

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: P1336860

Luminaire Tested: P3A05R209040DE010 E3A451B

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R209040DE010 E3A451B  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3A451B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

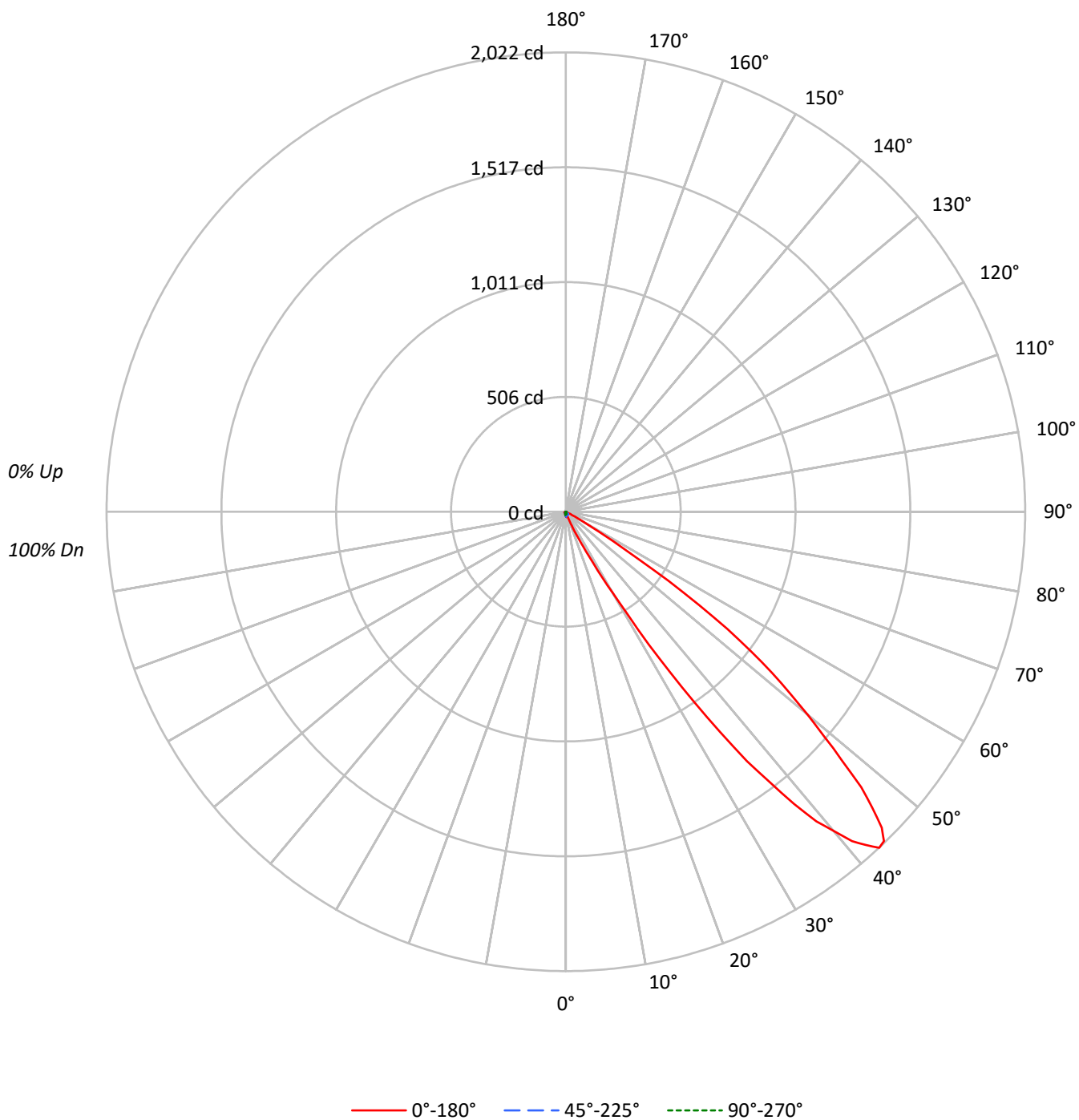
Lumens per Lamp: N/A  
Luminaire Lumens: 281.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.14  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336860

