

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: P1336841

Luminaire Tested: P3A05R209035DE010 E3A301B

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R209035DE010 E3A301B  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3A301B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

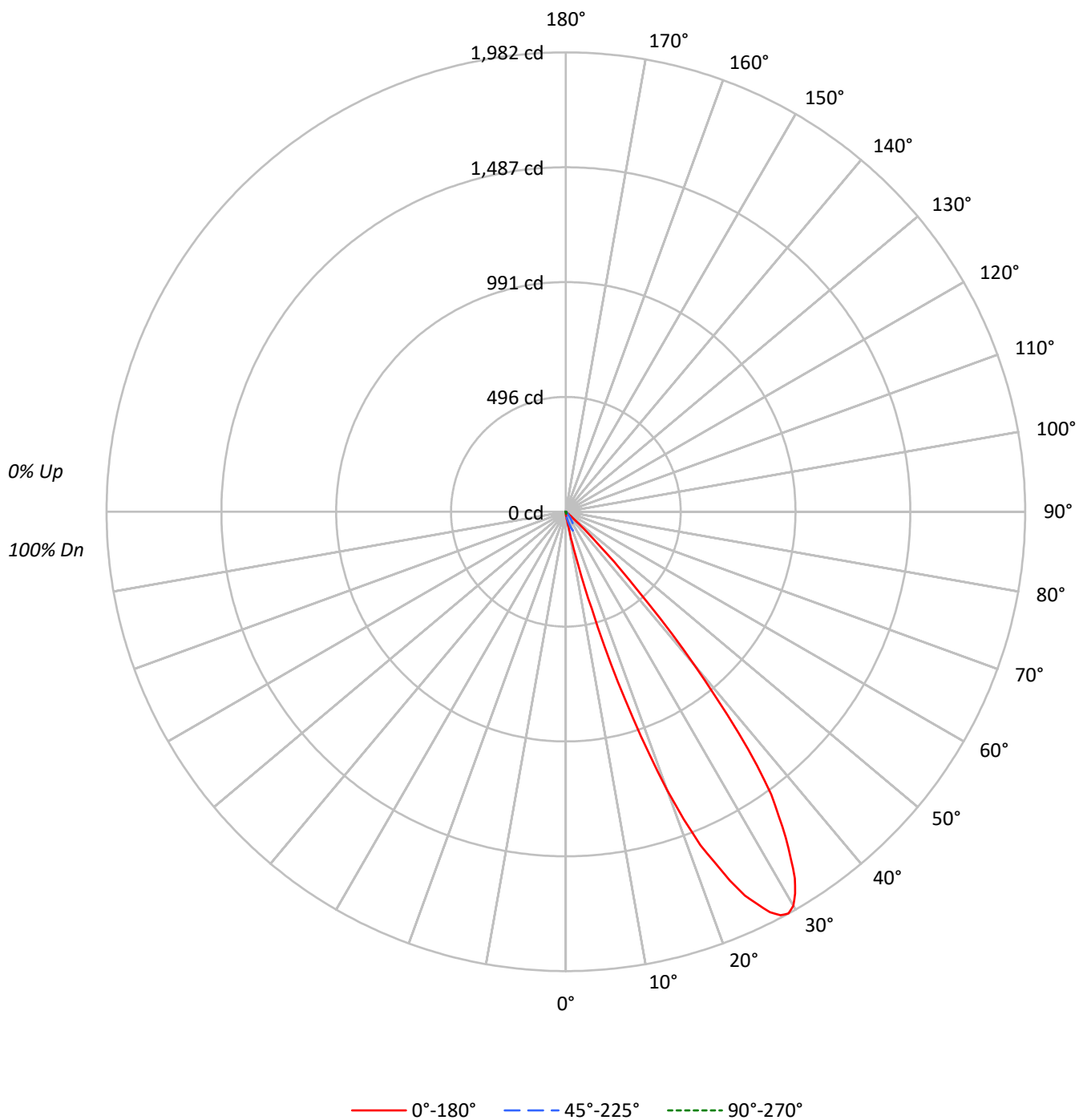
Lumens per Lamp: N/A  
Luminaire Lumens: 278.1 lumens  
Efficiency: N/A  
Efficacy: 38.6 lumens/watt  
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336841

