

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: P1344534

Luminaire Tested: P3A13R259740DE010 E3A451WMH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344534  
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: P3A13R259740DE010 E3A451WMH  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A451WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

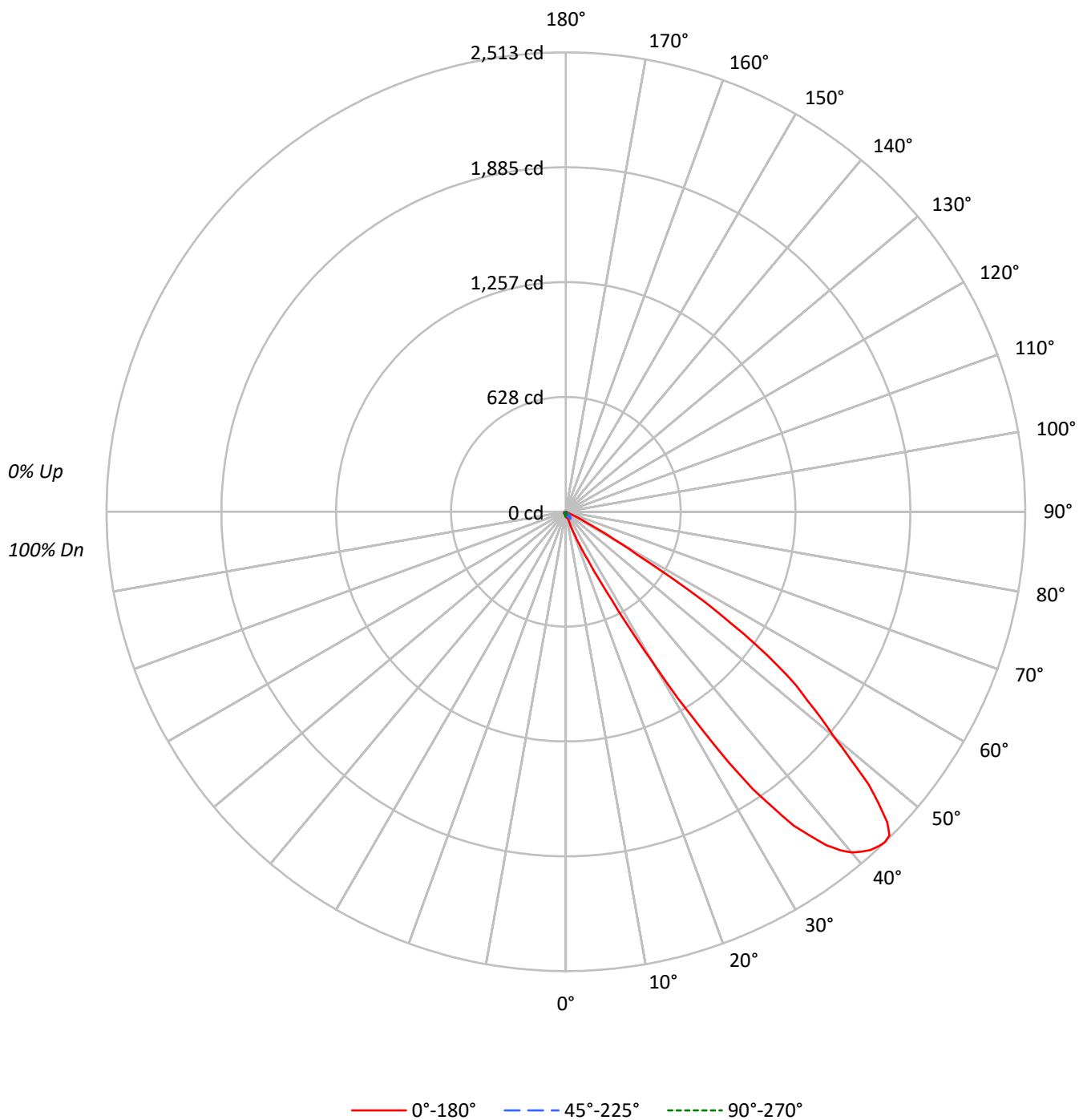
Lumens per Lamp: N/A  
Luminaire Lumens: 524.0 lumens  
Efficiency: N/A  
Efficacy: 35.9 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1344534

CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

### Luminous Intensity Polar Plot



TEST NUMBER: P1344534

CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

**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  | 64  | 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  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  |    |    |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 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  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5855   | 5855  | 5855 | 5855 | 5855 |
| 5°  | 6692   | 6383  | 5679 | 5085 | 4975 |
| 10° | 6680   | 6056  | 4832 | 4208 | 4208 |
| 15° | 7423   | 5244  | 3768 | 3564 | 3768 |
| 20° | 26252  | 5157  | 2894 | 3010 | 3337 |
| 25° | 75537  | 6581  | 2347 | 2782 | 3242 |
| 30° | 240974 | 10153 | 1874 | 2684 | 3266 |
| 35° | 527809 | 11966 | 1606 | 2597 | 3319 |
| 40° | 696247 | 10820 | 1317 | 2634 | 3550 |
| 45° | 776453 | 7567  | 1271 | 2853 | 3845 |
| 50° | 653590 | 3923  | 1262 | 3002 | 4230 |
| 55° | 488661 | 1567  | 1223 | 3364 | 4741 |
| 60° | 151260 | 395   | 1228 | 3640 | 5263 |
| 65° | 12920  | 0     | 1453 | 3840 | 5759 |
| 70° | 898    | 321   | 1475 | 4424 | 6475 |
| 75° | 763    | 424   | 1949 | 4660 | 7456 |
| 80° | 631    | 631   | 2904 | 5177 | 8713 |
| 85° | 1258   | 1258  | 4529 | 5787 | 9309 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 776453 cd/sqm

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CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.4    | 0.5       |
| 10°-20°   | 6.2    | 1.2       |
| 20°-30°   | 29.0   | 5.5       |
| 30°-40°   | 139.6  | 26.6      |
| 40°-50°   | 218.8  | 41.8      |
| 50°-60°   | 112.2  | 21.4      |
| 60°-70°   | 10.6   | 2.0       |
| 70°-80°   | 3.6    | 0.7       |
| 80°-90°   | 1.8    | 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°    | 37.6   | 7.2       |
| 0°-40°    | 177.1  | 33.8      |
| 0°-60°    | 508.1  | 97.0      |
| 0°-90°    | 524.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 524.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 27   | 27  | 27  | 27   | 27   |      |
| 5°  | 30   | 29  | 26  | 23   | 23   | 3    |
| 15° | 33   | 23  | 17  | 16   | 17   | 14   |
| 25° | 312  | 27  | 10  | 12   | 13   | 194  |
| 35° | 1972 | 45  | 6   | 10   | 12   | 1197 |
| 45° | 2504 | 24  | 4   | 9    | 12   | 1832 |
| 55° | 1278 | 4   | 3   | 9    | 12   | 1064 |
| 65° | 25   | 0   | 3   | 7    | 11   | 78   |
| 75° | 1    | 0   | 2   | 6    | 9    | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344534

CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7  | 26.7 |
| 2.5°  | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 28.6   | 28.6   | 29.0   | 28.6  | 28.6 |
| 5°    | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.0   | 30.0   | 30.0  | 29.0 |
| 7.5°  | 30.9   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.0   | 30.0  | 28.6 |
| 10°   | 30.0   | 30.0   | 30.0   | 30.0   | 29.5   | 29.5   | 29.5   | 29.0   | 29.0   | 29.0  | 27.2 |
| 12.5° | 30.0   | 30.0   | 30.0   | 30.0   | 29.5   | 29.5   | 29.0   | 29.0   | 28.6   | 28.1  | 24.9 |
| 15°   | 32.7   | 32.7   | 32.7   | 32.3   | 31.8   | 31.4   | 30.9   | 30.4   | 30.0   | 29.0  | 23.1 |
| 17.5° | 48.0   | 46.6   | 46.1   | 44.3   | 42.0   | 39.7   | 37.8   | 36.0   | 34.1   | 32.7  | 22.1 |
| 20°   | 112.5  | 112.0  | 109.7  | 104.2  | 98.2   | 91.3   | 84.4   | 76.5   | 65.5   | 58.1  | 22.1 |
| 22.5° | 195.0  | 192.3  | 188.1  | 184.0  | 173.4  | 160.9  | 148.0  | 133.3  | 119.0  | 103.7 | 23.5 |
| 25°   | 312.2  | 318.6  | 304.8  | 293.7  | 275.3  | 252.7  | 228.2  | 208.0  | 182.1  | 158.2 | 27.2 |
| 27.5° | 542.7  | 546.9  | 519.7  | 483.7  | 440.8  | 393.3  | 347.2  | 312.6  | 269.3  | 229.6 | 34.1 |
| 30°   | 951.7  | 955.9  | 910.2  | 833.7  | 745.1  | 667.2  | 561.6  | 468.9  | 383.6  | 317.7 | 40.1 |
| 31°   | 1187.8 | 1155.5 | 1102.5 | 1028.3 | 916.2  | 798.6  | 671.8  | 559.8  | 451.9  | 365.2 | 42.0 |
| 32°   | 1393.0 | 1390.2 | 1328.5 | 1215.9 | 1103.4 | 958.2  | 800.9  | 654.8  | 522.4  | 413.2 | 43.3 |
| 33°   | 1635.1 | 1616.6 | 1529.5 | 1423.4 | 1274.5 | 1128.3 | 925.4  | 758.5  | 594.8  | 466.6 | 44.3 |
| 34°   | 1829.2 | 1779.4 | 1743.4 | 1622.2 | 1464.9 | 1278.7 | 1061.5 | 868.3  | 685.2  | 518.3 | 44.7 |
| 35°   | 1971.7 | 1961.1 | 1891.0 | 1778.0 | 1618.0 | 1427.6 | 1208.1 | 982.2  | 760.8  | 578.2 | 44.7 |
| 36°   | 2122.5 | 2089.7 | 2021.5 | 1919.1 | 1763.3 | 1566.4 | 1320.2 | 1080.8 | 848.9  | 632.2 | 44.3 |
| 37°   | 2217.0 | 2197.6 | 2129.9 | 2024.3 | 1871.6 | 1683.5 | 1445.6 | 1185.0 | 919.0  | 686.1 | 43.3 |
| 38°   | 2314.3 | 2275.1 | 2208.2 | 2107.3 | 1957.4 | 1780.8 | 1536.4 | 1265.3 | 983.5  | 733.6 | 42.0 |
| 39°   | 2381.6 | 2341.0 | 2272.8 | 2172.3 | 2025.6 | 1850.4 | 1608.3 | 1333.5 | 1039.8 | 769.1 | 40.1 |
| 40°   | 2432.3 | 2393.1 | 2324.0 | 2220.7 | 2075.9 | 1905.3 | 1668.3 | 1393.9 | 1086.8 | 800.0 | 37.8 |
| 41°   | 2463.7 | 2427.3 | 2358.6 | 2255.7 | 2110.5 | 1936.7 | 1707.5 | 1433.1 | 1118.6 | 820.8 | 35.5 |
| 42°   | 2490.0 | 2452.6 | 2382.5 | 2277.4 | 2131.7 | 1963.4 | 1731.5 | 1458.0 | 1140.3 | 831.4 | 33.7 |
| 43°   | 2504.7 | 2467.4 | 2399.1 | 2291.7 | 2144.6 | 1975.8 | 1744.4 | 1469.6 | 1147.7 | 830.0 | 30.4 |
| 44°   | 2513.0 | 2474.3 | 2405.6 | 2298.2 | 2150.1 | 1979.1 | 1745.3 | 1467.2 | 1142.6 | 818.9 | 27.7 |
| 45°   | 2503.8 | 2465.5 | 2399.1 | 2291.7 | 2140.5 | 1968.9 | 1736.1 | 1454.8 | 1123.3 | 797.3 | 24.4 |
