

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: P1337413

Luminaire Tested: P3A05R259730DE010 E3CA451MMS

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337413  
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 E3CA451MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3CA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

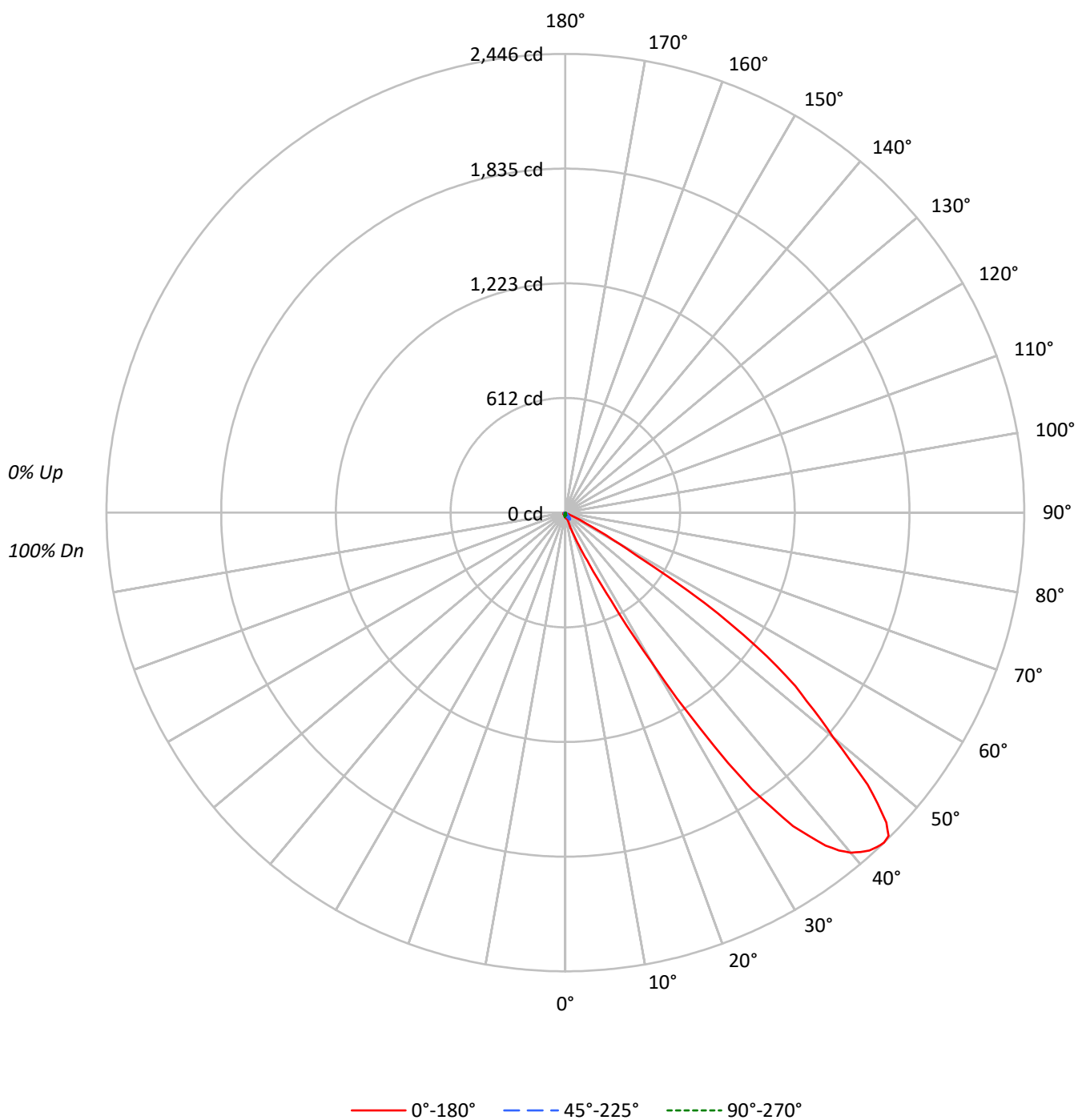
Lumens per Lamp: N/A  
Luminaire Lumens: 509.9 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1337413

CATALOG NUMBER: P3A05R259730DE010 E3CA451MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1337413

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5701   | 5701  | 5701 | 5701 | 5701 |
| 5°  | 6516   | 6229  | 5525 | 4931 | 4843 |
| 10° | 6502   | 5901  | 4698 | 4097 | 4097 |
| 15° | 7242   | 5085  | 3678 | 3473 | 3678 |
| 20° | 25552  | 5017  | 2824 | 2940 | 3244 |
| 25° | 73504  | 6412  | 2274 | 2710 | 3145 |
| 30° | 234542 | 9875  | 1823 | 2608 | 3190 |
| 35° | 513701 | 11645 | 1553 | 2516 | 3239 |
| 40° | 677670 | 10534 | 1288 | 2576 | 3464 |
| 45° | 755706 | 7381  | 1240 | 2791 | 3752 |
| 50° | 636124 | 3821  | 1228 | 2900 | 4128 |
| 55° | 475586 | 1529  | 1185 | 3250 | 4626 |
| 60° | 147225 | 395   | 1184 | 3552 | 5131 |
| 65° | 12556  | 0     | 1401 | 3736 | 5604 |
| 70° | 833    | 256   | 1410 | 4296 | 6347 |
| 75° | 763    | 339   | 1864 | 4575 | 7202 |
| 80° | 505    | 505   | 2778 | 5051 | 8461 |
| 85° | 1006   | 1006  | 4529 | 5535 | 9057 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 755706 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.3    | 0.5       |
| 10°-20°   | 6.0    | 1.2       |
| 20°-30°   | 28.2   | 5.5       |
| 30°-40°   | 135.8  | 26.6      |
| 40°-50°   | 212.9  | 41.8      |
| 50°-60°   | 109.2  | 21.4      |
| 60°-70°   | 10.3   | 2.0       |
| 70°-80°   | 3.4    | 0.7       |
| 80°-90°   | 1.7    | 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°    | 36.6   | 7.2       |
| 0°-40°    | 172.4  | 33.8      |
| 0°-60°    | 494.5  | 97.0      |
| 0°-90°    | 509.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 509.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 26   | 26  | 26  | 26   | 26   |      |
| 5°  | 30   | 28  | 25  | 22   | 22   | 3    |
