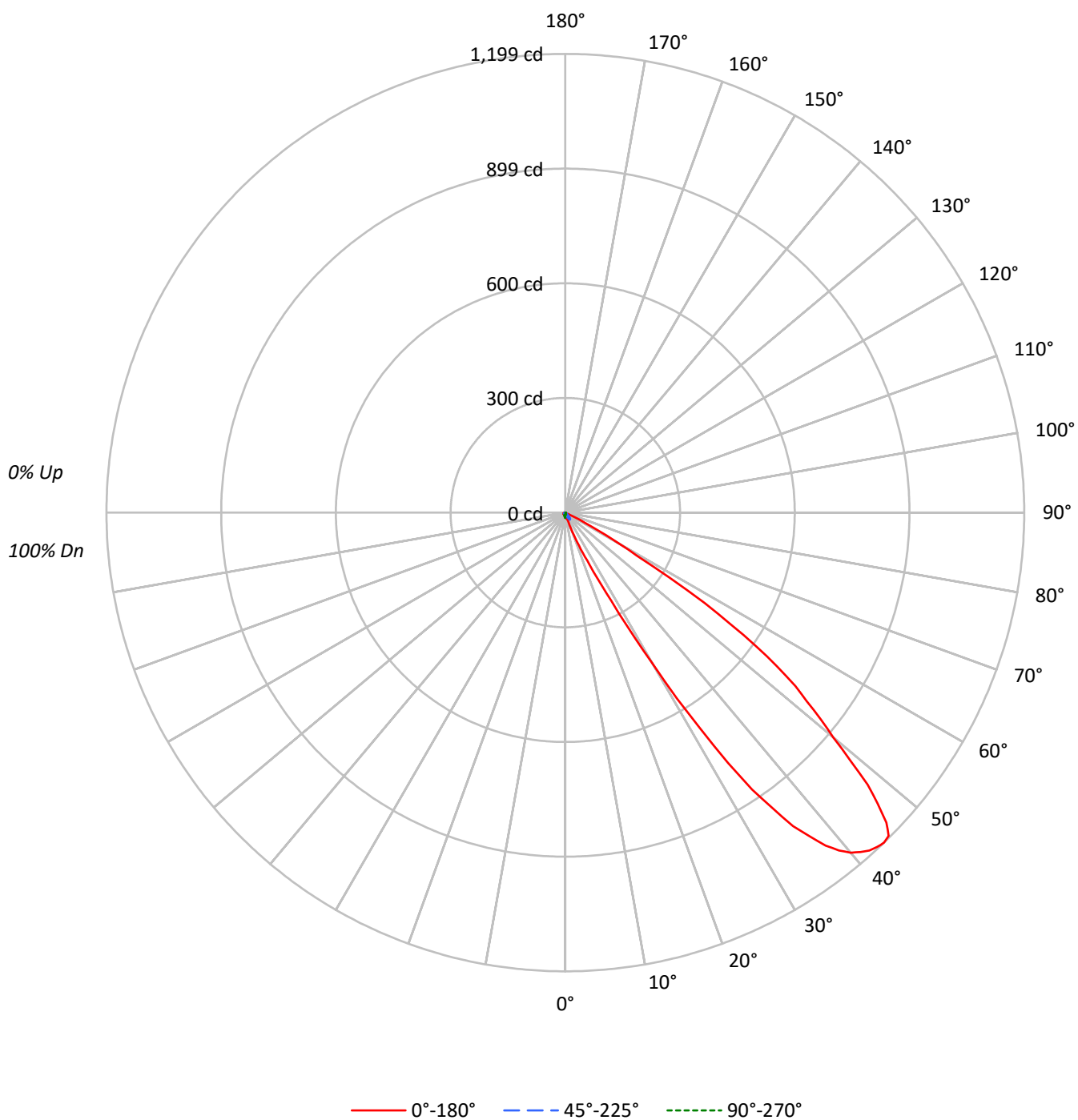
Lumens per Lamp: N/A  
Luminaire Lumens: 250.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1337406

CATALOG NUMBER: P3A05R259730DE010 E3A451H

### 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  |     |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |    |    |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 72  | 67  | 63  | 61  |    |    |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 51  |    |    |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |    |    |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  |    |    |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 27  | 25  |    |    |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 21  |    |    |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 2807   | 2807 | 2807 | 2807 | 2807 |
| 5°  | 3192   | 3060 | 2707 | 2421 | 2377 |
| 10° | 3184   | 2895 | 2293 | 2004 | 2004 |
| 15° | 3541   | 2497 | 1793 | 1703 | 1793 |
| 20° | 12531  | 2474 | 1377 | 1447 | 1587 |
| 25° | 36026  | 3145 | 1113 | 1331 | 1548 |
| 30° | 114980 | 4836 | 886  | 1291 | 1570 |
| 35° | 251818 | 5702 | 776  | 1231 | 1579 |
| 40° | 332194 | 5153 | 630  | 1260 | 1689 |
| 45° | 370457 | 3628 | 620  | 1364 | 1830 |
| 50° | 311836 | 1876 | 614  | 1433 | 2013 |
| 55° | 233129 | 765  | 573  | 1606 | 2256 |
| 60° | 72187  | 175  | 570  | 1754 | 2500 |
| 65° | 6174   | 0    | 675  | 1816 | 2750 |
| 70° | 449    | 128  | 705  | 2116 | 3077 |
| 75° | 339    | 169  | 932  | 2203 | 3558 |
| 80° | 253    | 253  | 1389 | 2526 | 4167 |
| 85° | 503    | 503  | 2264 | 2768 | 4529 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 370457 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.1    | 0.5       |
| 10°-20°   | 2.9    | 1.2       |
| 20°-30°   | 13.8   | 5.5       |
| 30°-40°   | 66.6   | 26.6      |
| 40°-50°   | 104.4  | 41.8      |
| 50°-60°   | 53.5   | 21.4      |
| 60°-70°   | 5.0    | 2.0       |
| 70°-80°   | 1.7    | 0.7       |
| 80°-90°   | 0.9    | 0.3       |
| 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°    | 17.9   | 7.2       |
| 0°-40°    | 84.5   | 33.8      |
| 0°-60°    | 242.4  | 97.0      |