CATALOG NUMBER: P3A05R209040DE010 E3A451B

### Luminous Intensity Polar Plot



TEST NUMBER: P1336860

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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 | 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  | 65  | 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  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 29  |    |    |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 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  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 4276   | 4276 | 4276 | 4276 | 4276 |
| 5°  | 4997   | 4644 | 4006 | 3478 | 3368 |
| 10° | 4943   | 4231 | 3184 | 2694 | 2650 |
| 15° | 4313   | 3246 | 2338 | 2157 | 2270 |
| 20° | 6417   | 2707 | 1727 | 1843 | 2030 |
| 25° | 27606  | 2807 | 1331 | 1669 | 1984 |
| 30° | 104370 | 3418 | 1139 | 1595 | 1950 |
| 35° | 316412 | 4096 | 1071 | 1633 | 2061 |
| 40° | 524669 | 4093 | 916  | 1746 | 2204 |
| 45° | 609862 | 2791 | 806  | 1799 | 2388 |
| 50° | 473400 | 1535 | 819  | 1876 | 2695 |
| 55° | 273997 | 994  | 803  | 2103 | 2944 |
| 60° | 46312  | 219  | 702  | 2193 | 3245 |
| 65° | 3580   | 0    | 830  | 2491 | 3684 |
| 70° | 513    | 0    | 1026 | 2693 | 4231 |
| 75° | 424    | 254  | 1101 | 3135 | 4914 |
| 80° | 379    | 379  | 1642 | 3283 | 5683 |
| 85° | 755    | 755  | 2768 | 3271 | 6038 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 609862 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.7    | 0.6       |
| 10°-20°   | 3.5    | 1.3       |
| 20°-30°   | 11.2   | 4.0       |
| 30°-40°   | 71.7   | 25.5      |
| 40°-50°   | 131.2  | 46.7      |
| 50°-60°   | 53.9   | 19.2      |
| 60°-70°   | 4.5    | 1.6       |
| 70°-80°   | 2.3    | 0.8       |
| 80°-90°   | 1.1    | 0.4       |
| 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°    | 16.4   | 5.8       |
| 0°-40°    | 88.1   | 31.3      |
| 0°-60°    | 273.1  | 97.2      |
| 0°-90°    | 281.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 281.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 20   | 20  | 20  | 20   | 20   |      |
| 5°  | 23   | 21  | 18  | 16   | 15   | 2    |
| 15° | 19   | 14  | 10  | 10   | 10   | 6    |
| 25° | 114  | 12  | 6   | 7    | 8    | 75   |
| 35° | 1182 | 15  | 4   | 6    | 8    | 748  |
| 45° | 1967 | 9   | 3   | 6    | 8    | 1412 |
| 55° | 717  | 3   | 2   | 6    | 8    | 626  |
| 65° | 7    | 0   | 2   | 5    | 7    | 22   |
| 75° | 0    | 0   | 1   | 4    | 6    | 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°    | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5  | 19.5  | 19.5  | 19.5  | 19.5 |
| 2.5°  | 21.4   | 21.4   | 21.4   | 21.1   | 21.1   | 21.4   | 21.1  | 21.1  | 21.1  | 21.1  | 20.9 |
| 5°    | 22.7   | 22.7   | 22.7   | 22.7   | 22.7   | 22.7   | 22.7  | 22.4  | 22.4  | 22.2  | 21.1 |
