

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: P1337305

Luminaire Tested: P3A05R259027DE010 E3A451WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337305  
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: P3A05R259027DE010 E3A451WH  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

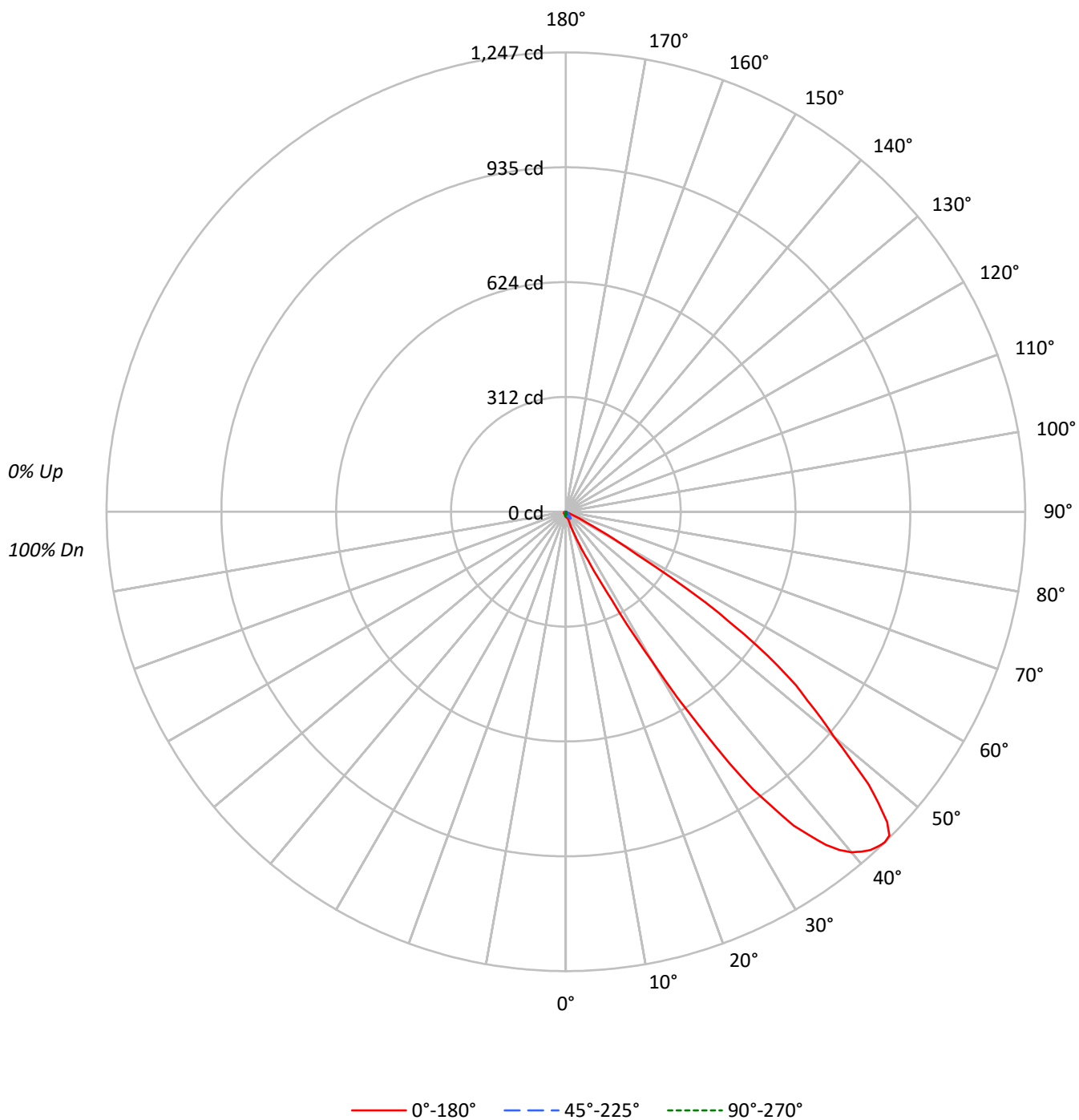
Lumens per Lamp: N/A  
Luminaire Lumens: 260.0 lumens  
Efficiency: N/A  
Efficacy: 36.1 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1337305

CATALOG NUMBER: P3A05R259027DE010 E3A451WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1337305

CATALOG NUMBER: P3A05R259027DE010 E3A451WH

**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 | 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°  | 2916   | 2916 | 2916 | 2916 | 2916 |
| 5°  | 3324   | 3170 | 2818 | 2509 | 2465 |
| 10° | 3318   | 3006 | 2405 | 2093 | 2093 |
| 15° | 3678   | 2588 | 1862 | 1771 | 1862 |
| 20° | 13021  | 2567 | 1447 | 1493 | 1657 |
| 25° | 37478  | 3266 | 1161 | 1379 | 1597 |
| 30° | 119563 | 5039 | 937  | 1342 | 1621 |
| 35° | 261883 | 5943 | 803  | 1285 | 1660 |
| 40° | 345476 | 5382 | 658  | 1317 | 1775 |
| 45° | 385280 | 3752 | 651  | 1427 | 1923 |
| 50° | 324288 | 1944 | 614  | 1467 | 2115 |
| 55° | 242457 | 803  | 612  | 1644 | 2370 |
| 60° | 75038  | 219  | 614  | 1798 | 2588 |
| 65° | 6434   | 0    | 726  | 1920 | 2854 |
| 70° | 449    | 128  | 705  | 2180 | 3206 |
| 75° | 424    | 169  | 932  | 2288 | 3643 |
| 80° | 253    | 253  | 1389 | 2652 | 4293 |
| 85° | 503    | 503  | 2264 | 2768 | 4529 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 385280 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.2    | 0.5       |
| 10°-20°   | 3.1    | 1.2       |
| 20°-30°   | 14.4   | 5.5       |
| 30°-40°   | 69.3   | 26.6      |
| 40°-50°   | 108.6  | 41.8      |
| 50°-60°   | 55.6   | 21.4      |
| 60°-70°   | 5.3    | 2.0       |
| 70°-80°   | 1.8    | 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°    | 18.6   | 7.2       |
| 0°-40°    | 87.9   | 33.8      |
| 0°-60°    | 252.1  | 97.0      |
| 0°-90°    | 260.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 260.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 13   | 13  | 13  | 13   | 13   |      |