| 0°-90°    | 250.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 250.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 13   | 13  | 13  | 13   | 13   |      |
| 5°  | 14   | 14  | 12  | 11   | 11   | 1    |
| 15° | 16   | 11  | 8   | 8    | 8    | 7    |
| 25° | 149  | 13  | 5   | 6    | 6    | 92   |
| 35° | 941  | 21  | 3   | 5    | 6    | 571  |
| 45° | 1195 | 12  | 2   | 4    | 6    | 874  |
| 55° | 610  | 2   | 2   | 4    | 6    | 508  |
| 65° | 12   | 0   | 1   | 4    | 5    | 37   |
| 75° | 0    | 0   | 1   | 3    | 4    | 1    |
| 85° | 0    | 0   | 1   | 1    | 2    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5° | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| 0°    | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8  | 12.8  | 12.8  | 12.8  | 12.8  | 12.8 |
| 2.5°  | 13.9   | 13.9   | 13.9   | 13.9   | 13.9   | 13.9  | 13.6  | 13.6  | 13.9  | 13.6  | 13.6 |
| 5°    | 14.5   | 14.5   | 14.5   | 14.5   | 14.5   | 14.5  | 14.5  | 14.3  | 14.3  | 14.3  | 13.9 |
| 7.5°  | 14.7   | 14.5   | 14.5   | 14.5   | 14.5   | 14.5  | 14.5  | 14.5  | 14.3  | 14.3  | 13.6 |
| 10°   | 14.3   | 14.3   | 14.3   | 14.3   | 14.1   | 14.1  | 14.1  | 13.9  | 13.9  | 13.9  | 13.0 |
| 12.5° | 14.3   | 14.3   | 14.3   | 14.3   | 14.1   | 14.1  | 13.9  | 13.9  | 13.6  | 13.4  | 11.9 |
| 15°   | 15.6   | 15.6   | 15.6   | 15.4   | 15.2   | 15.0  | 14.7  | 14.5  | 14.3  | 13.9  | 11.0 |
| 17.5° | 22.9   | 22.2   | 22.0   | 21.1   | 20.0   | 18.9  | 18.0  | 17.2  | 16.3  | 15.6  | 10.6 |
| 20°   | 53.7   | 53.5   | 52.4   | 49.7   | 46.9   | 43.6  | 40.3  | 36.5  | 31.2  | 27.7  | 10.6 |
| 22.5° | 93.1   | 91.7   | 89.8   | 87.8   | 82.7   | 76.8  | 70.6  | 63.6  | 56.8  | 49.5  | 11.2 |
| 25°   | 148.9  | 152.0  | 145.4  | 140.1  | 131.3  | 120.6 | 108.9 | 99.2  | 86.9  | 75.5  | 13.0 |
| 27.5° | 258.9  | 260.9  | 247.9  | 230.8  | 210.3  | 187.7 | 165.7 | 149.2 | 128.5 | 109.6 | 16.3 |
| 30°   | 454.1  | 456.0  | 434.3  | 397.7  | 355.5  | 318.3 | 268.0 | 223.7 | 183.0 | 151.6 | 19.1 |
| 31°   | 566.7  | 551.3  | 526.0  | 490.6  | 437.1  | 381.0 | 320.5 | 267.1 | 215.6 | 174.2 | 20.0 |
| 32°   | 664.6  | 663.3  | 633.8  | 580.1  | 526.4  | 457.1 | 382.1 | 312.4 | 249.3 | 197.1 | 20.7 |
| 33°   | 780.1  | 771.3  | 729.7  | 679.1  | 608.1  | 538.3 | 441.5 | 361.9 | 283.8 | 222.6 | 21.1 |