| 7.5°  | 23.2   | 23.2   | 23.2   | 23.2   | 23.0   | 23.0   | 23.0  | 23.0  | 22.7  | 22.4  | 20.6 |
| 10°   | 22.2   | 22.2   | 22.2   | 21.9   | 21.9   | 21.9   | 21.7  | 21.7  | 21.4  | 21.1  | 19.0 |
| 12.5° | 20.1   | 20.1   | 20.1   | 20.1   | 19.8   | 19.8   | 19.5  | 19.5  | 19.3  | 19.0  | 16.6 |
| 15°   | 19.0   | 19.0   | 19.0   | 18.7   | 18.7   | 18.5   | 18.2  | 18.0  | 17.7  | 17.2  | 14.3 |
| 17.5° | 20.6   | 20.6   | 20.3   | 20.3   | 19.8   | 19.3   | 19.0  | 18.2  | 17.7  | 16.9  | 12.7 |
| 20°   | 27.5   | 27.7   | 26.7   | 25.9   | 25.4   | 23.8   | 23.0  | 21.7  | 20.6  | 19.3  | 11.6 |
| 22.5° | 55.5   | 54.4   | 52.6   | 49.6   | 46.2   | 43.3   | 38.0  | 33.8  | 30.9  | 26.9  | 11.4 |
| 25°   | 114.1  | 113.0  | 108.0  | 103.8  | 93.2   | 85.0   | 73.7  | 64.4  | 54.9  | 45.7  | 11.6 |
| 27.5° | 216.8  | 209.7  | 208.4  | 189.1  | 174.3  | 153.2  | 131.2 | 112.8 | 95.9  | 77.1  | 12.4 |
| 30°   | 412.2  | 404.0  | 375.2  | 346.2  | 306.3  | 261.2  | 218.1 | 178.0 | 144.4 | 114.1 | 13.5 |
| 31°   | 523.1  | 531.1  | 497.3  | 438.9  | 380.0  | 322.2  | 263.3 | 212.3 | 169.0 | 131.2 | 14.0 |
| 32°   | 687.6  | 653.1  | 617.4  | 557.5  | 471.9  | 398.0  | 324.0 | 250.6 | 193.6 | 149.7 | 14.5 |
| 33°   | 843.2  | 822.9  | 768.5  | 693.7  | 591.0  | 487.2  | 391.4 | 295.8 | 223.7 | 172.2 | 14.8 |
| 34°   | 1009.0 | 986.6  | 942.5  | 835.3  | 722.5  | 586.5  | 458.7 | 347.8 | 259.6 | 194.1 | 15.1 |
| 35°   | 1182.0 | 1172.5 | 1087.5 | 994.5  | 855.9  | 691.9  | 539.8 | 404.8 | 294.7 | 214.2 | 15.3 |
| 36°   | 1356.0 | 1325.4 | 1258.8 | 1123.1 | 978.4  | 789.3  | 624.8 | 457.9 | 330.4 | 237.9 | 15.3 |
| 37°   | 1487.0 | 1480.1 | 1391.9 | 1259.6 | 1089.6 | 893.4  | 698.2 | 516.8 | 366.3 | 258.3 | 15.3 |
| 38°   | 1631.4 | 1604.2 | 1514.7 | 1380.1 | 1194.1 | 988.7  | 775.1 | 568.0 | 400.3 | 276.7 | 15.1 |
| 39°   | 1753.2 | 1712.8 | 1622.5 | 1489.4 | 1285.5 | 1061.0 | 836.1 | 617.7 | 430.4 | 292.1 | 14.8 |
| 40°   | 1832.9 | 1804.9 | 1710.7 | 1560.9 | 1368.4 | 1129.4 | 897.9 | 658.6 | 452.9 | 303.7 | 14.3 |
| 41°   | 1920.9 | 1874.4 | 1781.2 | 1630.7 | 1428.6 | 1189.7 | 936.7 | 685.5 | 470.3 | 311.3 | 13.7 |
| 42°   | 1973.4 | 1935.4 | 1824.8 | 1677.4 | 1471.7 | 1224.0 | 968.4 | 706.1 | 480.9 | 315.3 | 12.7 |
| 43°   | 2022.5 | 1970.8 | 1863.0 | 1704.6 | 1500.2 | 1248.3 | 982.9 | 715.6 | 483.3 | 315.3 | 11.4 |
| 44°   | 2015.9 | 1966.8 | 1855.1 | 1708.3 | 1506.5 | 1255.4 | 989.0 | 715.9 | 479.6 | 311.3 | 10.0 |
| 45°   | 1966.6 | 1917.7 | 1817.1 | 1676.1 | 1483.8 | 1241.4 | 976.8 | 705.3 | 469.3 | 304.5 | 9.0  |
| 46°   | 1876.0 | 1827.4 | 1750.3 | 1622.2 | 1441.6 | 1209.7 | 948.6 | 682.4 | 452.1 | 293.4 | 7.9  |
| 47°   | 1777.5 | 1730.2 | 1651.3 | 1535.3 | 1369.5 | 1153.2 | 907.6 | 650.2 | 428.1 | 277.3 | 7.1  |