CATALOG NUMBER: P3A05R209035DE010 E3A301B

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2105   | 2105  | 2105 | 2105 | 2105 |
| 5°  | 4821   | 3610  | 2003 | 1211 | 1057 |
| 10° | 15208  | 6279  | 1625 | 668  | 512  |
| 15° | 98593  | 11623 | 1203 | 227  | 68   |
| 20° | 297573 | 19882 | 817  | 0    | 0    |
| 25° | 441921 | 20082 | 484  | 0    | 0    |
| 30° | 496963 | 15268 | 203  | 0    | 0    |
| 35° | 428789 | 9102  | 134  | 0    | 0    |
| 40° | 246920 | 3092  | 0    | 0    | 0    |
| 45° | 60223  | 1240  | 93   | 0    | 93   |
| 50° | 7232   | 341   | 102  | 102  | 273  |
| 55° | 956    | 0     | 191  | 191  | 382  |
| 60° | 132    | 0     | 351  | 351  | 570  |
| 65° | 156    | 156   | 519  | 519  | 778  |
| 70° | 192    | 192   | 641  | 641  | 833  |
| 75° | 0      | 254   | 847  | 678  | 847  |
| 80° | 0      | 379   | 1010 | 631  | 1010 |
| 85° | 0      | 755   | 2013 | 755  | 755  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 60626 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.3    | 0.5       |
| 10°-20°   | 25.8   | 9.3       |
| 20°-30°   | 112.3  | 40.4      |
| 30°-40°   | 113.1  | 40.7      |
| 40°-50°   | 22.7   | 8.2       |
| 50°-60°   | 1.2    | 0.4       |
| 60°-70°   | 0.8    | 0.3       |
| 70°-80°   | 0.7    | 0.2       |
| 80°-90°   | 0.4    | 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       |
| 0°-30°    | 139.3  | 50.1      |
| 0°-40°    | 252.4  | 90.8      |
| 0°-60°    | 276.3  | 99.3      |
| 0°-90°    | 278.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 278.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 10   | 10  | 10  | 10   | 10   |      |
| 5°  | 22   | 16  | 9   | 6    | 5    | 3    |
| 15° | 434  | 51  | 5   | 1    | 0    | 170  |
| 25° | 1826 | 83  | 2   | 0    | 0    | 824  |
| 35° | 1602 | 34  | 0   | 0    | 0    | 953  |
| 45° | 194  | 4   | 0   | 0    | 0    | 211  |
| 55° | 2    | 0   | 0   | 0    | 1    | 5    |
| 65° | 0    | 0   | 1   | 1    | 2    | 0    |
| 75° | 0    | 0   | 1   | 1    | 1    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 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°    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6   | 9.6  |
| 2.5°  | 14.4   | 14.4   | 14.1   | 14.1   | 13.9   | 14.1   | 13.6   | 13.9   | 13.9   | 13.6  | 12.4 |
| 5°    | 21.9   | 22.4   | 22.2   | 22.2   | 21.9   | 22.2   | 21.7   | 21.2   | 20.7   | 20.7  | 16.4 |
| 7.5°  | 36.1   | 35.8   | 35.3   | 35.6   | 34.8   | 34.3   | 33.8   | 33.5   | 32.0   | 31.3  | 21.4 |
| 10°   | 68.3   | 69.9   | 68.6   | 68.3   | 63.8   | 63.6   | 60.5   | 56.2   | 52.5   | 50.4  | 28.2 |
| 12.5° | 188.2  | 196.2  | 183.6  | 177.6  | 174.0  | 160.4  | 154.6  | 139.7  | 125.3  | 114.5 | 35.8 |
| 15°   | 434.3  | 454.2  | 428.8  | 430.5  | 409.3  | 370.5  | 336.5  | 307.2  | 272.6  | 237.8 | 51.2 |
| 17.5° | 851.0  | 834.8  | 820.9  | 797.5  | 754.4  | 697.4  | 624.0  | 549.6  | 485.3  | 417.9 | 71.4 |
| 20°   | 1275.2 | 1260.8 | 1229.3 | 1178.1 | 1123.1 | 1038.6 | 951.3  | 839.6  | 731.4  | 630.0 | 85.2 |
| 21°   | 1421.2 | 1416.4 | 1364.7 | 1333.2 | 1248.4 | 1167.7 | 1067.1 | 947.6  | 825.7  | 705.7 | 87.5 |
| 22°   | 1551.6 | 1522.9 | 1495.1 | 1448.5 | 1364.2 | 1276.4 | 1164.5 | 1038.6 | 906.4  | 773.0 | 87.8 |