| 15° | 32   | 22  | 16  | 15   | 16   | 13   |
| 25° | 304  | 26  | 9   | 11   | 13   | 188  |
| 35° | 1919 | 44  | 6   | 9    | 12   | 1165 |
| 45° | 2437 | 24  | 4   | 9    | 12   | 1783 |
| 55° | 1244 | 4   | 3   | 8    | 12   | 1036 |
| 65° | 24   | 0   | 3   | 7    | 11   | 76   |
| 75° | 1    | 0   | 2   | 5    | 8    | 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°    | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0  | 26.0 |
| 2.5°  | 28.3   | 28.3   | 28.3   | 28.3   | 28.3   | 28.3   | 27.8   | 27.8   | 28.3   | 27.8  | 27.8 |
| 5°    | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.2   | 29.2   | 29.2  | 28.3 |
| 7.5°  | 30.1   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   | 29.2   | 29.2  | 27.8 |
| 10°   | 29.2   | 29.2   | 29.2   | 29.2   | 28.7   | 28.7   | 28.7   | 28.3   | 28.3   | 28.3  | 26.5 |
| 12.5° | 29.2   | 29.2   | 29.2   | 29.2   | 28.7   | 28.7   | 28.3   | 28.3   | 27.8   | 27.4  | 24.2 |
| 15°   | 31.9   | 31.9   | 31.9   | 31.4   | 31.0   | 30.5   | 30.1   | 29.6   | 29.2   | 28.3  | 22.4 |
| 17.5° | 46.7   | 45.3   | 44.9   | 43.1   | 40.8   | 38.6   | 36.8   | 35.0   | 33.2   | 31.9  | 21.5 |
| 20°   | 109.5  | 109.1  | 106.8  | 101.4  | 95.6   | 88.9   | 82.1   | 74.5   | 63.7   | 56.5  | 21.5 |
| 22.5° | 189.8  | 187.1  | 183.1  | 179.1  | 168.7  | 156.6  | 144.1  | 129.7  | 115.8  | 101.0 | 22.9 |
| 25°   | 303.8  | 310.1  | 296.6  | 285.9  | 267.9  | 245.9  | 222.2  | 202.4  | 177.3  | 153.9 | 26.5 |
| 27.5° | 528.2  | 532.3  | 505.8  | 470.8  | 429.0  | 382.8  | 337.9  | 304.3  | 262.1  | 223.5 | 33.2 |
| 30°   | 926.3  | 930.3  | 885.9  | 811.4  | 725.2  | 649.4  | 546.6  | 456.4  | 373.4  | 309.2 | 39.0 |
| 31°   | 1156.1 | 1124.7 | 1073.1 | 1000.8 | 891.7  | 777.3  | 653.9  | 544.8  | 439.8  | 355.4 | 40.8 |
| 32°   | 1355.8 | 1353.1 | 1293.0 | 1183.5 | 1073.9 | 932.6  | 779.5  | 637.3  | 508.5  | 402.1 | 42.2 |
| 33°   | 1591.4 | 1573.5 | 1488.6 | 1385.4 | 1240.5 | 1098.2 | 900.7  | 738.3  | 578.9  | 454.2 | 43.1 |
| 34°   | 1780.3 | 1731.9 | 1696.9 | 1578.8 | 1425.8 | 1244.5 | 1033.1 | 845.1  | 666.9  | 504.4 | 43.5 |
| 35°   | 1919.0 | 1908.7 | 1840.5 | 1730.5 | 1574.8 | 1389.4 | 1175.8 | 955.9  | 740.5  | 562.8 | 43.5 |
