

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: P1336413

Luminaire Tested: P3A05R159730DE010 E3CA451MMS

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R159730DE010 E3CA451MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3CA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

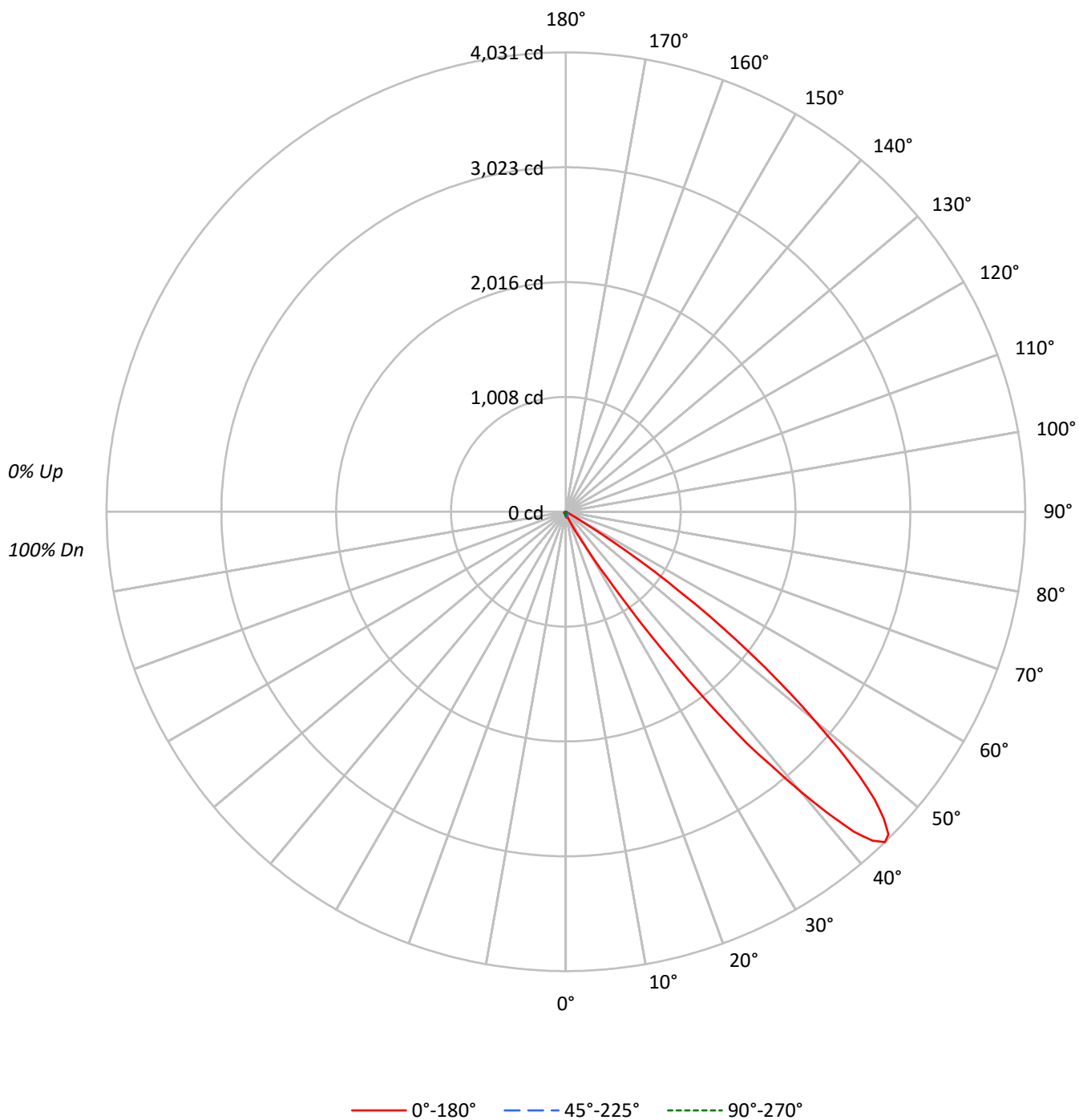
Lumens per Lamp: N/A  
Luminaire Lumens: 450.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.09  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336413

CATALOG NUMBER: P3A05R159730DE010 E3CA451MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1336413

CATALOG NUMBER: P3A05R159730DE010 E3CA451MMS

**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   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 89  | 89  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 75  | 75  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 53  | 53  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 44  | 44  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 31  | 31  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 26  | 26  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 22  | 22  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 19  | 19  | 17  |