| 48°   | 1634.6 | 1605.0 | 1525.8 | 1426.8 | 1269.4 | 1064.7 | 835.8 | 597.6 | 395.8 | 256.4 | 6.1  |
| 49°   | 1508.4 | 1477.2 | 1407.8 | 1301.4 | 1139.0 | 961.8  | 750.0 | 533.7 | 353.9 | 233.2 | 5.3  |
| 50°   | 1387.7 | 1360.5 | 1296.3 | 1176.2 | 1021.2 | 837.4  | 634.0 | 453.2 | 301.0 | 204.4 | 4.5  |
| 51°   | 1269.7 | 1249.3 | 1183.8 | 1073.5 | 916.1  | 741.8  | 549.3 | 377.4 | 248.8 | 169.5 | 4.2  |
| 52°   | 1151.1 | 1148.7 | 1077.7 | 966.0  | 813.9  | 646.5  | 466.9 | 318.5 | 211.0 | 142.3 | 4.0  |
| 53°   | 1023.6 | 1008.2 | 946.2  | 845.8  | 699.8  | 547.2  | 395.8 | 268.6 | 181.7 | 121.2 | 3.4  |
| 54°   | 878.3  | 861.1  | 794.6  | 704.0  | 571.7  | 448.1  | 319.0 | 217.1 | 151.3 | 102.5 | 3.2  |
| 55°   | 716.7  | 687.4  | 639.1  | 546.1  | 446.5  | 342.0  | 246.4 | 171.9 | 120.9 | 85.3  | 2.6  |
| 56°   | 543.7  | 514.4  | 487.2  | 418.8  | 327.7  | 255.1  | 183.5 | 131.8 | 94.5  | 67.3  | 2.4  |
| 57°   | 378.2  | 376.6  | 331.9  | 279.4  | 219.2  | 173.8  | 125.7 | 93.0  | 66.8  | 52.3  | 1.8  |
| 58°   | 245.3  | 237.1  | 208.6  | 178.2  | 143.4  | 108.5  | 80.8  | 63.1  | 45.4  | 35.6  | 1.6  |
| 59°   | 171.9  | 155.5  | 140.2  | 118.8  | 90.3   | 68.4   | 52.0  | 40.4  | 31.4  | 24.8  | 1.1  |
| 60°   | 105.6  | 102.2  | 91.9   | 72.4   | 58.6   | 48.3   | 38.8  | 29.8  | 23.0  | 17.7  | 0.5  |
| 62.5° | 30.1   | 30.6   | 27.7   | 24.6   | 21.1   | 18.2   | 16.4  | 14.0  | 11.6  | 9.2   | 0.0  |
| 65°   | 6.9    | 6.6    | 7.1    | 6.6    | 6.1    | 6.1    | 5.3   | 4.8   | 4.2   | 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° | 2.1 | 2.1  | 1.8 | 1.8  | 1.8 | 1.6   | 1.6 | 1.3   | 1.3 | 1.1   | 0.0 |
| 70°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.5   | 0.5 | 0.5   | 0.3 | 0.3   | 0.0 |
| 72.5° | 0.8 | 0.8  | 0.8 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.3 | 0.3   | 0.3 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.3   | 0.3 | 0.3   | 0.3 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.3   | 0.5 | 0.3   | 0.3 | 0.3   | 0.3 |
| 80°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 82.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 85°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.0 | 0.0   | 0.3 | 0.3   | 0.3 | 0.0   | 0.3 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 |
| 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°    | 19.5  | 19.5 | 19.5   | 19.5 | 19.5   | 19.5 |
| 2.5°  | 20.3  | 19.3 | 18.5   | 17.7 | 17.4   | 17.4 |
| 5°    | 19.8  | 18.2 | 16.6   | 15.8 | 15.3   | 15.3 |
| 7.5°  | 18.2  | 16.4 | 14.8   | 14.0 | 13.7   | 13.7 |
| 10°   | 16.4  | 14.3 | 12.7   | 12.1 | 12.1   | 11.9 |
| 12.5° | 14.3  | 12.1 | 11.1   | 10.8 | 10.8   | 10.8 |
| 15°   | 11.9  | 10.3 | 9.5    | 9.5  | 9.8    | 10.0 |
