

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: P1343927

Luminaire Tested: P3A13R209030DE010 E3A451WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R209030DE010 E3A451WH  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

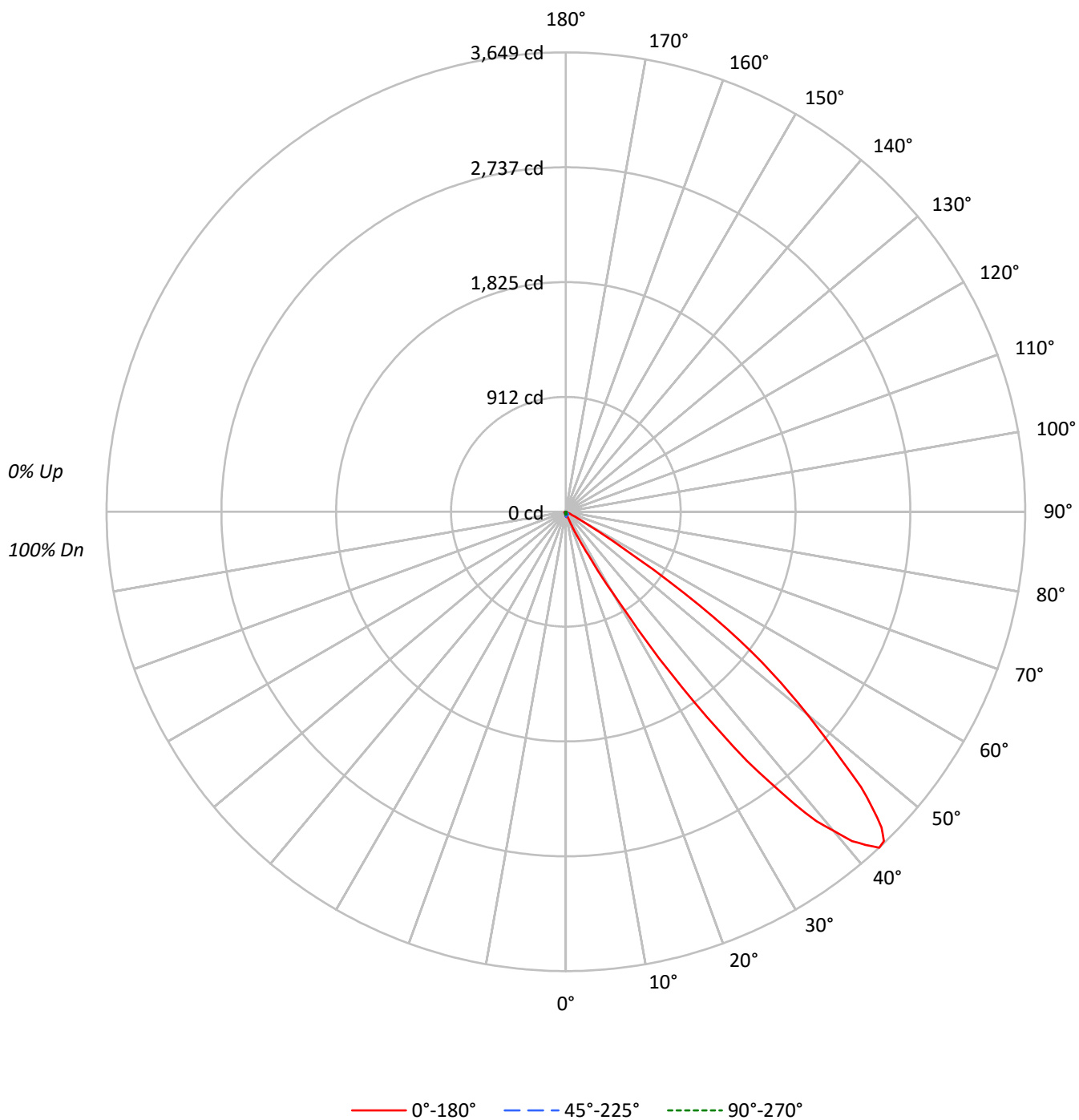
Lumens per Lamp: N/A  
Luminaire Lumens: 507.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**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  | 65  | 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  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 29  |    |    |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 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  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°      | 45°  | 90°  | 135° | 180°  |
|-----|---------|------|------|------|-------|
| 0°  | 7741    | 7741 | 7741 | 7741 | 7741  |
| 5°  | 9025    | 8387 | 7242 | 6295 | 6075  |
| 10° | 8907    | 7637 | 5722 | 4876 | 4765  |
| 15° | 7787    | 5834 | 4222 | 3905 | 4109  |
| 20° | 11574   | 4900 | 3104 | 3337 | 3664  |
| 25° | 49793   | 5081 | 2419 | 3000 | 3581  |
| 30° | 188333  | 6153 | 2051 | 2887 | 3494  |
| 35° | 570881  | 7388 | 1901 | 2945 | 3694  |
| 40° | 946659  | 7357 | 1632 | 3149 | 3950  |
| 45° | 1100331 | 5024 | 1489 | 3256 | 4280  |
| 50° | 854147  | 2763 | 1467 | 3411 | 4878  |
| 55° | 494358  | 1835 | 1453 | 3823 | 5276  |
| 60° | 83590   | 439  | 1272 | 3991 | 5833  |
| 65° | 6434    | 0    | 1505 | 4462 | 6693  |
| 70° | 898     | 0    | 1859 | 4873 | 7629  |
| 75° | 847     | 424  | 2033 | 5676 | 8896  |
| 80° | 631     | 631  | 3031 | 6061 | 10229 |
| 85° | 1258    | 1258 | 4780 | 6038 | 10819 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1100331 cd/sqm

TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.0    | 0.6       |
| 10°-20°   | 6.3    | 1.3       |
| 20°-30°   | 20.2   | 4.0       |
| 30°-40°   | 129.3  | 25.5      |
| 40°-50°   | 236.7  | 46.7      |
| 50°-60°   | 97.2   | 19.2      |
| 60°-70°   | 8.2    | 1.6       |
| 70°-80°   | 4.1    | 0.8       |
| 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°    | 29.6   | 5.8       |
| 0°-40°    | 158.9  | 31.3      |
| 0°-60°    | 492.8  | 97.2      |
| 0°-90°    | 507.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 507.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 35   | 35  | 35  | 35   | 35   |      |