| 23°   | 1641.9 | 1628.8 | 1602.6 | 1549.8 | 1466.1 | 1363.0 | 1244.9 | 1113.3 | 974.0  | 820.7 | 87.0 |
| 24°   | 1741.8 | 1725.1 | 1686.8 | 1625.3 | 1540.8 | 1438.9 | 1304.2 | 1173.5 | 1022.2 | 860.8 | 85.0 |
| 25°   | 1826.5 | 1800.5 | 1755.1 | 1688.8 | 1596.5 | 1491.3 | 1355.9 | 1212.4 | 1055.8 | 887.8 | 83.0 |
| 26°   | 1881.5 | 1867.4 | 1809.1 | 1737.0 | 1638.1 | 1529.7 | 1391.5 | 1242.1 | 1077.4 | 900.1 | 79.7 |
| 27°   | 1938.8 | 1912.8 | 1855.5 | 1772.5 | 1665.4 | 1554.6 | 1411.6 | 1256.5 | 1085.0 | 900.6 | 75.7 |
| 28°   | 1971.5 | 1943.3 | 1878.5 | 1791.2 | 1683.0 | 1568.5 | 1423.2 | 1261.1 | 1083.5 | 892.8 | 70.9 |
| 29°   | 1981.9 | 1946.3 | 1883.0 | 1794.2 | 1687.3 | 1569.5 | 1421.5 | 1254.5 | 1070.1 | 873.7 | 65.3 |
| 30°   | 1962.7 | 1926.4 | 1866.4 | 1779.9 | 1673.7 | 1556.9 | 1405.1 | 1232.8 | 1046.4 | 846.2 | 60.3 |
| 31°   | 1920.8 | 1890.1 | 1832.1 | 1745.3 | 1643.4 | 1527.4 | 1368.0 | 1197.2 | 1006.1 | 809.3 | 54.5 |
| 32°   | 1865.6 | 1835.3 | 1778.3 | 1699.9 | 1596.2 | 1479.2 | 1317.3 | 1141.8 | 958.7  | 754.4 | 48.7 |
| 33°   | 1782.6 | 1765.2 | 1714.0 | 1639.1 | 1535.5 | 1410.4 | 1249.2 | 1075.4 | 891.1  | 693.3 | 43.6 |
| 34°   | 1698.6 | 1676.7 | 1640.9 | 1558.9 | 1447.4 | 1322.6 | 1160.4 | 983.9  | 808.6  | 625.0 | 38.8 |
| 35°   | 1601.8 | 1588.7 | 1532.4 | 1466.9 | 1354.9 | 1227.3 | 1066.1 | 894.8  | 712.5  | 548.8 | 34.0 |
| 36°   | 1508.0 | 1487.8 | 1423.7 | 1354.4 | 1245.7 | 1107.7 | 948.6  | 787.7  | 629.5  | 477.4 | 29.0 |
| 37°   | 1371.8 | 1341.0 | 1295.4 | 1222.2 | 1095.1 | 977.6  | 832.3  | 683.0  | 527.4  | 400.3 | 23.5 |
| 38°   | 1211.6 | 1197.2 | 1133.9 | 1060.3 | 955.1  | 843.6  | 699.9  | 573.3  | 435.1  | 334.2 | 17.9 |
| 39°   | 1022.7 | 1022.5 | 961.9  | 908.7  | 805.8  | 705.4  | 575.8  | 465.3  | 359.1  | 269.1 | 13.9 |
| 40°   | 862.6  | 832.8  | 795.5  | 728.6  | 649.7  | 564.5  | 451.0  | 364.2  | 278.7  | 216.9 | 10.8 |
| 42.5° | 452.2  | 449.7  | 427.8  | 377.6  | 333.4  | 283.2  | 225.2  | 187.6  | 146.8  | 119.5 | 6.8  |
| 45°   | 194.2  | 195.5  | 180.3  | 172.8  | 155.6  | 134.7  | 113.7  | 94.8   | 81.2   | 65.8  | 4.0  |
| 47.5° | 49.2   | 47.2   | 46.7   | 48.4   | 48.4   | 46.9   | 42.1   | 39.6   | 36.6   | 33.5  | 2.3  |
| 50°   | 21.2   | 20.7   | 20.2   | 20.2   | 18.9   | 18.2   | 16.9   | 15.4   | 14.1   | 12.6  | 1.0  |
| 52.5° | 7.8    | 8.1    | 8.3    | 8.1    | 8.1    | 7.8    | 7.8    | 7.6    | 6.8    | 6.1   | 0.5  |
| 55°   | 2.5    | 2.5    | 2.5    | 2.8    | 2.8    | 3.0    | 3.0    | 3.0    | 3.0    | 2.8   | 0.0  |
| 57.5° | 0.5    | 0.5    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.0    | 1.0   | 0.0  |
| 60°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.0    | 0.0    | 0.0   | 0.0  |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3  |
| 65°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3  |
| 67.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3  |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3  |
