

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: P1344384

Luminaire Tested: P3A13R259024DE010 E3A451WMH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344384  
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: P3A13R259024DE010 E3A451WMH  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3A451WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

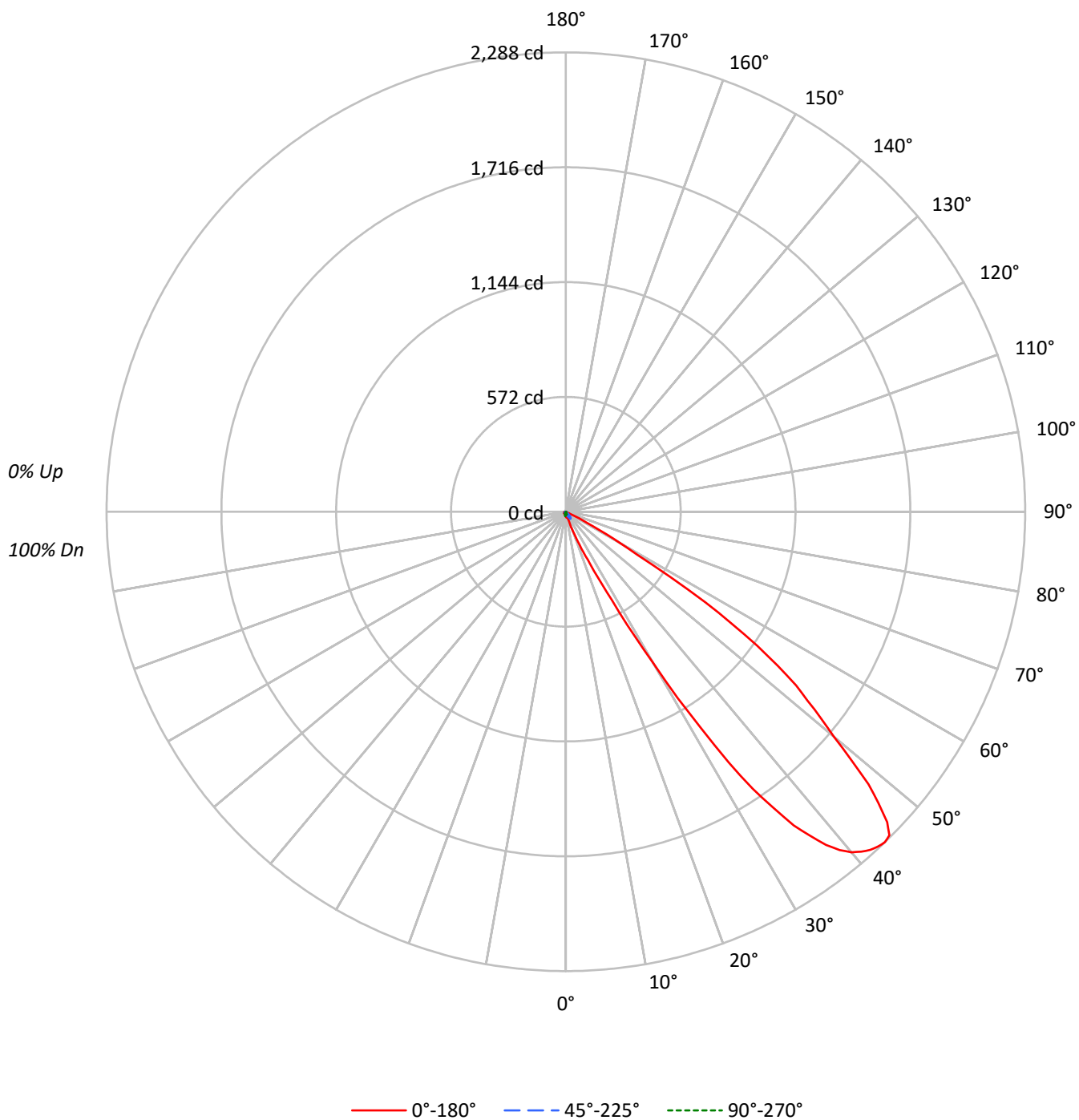
Lumens per Lamp: N/A  
Luminaire Lumens: 477.0 lumens  
Efficiency: N/A  
Efficacy: 32.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