| 5°  | 15   | 14  | 13  | 11   | 11   | 1    |
| 15° | 16   | 11  | 8   | 8    | 8    | 7    |
| 25° | 155  | 14  | 5   | 6    | 7    | 96   |
| 35° | 978  | 22  | 3   | 5    | 6    | 594  |
| 45° | 1242 | 12  | 2   | 5    | 6    | 909  |
| 55° | 634  | 2   | 2   | 4    | 6    | 528  |
| 65° | 12   | 0   | 1   | 4    | 6    | 39   |
| 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°    | 13.3   | 13.3   | 13.3   | 13.3   | 13.3   | 13.3  | 13.3  | 13.3  | 13.3  | 13.3  | 13.3 |
| 2.5°  | 14.4   | 14.4   | 14.4   | 14.4   | 14.4   | 14.4  | 14.2  | 14.2  | 14.4  | 14.2  | 14.2 |
| 5°    | 15.1   | 15.1   | 15.1   | 15.1   | 15.1   | 15.1  | 15.1  | 14.9  | 14.9  | 14.9  | 14.4 |
| 7.5°  | 15.3   | 15.1   | 15.1   | 15.1   | 15.1   | 15.1  | 15.1  | 15.1  | 14.9  | 14.9  | 14.2 |
| 10°   | 14.9   | 14.9   | 14.9   | 14.9   | 14.6   | 14.6  | 14.6  | 14.4  | 14.4  | 14.4  | 13.5 |
| 12.5° | 14.9   | 14.9   | 14.9   | 14.9   | 14.6   | 14.6  | 14.4  | 14.4  | 14.2  | 14.0  | 12.4 |
| 15°   | 16.2   | 16.2   | 16.2   | 16.0   | 15.8   | 15.6  | 15.3  | 15.1  | 14.9  | 14.4  | 11.4 |
| 17.5° | 23.8   | 23.1   | 22.9   | 22.0   | 20.8   | 19.7  | 18.8  | 17.8  | 16.9  | 16.2  | 11.0 |
| 20°   | 55.8   | 55.6   | 54.5   | 51.7   | 48.7   | 45.3  | 41.9  | 38.0  | 32.5  | 28.8  | 11.0 |
| 22.5° | 96.8   | 95.4   | 93.3   | 91.3   | 86.0   | 79.8  | 73.4  | 66.1  | 59.0  | 51.5  | 11.7 |
| 25°   | 154.9  | 158.1  | 151.2  | 145.7  | 136.6  | 125.4 | 113.3 | 103.2 | 90.4  | 78.5  | 13.5 |
| 27.5° | 269.3  | 271.3  | 257.9  | 240.0  | 218.7  | 195.2 | 172.3 | 155.1 | 133.6 | 113.9 | 16.9 |
| 30°   | 472.2  | 474.3  | 451.6  | 413.7  | 369.7  | 331.1 | 278.7 | 232.7 | 190.4 | 157.6 | 19.9 |
| 31°   | 589.4  | 573.4  | 547.0  | 510.2  | 454.6  | 396.3 | 333.4 | 277.8 | 224.2 | 181.2 | 20.8 |
| 32°   | 691.2  | 689.8  | 659.2  | 603.3  | 547.5  | 475.4 | 397.4 | 324.9 | 259.2 | 205.0 | 21.5 |
| 33°   | 811.3  | 802.2  | 758.9  | 706.3  | 632.4  | 559.9 | 459.2 | 376.4 | 295.1 | 231.5 | 22.0 |
| 34°   | 907.6  | 882.9  | 865.1  | 804.9  | 726.9  | 634.4 | 526.7 | 430.8 | 340.0 | 257.2 | 22.2 |