| 34°   | 872.7  | 849.0  | 831.8  | 773.9  | 698.9  | 610.0 | 506.4 | 414.2 | 326.9 | 247.3 | 21.3 |
| 35°   | 940.7  | 935.6  | 902.2  | 848.3  | 772.0  | 681.1 | 576.4 | 468.6 | 363.0 | 275.9 | 21.3 |
| 36°   | 1012.6 | 997.0  | 964.5  | 915.6  | 841.3  | 747.3 | 629.8 | 515.7 | 405.0 | 301.6 | 21.1 |
| 37°   | 1057.7 | 1048.5 | 1016.2 | 965.8  | 893.0  | 803.2 | 689.7 | 565.4 | 438.4 | 327.4 | 20.7 |
| 38°   | 1104.2 | 1085.5 | 1053.6 | 1005.4 | 933.9  | 849.6 | 733.0 | 603.7 | 469.2 | 350.0 | 20.0 |
| 39°   | 1136.3 | 1116.9 | 1084.4 | 1036.4 | 966.4  | 882.8 | 767.3 | 636.2 | 496.1 | 367.0 | 19.1 |
| 40°   | 1160.5 | 1141.8 | 1108.8 | 1059.5 | 990.4  | 909.0 | 795.9 | 665.0 | 518.5 | 381.7 | 18.0 |
| 41°   | 1175.4 | 1158.0 | 1125.3 | 1076.2 | 1006.9 | 924.0 | 814.6 | 683.7 | 533.7 | 391.6 | 16.9 |
| 42°   | 1188.0 | 1170.1 | 1136.7 | 1086.6 | 1017.0 | 936.7 | 826.1 | 695.6 | 544.0 | 396.6 | 16.1 |
| 43°   | 1195.0 | 1177.2 | 1144.6 | 1093.4 | 1023.2 | 942.7 | 832.2 | 701.1 | 547.6 | 396.0 | 14.5 |
| 44°   | 1199.0 | 1180.5 | 1147.7 | 1096.5 | 1025.8 | 944.2 | 832.7 | 700.0 | 545.1 | 390.7 | 13.2 |
| 45°   | 1194.6 | 1176.3 | 1144.6 | 1093.4 | 1021.2 | 939.4 | 828.3 | 694.1 | 535.9 | 380.4 | 11.7 |
| 46°   | 1166.0 | 1151.9 | 1122.8 | 1075.8 | 1006.7 | 927.1 | 817.1 | 682.6 | 521.6 | 367.6 | 9.9  |
| 47°   | 1115.6 | 1104.4 | 1076.2 | 1041.2 | 978.8  | 904.4 | 796.4 | 660.9 | 501.6 | 348.5 | 7.9  |
| 48°   | 1063.0 | 1046.5 | 1020.3 | 984.5  | 931.7  | 863.7 | 762.3 | 629.0 | 471.2 | 323.4 | 7.0  |
| 49°   | 985.4  | 975.7  | 952.6  | 912.5  | 868.8  | 808.9 | 714.1 | 588.0 | 434.0 | 296.1 | 6.2  |
| 50°   | 914.1  | 907.5  | 875.1  | 845.7  | 799.2  | 743.4 | 648.8 | 534.1 | 387.8 | 262.2 | 5.5  |
| 51°   | 858.4  | 850.5  | 827.2  | 790.4  | 740.9  | 676.0 | 586.9 | 464.2 | 334.8 | 222.0 | 4.4  |
| 52°   | 800.3  | 795.9  | 775.3  | 737.4  | 688.8  | 624.1 | 526.9 | 404.8 | 283.4 | 187.7 | 3.5  |
| 53°   | 752.8  | 746.4  | 721.1  | 687.5  | 634.9  | 568.0 | 461.8 | 349.6 | 240.0 | 157.7 | 3.1  |
| 54°   | 683.5  | 680.9  | 664.6  | 629.4  | 572.4  | 499.6 | 402.8 | 294.4 | 200.2 | 133.8 | 2.6  |
| 55°   | 609.8  | 601.0  | 584.5  | 556.6  | 504.2  | 436.2 | 334.6 | 244.0 | 161.9 | 112.6 | 2.0  |