| 36°   | 2065.8 | 2033.9 | 1967.5 | 1867.9 | 1716.2 | 1524.5 | 1284.9 | 1052.0 | 826.2  | 615.3 | 43.1 |
| 37°   | 2157.8 | 2138.9 | 2073.0 | 1970.2 | 1821.6 | 1638.5 | 1407.0 | 1153.4 | 894.4  | 667.8 | 42.2 |
| 38°   | 2252.5 | 2214.3 | 2149.2 | 2051.0 | 1905.1 | 1733.2 | 1495.4 | 1231.5 | 957.3  | 714.0 | 40.8 |
| 39°   | 2318.0 | 2278.5 | 2212.1 | 2114.2 | 1971.5 | 1801.0 | 1565.4 | 1297.9 | 1012.0 | 748.6 | 39.0 |
| 40°   | 2367.4 | 2329.2 | 2261.9 | 2161.4 | 2020.4 | 1854.4 | 1623.7 | 1356.7 | 1057.8 | 778.6 | 36.8 |
| 41°   | 2397.9 | 2362.4 | 2295.6 | 2195.5 | 2054.1 | 1884.9 | 1661.9 | 1394.8 | 1088.8 | 798.8 | 34.6 |
| 42°   | 2423.5 | 2387.1 | 2318.9 | 2216.6 | 2074.7 | 1910.9 | 1685.2 | 1419.1 | 1109.9 | 809.2 | 32.8 |
| 43°   | 2437.8 | 2401.5 | 2335.0 | 2230.5 | 2087.3 | 1923.1 | 1697.8 | 1430.3 | 1117.0 | 807.8 | 29.6 |
| 44°   | 2445.9 | 2408.2 | 2341.3 | 2236.8 | 2092.7 | 1926.2 | 1698.7 | 1428.0 | 1112.1 | 797.0 | 26.9 |
| 45°   | 2436.9 | 2399.7 | 2335.0 | 2230.5 | 2083.3 | 1916.3 | 1689.7 | 1415.9 | 1093.2 | 776.0 | 23.8 |
| 46°   | 2378.6 | 2349.9 | 2290.6 | 2194.6 | 2053.7 | 1891.2 | 1666.8 | 1392.6 | 1064.1 | 749.9 | 20.2 |
| 47°   | 2275.8 | 2252.9 | 2195.5 | 2124.1 | 1996.7 | 1845.0 | 1624.6 | 1348.2 | 1023.2 | 710.9 | 16.2 |
| 48°   | 2168.5 | 2134.9 | 2081.5 | 2008.3 | 1900.6 | 1761.9 | 1555.1 | 1283.1 | 961.3  | 659.7 | 14.4 |
| 49°   | 2010.1 | 1990.4 | 1943.3 | 1861.6 | 1772.3 | 1650.2 | 1456.8 | 1199.6 | 885.5  | 604.1 | 12.6 |
| 50°   | 1864.7 | 1851.3 | 1785.3 | 1725.1 | 1630.4 | 1516.5 | 1323.5 | 1089.7 | 791.2  | 535.0 | 11.2 |
| 51°   | 1751.2 | 1735.0 | 1687.4 | 1612.5 | 1511.5 | 1379.1 | 1197.4 | 946.9  | 683.1  | 452.8 | 9.0  |
| 52°   | 1632.7 | 1623.7 | 1581.5 | 1504.3 | 1405.2 | 1273.2 | 1074.8 | 825.8  | 578.0  | 382.8 | 7.2  |
| 53°   | 1535.8 | 1522.7 | 1471.1 | 1402.5 | 1295.2 | 1158.8 | 942.0  | 713.1  | 489.6  | 321.8 | 6.3  |
| 54°   | 1394.4 | 1389.0 | 1355.8 | 1284.0 | 1167.7 | 1019.2 | 821.7  | 600.5  | 408.4  | 272.9 | 5.4  |
| 55°   | 1244.0 | 1226.1 | 1192.4 | 1135.4 | 1028.6 | 889.9  | 682.6  | 497.7  | 330.3  | 229.8 | 4.0  |
| 56°   | 1060.9 | 1060.0 | 999.9  | 952.3  | 857.6  | 710.4  | 545.3  | 388.7  | 268.4  | 191.6 | 3.6  |