### Luminous Intensity Polar Plot



TEST NUMBER: P1344384

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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 | 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°  | 5329   | 5329  | 5329 | 5329 | 5329 |
| 5°  | 6097   | 5811  | 5173 | 4622 | 4534 |
| 10° | 6079   | 5522  | 4386 | 3830 | 3830 |
| 15° | 6765   | 4767  | 3428 | 3246 | 3428 |
| 20° | 23895  | 4690  | 2637 | 2754 | 3034 |
| 25° | 68762  | 6000  | 2129 | 2540 | 2952 |
| 30° | 219376 | 9242  | 1696 | 2456 | 2988 |
| 35° | 480454 | 10895 | 1472 | 2356 | 3025 |
| 40° | 633816 | 9847  | 1202 | 2405 | 3235 |
| 45° | 706802 | 6884  | 1178 | 2605 | 3504 |
| 50° | 594983 | 3582  | 1160 | 2729 | 3855 |
| 55° | 444811 | 1453  | 1109 | 3058 | 4320 |
| 60° | 137708 | 351   | 1096 | 3333 | 4780 |
| 65° | 11778  | 0     | 1297 | 3476 | 5241 |
| 70° | 833    | 256   | 1346 | 4039 | 5898 |
| 75° | 678    | 339   | 1779 | 4236 | 6778 |
| 80° | 505    | 505   | 2652 | 4799 | 7956 |
| 85° | 1006   | 1006  | 4277 | 5284 | 8554 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 706802 cd/sqm