| 56°   | 520.1  | 519.6  | 490.1  | 466.8  | 420.4  | 348.3 | 267.3 | 190.5 | 131.6 | 93.9  | 1.8  |
| 57°   | 434.3  | 420.4  | 392.0  | 368.9  | 319.0  | 264.2 | 198.4 | 142.8 | 103.0 | 76.1  | 1.3  |
| 58°   | 321.2  | 313.9  | 306.5  | 272.6  | 226.4  | 187.2 | 141.7 | 100.3 | 76.1  | 58.1  | 0.9  |
| 59°   | 218.0  | 217.8  | 209.0  | 183.3  | 156.6  | 116.6 | 88.4  | 68.2  | 52.4  | 42.7  | 0.7  |
| 60°   | 164.6  | 160.6  | 143.0  | 126.1  | 98.6   | 73.7  | 52.4  | 40.3  | 32.6  | 27.5  | 0.4  |
| 62.5° | 57.6   | 59.8   | 52.6   | 43.6   | 33.2   | 27.3  | 20.9  | 16.9  | 13.9  | 11.2  | 0.0  |
| 65°   | 11.9   | 13.0   | 11.2   | 10.6   | 8.4    | 7.3   | 6.4   | 5.5   | 4.6   | 4.0   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.5 | 1.3  | 1.3 | 1.3  | 1.1 | 1.1   | 1.1 | 1.1   | 0.9 | 0.9   | 0.2 |
| 70°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.4 | 0.4   | 0.4 | 0.4   | 0.2 |
| 72.5° | 0.7 | 0.7  | 0.7 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.2   | 0.2 |
| 75°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.4 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.0  | 0.0 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 12.8  | 12.8 | 12.8   | 12.8 | 12.8   | 12.8 |
| 2.5°  | 13.4  | 13.0 | 12.3   | 12.1 | 11.9   | 11.9 |
| 5°    | 13.2  | 12.3 | 11.7   | 11.0 | 10.8   | 10.8 |
| 7.5°  | 12.5  | 11.4 | 10.6   | 10.1 | 9.9    | 9.7  |
| 10°   | 11.9  | 10.3 | 9.5    | 9.0  | 9.0    | 9.0  |
| 12.5° | 10.6  | 9.2  | 8.4    | 8.1  | 8.4    | 8.4  |
| 15°   | 9.5   | 7.9  | 7.5    | 7.5  | 7.7    | 7.9  |
| 17.5° | 8.1   | 7.0  | 6.6    | 6.8  | 7.0    | 7.3  |
| 20°   | 7.3   | 5.9  | 5.9    | 6.2  | 6.8    | 6.8  |
| 22.5° | 6.4   | 5.3  | 5.3    | 5.9  | 6.4    | 6.6  |
| 25°   | 5.7   | 4.6  | 4.8    | 5.5  | 6.2    | 6.4  |
| 27.5° | 4.8   | 4.0  | 4.4    | 5.3  | 5.9    | 6.2  |
| 30°   | 4.2   | 3.5  | 4.2    | 5.1  | 5.7    | 6.2  |
| 31°   | 4.0   | 3.3  | 4.2    | 4.8  | 5.7    | 6.2  |
| 32°   | 3.5   | 3.3  | 4.0    | 4.8  | 5.7    | 5.9  |
| 33°   | 3.3   | 3.1  | 4.0    | 4.8  | 5.7    | 5.9  |
| 34°   | 3.1   | 2.9  | 3.7    | 4.8  | 5.7    | 5.9  |
| 35°   | 2.6   | 2.9  | 3.7    | 4.6  | 5.5    | 5.9  |
