

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: P1311135

Luminaire Tested: P3SQAS09R259050DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259050DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

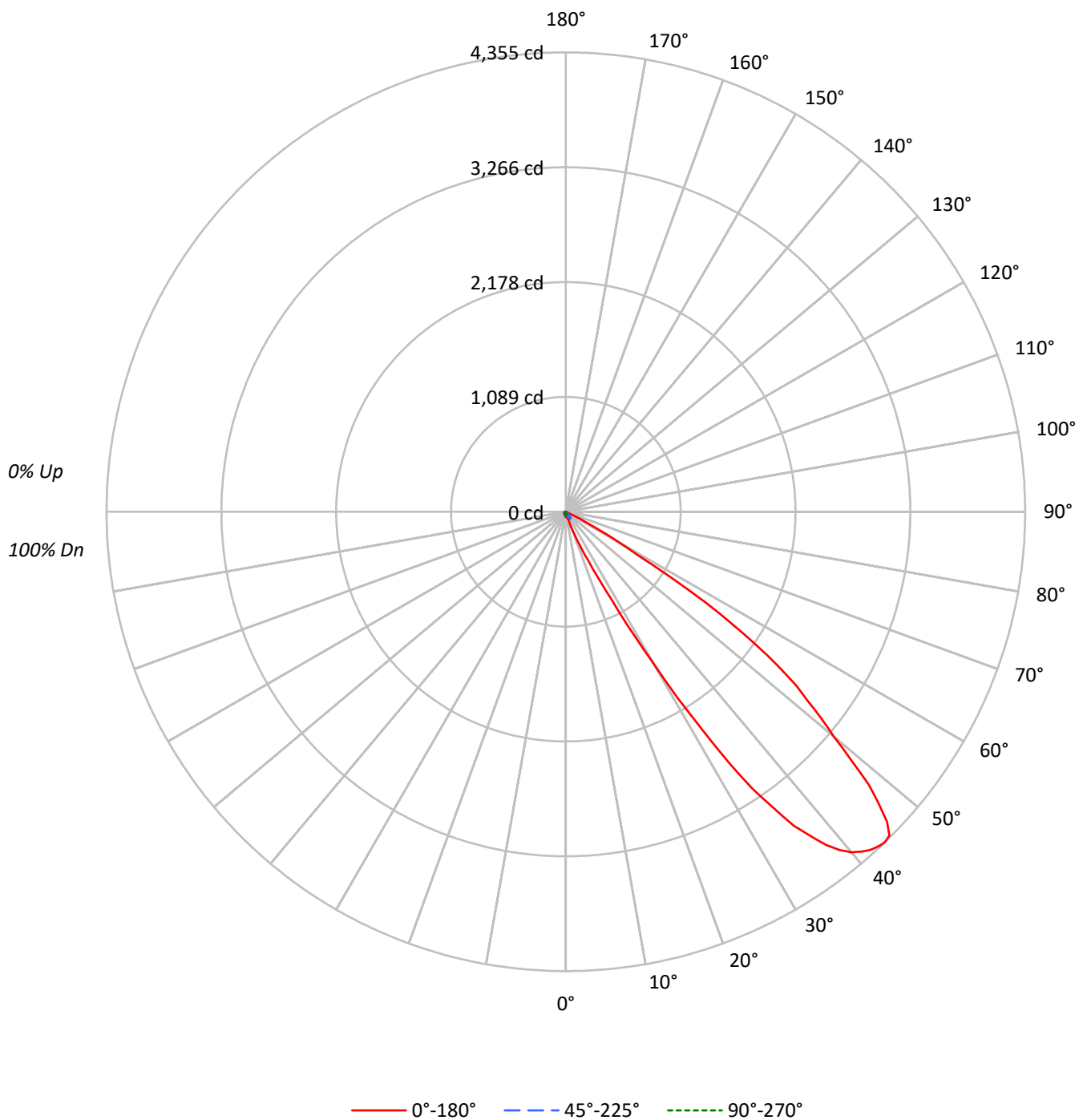
Lumens per Lamp: N/A  
Luminaire Lumens: 908.1 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1311135

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1311135

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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 |    |    |
| 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°  | 7974    | 7974  | 7974 | 7974 | 7974  |
| 5°  | 9111    | 8696  | 7728 | 6915 | 6777  |
| 10° | 9076    | 8237  | 6575 | 5736 | 5736  |
| 15° | 10109   | 7132  | 5135 | 4850 | 5135  |
| 20° | 35739   | 7038  | 3959 | 4105 | 4545  |
| 25° | 102785  | 8950  | 3192 | 3801 | 4409  |
| 30° | 327969  | 13821 | 2545 | 3659 | 4455  |
| 35° | 718323  | 16294 | 2187 | 3532 | 4541  |
| 40° | 947574  | 14726 | 1799 | 3597 | 4856  |
| 45° | 1056732 | 10303 | 1754 | 3897 | 5261  |
| 50° | 889504  | 5359  | 1715 | 4073 | 5787  |
| 55° | 665048  | 2162  | 1681 | 4564 | 6486  |
| 60° | 205875  | 551   | 1653 | 4960 | 7164  |
| 65° | 17564   | 0     | 1956 | 5216 | 7824  |
| 70° | 1209    | 403   | 2014 | 6043 | 8862  |
| 75° | 1065    | 532   | 2662 | 6388 | 10114 |
| 80° | 793     | 793   | 3967 | 7141 | 11901 |
| 85° | 1581    | 1581  | 6323 | 7904 | 12647 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1056732 cd/sqm

