

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: P1336353

Luminaire Tested: P3A05R159035DE010 E3CA451MMS

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336353  
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: P3A05R159035DE010 E3CA451MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3CA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

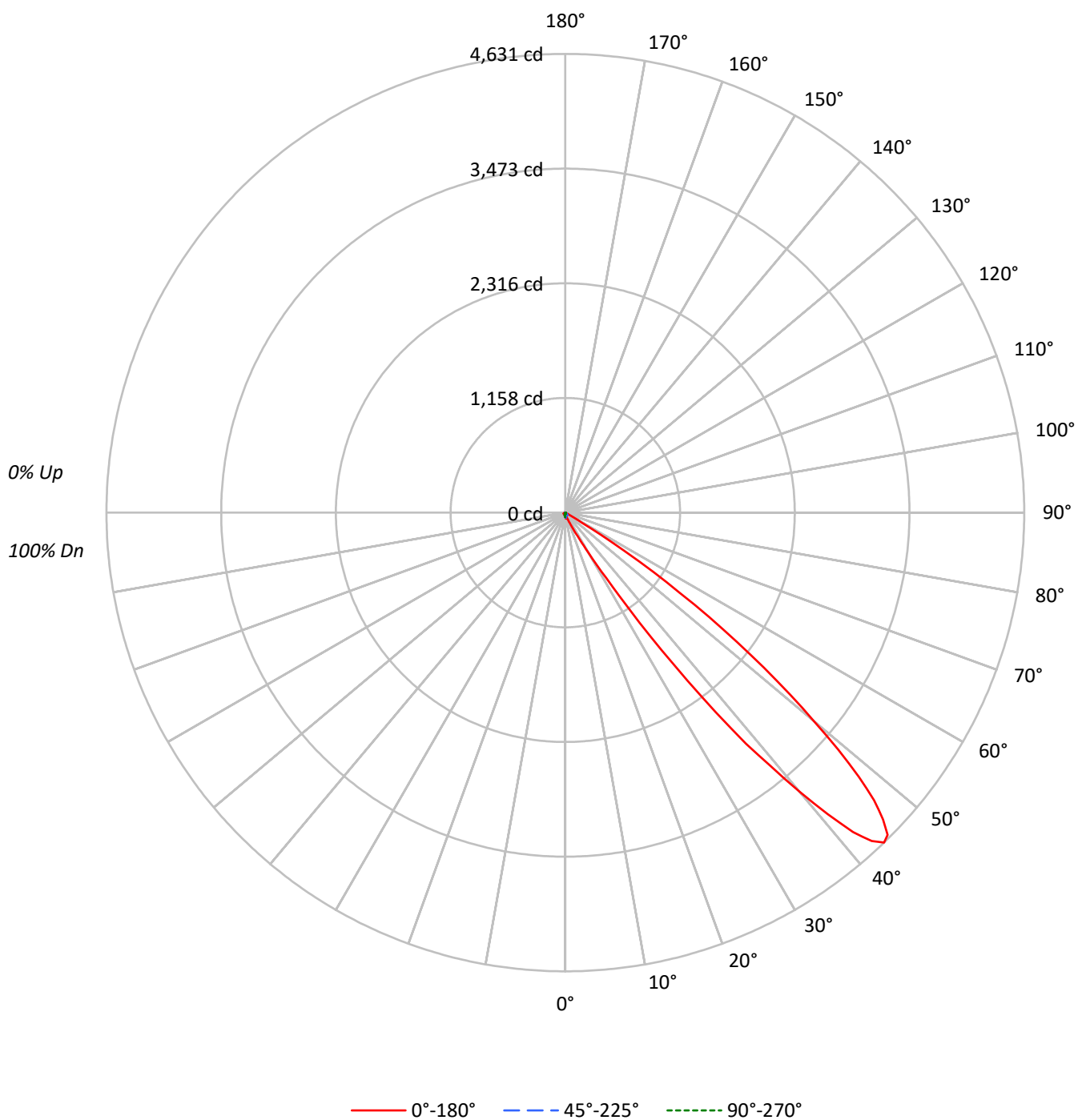
Lumens per Lamp: N/A  
Luminaire Lumens: 517.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.09  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336353

CATALOG NUMBER: P3A05R159035DE010 E3CA451MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1336353