| 36°   | 2.4   | 2.6  | 3.7    | 4.6  | 5.5    | 5.9  |
| 37°   | 2.2   | 2.6  | 3.5    | 4.6  | 5.5    | 5.9  |
| 38°   | 2.0   | 2.4  | 3.5    | 4.6  | 5.5    | 5.9  |
| 39°   | 1.8   | 2.4  | 3.3    | 4.6  | 5.5    | 5.9  |
| 40°   | 1.5   | 2.2  | 3.3    | 4.4  | 5.5    | 5.9  |
| 41°   | 1.5   | 2.2  | 3.3    | 4.4  | 5.5    | 5.9  |
| 42°   | 1.3   | 2.2  | 3.3    | 4.4  | 5.5    | 5.9  |
| 43°   | 1.1   | 2.0  | 3.3    | 4.4  | 5.5    | 5.9  |
| 44°   | 0.9   | 2.0  | 3.1    | 4.4  | 5.5    | 5.9  |
| 45°   | 0.9   | 2.0  | 3.1    | 4.4  | 5.5    | 5.9  |
| 46°   | 0.7   | 1.8  | 3.1    | 4.4  | 5.5    | 5.9  |
| 47°   | 0.4   | 1.8  | 3.1    | 4.2  | 5.5    | 5.9  |
| 48°   | 0.4   | 1.8  | 3.1    | 4.2  | 5.5    | 5.9  |
| 49°   | 0.4   | 1.8  | 2.9    | 4.2  | 5.5    | 5.9  |
| 50°   | 0.4   | 1.8  | 2.9    | 4.2  | 5.5    | 5.9  |
| 51°   | 0.2   | 1.5  | 2.9    | 4.2  | 5.5    | 5.9  |
| 52°   | 0.2   | 1.5  | 2.9    | 4.2  | 5.5    | 6.2  |
| 53°   | 0.2   | 1.5  | 2.9    | 4.2  | 5.5    | 5.9  |
| 54°   | 0.2   | 1.5  | 2.6    | 4.2  | 5.5    | 5.9  |
| 55°   | 0.2   | 1.5  | 2.6    | 4.2  | 5.5    | 5.9  |
| 56°   | 0.2   | 1.3  | 2.6    | 4.0  | 5.5    | 5.9  |
| 57°   | 0.4   | 1.3  | 2.6    | 4.0  | 5.5    | 5.7  |
| 58°   | 0.4   | 1.3  | 2.6    | 4.0  | 5.3    | 5.7  |
| 59°   | 0.4   | 1.3  | 2.6    | 4.0  | 5.3    | 5.7  |
| 60°   | 0.4   | 1.3  | 2.4    | 4.0  | 5.3    | 5.7  |
| 62.5° | 0.4   | 1.3  | 2.4    | 3.7  | 5.1    | 5.5  |
| 65°   | 0.4   | 1.3  | 2.2    | 3.5  | 5.1    | 5.3  |



TEST NUMBER: P1337406

CATALOG NUMBER: P3A05R259730DE010 E3A451H

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4   | 1.1 | 2.2    | 3.3  | 4.8    | 5.1  |
| 70°   | 0.7   | 1.1 | 2.0    | 3.3  | 4.6    | 4.8  |
| 72.5° | 0.7   | 1.1 | 2.0    | 2.9  | 4.2    | 4.6  |
| 75°   | 0.7   | 1.1 | 1.8    | 2.6  | 4.0    | 4.2  |
| 77.5° | 0.7   | 1.1 | 1.5    | 2.4  | 3.5    | 3.7  |
| 80°   | 0.9   | 1.1 | 1.3    | 2.0  | 3.1    | 3.3  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.5  | 2.4    | 2.6  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.5    | 1.8  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.4  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)