| 5°  | 41   | 38  | 33  | 29   | 28   | 4    |
| 15° | 34   | 26  | 19  | 17   | 18   | 11   |
| 25° | 206  | 21  | 10  | 12   | 15   | 135  |
| 35° | 2133 | 28  | 7   | 11   | 14   | 1350 |
| 45° | 3548 | 16  | 5   | 10   | 14   | 2548 |
| 55° | 1293 | 5   | 4   | 10   | 14   | 1130 |
| 65° | 12   | 0   | 3   | 9    | 13   | 40   |
| 75° | 1    | 0   | 2   | 7    | 10   | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0°    | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3  | 35.3  | 35.3 |
| 2.5°  | 38.6   | 38.6   | 38.6   | 38.1   | 38.1   | 38.6   | 38.1   | 38.1   | 38.1  | 38.1  | 37.6 |
| 5°    | 41.0   | 41.0   | 41.0   | 41.0   | 41.0   | 41.0   | 41.0   | 40.5   | 40.5  | 40.0  | 38.1 |
| 7.5°  | 41.9   | 41.9   | 41.9   | 41.9   | 41.5   | 41.5   | 41.5   | 41.5   | 41.0  | 40.5  | 37.2 |
| 10°   | 40.0   | 40.0   | 40.0   | 39.5   | 39.5   | 39.5   | 39.1   | 39.1   | 38.6  | 38.1  | 34.3 |
| 12.5° | 36.2   | 36.2   | 36.2   | 36.2   | 35.7   | 35.7   | 35.3   | 35.3   | 34.8  | 34.3  | 30.0 |
| 15°   | 34.3   | 34.3   | 34.3   | 33.8   | 33.8   | 33.4   | 32.9   | 32.4   | 31.9  | 31.0  | 25.7 |
| 17.5° | 37.2   | 37.2   | 36.7   | 36.7   | 35.7   | 34.8   | 34.3   | 32.9   | 31.9  | 30.5  | 22.9 |
| 20°   | 49.6   | 50.0   | 48.1   | 46.7   | 45.7   | 42.9   | 41.5   | 39.1   | 37.2  | 34.8  | 21.0 |
| 22.5° | 100.1  | 98.2   | 94.8   | 89.6   | 83.4   | 78.1   | 68.6   | 61.0   | 55.7  | 48.6  | 20.5 |
| 25°   | 205.8  | 203.9  | 194.9  | 187.2  | 168.2  | 153.4  | 132.9  | 116.3  | 99.1  | 82.4  | 21.0 |
| 27.5° | 391.2  | 378.3  | 375.9  | 341.1  | 314.5  | 276.3  | 236.8  | 203.4  | 173.0 | 139.1 | 22.4 |
| 30°   | 743.8  | 729.0  | 677.1  | 624.6  | 552.7  | 471.2  | 393.6  | 321.1  | 260.6 | 205.8 | 24.3 |
| 31°   | 943.9  | 958.2  | 897.2  | 791.9  | 685.6  | 581.3  | 475.0  | 383.1  | 304.9 | 236.8 | 25.3 |
| 32°   | 1240.7 | 1178.3 | 1114.0 | 1005.8 | 851.4  | 718.0  | 584.6  | 452.2  | 349.2 | 270.2 | 26.2 |
| 33°   | 1521.3 | 1484.7 | 1386.5 | 1251.7 | 1066.3 | 879.1  | 706.1  | 533.6  | 403.6 | 310.7 | 26.7 |
| 34°   | 1820.6 | 1780.1 | 1700.5 | 1507.0 | 1303.6 | 1058.2 | 827.6  | 627.5  | 468.4 | 350.2 | 27.2 |