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

|     | 0°      | 45°  | 90°  | 135° | 180°  |
|-----|---------|------|------|------|-------|
| 0°  | 8749    | 8749 | 8749 | 8749 | 8749  |
| 5°  | 10874   | 9685 | 7902 | 6912 | 6824  |
| 10° | 10688   | 8283 | 6101 | 5388 | 5500  |
| 15° | 8854    | 5902 | 4381 | 4472 | 4790  |
| 20° | 15401   | 4714 | 3360 | 3874 | 4387  |
| 25° | 34308   | 5637 | 2710 | 3581 | 4137  |
| 30° | 102598  | 6938 | 2380 | 3520 | 4330  |
| 35° | 394926  | 7817 | 2168 | 3614 | 4578  |
| 40° | 916660  | 6813 | 2061 | 3721 | 4895  |
| 45° | 1241586 | 5148 | 1799 | 4031 | 5303  |
| 50° | 973512  | 3070 | 1842 | 4298 | 5833  |
| 55° | 467252  | 1376 | 1720 | 4626 | 6346  |
| 60° | 42716   | 175  | 1579 | 4912 | 7105  |
| 65° | 4670    | 0    | 1401 | 5137 | 7679  |
| 70° | 1154    | 0    | 1731 | 5450 | 8335  |
| 75° | 1101    | 339  | 2288 | 6100 | 9489  |
| 80° | 1137    | 1137 | 2778 | 6188 | 10229 |
| 85° | 1006    | 1006 | 4529 | 5535 | 11322 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1241586 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.4    | 0.8       |
| 10°-20°   | 7.1    | 1.6       |
| 20°-30°   | 17.0   | 3.8       |
| 30°-40°   | 93.1   | 20.7      |
| 40°-50°   | 225.4  | 50.1      |
| 50°-60°   | 89.9   | 20.0      |
| 60°-70°   | 7.8    | 1.7       |
| 70°-80°   | 4.4    | 1.0       |
| 80°-90°   | 1.9    | 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°    | 27.5   | 6.1       |
| 0°-40°    | 120.6  | 26.8      |
| 0°-60°    | 435.9  | 96.9      |
| 0°-90°    | 450.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 450.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 40   | 40  | 40  | 40   | 40   |      |
| 5°  | 49   | 44  | 36  | 31   | 31   | 5    |
| 15° | 39   | 26  | 19  | 20   | 21   | 14   |
| 25° | 142  | 23  | 11  | 15   | 17   | 86   |
| 35° | 1475 | 29  | 8   | 14   | 17   | 1042 |
| 45° | 4004 | 17  | 6   | 13   | 17   | 2824 |
| 55° | 1222 | 4   | 4   | 12   | 17   | 1139 |
| 65° | 9    | 0   | 3   | 10   | 15   | 23   |
| 75° | 1    | 0   | 3   | 7    | 11   | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 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°    | 39.9   | 39.9   | 39.9   | 39.9   | 39.9   | 39.9   | 39.9   | 39.9  | 39.9  | 39.9  | 39.9 |
| 2.5°  | 44.9   | 44.9   | 45.3   | 44.9   | 44.9   | 44.9   | 44.9   | 44.4  | 44.4  | 44.4  | 43.1 |
| 5°    | 49.4   | 49.4   | 49.4   | 49.4   | 48.9   | 48.9   | 48.9   | 48.5  | 48.5  | 48.0  | 44.0 |
| 7.5°  | 51.2   | 51.2   | 50.7   | 50.7   | 50.3   | 50.3   | 49.8   | 49.4  | 48.9  | 48.5  | 42.2 |
| 10°   | 48.0   | 48.0   | 48.0   | 47.6   | 47.6   | 47.1   | 46.7   | 46.2  | 45.8  | 44.9  | 37.2 |