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |
| 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 | 100 | 100 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  | 87  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  | 73  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  | 61  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  | 50  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  | 42  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  | 35  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  | 29  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  | 24  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  | 20  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  | 17  | 17  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 10065   | 10065 | 10065 | 10065 | 10065 |
| 5°  | 12481   | 11116 | 9069  | 7946  | 7836  |
| 10° | 12291   | 9530  | 6992  | 6190  | 6324  |
| 15° | 10170   | 6788  | 5040  | 5153  | 5494  |
| 20° | 17688   | 5414  | 3850  | 4457  | 5064  |
| 25° | 39414   | 6484  | 3121  | 4113  | 4742  |
| 30° | 117866  | 7951  | 2735  | 4051  | 4963  |
| 35° | 453738  | 8968  | 2490  | 4149  | 5247  |
| 40° | 1053145 | 7815  | 2347  | 4265  | 5611  |
| 45° | 1426443 | 5923  | 2078  | 4621  | 6078  |
| 50° | 1118462 | 3514  | 2115  | 4912  | 6686  |
| 55° | 536832  | 1567  | 1988  | 5314  | 7302  |
| 60° | 49075   | 219   | 1798  | 5657  | 8157  |
| 65° | 5344    | 0     | 1608  | 5863  | 8821  |
| 70° | 1346    | 0     | 1988  | 6283  | 9553  |
| 75° | 1271    | 424   | 2626  | 6947  | 10929 |
| 80° | 1263    | 1263  | 3283  | 7198  | 11744 |
| 85° | 1258    | 1258  | 5284  | 6542  | 13083 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1426443 cd/sqm