TEST NUMBER: P1311135

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.2    | 0.5       |
| 10°-20°   | 10.7   | 1.2       |
| 20°-30°   | 50.2   | 5.5       |
| 30°-40°   | 241.9  | 26.6      |
| 40°-50°   | 379.1  | 41.8      |
| 50°-60°   | 194.4  | 21.4      |
| 60°-70°   | 18.3   | 2.0       |
| 70°-80°   | 6.2    | 0.7       |
| 80°-90°   | 3.1    | 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°    | 65.1   | 7.2       |
| 0°-40°    | 307.0  | 33.8      |
| 0°-60°    | 880.4  | 97.0      |
| 0°-90°    | 908.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 908.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 46   | 46  | 46  | 46   | 46   |      |
| 5°  | 53   | 50  | 45  | 40   | 39   | 5    |
| 15° | 57   | 40  | 29  | 27   | 29   | 24   |
| 25° | 541  | 47  | 17  | 20   | 23   | 336  |
| 35° | 3417 | 78  | 10  | 17   | 22   | 2074 |
| 45° | 4339 | 42  | 7   | 16   | 22   | 3175 |
| 55° | 2215 | 7   | 6   | 15   | 22   | 1844 |
| 65° | 43   | 0   | 5   | 13   | 19   | 135  |
| 75° | 2    | 1   | 4   | 10   | 15   | 2    |
| 85° | 1    | 1   | 3   | 4    | 6    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1311135