| 12.5° | 42.6   | 42.6   | 43.1   | 42.6   | 42.2   | 41.7   | 40.8   | 40.4  | 39.9  | 39.0  | 31.0 |
| 15°   | 39.0   | 39.0   | 39.0   | 38.6   | 38.1   | 37.2   | 36.8   | 35.9  | 35.4  | 34.1  | 26.0 |
| 17.5° | 49.8   | 49.8   | 49.4   | 48.5   | 46.7   | 45.3   | 43.1   | 41.3  | 39.0  | 36.3  | 22.4 |
| 20°   | 66.0   | 66.0   | 65.1   | 64.2   | 61.9   | 59.7   | 56.1   | 52.9  | 49.4  | 46.2  | 20.2 |
| 22.5° | 95.6   | 96.9   | 94.2   | 91.1   | 87.9   | 82.6   | 77.6   | 72.7  | 66.4  | 61.0  | 20.6 |
| 25°   | 141.8  | 143.1  | 141.8  | 134.6  | 128.8  | 121.6  | 112.2  | 102.3 | 91.5  | 81.7  | 23.3 |
| 27.5° | 229.7  | 230.6  | 228.4  | 210.9  | 201.5  | 182.6  | 166.0  | 149.9 | 131.9 | 114.0 | 25.6 |
| 30°   | 405.2  | 405.6  | 391.3  | 356.3  | 325.3  | 284.0  | 249.0  | 215.4 | 187.1 | 158.4 | 27.4 |
| 31°   | 533.5  | 520.9  | 490.4  | 448.2  | 398.9  | 343.2  | 295.2  | 251.7 | 209.5 | 178.6 | 27.8 |
| 32°   | 677.5  | 675.7  | 625.0  | 551.9  | 485.9  | 416.4  | 344.1  | 288.5 | 240.1 | 197.9 | 28.3 |
| 33°   | 868.2  | 869.1  | 789.2  | 703.1  | 595.0  | 501.6  | 407.0  | 330.7 | 272.4 | 220.8 | 29.2 |
| 34°   | 1166.2 | 1096.2 | 1002.4 | 885.7  | 738.5  | 598.1  | 475.2  | 379.6 | 301.5 | 242.7 | 29.2 |
| 35°   | 1475.3 | 1404.9 | 1301.7 | 1124.9 | 923.0  | 726.4  | 556.4  | 432.1 | 336.5 | 266.5 | 29.2 |
| 36°   | 1821.7 | 1762.0 | 1605.9 | 1380.2 | 1122.6 | 847.6  | 642.5  | 492.7 | 371.1 | 288.1 | 28.7 |
| 37°   | 2195.9 | 2108.4 | 1935.2 | 1688.9 | 1344.3 | 1018.1 | 747.5  | 552.8 | 405.6 | 311.4 | 27.8 |
| 38°   | 2575.9 | 2497.0 | 2278.5 | 1980.1 | 1609.0 | 1198.0 | 852.5  | 610.7 | 437.5 | 328.9 | 26.5 |
| 39°   | 2864.0 | 2820.9 | 2604.2 | 2270.8 | 1820.3 | 1368.5 | 960.7  | 672.6 | 471.1 | 346.4 | 25.1 |
| 40°   | 3202.3 | 3132.8 | 2927.3 | 2514.9 | 2070.3 | 1542.2 | 1066.5 | 727.3 | 498.9 | 360.3 | 23.8 |
| 41°   | 3511.0 | 3423.1 | 3163.7 | 2765.3 | 2270.4 | 1698.3 | 1167.0 | 783.9 | 521.4 | 368.4 | 22.9 |
| 42°   | 3775.7 | 3673.4 | 3402.4 | 2979.8 | 2437.7 | 1823.0 | 1247.4 | 824.2 | 542.5 | 375.1 | 21.5 |
| 43°   | 3947.1 | 3858.8 | 3592.2 | 3140.8 | 2580.9 | 1937.5 | 1322.3 | 866.4 | 555.5 | 379.6 | 19.7 |
| 44°   | 4030.6 | 3941.3 | 3683.3 | 3241.8 | 2668.8 | 2006.1 | 1370.8 | 895.6 | 569.8 | 385.4 | 18.4 |
| 45°   | 4003.7 | 3913.0 | 3663.6 | 3243.6 | 2696.2 | 2030.8 | 1391.4 | 908.6 | 577.5 | 390.8 | 16.6 |
| 46°   | 3880.3 | 3816.6 | 3565.3 | 3159.2 | 2644.1 | 2004.3 | 1379.7 | 898.7 | 574.8 | 390.8 | 14.8 |
| 47°   | 3707.1 | 3634.4 | 3395.3 | 3014.3 | 2518.1 | 1936.1 | 1332.6 | 868.7 | 558.2 | 381.8 | 13.0 |