TEST NUMBER: P1336353

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.9    | 0.8       |
| 10°-20°   | 8.2    | 1.6       |
| 20°-30°   | 19.5   | 3.8       |
| 30°-40°   | 106.9  | 20.7      |
| 40°-50°   | 258.9  | 50.1      |
| 50°-60°   | 103.3  | 20.0      |
| 60°-70°   | 8.9    | 1.7       |
| 70°-80°   | 5.0    | 1.0       |
| 80°-90°   | 2.2    | 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°    | 31.6   | 6.1       |
| 0°-40°    | 138.6  | 26.8      |
| 0°-60°    | 500.8  | 96.9      |
| 0°-90°    | 517.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 517.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 46   | 46  | 46  | 46   | 46   |      |
| 5°  | 57   | 50  | 41  | 36   | 36   | 5    |
| 15° | 45   | 30  | 22  | 23   | 24   | 16   |
| 25° | 163  | 27  | 13  | 17   | 20   | 98   |
| 35° | 1695 | 34  | 9   | 16   | 20   | 1198 |
| 45° | 4600 | 19  | 7   | 15   | 20   | 3245 |
| 55° | 1404 | 4   | 5   | 14   | 19   | 1308 |
| 65° | 10   | 0   | 3   | 11   | 17   | 26   |
| 75° | 2    | 0   | 3   | 8    | 13   | 1    |
| 85° | 0    | 0   | 2   | 3    | 5    | 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°    | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9  | 45.9  | 45.9 |
| 2.5°  | 51.5   | 51.5   | 52.1   | 51.5   | 51.5   | 51.5   | 51.5   | 51.0   | 51.0  | 51.0  | 49.5 |
| 5°    | 56.7   | 56.7   | 56.7   | 56.7   | 56.2   | 56.2   | 56.2   | 55.7   | 55.7  | 55.2  | 50.5 |
| 7.5°  | 58.8   | 58.8   | 58.3   | 58.3   | 57.7   | 57.7   | 57.2   | 56.7   | 56.2  | 55.7  | 48.5 |
| 10°   | 55.2   | 55.2   | 55.2   | 54.6   | 54.6   | 54.1   | 53.6   | 53.1   | 52.6  | 51.5  | 42.8 |
| 12.5° | 49.0   | 49.0   | 49.5   | 49.0   | 48.5   | 47.9   | 46.9   | 46.4   | 45.9  | 44.8  | 35.6 |
| 15°   | 44.8   | 44.8   | 44.8   | 44.3   | 43.8   | 42.8   | 42.3   | 41.2   | 40.7  | 39.2  | 29.9 |
| 17.5° | 57.2   | 57.2   | 56.7   | 55.7   | 53.6   | 52.1   | 49.5   | 47.4   | 44.8  | 41.8  | 25.8 |
| 20°   | 75.8   | 75.8   | 74.7   | 73.7   | 71.1   | 68.6   | 64.4   | 60.8   | 56.7  | 53.1  | 23.2 |
| 22.5° | 109.8  | 111.3  | 108.3  | 104.6  | 101.0  | 94.9   | 89.2   | 83.5   | 76.3  | 70.1  | 23.7 |
| 25°   | 162.9  | 164.4  | 162.9  | 154.6  | 147.9  | 139.7  | 128.9  | 117.5  | 105.2 | 93.8  | 26.8 |
| 27.5° | 263.9  | 265.0  | 262.4  | 242.3  | 231.5  | 209.8  | 190.7  | 172.2  | 151.6 | 130.9 | 29.4 |
| 30°   | 465.5  | 466.0  | 449.5  | 409.3  | 373.7  | 326.3  | 286.1  | 247.4  | 215.0 | 182.0 | 31.4 |
| 31°   | 612.9  | 598.5  | 563.4  | 515.0  | 458.3  | 394.4  | 339.2  | 289.2  | 240.7 | 205.2 | 32.0 |
| 32°   | 778.4  | 776.3  | 718.1  | 634.1  | 558.3  | 478.4  | 395.4  | 331.5  | 275.8 | 227.3 | 32.5 |
| 33°   | 997.5  | 998.5  | 906.8  | 807.8  | 683.5  | 576.3  | 467.6  | 379.9  | 312.9 | 253.6 | 33.5 |
| 34°   | 1339.8 | 1259.4 | 1151.6 | 1017.6 | 848.5  | 687.2  | 545.9  | 436.1  | 346.4 | 278.9 | 33.5 |
| 35°   | 1695.0 | 1614.0 | 1495.5 | 1292.4 | 1060.4 | 834.6  | 639.2  | 496.4  | 386.6 | 306.2 | 33.5 |
| 36°   | 2092.9 | 2024.4 | 1845.0 | 1585.7 | 1289.8 | 973.8  | 738.2  | 566.0  | 426.3 | 330.9 | 33.0 |
| 37°   | 2522.8 | 2422.3 | 2223.3 | 1940.3 | 1544.4 | 1169.7 | 858.8  | 635.1  | 466.0 | 357.8 | 32.0 |