| 35°   | 978.3  | 973.1  | 938.3  | 882.2  | 802.8  | 708.3 | 599.4 | 487.3 | 377.5 | 286.9 | 22.2 |
| 36°   | 1053.1 | 1036.9 | 1003.0 | 952.2  | 874.9  | 777.2 | 655.0 | 536.3 | 421.2 | 313.7 | 22.0 |
| 37°   | 1100.0 | 1090.4 | 1056.8 | 1004.4 | 928.7  | 835.3 | 717.3 | 588.0 | 456.0 | 340.4 | 21.5 |
| 38°   | 1148.3 | 1128.9 | 1095.7 | 1045.6 | 971.2  | 883.6 | 762.3 | 627.8 | 488.0 | 364.0 | 20.8 |
| 39°   | 1181.7 | 1161.6 | 1127.7 | 1077.8 | 1005.1 | 918.1 | 798.0 | 661.7 | 515.9 | 381.6 | 19.9 |
| 40°   | 1206.9 | 1187.4 | 1153.1 | 1101.9 | 1030.0 | 945.4 | 827.8 | 691.6 | 539.3 | 397.0 | 18.8 |
| 41°   | 1222.4 | 1204.4 | 1170.3 | 1119.3 | 1047.2 | 960.9 | 847.2 | 711.1 | 555.1 | 407.3 | 17.6 |
| 42°   | 1235.5 | 1217.0 | 1182.2 | 1130.0 | 1057.7 | 974.2 | 859.1 | 723.4 | 565.8 | 412.5 | 16.7 |
| 43°   | 1242.8 | 1224.3 | 1190.4 | 1137.1 | 1064.1 | 980.4 | 865.5 | 729.2 | 569.5 | 411.8 | 15.1 |
| 44°   | 1246.9 | 1227.7 | 1193.6 | 1140.3 | 1066.9 | 982.0 | 866.0 | 728.0 | 567.0 | 406.3 | 13.7 |
| 45°   | 1242.4 | 1223.4 | 1190.4 | 1137.1 | 1062.1 | 976.9 | 861.4 | 721.8 | 557.3 | 395.6 | 12.1 |
| 46°   | 1212.6 | 1198.0 | 1167.8 | 1118.8 | 1047.0 | 964.1 | 849.7 | 709.9 | 542.5 | 382.3 | 10.3 |
| 47°   | 1160.2 | 1148.5 | 1119.3 | 1082.9 | 1017.9 | 940.6 | 828.2 | 687.3 | 521.7 | 362.4 | 8.2  |
| 48°   | 1105.5 | 1088.4 | 1061.1 | 1023.9 | 968.9  | 898.2 | 792.8 | 654.1 | 490.1 | 336.3 | 7.3  |
| 49°   | 1024.8 | 1014.7 | 990.7  | 949.0  | 903.5  | 841.3 | 742.7 | 611.6 | 451.4 | 308.0 | 6.4  |
| 50°   | 950.6  | 943.8  | 910.1  | 879.5  | 831.2  | 773.1 | 674.7 | 555.5 | 403.4 | 272.7 | 5.7  |
| 51°   | 892.8  | 884.5  | 860.3  | 822.1  | 770.6  | 703.1 | 610.4 | 482.8 | 348.2 | 230.9 | 4.6  |
| 52°   | 832.4  | 827.8  | 806.3  | 766.9  | 716.4  | 649.1 | 548.0 | 421.0 | 294.7 | 195.2 | 3.7  |
| 53°   | 782.9  | 776.3  | 750.0  | 715.0  | 660.3  | 590.7 | 480.2 | 363.6 | 249.6 | 164.0 | 3.2  |
| 54°   | 710.9  | 708.1  | 691.2  | 654.6  | 595.3  | 519.6 | 418.9 | 306.1 | 208.2 | 139.1 | 2.7  |
| 55°   | 634.2  | 625.1  | 607.9  | 578.8  | 524.4  | 453.7 | 348.0 | 253.7 | 168.4 | 117.1 | 2.1  |