| 48°   | 3471.1 | 3409.2 | 3157.9 | 2784.1 | 2324.7 | 1787.6 | 1226.3 | 819.8 | 532.1 | 364.3 | 11.2 |
| 49°   | 3174.9 | 3088.8 | 2855.0 | 2489.8 | 2072.5 | 1576.7 | 1086.7 | 737.2 | 490.4 | 339.7 | 9.9  |
| 50°   | 2853.7 | 2747.3 | 2567.0 | 2195.0 | 1811.8 | 1351.9 | 903.2  | 623.2 | 431.6 | 307.4 | 9.0  |
| 51°   | 2539.1 | 2431.0 | 2259.2 | 1942.8 | 1533.6 | 1121.7 | 728.7  | 497.6 | 355.4 | 262.9 | 7.6  |
| 52°   | 2213.0 | 2122.3 | 1929.8 | 1681.3 | 1312.9 | 909.1  | 607.1  | 420.9 | 295.2 | 220.8 | 6.3  |
| 53°   | 1888.1 | 1826.2 | 1643.1 | 1391.4 | 1054.9 | 742.6  | 495.8  | 360.3 | 257.5 | 188.9 | 4.9  |
| 54°   | 1562.8 | 1495.0 | 1355.9 | 1131.6 | 850.3  | 586.0  | 420.4  | 301.5 | 223.4 | 164.7 | 4.5  |
| 55°   | 1222.2 | 1187.2 | 1058.9 | 862.8  | 644.3  | 467.5  | 341.0  | 259.3 | 187.1 | 137.7 | 3.6  |
| 56°   | 941.4  | 901.9  | 784.8  | 625.9  | 478.8  | 366.1  | 275.9  | 211.8 | 158.4 | 115.3 | 2.7  |
| 57°   | 616.5  | 576.1  | 498.5  | 437.0  | 348.6  | 267.0  | 210.9  | 166.9 | 128.8 | 95.6  | 2.2  |
| 58°   | 364.3  | 327.5  | 315.4  | 269.2  | 232.4  | 181.3  | 155.7  | 124.3 | 95.1  | 75.4  | 1.3  |
| 59°   | 167.4  | 170.1  | 151.2  | 141.8  | 128.8  | 115.3  | 94.7   | 83.0  | 65.1  | 54.3  | 0.9  |
| 60°   | 97.4   | 92.0   | 89.7   | 80.3   | 71.3   | 63.3   | 57.0   | 50.3  | 40.8  | 35.0  | 0.4  |
| 62.5° | 33.2   | 31.9   | 32.8   | 29.6   | 27.8   | 26.9   | 24.7   | 21.1  | 17.5  | 14.4  | 0.0  |
| 65°   | 9.0    | 9.0    | 8.5    | 8.1    | 7.6    | 7.2    | 6.7    | 5.8   | 5.4   | 4.5   | 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° | 3.1 | 3.1  | 2.7 | 2.7  | 2.2 | 2.2   | 1.8 | 1.8   | 1.3 | 1.3   | 0.0 |
| 70°   | 1.8 | 1.8  | 1.8 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.4   | 0.0 |
| 72.5° | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 |
| 75°   | 1.3 | 1.3  | 1.3 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.4 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.4   | 0.9 |
| 82.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.9 |
| 85°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 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°    | 39.9  | 39.9 | 39.9   | 39.9 | 39.9   | 39.9 |
| 2.5°  | 41.3  | 39.5 | 37.2   | 35.9 | 35.4   | 35.0 |
| 5°    | 39.5  | 35.9 | 33.2   | 31.4 | 31.0   | 31.0 |
| 7.5°  | 35.4  | 31.4 | 28.7   | 27.8 | 27.4   | 27.4 |
| 10°   | 31.0  | 27.4 | 25.1   | 24.2 | 24.7   | 24.7 |
| 12.5° | 26.0  | 22.9 | 22.0   | 22.0 | 22.4   | 22.9 |
| 15°   | 21.1  | 19.3 | 19.3   | 19.7 | 20.6   | 21.1 |
| 17.5° | 17.5  | 16.6 | 17.1   | 17.9 | 18.8   | 19.7 |
| 20°   | 14.4  | 14.4 | 15.3   | 16.6 | 17.9   | 18.8 |