| 38°   | 2959.5 | 2868.7 | 2617.7 | 2274.9 | 1848.6 | 1376.4 | 979.4  | 701.6  | 502.6 | 377.9 | 30.4 |
| 39°   | 3290.4 | 3240.9 | 2991.9 | 2608.9 | 2091.4 | 1572.3 | 1103.7 | 772.7  | 541.3 | 398.0 | 28.9 |
| 40°   | 3679.1 | 3599.2 | 3363.1 | 2889.4 | 2378.5 | 1771.8 | 1225.3 | 835.6  | 573.2 | 413.9 | 27.3 |
| 41°   | 4033.8 | 3932.7 | 3634.8 | 3177.0 | 2608.4 | 1951.2 | 1340.8 | 900.6  | 599.0 | 423.2 | 26.3 |
| 42°   | 4337.9 | 4220.4 | 3909.0 | 3423.4 | 2800.7 | 2094.5 | 1433.1 | 947.0  | 623.2 | 431.0 | 24.7 |
| 43°   | 4534.8 | 4433.3 | 4127.1 | 3608.5 | 2965.1 | 2225.9 | 1519.2 | 995.4  | 638.2 | 436.1 | 22.7 |
| 44°   | 4630.7 | 4528.1 | 4231.7 | 3724.5 | 3066.2 | 2304.8 | 1574.8 | 1028.9 | 654.7 | 442.8 | 21.1 |
| 45°   | 4599.8 | 4495.7 | 4209.0 | 3726.5 | 3097.6 | 2333.1 | 1598.6 | 1043.9 | 663.4 | 449.0 | 19.1 |
| 46°   | 4458.0 | 4384.8 | 4096.1 | 3629.6 | 3037.8 | 2302.7 | 1585.2 | 1032.5 | 660.4 | 449.0 | 17.0 |
| 47°   | 4259.0 | 4175.5 | 3900.8 | 3463.1 | 2893.0 | 2224.4 | 1531.0 | 998.0  | 641.3 | 438.7 | 14.9 |
| 48°   | 3987.9 | 3916.8 | 3628.1 | 3198.7 | 2670.8 | 2053.7 | 1408.9 | 941.8  | 611.4 | 418.6 | 12.9 |
| 49°   | 3647.7 | 3548.7 | 3280.1 | 2860.5 | 2381.1 | 1811.5 | 1248.5 | 847.0  | 563.4 | 390.2 | 11.3 |
| 50°   | 3278.6 | 3156.4 | 2949.2 | 2521.8 | 2081.6 | 1553.2 | 1037.7 | 716.0  | 495.9 | 353.1 | 10.3 |
| 51°   | 2917.2 | 2793.0 | 2595.5 | 2232.1 | 1762.0 | 1288.7 | 837.2  | 571.7  | 408.3 | 302.1 | 8.8  |
| 52°   | 2542.4 | 2438.3 | 2217.2 | 1931.6 | 1508.3 | 1044.4 | 697.5  | 483.5  | 339.2 | 253.6 | 7.2  |
| 53°   | 2169.2 | 2098.1 | 1887.8 | 1598.6 | 1211.9 | 853.1  | 569.6  | 413.9  | 295.9 | 217.0 | 5.7  |
| 54°   | 1795.5 | 1717.6 | 1557.8 | 1300.1 | 976.9  | 673.2  | 483.0  | 346.4  | 256.7 | 189.2 | 5.2  |
| 55°   | 1404.2 | 1364.0 | 1216.6 | 991.3  | 740.3  | 537.1  | 391.8  | 298.0  | 215.0 | 158.3 | 4.1  |
| 56°   | 1081.5 | 1036.2 | 901.6  | 719.1  | 550.0  | 420.6  | 317.0  | 243.3  | 182.0 | 132.5 | 3.1  |
| 57°   | 708.3  | 661.9  | 572.7  | 502.1  | 400.5  | 306.7  | 242.3  | 191.8  | 147.9 | 109.8 | 2.6  |
| 58°   | 418.6  | 376.3  | 362.4  | 309.3  | 267.0  | 208.3  | 178.9  | 142.8  | 109.3 | 86.6  | 1.5  |
| 59°   | 192.3  | 195.4  | 173.7  | 162.9  | 147.9  | 132.5  | 108.8  | 95.4   | 74.7  | 62.4  | 1.0  |
| 60°   | 111.9  | 105.7  | 103.1  | 92.3   | 82.0   | 72.7   | 65.5   | 57.7   | 46.9  | 40.2  | 0.5  |
| 62.5° | 38.1   | 36.6   | 37.6   | 34.0   | 32.0   | 30.9   | 28.4   | 24.2   | 20.1  | 16.5  | 0.0  |
| 65°   | 10.3   | 10.3   | 9.8    | 9.3    | 8.8    | 8.2    | 7.7    | 6.7    | 6.2   | 5.2   | 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° | 3.6 | 3.6  | 3.1 | 3.1  | 2.6 | 2.6   | 2.1 | 2.1   | 1.5 | 1.5   | 0.0 |
| 70°   | 2.1 | 2.1  | 2.1 | 1.5  | 1.5 | 1.5   | 1.0 | 1.0   | 1.0 | 0.5   | 0.0 |
| 72.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.0 | 1.0   | 1.0 | 0.5   | 0.5 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 1.0   | 0.5 |
| 77.5° | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 |
| 80°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 0.5   | 1.0 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 1.0 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.5 |