| 46°   | 2443.9 | 2414.4 | 2353.5 | 2254.8 | 2110.0 | 1943.1 | 1712.6 | 1430.8 | 1093.3 | 770.5 | 20.7 |
| 47°   | 2338.3 | 2314.8 | 2255.7 | 2182.4 | 2051.5 | 1895.6 | 1669.2 | 1385.2 | 1051.3 | 730.4 | 16.6 |
| 48°   | 2228.1 | 2193.5 | 2138.6 | 2063.5 | 1952.8 | 1810.3 | 1597.7 | 1318.3 | 987.7  | 677.8 | 14.8 |
| 49°   | 2065.3 | 2045.0 | 1996.6 | 1912.7 | 1820.9 | 1695.5 | 1496.8 | 1232.5 | 909.8  | 620.7 | 12.9 |
| 50°   | 1915.9 | 1902.1 | 1834.3 | 1772.5 | 1675.2 | 1558.1 | 1359.8 | 1119.6 | 812.9  | 549.6 | 11.5 |
| 51°   | 1799.2 | 1782.6 | 1733.8 | 1656.8 | 1553.0 | 1417.0 | 1230.2 | 972.9  | 701.8  | 465.3 | 9.2  |
| 52°   | 1677.5 | 1668.3 | 1624.9 | 1545.6 | 1443.7 | 1308.2 | 1104.4 | 848.4  | 593.9  | 393.3 | 7.4  |
| 53°   | 1577.9 | 1564.5 | 1511.5 | 1441.0 | 1330.8 | 1190.6 | 967.9  | 732.7  | 503.1  | 330.6 | 6.5  |
| 54°   | 1432.7 | 1427.1 | 1393.0 | 1319.2 | 1199.8 | 1047.2 | 844.3  | 617.0  | 419.6  | 280.4 | 5.5  |
| 55°   | 1278.2 | 1259.7 | 1225.2 | 1166.6 | 1056.9 | 914.4  | 701.3  | 511.4  | 339.4  | 236.1 | 4.1  |
| 56°   | 1090.1 | 1089.1 | 1027.3 | 978.5  | 881.2  | 729.9  | 560.2  | 399.3  | 275.7  | 196.9 | 3.7  |
| 57°   | 910.2  | 881.2  | 821.7  | 773.3  | 668.6  | 553.8  | 415.9  | 299.3  | 215.8  | 159.5 | 2.8  |
| 58°   | 673.2  | 658.0  | 642.3  | 571.3  | 474.5  | 392.4  | 297.0  | 210.3  | 159.5  | 121.7 | 1.8  |
| 59°   | 457.0  | 456.5  | 438.1  | 384.1  | 328.3  | 244.4  | 185.4  | 142.9  | 109.7  | 89.5  | 1.4  |
| 60°   | 344.9  | 336.6  | 299.7  | 264.2  | 206.6  | 154.5  | 109.7  | 84.4   | 68.2   | 57.6  | 0.9  |
| 62.5° | 120.8  | 125.4  | 110.2  | 91.3   | 69.6   | 57.2   | 43.8   | 35.5   | 29.0   | 23.5  | 0.0  |
| 65°   | 24.9   | 27.2   | 23.5   | 22.1   | 17.5   | 15.2   | 13.4   | 11.5   | 9.7    | 8.3   | 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° | 3.2 | 2.8  | 2.8 | 2.8  | 2.3 | 2.3   | 2.3 | 2.3   | 1.8 | 1.8   | 0.5 |
| 70°   | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.9   | 0.5 |
| 72.5° | 1.4 | 1.4  | 1.4 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 |
| 75°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 | 0.5   | 0.5 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 80°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.9 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.0  | 0.0 | 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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CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 26.7  | 26.7 | 26.7   | 26.7 | 26.7   | 26.7 |
| 2.5°  | 28.1  | 27.2 | 25.8   | 25.4 | 24.9   | 24.9 |
| 5°    | 27.7  | 25.8 | 24.4   | 23.1 | 22.6   | 22.6 |
| 7.5°  | 26.3  | 24.0 | 22.1   | 21.2 | 20.7   | 20.3 |
| 10°   | 24.9  | 21.7 | 19.8   | 18.9 | 18.9   | 18.9 |
| 12.5° | 22.1  | 19.4 | 17.5   | 17.1 | 17.5   | 17.5 |