| 57°   | 885.9  | 857.6  | 799.7  | 752.6  | 650.7  | 539.0  | 404.8  | 291.3  | 210.0  | 155.3 | 2.7  |
| 58°   | 655.2  | 640.4  | 625.2  | 556.0  | 461.8  | 381.9  | 289.0  | 204.6  | 155.3  | 118.5 | 1.8  |
| 59°   | 444.7  | 444.3  | 426.3  | 373.8  | 319.5  | 237.9  | 180.4  | 139.1  | 106.8  | 87.1  | 1.3  |
| 60°   | 335.7  | 327.6  | 291.7  | 257.2  | 201.1  | 150.3  | 106.8  | 82.1   | 66.4   | 56.1  | 0.9  |
| 62.5° | 117.6  | 122.1  | 107.3  | 88.9   | 67.8   | 55.6   | 42.6   | 34.6   | 28.3   | 22.9  | 0.0  |
| 65°   | 24.2   | 26.5   | 22.9   | 21.5   | 17.1   | 14.8   | 13.0   | 11.2   | 9.4    | 8.1   | 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° | 3.1 | 2.7  | 2.7 | 2.7  | 2.2 | 2.2   | 2.2 | 2.2   | 1.8 | 1.8   | 0.4 |
| 70°   | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.9   | 0.4 |
| 72.5° | 1.3 | 1.3  | 1.3 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 |
| 75°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 | 0.4   | 0.4 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 80°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 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 | 0.0  | 0.0 | 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°    | 26.0  | 26.0 | 26.0   | 26.0 | 26.0   | 26.0 |
| 2.5°  | 27.4  | 26.5 | 25.1   | 24.7 | 24.2   | 24.2 |
| 5°    | 26.9  | 25.1 | 23.8   | 22.4 | 22.0   | 22.0 |
| 7.5°  | 25.6  | 23.3 | 21.5   | 20.6 | 20.2   | 19.7 |
| 10°   | 24.2  | 21.1 | 19.3   | 18.4 | 18.4   | 18.4 |
| 12.5° | 21.5  | 18.8 | 17.1   | 16.6 | 17.1   | 17.1 |
| 15°   | 19.3  | 16.2 | 15.3   | 15.3 | 15.7   | 16.2 |
| 17.5° | 16.6  | 14.4 | 13.5   | 13.9 | 14.4   | 14.8 |
| 20°   | 14.8  | 12.1 | 12.1   | 12.6 | 13.9   | 13.9 |
| 22.5° | 13.0  | 10.8 | 10.8   | 12.1 | 13.0   | 13.5 |
| 25°   | 11.7  | 9.4  | 9.9    | 11.2 | 12.6   | 13.0 |
| 27.5° | 9.9   | 8.1  | 9.0    | 10.8 | 12.1   | 12.6 |
| 30°   | 8.5   | 7.2  | 8.5    | 10.3 | 11.7   | 12.6 |
| 31°   | 8.1   | 6.7  | 8.5    | 9.9  | 11.7   | 12.6 |
| 32°   | 7.2   | 6.7  | 8.1    | 9.9  | 11.7   | 12.1 |
| 33°   | 6.7   | 6.3  | 8.1    | 9.9  | 11.7   | 12.1 |
| 34°   | 6.3   | 5.8  | 7.6    | 9.9  | 11.7   | 12.1 |