| 17.5° | 10.0  | 8.5  | 8.2    | 8.7  | 9.2    | 9.2  |
| 20°   | 8.5   | 7.4  | 7.4    | 7.9  | 8.5    | 8.7  |
| 22.5° | 7.1   | 6.3  | 6.6    | 7.4  | 8.2    | 8.5  |
| 25°   | 6.3   | 5.5  | 6.1    | 6.9  | 7.7    | 8.2  |
| 27.5° | 5.3   | 5.0  | 5.5    | 6.6  | 7.7    | 7.9  |
| 30°   | 4.5   | 4.5  | 5.3    | 6.3  | 7.4    | 7.7  |
| 31°   | 4.2   | 4.2  | 5.3    | 6.3  | 7.4    | 7.7  |
| 32°   | 4.0   | 4.2  | 5.0    | 6.3  | 7.4    | 7.7  |
| 33°   | 3.7   | 4.0  | 5.0    | 6.1  | 7.4    | 7.7  |
| 34°   | 3.4   | 4.0  | 5.0    | 6.1  | 7.4    | 7.7  |
| 35°   | 3.2   | 4.0  | 5.0    | 6.1  | 7.4    | 7.7  |
| 36°   | 2.9   | 3.7  | 4.8    | 6.1  | 7.4    | 7.7  |
| 37°   | 2.6   | 3.7  | 4.8    | 6.1  | 7.4    | 7.7  |
| 38°   | 2.4   | 3.4  | 4.8    | 6.1  | 7.4    | 7.7  |
| 39°   | 2.4   | 3.4  | 4.5    | 6.1  | 7.1    | 7.7  |
| 40°   | 2.1   | 3.2  | 4.5    | 6.1  | 7.1    | 7.7  |
| 41°   | 1.8   | 3.2  | 4.5    | 5.8  | 7.1    | 7.7  |
| 42°   | 1.6   | 2.9  | 4.2    | 5.8  | 7.1    | 7.7  |
| 43°   | 1.3   | 2.9  | 4.2    | 5.8  | 7.1    | 7.7  |
| 44°   | 1.3   | 2.6  | 4.2    | 5.8  | 7.1    | 7.7  |
| 45°   | 1.1   | 2.6  | 4.2    | 5.8  | 7.1    | 7.7  |
| 46°   | 0.8   | 2.6  | 4.2    | 5.8  | 7.1    | 7.7  |
| 47°   | 0.8   | 2.4  | 4.0    | 5.8  | 7.1    | 7.7  |
| 48°   | 0.5   | 2.4  | 4.0    | 5.8  | 7.1    | 7.7  |
| 49°   | 0.5   | 2.4  | 4.0    | 5.8  | 7.1    | 7.9  |
| 50°   | 0.5   | 2.4  | 4.0    | 5.5  | 7.1    | 7.9  |
| 51°   | 0.3   | 2.4  | 4.0    | 5.5  | 7.1    | 7.9  |
| 52°   | 0.3   | 2.4  | 3.7    | 5.5  | 7.4    | 7.9  |
| 53°   | 0.3   | 2.1  | 3.7    | 5.5  | 7.4    | 7.9  |
| 54°   | 0.3   | 2.1  | 3.7    | 5.5  | 7.4    | 7.7  |
| 55°   | 0.3   | 2.1  | 3.7    | 5.5  | 7.1    | 7.7  |
| 56°   | 0.3   | 1.8  | 3.7    | 5.5  | 7.1    | 7.7  |
| 57°   | 0.3   | 1.8  | 3.4    | 5.3  | 7.1    | 7.4  |
| 58°   | 0.3   | 1.8  | 3.4    | 5.3  | 7.1    | 7.4  |
| 59°   | 0.3   | 1.8  | 3.4    | 5.3  | 6.9    | 7.4  |
| 60°   | 0.5   | 1.6  | 3.2    | 5.0  | 6.9    | 7.4  |
| 62.5° | 0.5   | 1.6  | 3.2    | 5.0  | 6.6    | 7.1  |
| 65°   | 0.5   | 1.6  | 2.9    | 4.8  | 6.6    | 7.1  |





TEST NUMBER: P1336860

CATALOG NUMBER: P3A05R209040DE010 E3A451B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.3 | 2.6    | 4.5  | 6.3    | 6.9  |
| 70°   | 0.5   | 1.6 | 2.6    | 4.2  | 6.1    | 6.6  |
| 72.5° | 0.8   | 1.3 | 2.4    | 4.0  | 5.8    | 6.3  |
| 75°   | 0.8   | 1.3 | 2.4    | 3.7  | 5.5    | 5.8  |
| 77.5° | 1.1   | 1.3 | 2.1    | 3.2  | 5.0    | 5.3  |
| 80°   | 1.1   | 1.3 | 1.8    | 2.6  | 4.2    | 4.5  |
| 82.5° | 1.1   | 1.3 | 1.3    | 2.1  | 3.2    | 3.4  |
| 85°   | 0.8   | 1.1 | 1.1    | 1.3  | 2.1    | 2.4  |
| 87.5° | 0.8   | 1.1 | 0.8    | 0.5  | 1.1    | 1.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)