TEST NUMBER: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.2    | 0.5       |
| 10°-20°   | 5.6    | 1.2       |
| 20°-30°   | 26.4   | 5.5       |
| 30°-40°   | 127.1  | 26.6      |
| 40°-50°   | 199.2  | 41.8      |
| 50°-60°   | 102.1  | 21.4      |
| 60°-70°   | 9.6    | 2.0       |
| 70°-80°   | 3.2    | 0.7       |
| 80°-90°   | 1.6    | 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°    | 34.2   | 7.2       |
| 0°-40°    | 161.2  | 33.8      |
| 0°-60°    | 462.5  | 97.0      |
| 0°-90°    | 477.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 477.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 24   | 24  | 24  | 24   | 24   |      |
| 5°  | 28   | 26  | 24  | 21   | 21   | 3    |
| 15° | 30   | 21  | 15  | 14   | 15   | 13   |
| 25° | 284  | 25  | 9   | 10   | 12   | 176  |
| 35° | 1795 | 41  | 6   | 9    | 11   | 1090 |
| 45° | 2279 | 22  | 4   | 8    | 11   | 1668 |
| 55° | 1164 | 4   | 3   | 8    | 11   | 969  |
| 65° | 23   | 0   | 2   | 7    | 10   | 71   |
| 75° | 1    | 0   | 2   | 5    | 8    | 1    |
| 85° | 0    | 0   | 2   | 2    | 3    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3  | 24.3 |
| 2.5°  | 26.4   | 26.4   | 26.4   | 26.4   | 26.4   | 26.4   | 26.0   | 26.0   | 26.4   | 26.0  | 26.0 |
| 5°    | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.3   | 27.3   | 27.3  | 26.4 |
| 7.5°  | 28.1   | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.7   | 27.3   | 27.3  | 26.0 |
| 10°   | 27.3   | 27.3   | 27.3   | 27.3   | 26.9   | 26.9   | 26.9   | 26.4   | 26.4   | 26.4  | 24.8 |
| 12.5° | 27.3   | 27.3   | 27.3   | 27.3   | 26.9   | 26.9   | 26.4   | 26.4   | 26.0   | 25.6  | 22.7 |
| 15°   | 29.8   | 29.8   | 29.8   | 29.4   | 29.0   | 28.5   | 28.1   | 27.7   | 27.3   | 26.4  | 21.0 |
| 17.5° | 43.7   | 42.4   | 42.0   | 40.3   | 38.2   | 36.1   | 34.4   | 32.7   | 31.1   | 29.8  | 20.1 |
| 20°   | 102.4  | 102.0  | 99.9   | 94.9   | 89.4   | 83.1   | 76.8   | 69.7   | 59.6   | 52.9  | 20.1 |
| 22.5° | 177.6  | 175.0  | 171.3  | 167.5  | 157.8  | 146.5  | 134.7  | 121.3  | 108.3  | 94.4  | 21.4 |
| 25°   | 284.2  | 290.0  | 277.5  | 267.4  | 250.6  | 230.0  | 207.8  | 189.3  | 165.8  | 144.0 | 24.8 |
| 27.5° | 494.0  | 497.8  | 473.1  | 440.3  | 401.3  | 358.0  | 316.1  | 284.6  | 245.1  | 209.0 | 31.1 |
| 30°   | 866.4  | 870.1  | 828.6  | 758.9  | 678.3  | 607.4  | 511.3  | 426.9  | 349.2  | 289.2 | 36.5 |
| 31°   | 1081.3 | 1051.9 | 1003.6 | 936.0  | 834.0  | 727.0  | 611.6  | 509.6  | 411.4  | 332.4 | 38.2 |
| 32°   | 1268.1 | 1265.5 | 1209.3 | 1106.9 | 1004.5 | 872.2  | 729.1  | 596.0  | 475.6  | 376.1 | 39.5 |
| 33°   | 1488.4 | 1471.6 | 1392.3 | 1295.8 | 1160.2 | 1027.1 | 842.4  | 690.5  | 541.5  | 424.8 | 40.3 |
| 34°   | 1665.1 | 1619.8 | 1587.1 | 1476.7 | 1333.5 | 1164.0 | 966.3  | 790.4  | 623.7  | 471.8 | 40.7 |
| 35°   | 1794.8 | 1785.2 | 1721.4 | 1618.6 | 1472.9 | 1299.5 | 1099.7 | 894.1  | 692.6  | 526.4 | 40.7 |