| 22.5° | 12.1  | 12.6 | 13.9   | 15.3 | 17.1   | 17.9 |
| 25°   | 10.3  | 11.2 | 12.6   | 14.8 | 16.6   | 17.1 |
| 27.5° | 9.0   | 10.3 | 12.1   | 14.4 | 16.2   | 17.1 |
| 30°   | 7.6   | 9.4  | 11.7   | 13.9 | 16.2   | 17.1 |
| 31°   | 7.2   | 9.0  | 11.2   | 13.9 | 16.2   | 17.1 |
| 32°   | 6.7   | 9.0  | 11.2   | 13.9 | 16.2   | 17.1 |
| 33°   | 6.3   | 8.5  | 11.2   | 13.5 | 16.2   | 17.1 |
| 34°   | 5.8   | 8.5  | 11.2   | 13.9 | 16.2   | 17.1 |
| 35°   | 5.4   | 8.1  | 10.8   | 13.5 | 15.7   | 17.1 |
| 36°   | 4.9   | 8.1  | 10.8   | 13.5 | 16.2   | 17.1 |
| 37°   | 4.5   | 8.1  | 10.8   | 13.5 | 15.7   | 17.1 |
| 38°   | 4.5   | 7.6  | 10.3   | 13.5 | 15.7   | 17.1 |
| 39°   | 4.0   | 7.2  | 10.3   | 13.5 | 15.7   | 17.1 |
| 40°   | 3.6   | 7.2  | 9.9    | 13.0 | 15.7   | 17.1 |
| 41°   | 3.1   | 6.7  | 9.9    | 13.0 | 15.7   | 17.1 |
| 42°   | 2.7   | 6.7  | 9.9    | 13.0 | 15.7   | 17.1 |
| 43°   | 2.2   | 6.3  | 9.4    | 13.0 | 15.7   | 17.1 |
| 44°   | 2.2   | 6.3  | 9.4    | 13.0 | 15.7   | 17.1 |
| 45°   | 1.8   | 5.8  | 9.0    | 13.0 | 15.7   | 17.1 |
| 46°   | 1.8   | 5.8  | 9.0    | 12.6 | 15.7   | 17.1 |
| 47°   | 1.3   | 5.8  | 9.0    | 12.6 | 15.7   | 17.1 |
| 48°   | 1.3   | 5.4  | 9.0    | 12.6 | 15.7   | 17.1 |
| 49°   | 0.9   | 5.4  | 9.0    | 12.6 | 15.7   | 17.1 |
| 50°   | 0.9   | 5.4  | 8.5    | 12.6 | 15.7   | 17.1 |
| 51°   | 0.9   | 5.4  | 8.5    | 12.6 | 15.7   | 17.1 |
| 52°   | 0.9   | 4.9  | 8.5    | 12.6 | 15.7   | 17.1 |
| 53°   | 0.9   | 4.9  | 8.5    | 12.6 | 15.7   | 17.1 |
| 54°   | 0.9   | 4.9  | 8.1    | 12.6 | 15.7   | 17.1 |
| 55°   | 0.9   | 4.5  | 8.1    | 12.1 | 15.7   | 16.6 |
| 56°   | 0.9   | 4.5  | 8.1    | 12.1 | 15.7   | 16.6 |
| 57°   | 0.9   | 4.5  | 7.6    | 12.1 | 15.7   | 16.6 |
| 58°   | 0.9   | 4.0  | 7.6    | 11.7 | 15.3   | 16.6 |
| 59°   | 0.9   | 4.0  | 7.2    | 11.7 | 15.3   | 16.2 |
| 60°   | 0.9   | 3.6  | 7.2    | 11.2 | 14.8   | 16.2 |
| 62.5° | 0.9   | 3.1  | 6.3    | 10.8 | 14.4   | 15.3 |
| 65°   | 0.9   | 2.7  | 5.8    | 9.9  | 13.9   | 14.8 |





TEST NUMBER: P1336413

CATALOG NUMBER: P3A05R159730DE010 E3CA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.7 | 5.4    | 9.4  | 13.0   | 14.4 |
| 70°   | 0.9   | 2.7 | 4.9    | 8.5  | 12.6   | 13.0 |
| 72.5° | 1.3   | 2.7 | 4.5    | 8.1  | 11.7   | 12.1 |
| 75°   | 1.8   | 2.7 | 4.0    | 7.2  | 10.8   | 11.2 |
| 77.5° | 1.8   | 2.7 | 3.6    | 6.3  | 9.4    | 9.9  |
| 80°   | 1.8   | 2.2 | 3.1    | 4.9  | 7.6    | 8.1  |
| 82.5° | 1.8   | 2.2 | 2.2    | 4.0  | 5.8    | 6.3  |
| 85°   | 1.3   | 1.8 | 1.8    | 2.2  | 4.0    | 4.5  |
| 87.5° | 1.3   | 1.8 | 0.9    | 1.3  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)