| 56°   | 540.9  | 540.4  | 509.8  | 485.5  | 437.2  | 362.2 | 278.0 | 198.1 | 136.8 | 97.7  | 1.8  |
| 57°   | 451.6  | 437.2  | 407.7  | 383.7  | 331.8  | 274.8 | 206.4 | 148.5 | 107.1 | 79.2  | 1.4  |
| 58°   | 334.0  | 326.5  | 318.7  | 283.5  | 235.4  | 194.7 | 147.3 | 104.3 | 79.2  | 60.4  | 0.9  |
| 59°   | 226.7  | 226.5  | 217.4  | 190.6  | 162.9  | 121.3 | 92.0  | 70.9  | 54.5  | 44.4  | 0.7  |
| 60°   | 171.1  | 167.0  | 148.7  | 131.1  | 102.5  | 76.6  | 54.5  | 41.9  | 33.9  | 28.6  | 0.5  |
| 62.5° | 59.9   | 62.2   | 54.7   | 45.3   | 34.5   | 28.4  | 21.7  | 17.6  | 14.4  | 11.7  | 0.0  |
| 65°   | 12.4   | 13.5   | 11.7   | 11.0   | 8.7    | 7.6   | 6.6   | 5.7   | 4.8   | 4.1   | 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° | 1.6 | 1.4  | 1.4 | 1.4  | 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   | 0.5 | 0.5   | 0.5 | 0.5   | 0.2 |
| 72.5° | 0.7 | 0.7  | 0.7 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 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   | 0.5 |
| 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°    | 13.3  | 13.3 | 13.3   | 13.3 | 13.3   | 13.3 |
| 2.5°  | 14.0  | 13.5 | 12.8   | 12.6 | 12.4   | 12.4 |
| 5°    | 13.7  | 12.8 | 12.1   | 11.4 | 11.2   | 11.2 |
| 7.5°  | 13.0  | 11.9 | 11.0   | 10.5 | 10.3   | 10.1 |
| 10°   | 12.4  | 10.8 | 9.8    | 9.4  | 9.4    | 9.4  |
| 12.5° | 11.0  | 9.6  | 8.7    | 8.5  | 8.7    | 8.7  |
| 15°   | 9.8   | 8.2  | 7.8    | 7.8  | 8.0    | 8.2  |
| 17.5° | 8.5   | 7.3  | 6.9    | 7.1  | 7.3    | 7.6  |
| 20°   | 7.6   | 6.2  | 6.2    | 6.4  | 7.1    | 7.1  |
| 22.5° | 6.6   | 5.5  | 5.5    | 6.2  | 6.6    | 6.9  |
| 25°   | 5.9   | 4.8  | 5.0    | 5.7  | 6.4    | 6.6  |
| 27.5° | 5.0   | 4.1  | 4.6    | 5.5  | 6.2    | 6.4  |
| 30°   | 4.3   | 3.7  | 4.3    | 5.3  | 5.9    | 6.4  |
| 31°   | 4.1   | 3.4  | 4.3    | 5.0  | 5.9    | 6.4  |
| 32°   | 3.7   | 3.4  | 4.1    | 5.0  | 5.9    | 6.2  |
| 33°   | 3.4   | 3.2  | 4.1    | 5.0  | 5.9    | 6.2  |
| 34°   | 3.2   | 3.0  | 3.9    | 5.0  | 5.9    | 6.2  |
| 35°   | 2.7   | 3.0  | 3.9    | 4.8  | 5.7    | 6.2  |
| 36°   | 2.5   | 2.7  | 3.9    | 4.8  | 5.7    | 6.2  |
| 37°   | 2.3   | 2.7  | 3.7    | 4.8  | 5.7    | 6.2  |