| 36°   | 1932.1 | 1902.3 | 1840.2 | 1747.0 | 1605.1 | 1425.9 | 1201.7 | 983.9  | 772.8  | 575.5 | 40.3 |
| 37°   | 2018.2 | 2000.5 | 1938.8 | 1842.7 | 1703.8 | 1532.5 | 1315.9 | 1078.8 | 836.6  | 624.6 | 39.5 |
| 38°   | 2106.7 | 2071.0 | 2010.2 | 1918.3 | 1781.8 | 1621.1 | 1398.6 | 1151.8 | 895.3  | 667.8 | 38.2 |
| 39°   | 2168.0 | 2131.1 | 2068.9 | 1977.4 | 1844.0 | 1684.5 | 1464.1 | 1213.9 | 946.5  | 700.1 | 36.5 |
| 40°   | 2214.2 | 2178.5 | 2115.5 | 2021.5 | 1889.7 | 1734.4 | 1518.7 | 1268.9 | 989.3  | 728.3 | 34.4 |
| 41°   | 2242.7 | 2209.6 | 2147.0 | 2053.4 | 1921.2 | 1762.9 | 1554.3 | 1304.6 | 1018.3 | 747.2 | 32.3 |
| 42°   | 2266.6 | 2232.6 | 2168.8 | 2073.1 | 1940.5 | 1787.3 | 1576.2 | 1327.2 | 1038.0 | 756.8 | 30.6 |
| 43°   | 2280.1 | 2246.1 | 2184.0 | 2086.2 | 1952.3 | 1798.6 | 1587.9 | 1337.7 | 1044.8 | 755.5 | 27.7 |
| 44°   | 2287.6 | 2252.4 | 2189.8 | 2092.0 | 1957.3 | 1801.6 | 1588.7 | 1335.6 | 1040.1 | 745.5 | 25.2 |
| 45°   | 2279.2 | 2244.4 | 2184.0 | 2086.2 | 1948.5 | 1792.3 | 1580.4 | 1324.3 | 1022.5 | 725.7 | 22.2 |
| 46°   | 2224.7 | 2197.8 | 2142.4 | 2052.6 | 1920.8 | 1768.8 | 1558.9 | 1302.5 | 995.2  | 701.4 | 18.9 |
| 47°   | 2128.5 | 2107.1 | 2053.4 | 1986.7 | 1867.5 | 1725.6 | 1519.5 | 1260.9 | 957.0  | 664.9 | 15.1 |
| 48°   | 2028.2 | 1996.7 | 1946.8 | 1878.4 | 1777.6 | 1647.9 | 1454.4 | 1200.1 | 899.1  | 617.0 | 13.4 |
| 49°   | 1880.1 | 1861.6 | 1817.5 | 1741.1 | 1657.6 | 1543.4 | 1362.5 | 1122.0 | 828.2  | 565.0 | 11.8 |
| 50°   | 1744.1 | 1731.5 | 1669.8 | 1613.5 | 1524.9 | 1418.3 | 1237.8 | 1019.2 | 740.0  | 500.3 | 10.5 |
| 51°   | 1637.9 | 1622.7 | 1578.3 | 1508.2 | 1413.7 | 1289.9 | 1119.9 | 885.7  | 638.9  | 423.5 | 8.4  |
| 52°   | 1527.0 | 1518.7 | 1479.2 | 1407.0 | 1314.2 | 1190.8 | 1005.3 | 772.3  | 540.6  | 358.0 | 6.7  |
| 53°   | 1436.4 | 1424.2 | 1375.9 | 1311.7 | 1211.4 | 1083.8 | 881.1  | 667.0  | 457.9  | 301.0 | 5.9  |
| 54°   | 1304.2 | 1299.1 | 1268.1 | 1200.9 | 1092.2 | 953.2  | 768.6  | 561.6  | 382.0  | 255.2 | 5.0  |
| 55°   | 1163.5 | 1146.8 | 1115.3 | 1062.0 | 962.1  | 832.4  | 638.4  | 465.5  | 308.9  | 214.9 | 3.8  |
| 56°   | 992.3  | 991.4  | 935.2  | 890.7  | 802.1  | 664.5  | 510.0  | 363.5  | 251.0  | 179.2 | 3.4  |
| 57°   | 828.6  | 802.1  | 748.0  | 703.9  | 608.6  | 504.1  | 378.6  | 272.4  | 196.4  | 145.2 | 2.5  |
| 58°   | 612.8  | 599.0  | 584.7  | 520.1  | 431.9  | 357.2  | 270.3  | 191.4  | 145.2  | 110.8 | 1.7  |
| 59°   | 416.0  | 415.6  | 398.8  | 349.7  | 298.9  | 222.5  | 168.7  | 130.1  | 99.9   | 81.4  | 1.3  |
| 60°   | 314.0  | 306.4  | 272.8  | 240.5  | 188.0  | 140.6  | 99.9   | 76.8   | 62.1   | 52.5  | 0.8  |
| 62.5° | 110.0  | 114.2  | 100.3  | 83.1   | 63.4   | 52.0   | 39.9   | 32.3   | 26.4   | 21.4  | 0.0  |
| 65°   | 22.7   | 24.8   | 21.4   | 20.1   | 16.0   | 13.9   | 12.2   | 10.5   | 8.8    | 7.6   | 0.0  |