| 35°   | 2132.6 | 2115.5 | 1962.1 | 1794.4 | 1544.2 | 1248.3 | 973.9  | 730.4  | 531.7 | 386.4 | 27.6 |
| 36°   | 2446.6 | 2391.4 | 2271.3 | 2026.4 | 1765.3 | 1424.1 | 1127.3 | 826.2  | 596.1 | 429.3 | 27.6 |
| 37°   | 2683.0 | 2670.6 | 2511.4 | 2272.7 | 1965.9 | 1611.9 | 1259.8 | 932.4  | 660.9 | 466.0 | 27.6 |
| 38°   | 2943.6 | 2894.5 | 2733.0 | 2490.0 | 2154.6 | 1783.9 | 1398.4 | 1024.9 | 722.3 | 499.3 | 27.2 |
| 39°   | 3163.2 | 3090.3 | 2927.4 | 2687.2 | 2319.4 | 1914.4 | 1508.5 | 1114.4 | 776.6 | 527.0 | 26.7 |
| 40°   | 3307.1 | 3256.6 | 3086.5 | 2816.4 | 2469.0 | 2037.8 | 1620.0 | 1188.3 | 817.1 | 547.9 | 25.7 |
| 41°   | 3465.8 | 3381.9 | 3213.7 | 2942.1 | 2577.7 | 2146.5 | 1690.0 | 1236.9 | 848.6 | 561.7 | 24.8 |
| 42°   | 3560.6 | 3492.0 | 3292.3 | 3026.5 | 2655.3 | 2208.4 | 1747.2 | 1274.1 | 867.6 | 568.9 | 22.9 |
| 43°   | 3649.2 | 3555.8 | 3361.4 | 3075.6 | 2706.8 | 2252.2 | 1773.4 | 1291.2 | 871.9 | 568.9 | 20.5 |
| 44°   | 3637.3 | 3548.7 | 3347.1 | 3082.2 | 2718.2 | 2265.1 | 1784.3 | 1291.7 | 865.3 | 561.7 | 18.1 |
| 45°   | 3548.2 | 3460.1 | 3278.5 | 3024.1 | 2677.2 | 2239.8 | 1762.4 | 1272.6 | 846.7 | 549.4 | 16.2 |
| 46°   | 3384.8 | 3297.1 | 3158.0 | 2926.9 | 2601.0 | 2182.7 | 1711.4 | 1231.2 | 815.7 | 529.3 | 14.3 |
| 47°   | 3207.1 | 3121.8 | 2979.3 | 2770.1 | 2470.9 | 2080.7 | 1637.6 | 1173.0 | 772.3 | 500.3 | 12.9 |
| 48°   | 2949.3 | 2895.9 | 2753.0 | 2574.3 | 2290.3 | 1921.1 | 1508.0 | 1078.2 | 714.2 | 462.6 | 11.0 |
| 49°   | 2721.5 | 2665.3 | 2540.0 | 2348.0 | 2055.0 | 1735.3 | 1353.1 | 962.9  | 638.5 | 420.7 | 9.5  |
| 50°   | 2503.8 | 2454.7 | 2338.9 | 2122.2 | 1842.5 | 1510.9 | 1144.0 | 817.6  | 543.2 | 368.8 | 8.1  |
| 51°   | 2290.8 | 2254.1 | 2136.0 | 1936.8 | 1652.8 | 1338.4 | 991.0  | 680.9  | 448.8 | 305.9 | 7.6  |
| 52°   | 2076.9 | 2072.6 | 1944.4 | 1742.9 | 1468.5 | 1166.4 | 842.4  | 574.6  | 380.7 | 256.8 | 7.1  |
| 53°   | 1846.8 | 1819.1 | 1707.2 | 1526.1 | 1262.6 | 987.2  | 714.2  | 484.6  | 327.8 | 218.7 | 6.2  |
| 54°   | 1584.7 | 1553.7 | 1433.7 | 1270.2 | 1031.5 | 808.6  | 575.6  | 391.7  | 273.0 | 184.9 | 5.7  |
| 55°   | 1293.1 | 1240.2 | 1153.0 | 985.3  | 805.7  | 617.0  | 444.5  | 310.2  | 218.2 | 153.9 | 4.8  |
| 56°   | 981.0  | 928.1  | 879.1  | 755.7  | 591.3  | 460.3  | 331.1  | 237.8  | 170.6 | 121.5 | 4.3  |