| 72.5° | 0.3    | 0.0    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.3    | 0.0    | 0.3    | 0.3    | 0.0    | 0.3    | 0.3   | 0.3  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3   | 0.3  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.3  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 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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CATALOG NUMBER: P3A05R209035DE010 E3A301B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 0°    | 9.6   | 9.6 | 9.6    | 9.6  | 9.6    | 9.6  |
| 2.5°  | 11.1  | 9.8 | 8.3    | 7.1  | 6.8    | 6.6  |
| 5°    | 12.4  | 9.1 | 6.8    | 5.5  | 5.0    | 4.8  |
| 7.5°  | 13.4  | 8.3 | 5.5    | 4.0  | 3.5    | 3.3  |
| 10°   | 13.9  | 7.3 | 4.5    | 3.0  | 2.3    | 2.3  |
| 12.5° | 14.1  | 6.3 | 3.3    | 2.0  | 1.3    | 1.3  |
| 15°   | 13.9  | 5.3 | 2.5    | 1.0  | 0.3    | 0.3  |
| 17.5° | 12.6  | 4.3 | 1.5    | 0.3  | 0.0    | 0.0  |
| 20°   | 10.8  | 3.5 | 1.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 10.3  | 3.0 | 0.8    | 0.0  | 0.0    | 0.0  |
| 22°   | 9.6   | 2.8 | 0.5    | 0.0  | 0.0    | 0.0  |
| 23°   | 8.8   | 2.5 | 0.5    | 0.0  | 0.0    | 0.0  |
| 24°   | 8.1   | 2.3 | 0.3    | 0.0  | 0.0    | 0.0  |
| 25°   | 7.6   | 2.0 | 0.3    | 0.0  | 0.0    | 0.0  |
| 26°   | 7.1   | 1.8 | 0.3    | 0.0  | 0.0    | 0.0  |
| 27°   | 6.3   | 1.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 5.8   | 1.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 5.0   | 1.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 4.3   | 0.8 | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 3.5   | 0.8 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 3.0   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 2.5   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 2.3   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 2.0   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 1.5   | 0.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 1.3   | 0.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 1.0   | 0.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 0.8   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.8   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.3   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0   | 0.3 | 0.0    | 0.0  | 0.3    | 0.3  |
| 47.5° | 0.0   | 0.3 | 0.0    | 0.0  | 0.3    | 0.5  |
| 50°   | 0.0   | 0.3 | 0.3    | 0.3  | 0.5    | 0.8  |
| 52.5° | 0.0   | 0.5 | 0.3    | 0.3  | 0.8    | 0.8  |
| 55°   | 0.3   | 0.5 | 0.3    | 0.5  | 1.0    | 1.0  |
| 57.5° | 0.3   | 0.5 | 0.5    | 0.8  | 1.0    | 1.3  |
| 60°   | 0.5   | 0.8 | 0.8    | 0.8  | 1.3    | 1.3  |
| 62.5° | 0.5   | 0.8 | 1.0    | 1.0  | 1.3    | 1.5  |
| 65°   | 0.5   | 1.0 | 1.0    | 1.0  | 1.3    | 1.5  |
| 67.5° | 0.8   | 1.0 | 1.0    | 1.0  | 1.3    | 1.5  |
| 70°   | 0.8   | 1.0 | 1.0    | 1.0  | 1.3    | 1.3  |
| 72.5° | 0.8   | 1.0 | 0.8    | 1.0  | 1.0    | 1.3  |
| 75°   | 0.8   | 1.0 | 0.8    | 0.8  | 1.0    | 1.0  |
| 77.5° | 0.5   | 0.8 | 0.8    | 0.5  | 0.8    | 0.8  |
| 80°   | 0.5   | 0.8 | 0.5    | 0.5  | 0.8    | 0.8  |



TEST NUMBER: P1336841

CATALOG NUMBER: P3A05R209035DE010 E3A301B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 0.5   | 0.8 | 0.5    | 0.3  | 0.5    | 0.5  |
| 85°   | 0.5   | 0.8 | 0.5    | 0.3  | 0.3    | 0.3  |
| 87.5° | 0.5   | 0.8 | 0.5    | 0.3  | 0.0    | 0.3  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)