TEST NUMBER: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 2.9 | 2.5  | 2.5 | 2.5  | 2.1 | 2.1   | 2.1 | 2.1   | 1.7 | 1.7   | 0.4 |
| 70°   | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.8 | 0.8   | 0.8 | 0.8   | 0.4 |
| 72.5° | 1.3 | 1.3  | 1.3 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.4   | 0.4 |
| 75°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.4   | 0.4 | 0.4   | 0.4 |
| 77.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 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   | 0.8 |
| 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 |

TEST NUMBER: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 24.3  | 24.3 | 24.3   | 24.3 | 24.3   | 24.3 |
| 2.5°  | 25.6  | 24.8 | 23.5   | 23.1 | 22.7   | 22.7 |
| 5°    | 25.2  | 23.5 | 22.2   | 21.0 | 20.6   | 20.6 |
| 7.5°  | 23.9  | 21.8 | 20.1   | 19.3 | 18.9   | 18.5 |
| 10°   | 22.7  | 19.7 | 18.0   | 17.2 | 17.2   | 17.2 |
| 12.5° | 20.1  | 17.6 | 16.0   | 15.5 | 16.0   | 16.0 |
| 15°   | 18.0  | 15.1 | 14.3   | 14.3 | 14.7   | 15.1 |
| 17.5° | 15.5  | 13.4 | 12.6   | 13.0 | 13.4   | 13.9 |
| 20°   | 13.9  | 11.3 | 11.3   | 11.8 | 13.0   | 13.0 |
| 22.5° | 12.2  | 10.1 | 10.1   | 11.3 | 12.2   | 12.6 |
| 25°   | 10.9  | 8.8  | 9.2    | 10.5 | 11.8   | 12.2 |
| 27.5° | 9.2   | 7.6  | 8.4    | 10.1 | 11.3   | 11.8 |
| 30°   | 8.0   | 6.7  | 8.0    | 9.7  | 10.9   | 11.8 |
| 31°   | 7.6   | 6.3  | 8.0    | 9.2  | 10.9   | 11.8 |
| 32°   | 6.7   | 6.3  | 7.6    | 9.2  | 10.9   | 11.3 |
| 33°   | 6.3   | 5.9  | 7.6    | 9.2  | 10.9   | 11.3 |
| 34°   | 5.9   | 5.5  | 7.1    | 9.2  | 10.9   | 11.3 |
| 35°   | 5.0   | 5.5  | 7.1    | 8.8  | 10.5   | 11.3 |
| 36°   | 4.6   | 5.0  | 7.1    | 8.8  | 10.5   | 11.3 |
| 37°   | 4.2   | 5.0  | 6.7    | 8.8  | 10.5   | 11.3 |
| 38°   | 3.8   | 4.6  | 6.7    | 8.8  | 10.5   | 11.3 |
| 39°   | 3.4   | 4.6  | 6.3    | 8.8  | 10.5   | 11.3 |
| 40°   | 2.9   | 4.2  | 6.3    | 8.4  | 10.5   | 11.3 |
| 41°   | 2.9   | 4.2  | 6.3    | 8.4  | 10.5   | 11.3 |
| 42°   | 2.5   | 4.2  | 6.3    | 8.4  | 10.5   | 11.3 |
| 43°   | 2.1   | 3.8  | 6.3    | 8.4  | 10.5   | 11.3 |
| 44°   | 1.7   | 3.8  | 5.9    | 8.4  | 10.5   | 11.3 |
| 45°   | 1.7   | 3.8  | 5.9    | 8.4  | 10.5   | 11.3 |
| 46°   | 1.3   | 3.4  | 5.9    | 8.4  | 10.5   | 11.3 |
| 47°   | 0.8   | 3.4  | 5.9    | 8.0  | 10.5   | 11.3 |
| 48°   | 0.8   | 3.4  | 5.9    | 8.0  | 10.5   | 11.3 |
| 49°   | 0.8   | 3.4  | 5.5    | 8.0  | 10.5   | 11.3 |
| 50°   | 0.8   | 3.4  | 5.5    | 8.0  | 10.5   | 11.3 |
| 51°   | 0.4   | 2.9  | 5.5    | 8.0  | 10.5   | 11.3 |
| 52°   | 0.4   | 2.9  | 5.5    | 8.0  | 10.5   | 11.8 |
| 53°   | 0.4   | 2.9  | 5.5    | 8.0  | 10.5   | 11.3 |
| 54°   | 0.4   | 2.9  | 5.0    | 8.0  | 10.5   | 11.3 |
| 55°   | 0.4   | 2.9  | 5.0    | 8.0  | 10.5   | 11.3 |
| 56°   | 0.4   | 2.5  | 5.0    | 7.6  | 10.5   | 11.3 |
| 57°   | 0.8   | 2.5  | 5.0    | 7.6  | 10.5   | 10.9 |
| 58°   | 0.8   | 2.5  | 5.0    | 7.6  | 10.1   | 10.9 |
| 59°   | 0.8   | 2.5  | 5.0    | 7.6  | 10.1   | 10.9 |
| 60°   | 0.8   | 2.5  | 4.6    | 7.6  | 10.1   | 10.9 |
| 62.5° | 0.8   | 2.5  | 4.6    | 7.1  | 9.7    | 10.5 |
| 65°   | 0.8   | 2.5  | 4.2    | 6.7  | 9.7    | 10.1 |



TEST NUMBER: P1344384

CATALOG NUMBER: P3A13R259024DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.8   | 2.1 | 4.2    | 6.3  | 9.2    | 9.7  |
| 70°   | 1.3   | 2.1 | 3.8    | 6.3  | 8.8    | 9.2  |
| 72.5° | 1.3   | 2.1 | 3.8    | 5.5  | 8.0    | 8.8  |
| 75°   | 1.3   | 2.1 | 3.4    | 5.0  | 7.6    | 8.0  |
| 77.5° | 1.3   | 2.1 | 2.9    | 4.6  | 6.7    | 7.1  |
| 80°   | 1.7   | 2.1 | 2.5    | 3.8  | 5.9    | 6.3  |
| 82.5° | 1.7   | 2.1 | 2.1    | 2.9  | 4.6    | 5.0  |
| 85°   | 1.3   | 1.7 | 1.7    | 2.1  | 2.9    | 3.4  |
| 87.5° | 1.3   | 1.7 | 1.3    | 0.8  | 1.7    | 1.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)