| 35°   | 5.4   | 5.8  | 7.6    | 9.4  | 11.2   | 12.1 |
| 36°   | 4.9   | 5.4  | 7.6    | 9.4  | 11.2   | 12.1 |
| 37°   | 4.5   | 5.4  | 7.2    | 9.4  | 11.2   | 12.1 |
| 38°   | 4.0   | 4.9  | 7.2    | 9.4  | 11.2   | 12.1 |
| 39°   | 3.6   | 4.9  | 6.7    | 9.4  | 11.2   | 12.1 |
| 40°   | 3.1   | 4.5  | 6.7    | 9.0  | 11.2   | 12.1 |
| 41°   | 3.1   | 4.5  | 6.7    | 9.0  | 11.2   | 12.1 |
| 42°   | 2.7   | 4.5  | 6.7    | 9.0  | 11.2   | 12.1 |
| 43°   | 2.2   | 4.0  | 6.7    | 9.0  | 11.2   | 12.1 |
| 44°   | 1.8   | 4.0  | 6.3    | 9.0  | 11.2   | 12.1 |
| 45°   | 1.8   | 4.0  | 6.3    | 9.0  | 11.2   | 12.1 |
| 46°   | 1.3   | 3.6  | 6.3    | 9.0  | 11.2   | 12.1 |
| 47°   | 0.9   | 3.6  | 6.3    | 8.5  | 11.2   | 12.1 |
| 48°   | 0.9   | 3.6  | 6.3    | 8.5  | 11.2   | 12.1 |
| 49°   | 0.9   | 3.6  | 5.8    | 8.5  | 11.2   | 12.1 |
| 50°   | 0.9   | 3.6  | 5.8    | 8.5  | 11.2   | 12.1 |
| 51°   | 0.4   | 3.1  | 5.8    | 8.5  | 11.2   | 12.1 |
| 52°   | 0.4   | 3.1  | 5.8    | 8.5  | 11.2   | 12.6 |
| 53°   | 0.4   | 3.1  | 5.8    | 8.5  | 11.2   | 12.1 |
| 54°   | 0.4   | 3.1  | 5.4    | 8.5  | 11.2   | 12.1 |
| 55°   | 0.4   | 3.1  | 5.4    | 8.5  | 11.2   | 12.1 |
| 56°   | 0.4   | 2.7  | 5.4    | 8.1  | 11.2   | 12.1 |
| 57°   | 0.9   | 2.7  | 5.4    | 8.1  | 11.2   | 11.7 |
| 58°   | 0.9   | 2.7  | 5.4    | 8.1  | 10.8   | 11.7 |
| 59°   | 0.9   | 2.7  | 5.4    | 8.1  | 10.8   | 11.7 |
| 60°   | 0.9   | 2.7  | 4.9    | 8.1  | 10.8   | 11.7 |
| 62.5° | 0.9   | 2.7  | 4.9    | 7.6  | 10.3   | 11.2 |
| 65°   | 0.9   | 2.7  | 4.5    | 7.2  | 10.3   | 10.8 |



TEST NUMBER: P1337413

CATALOG NUMBER: P3A05R259730DE010 E3CA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.2 | 4.5    | 6.7  | 9.9    | 10.3 |
| 70°   | 1.3   | 2.2 | 4.0    | 6.7  | 9.4    | 9.9  |
| 72.5° | 1.3   | 2.2 | 4.0    | 5.8  | 8.5    | 9.4  |
| 75°   | 1.3   | 2.2 | 3.6    | 5.4  | 8.1    | 8.5  |
| 77.5° | 1.3   | 2.2 | 3.1    | 4.9  | 7.2    | 7.6  |
| 80°   | 1.8   | 2.2 | 2.7    | 4.0  | 6.3    | 6.7  |
| 82.5° | 1.8   | 2.2 | 2.2    | 3.1  | 4.9    | 5.4  |
| 85°   | 1.3   | 1.8 | 1.8    | 2.2  | 3.1    | 3.6  |
| 87.5° | 1.3   | 1.8 | 1.3    | 0.9  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)