| 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°    | 45.9  | 45.9 | 45.9   | 45.9 | 45.9   | 45.9 |
| 2.5°  | 47.4  | 45.4 | 42.8   | 41.2 | 40.7   | 40.2 |
| 5°    | 45.4  | 41.2 | 38.1   | 36.1 | 35.6   | 35.6 |
| 7.5°  | 40.7  | 36.1 | 33.0   | 32.0 | 31.4   | 31.4 |
| 10°   | 35.6  | 31.4 | 28.9   | 27.8 | 28.4   | 28.4 |
| 12.5° | 29.9  | 26.3 | 25.3   | 25.3 | 25.8   | 26.3 |
| 15°   | 24.2  | 22.2 | 22.2   | 22.7 | 23.7   | 24.2 |
| 17.5° | 20.1  | 19.1 | 19.6   | 20.6 | 21.7   | 22.7 |
| 20°   | 16.5  | 16.5 | 17.5   | 19.1 | 20.6   | 21.7 |
| 22.5° | 13.9  | 14.4 | 16.0   | 17.5 | 19.6   | 20.6 |
| 25°   | 11.9  | 12.9 | 14.4   | 17.0 | 19.1   | 19.6 |
| 27.5° | 10.3  | 11.9 | 13.9   | 16.5 | 18.6   | 19.6 |
| 30°   | 8.8   | 10.8 | 13.4   | 16.0 | 18.6   | 19.6 |
| 31°   | 8.2   | 10.3 | 12.9   | 16.0 | 18.6   | 19.6 |
| 32°   | 7.7   | 10.3 | 12.9   | 16.0 | 18.6   | 19.6 |
| 33°   | 7.2   | 9.8  | 12.9   | 15.5 | 18.6   | 19.6 |
| 34°   | 6.7   | 9.8  | 12.9   | 16.0 | 18.6   | 19.6 |
| 35°   | 6.2   | 9.3  | 12.4   | 15.5 | 18.0   | 19.6 |
| 36°   | 5.7   | 9.3  | 12.4   | 15.5 | 18.6   | 19.6 |
| 37°   | 5.2   | 9.3  | 12.4   | 15.5 | 18.0   | 19.6 |
| 38°   | 5.2   | 8.8  | 11.9   | 15.5 | 18.0   | 19.6 |
| 39°   | 4.6   | 8.2  | 11.9   | 15.5 | 18.0   | 19.6 |
| 40°   | 4.1   | 8.2  | 11.3   | 14.9 | 18.0   | 19.6 |
| 41°   | 3.6   | 7.7  | 11.3   | 14.9 | 18.0   | 19.6 |
| 42°   | 3.1   | 7.7  | 11.3   | 14.9 | 18.0   | 19.6 |
| 43°   | 2.6   | 7.2  | 10.8   | 14.9 | 18.0   | 19.6 |
| 44°   | 2.6   | 7.2  | 10.8   | 14.9 | 18.0   | 19.6 |
| 45°   | 2.1   | 6.7  | 10.3   | 14.9 | 18.0   | 19.6 |
| 46°   | 2.1   | 6.7  | 10.3   | 14.4 | 18.0   | 19.6 |
| 47°   | 1.5   | 6.7  | 10.3   | 14.4 | 18.0   | 19.6 |
| 48°   | 1.5   | 6.2  | 10.3   | 14.4 | 18.0   | 19.6 |
| 49°   | 1.0   | 6.2  | 10.3   | 14.4 | 18.0   | 19.6 |
| 50°   | 1.0   | 6.2  | 9.8    | 14.4 | 18.0   | 19.6 |
| 51°   | 1.0   | 6.2  | 9.8    | 14.4 | 18.0   | 19.6 |
| 52°   | 1.0   | 5.7  | 9.8    | 14.4 | 18.0   | 19.6 |
| 53°   | 1.0   | 5.7  | 9.8    | 14.4 | 18.0   | 19.6 |
| 54°   | 1.0   | 5.7  | 9.3    | 14.4 | 18.0   | 19.6 |
| 55°   | 1.0   | 5.2  | 9.3    | 13.9 | 18.0   | 19.1 |
| 56°   | 1.0   | 5.2  | 9.3    | 13.9 | 18.0   | 19.1 |
| 57°   | 1.0   | 5.2  | 8.8    | 13.9 | 18.0   | 19.1 |
| 58°   | 1.0   | 4.6  | 8.8    | 13.4 | 17.5   | 19.1 |
| 59°   | 1.0   | 4.6  | 8.2    | 13.4 | 17.5   | 18.6 |
| 60°   | 1.0   | 4.1  | 8.2    | 12.9 | 17.0   | 18.6 |
| 62.5° | 1.0   | 3.6  | 7.2    | 12.4 | 16.5   | 17.5 |
| 65°   | 1.0   | 3.1  | 6.7    | 11.3 | 16.0   | 17.0 |



TEST NUMBER: P1336353

CATALOG NUMBER: P3A05R159035DE010 E3CA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0   | 3.1 | 6.2    | 10.8 | 14.9   | 16.5 |
| 70°   | 1.0   | 3.1 | 5.7    | 9.8  | 14.4   | 14.9 |
| 72.5° | 1.5   | 3.1 | 5.2    | 9.3  | 13.4   | 13.9 |
| 75°   | 2.1   | 3.1 | 4.6    | 8.2  | 12.4   | 12.9 |
| 77.5° | 2.1   | 3.1 | 4.1    | 7.2  | 10.8   | 11.3 |
| 80°   | 2.1   | 2.6 | 3.6    | 5.7  | 8.8    | 9.3  |
| 82.5° | 2.1   | 2.6 | 2.6    | 4.6  | 6.7    | 7.2  |
| 85°   | 1.5   | 2.1 | 2.1    | 2.6  | 4.6    | 5.2  |
| 87.5° | 1.5   | 2.1 | 1.0    | 1.5  | 2.1    | 2.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)