| 57°   | 682.3  | 679.4  | 598.9  | 504.1  | 395.5  | 313.5  | 226.8  | 167.7  | 120.5 | 94.3  | 3.3  |
| 58°   | 442.6  | 427.9  | 376.4  | 321.6  | 258.7  | 195.8  | 145.8  | 113.9  | 82.0  | 64.3  | 2.9  |
| 59°   | 310.2  | 280.6  | 253.0  | 214.4  | 162.9  | 123.4  | 93.9   | 72.9   | 56.7  | 44.8  | 1.9  |
| 60°   | 190.6  | 184.4  | 165.8  | 130.6  | 105.8  | 87.2   | 70.0   | 53.8   | 41.5  | 31.9  | 1.0  |
| 62.5° | 54.3   | 55.3   | 50.0   | 44.3   | 38.1   | 32.9   | 29.5   | 25.3   | 21.0  | 16.7  | 0.0  |
| 65°   | 12.4   | 11.9   | 12.9   | 11.9   | 11.0   | 11.0   | 9.5    | 8.6    | 7.6   | 7.1   | 0.0  |



TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 3.8 | 3.8  | 3.3 | 3.3  | 3.3 | 2.9   | 2.9 | 2.4   | 2.4 | 1.9   | 0.0 |
| 70°   | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.0   | 1.0 | 1.0   | 0.5 | 0.5   | 0.0 |
| 72.5° | 1.4 | 1.4  | 1.4 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 0.5 | 0.5   | 0.5 |
| 75°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 0.5   | 0.5 | 0.5   | 0.5 |
| 77.5° | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 0.5   | 1.0 | 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   | 0.5 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.0 | 0.0   | 0.5 | 0.5   | 0.5 | 0.0   | 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 |

TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 35.3  | 35.3 | 35.3   | 35.3 | 35.3   | 35.3 |
| 2.5°  | 36.7  | 34.8 | 33.4   | 31.9 | 31.4   | 31.4 |
| 5°    | 35.7  | 32.9 | 30.0   | 28.6 | 27.6   | 27.6 |
| 7.5°  | 32.9  | 29.5 | 26.7   | 25.3 | 24.8   | 24.8 |
| 10°   | 29.5  | 25.7 | 22.9   | 21.9 | 21.9   | 21.4 |
| 12.5° | 25.7  | 21.9 | 20.0   | 19.5 | 19.5   | 19.5 |
| 15°   | 21.4  | 18.6 | 17.2   | 17.2 | 17.6   | 18.1 |
| 17.5° | 18.1  | 15.2 | 14.8   | 15.7 | 16.7   | 16.7 |
| 20°   | 15.2  | 13.3 | 13.3   | 14.3 | 15.2   | 15.7 |
| 22.5° | 12.9  | 11.4 | 11.9   | 13.3 | 14.8   | 15.2 |
| 25°   | 11.4  | 10.0 | 11.0   | 12.4 | 13.8   | 14.8 |
| 27.5° | 9.5   | 9.1  | 10.0   | 11.9 | 13.8   | 14.3 |
| 30°   | 8.1   | 8.1  | 9.5    | 11.4 | 13.3   | 13.8 |
| 31°   | 7.6   | 7.6  | 9.5    | 11.4 | 13.3   | 13.8 |
| 32°   | 7.1   | 7.6  | 9.1    | 11.4 | 13.3   | 13.8 |
| 33°   | 6.7   | 7.1  | 9.1    | 11.0 | 13.3   | 13.8 |