| 15°   | 19.8  | 16.6 | 15.7   | 15.7 | 16.1   | 16.6 |
| 17.5° | 17.1  | 14.8 | 13.8   | 14.3 | 14.8   | 15.2 |
| 20°   | 15.2  | 12.4 | 12.4   | 12.9 | 14.3   | 14.3 |
| 22.5° | 13.4  | 11.1 | 11.1   | 12.4 | 13.4   | 13.8 |
| 25°   | 12.0  | 9.7  | 10.1   | 11.5 | 12.9   | 13.4 |
| 27.5° | 10.1  | 8.3  | 9.2    | 11.1 | 12.4   | 12.9 |
| 30°   | 8.8   | 7.4  | 8.8    | 10.6 | 12.0   | 12.9 |
| 31°   | 8.3   | 6.9  | 8.8    | 10.1 | 12.0   | 12.9 |
| 32°   | 7.4   | 6.9  | 8.3    | 10.1 | 12.0   | 12.4 |
| 33°   | 6.9   | 6.5  | 8.3    | 10.1 | 12.0   | 12.4 |
| 34°   | 6.5   | 6.0  | 7.8    | 10.1 | 12.0   | 12.4 |
| 35°   | 5.5   | 6.0  | 7.8    | 9.7  | 11.5   | 12.4 |
| 36°   | 5.1   | 5.5  | 7.8    | 9.7  | 11.5   | 12.4 |
| 37°   | 4.6   | 5.5  | 7.4    | 9.7  | 11.5   | 12.4 |
| 38°   | 4.1   | 5.1  | 7.4    | 9.7  | 11.5   | 12.4 |
| 39°   | 3.7   | 5.1  | 6.9    | 9.7  | 11.5   | 12.4 |
| 40°   | 3.2   | 4.6  | 6.9    | 9.2  | 11.5   | 12.4 |
| 41°   | 3.2   | 4.6  | 6.9    | 9.2  | 11.5   | 12.4 |
| 42°   | 2.8   | 4.6  | 6.9    | 9.2  | 11.5   | 12.4 |
| 43°   | 2.3   | 4.1  | 6.9    | 9.2  | 11.5   | 12.4 |
| 44°   | 1.8   | 4.1  | 6.5    | 9.2  | 11.5   | 12.4 |
| 45°   | 1.8   | 4.1  | 6.5    | 9.2  | 11.5   | 12.4 |
| 46°   | 1.4   | 3.7  | 6.5    | 9.2  | 11.5   | 12.4 |
| 47°   | 0.9   | 3.7  | 6.5    | 8.8  | 11.5   | 12.4 |
| 48°   | 0.9   | 3.7  | 6.5    | 8.8  | 11.5   | 12.4 |
| 49°   | 0.9   | 3.7  | 6.0    | 8.8  | 11.5   | 12.4 |
| 50°   | 0.9   | 3.7  | 6.0    | 8.8  | 11.5   | 12.4 |
| 51°   | 0.5   | 3.2  | 6.0    | 8.8  | 11.5   | 12.4 |
| 52°   | 0.5   | 3.2  | 6.0    | 8.8  | 11.5   | 12.9 |
| 53°   | 0.5   | 3.2  | 6.0    | 8.8  | 11.5   | 12.4 |
| 54°   | 0.5   | 3.2  | 5.5    | 8.8  | 11.5   | 12.4 |
| 55°   | 0.5   | 3.2  | 5.5    | 8.8  | 11.5   | 12.4 |
| 56°   | 0.5   | 2.8  | 5.5    | 8.3  | 11.5   | 12.4 |
| 57°   | 0.9   | 2.8  | 5.5    | 8.3  | 11.5   | 12.0 |
| 58°   | 0.9   | 2.8  | 5.5    | 8.3  | 11.1   | 12.0 |
| 59°   | 0.9   | 2.8  | 5.5    | 8.3  | 11.1   | 12.0 |
| 60°   | 0.9   | 2.8  | 5.1    | 8.3  | 11.1   | 12.0 |
| 62.5° | 0.9   | 2.8  | 5.1    | 7.8  | 10.6   | 11.5 |
| 65°   | 0.9   | 2.8  | 4.6    | 7.4  | 10.6   | 11.1 |





TEST NUMBER: P1344534

CATALOG NUMBER: P3A13R259740DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.3 | 4.6    | 6.9  | 10.1   | 10.6 |
| 70°   | 1.4   | 2.3 | 4.1    | 6.9  | 9.7    | 10.1 |
| 72.5° | 1.4   | 2.3 | 4.1    | 6.0  | 8.8    | 9.7  |
| 75°   | 1.4   | 2.3 | 3.7    | 5.5  | 8.3    | 8.8  |
| 77.5° | 1.4   | 2.3 | 3.2    | 5.1  | 7.4    | 7.8  |
| 80°   | 1.8   | 2.3 | 2.8    | 4.1  | 6.5    | 6.9  |
| 82.5° | 1.8   | 2.3 | 2.3    | 3.2  | 5.1    | 5.5  |
| 85°   | 1.4   | 1.8 | 1.8    | 2.3  | 3.2    | 3.7  |
| 87.5° | 1.4   | 1.8 | 1.4    | 0.9  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)