| 38°   | 2.1   | 2.5  | 3.7    | 4.8  | 5.7    | 6.2  |
| 39°   | 1.8   | 2.5  | 3.4    | 4.8  | 5.7    | 6.2  |
| 40°   | 1.6   | 2.3  | 3.4    | 4.6  | 5.7    | 6.2  |
| 41°   | 1.6   | 2.3  | 3.4    | 4.6  | 5.7    | 6.2  |
| 42°   | 1.4   | 2.3  | 3.4    | 4.6  | 5.7    | 6.2  |
| 43°   | 1.1   | 2.1  | 3.4    | 4.6  | 5.7    | 6.2  |
| 44°   | 0.9   | 2.1  | 3.2    | 4.6  | 5.7    | 6.2  |
| 45°   | 0.9   | 2.1  | 3.2    | 4.6  | 5.7    | 6.2  |
| 46°   | 0.7   | 1.8  | 3.2    | 4.6  | 5.7    | 6.2  |
| 47°   | 0.5   | 1.8  | 3.2    | 4.3  | 5.7    | 6.2  |
| 48°   | 0.5   | 1.8  | 3.2    | 4.3  | 5.7    | 6.2  |
| 49°   | 0.5   | 1.8  | 3.0    | 4.3  | 5.7    | 6.2  |
| 50°   | 0.5   | 1.8  | 3.0    | 4.3  | 5.7    | 6.2  |
| 51°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.2  |
| 52°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.4  |
| 53°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.2  |
| 54°   | 0.2   | 1.6  | 2.7    | 4.3  | 5.7    | 6.2  |
| 55°   | 0.2   | 1.6  | 2.7    | 4.3  | 5.7    | 6.2  |
| 56°   | 0.2   | 1.4  | 2.7    | 4.1  | 5.7    | 6.2  |
| 57°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.7    | 5.9  |
| 58°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.5    | 5.9  |
| 59°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.5    | 5.9  |
| 60°   | 0.5   | 1.4  | 2.5    | 4.1  | 5.5    | 5.9  |
| 62.5° | 0.5   | 1.4  | 2.5    | 3.9  | 5.3    | 5.7  |
| 65°   | 0.5   | 1.4  | 2.3    | 3.7  | 5.3    | 5.5  |



TEST NUMBER: P1337305

CATALOG NUMBER: P3A05R259027DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.1 | 2.3    | 3.4  | 5.0    | 5.3  |
| 70°   | 0.7   | 1.1 | 2.1    | 3.4  | 4.8    | 5.0  |
| 72.5° | 0.7   | 1.1 | 2.1    | 3.0  | 4.3    | 4.8  |
| 75°   | 0.7   | 1.1 | 1.8    | 2.7  | 4.1    | 4.3  |
| 77.5° | 0.7   | 1.1 | 1.6    | 2.5  | 3.7    | 3.9  |
| 80°   | 0.9   | 1.1 | 1.4    | 2.1  | 3.2    | 3.4  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.6  | 2.5    | 2.7  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.6    | 1.8  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.5  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)