| 34°   | 6.2   | 7.1  | 9.1    | 11.0 | 13.3   | 13.8 |
| 35°   | 5.7   | 7.1  | 9.1    | 11.0 | 13.3   | 13.8 |
| 36°   | 5.2   | 6.7  | 8.6    | 11.0 | 13.3   | 13.8 |
| 37°   | 4.8   | 6.7  | 8.6    | 11.0 | 13.3   | 13.8 |
| 38°   | 4.3   | 6.2  | 8.6    | 11.0 | 13.3   | 13.8 |
| 39°   | 4.3   | 6.2  | 8.1    | 11.0 | 12.9   | 13.8 |
| 40°   | 3.8   | 5.7  | 8.1    | 11.0 | 12.9   | 13.8 |
| 41°   | 3.3   | 5.7  | 8.1    | 10.5 | 12.9   | 13.8 |
| 42°   | 2.9   | 5.2  | 7.6    | 10.5 | 12.9   | 13.8 |
| 43°   | 2.4   | 5.2  | 7.6    | 10.5 | 12.9   | 13.8 |
| 44°   | 2.4   | 4.8  | 7.6    | 10.5 | 12.9   | 13.8 |
| 45°   | 1.9   | 4.8  | 7.6    | 10.5 | 12.9   | 13.8 |
| 46°   | 1.4   | 4.8  | 7.6    | 10.5 | 12.9   | 13.8 |
| 47°   | 1.4   | 4.3  | 7.1    | 10.5 | 12.9   | 13.8 |
| 48°   | 1.0   | 4.3  | 7.1    | 10.5 | 12.9   | 13.8 |
| 49°   | 1.0   | 4.3  | 7.1    | 10.5 | 12.9   | 14.3 |
| 50°   | 1.0   | 4.3  | 7.1    | 10.0 | 12.9   | 14.3 |
| 51°   | 0.5   | 4.3  | 7.1    | 10.0 | 12.9   | 14.3 |
| 52°   | 0.5   | 4.3  | 6.7    | 10.0 | 13.3   | 14.3 |
| 53°   | 0.5   | 3.8  | 6.7    | 10.0 | 13.3   | 14.3 |
| 54°   | 0.5   | 3.8  | 6.7    | 10.0 | 13.3   | 13.8 |
| 55°   | 0.5   | 3.8  | 6.7    | 10.0 | 12.9   | 13.8 |
| 56°   | 0.5   | 3.3  | 6.7    | 10.0 | 12.9   | 13.8 |
| 57°   | 0.5   | 3.3  | 6.2    | 9.5  | 12.9   | 13.3 |
| 58°   | 0.5   | 3.3  | 6.2    | 9.5  | 12.9   | 13.3 |
| 59°   | 0.5   | 3.3  | 6.2    | 9.5  | 12.4   | 13.3 |
| 60°   | 1.0   | 2.9  | 5.7    | 9.1  | 12.4   | 13.3 |
| 62.5° | 1.0   | 2.9  | 5.7    | 9.1  | 11.9   | 12.9 |
| 65°   | 1.0   | 2.9  | 5.2    | 8.6  | 11.9   | 12.9 |



TEST NUMBER: P1343927

CATALOG NUMBER: P3A13R209030DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0   | 2.4 | 4.8    | 8.1  | 11.4   | 12.4 |
| 70°   | 1.0   | 2.9 | 4.8    | 7.6  | 11.0   | 11.9 |
| 72.5° | 1.4   | 2.4 | 4.3    | 7.1  | 10.5   | 11.4 |
| 75°   | 1.4   | 2.4 | 4.3    | 6.7  | 10.0   | 10.5 |
| 77.5° | 1.9   | 2.4 | 3.8    | 5.7  | 9.1    | 9.5  |
| 80°   | 1.9   | 2.4 | 3.3    | 4.8  | 7.6    | 8.1  |
| 82.5° | 1.9   | 2.4 | 2.4    | 3.8  | 5.7    | 6.2  |
| 85°   | 1.4   | 1.9 | 1.9    | 2.4  | 3.8    | 4.3  |
| 87.5° | 1.4   | 1.9 | 1.4    | 1.0  | 1.9    | 1.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)