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 0°    | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3   | 46.3 |
| 2.5°  | 50.3   | 50.3   | 50.3   | 50.3   | 50.3   | 50.3   | 49.5   | 49.5   | 50.3   | 49.5   | 49.5 |
| 5°    | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 51.9   | 51.9   | 51.9   | 50.3 |
| 7.5°  | 53.5   | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 52.7   | 51.9   | 51.9   | 49.5 |
| 10°   | 51.9   | 51.9   | 51.9   | 51.9   | 51.1   | 51.1   | 51.1   | 50.3   | 50.3   | 50.3   | 47.1 |
| 12.5° | 51.9   | 51.9   | 51.9   | 51.9   | 51.1   | 51.1   | 50.3   | 50.3   | 49.5   | 48.7   | 43.1 |
| 15°   | 56.7   | 56.7   | 56.7   | 55.9   | 55.1   | 54.3   | 53.5   | 52.7   | 51.9   | 50.3   | 40.0 |
| 17.5° | 83.1   | 80.7   | 79.9   | 76.7   | 72.7   | 68.7   | 65.5   | 62.3   | 59.1   | 56.7   | 38.4 |
| 20°   | 195.0  | 194.2  | 190.2  | 180.6  | 170.2  | 158.2  | 146.2  | 132.6  | 113.5  | 100.7  | 38.4 |
| 22.5° | 338.0  | 333.2  | 326.0  | 318.8  | 300.4  | 278.9  | 256.5  | 230.9  | 206.1  | 179.8  | 40.7 |
| 25°   | 540.9  | 552.1  | 528.2  | 509.0  | 477.0  | 437.9  | 395.5  | 360.4  | 315.6  | 274.1  | 47.1 |
| 27.5° | 940.4  | 947.6  | 900.5  | 838.2  | 763.9  | 681.6  | 601.7  | 541.7  | 466.6  | 397.9  | 59.1 |
| 30°   | 1649.2 | 1656.4 | 1577.3 | 1444.6 | 1291.2 | 1156.2 | 973.2  | 812.6  | 664.8  | 550.5  | 69.5 |
| 31°   | 2058.3 | 2002.3 | 1910.5 | 1781.8 | 1587.7 | 1383.9 | 1164.2 | 970.0  | 783.0  | 632.8  | 72.7 |
| 32°   | 2413.8 | 2409.0 | 2302.0 | 2107.0 | 1912.1 | 1660.4 | 1387.9 | 1134.6 | 905.3  | 715.9  | 75.1 |
| 33°   | 2833.3 | 2801.4 | 2650.3 | 2466.6 | 2208.5 | 1955.2 | 1603.6 | 1314.4 | 1030.7 | 808.6  | 76.7 |
| 34°   | 3169.7 | 3083.4 | 3021.1 | 2810.9 | 2538.5 | 2215.7 | 1839.3 | 1504.6 | 1187.3 | 898.1  | 77.5 |
| 35°   | 3416.6 | 3398.2 | 3276.8 | 3081.0 | 2803.8 | 2473.8 | 2093.4 | 1701.9 | 1318.4 | 1002.0 | 77.5 |
| 36°   | 3677.9 | 3621.2 | 3502.9 | 3325.5 | 3055.4 | 2714.3 | 2287.6 | 1872.9 | 1471.0 | 1095.5 | 76.7 |
| 37°   | 3841.7 | 3808.1 | 3690.7 | 3507.7 | 3243.2 | 2917.2 | 2504.9 | 2053.5 | 1592.4 | 1188.9 | 75.1 |
| 38°   | 4010.3 | 3942.4 | 3826.5 | 3651.5 | 3391.8 | 3085.8 | 2662.3 | 2192.5 | 1704.3 | 1271.2 | 72.7 |
| 39°   | 4126.9 | 4056.6 | 3938.4 | 3764.2 | 3510.1 | 3206.5 | 2787.0 | 2310.8 | 1801.8 | 1332.8 | 69.5 |
| 40°   | 4214.8 | 4146.9 | 4027.1 | 3848.1 | 3597.2 | 3301.5 | 2890.8 | 2415.4 | 1883.3 | 1386.3 | 65.5 |
| 41°   | 4269.2 | 4206.0 | 4087.0 | 3908.8 | 3657.1 | 3355.9 | 2958.8 | 2483.3 | 1938.4 | 1422.3 | 61.5 |
| 42°   | 4314.7 | 4250.0 | 4128.5 | 3946.4 | 3693.9 | 3402.2 | 3000.3 | 2526.5 | 1976.0 | 1440.6 | 58.3 |
| 43°   | 4340.3 | 4275.5 | 4157.3 | 3971.1 | 3716.2 | 3423.8 | 3022.7 | 2546.5 | 1988.8 | 1438.2 | 52.7 |
| 44°   | 4354.7 | 4287.5 | 4168.5 | 3982.3 | 3725.8 | 3429.4 | 3024.3 | 2542.5 | 1980.0 | 1419.1 | 47.9 |
| 45°   | 4338.7 | 4272.4 | 4157.3 | 3971.1 | 3709.0 | 3411.8 | 3008.3 | 2520.9 | 1946.4 | 1381.5 | 42.3 |
| 46°   | 4234.8 | 4183.7 | 4078.2 | 3907.2 | 3656.3 | 3367.1 | 2967.6 | 2479.4 | 1894.5 | 1335.2 | 36.0 |
| 47°   | 4051.8 | 4011.1 | 3908.8 | 3781.8 | 3554.8 | 3284.8 | 2892.4 | 2400.3 | 1821.8 | 1265.6 | 28.8 |
| 48°   | 3860.9 | 3800.9 | 3705.8 | 3575.6 | 3383.8 | 3136.9 | 2768.6 | 2284.4 | 1711.5 | 1174.6 | 25.6 |
| 49°   | 3578.8 | 3543.6 | 3459.8 | 3314.3 | 3155.3 | 2938.0 | 2593.6 | 2135.8 | 1576.5 | 1075.5 | 22.4 |
| 50°   | 3319.9 | 3296.0 | 3178.5 | 3071.4 | 2902.8 | 2699.9 | 2356.3 | 1940.0 | 1408.7 | 952.4  | 20.0 |
| 51°   | 3117.8 | 3089.0 | 3004.3 | 2870.9 | 2691.1 | 2455.4 | 2131.8 | 1685.9 | 1216.1 | 806.2  | 16.0 |
| 52°   | 2906.8 | 2890.8 | 2815.7 | 2678.3 | 2501.7 | 2266.8 | 1913.6 | 1470.2 | 1029.1 | 681.6  | 12.8 |
| 53°   | 2734.2 | 2711.1 | 2619.2 | 2496.9 | 2306.0 | 2063.1 | 1677.1 | 1269.6 | 871.7  | 572.9  | 11.2 |
| 54°   | 2482.6 | 2473.0 | 2413.8 | 2286.0 | 2079.0 | 1814.6 | 1463.0 | 1069.1 | 727.1  | 485.8  | 9.6  |
| 55°   | 2214.9 | 2182.9 | 2123.0 | 2021.5 | 1831.4 | 1584.5 | 1215.3 | 886.1  | 588.1  | 409.1  | 7.2  |
| 56°   | 1888.9 | 1887.3 | 1780.2 | 1695.5 | 1526.9 | 1264.8 | 970.8  | 692.0  | 477.8  | 341.2  | 6.4  |
| 57°   | 1577.3 | 1526.9 | 1423.9 | 1340.0 | 1158.6 | 959.6  | 720.7  | 518.6  | 373.9  | 276.5  | 4.8  |
| 58°   | 1166.6 | 1140.2 | 1113.0 | 990.0  | 822.2  | 680.0  | 514.6  | 364.4  | 276.5  | 210.9  | 3.2  |
| 59°   | 791.8  | 791.0  | 759.1  | 665.6  | 568.9  | 423.5  | 321.2  | 247.7  | 190.2  | 155.0  | 2.4  |
| 60°   | 597.7  | 583.3  | 519.4  | 457.8  | 358.0  | 267.7  | 190.2  | 146.2  | 118.3  | 99.9   | 1.6  |
| 62.5° | 209.3  | 217.3  | 191.0  | 158.2  | 120.7  | 99.1   | 75.9   | 61.5   | 50.3   | 40.7   | 0.0  |
| 65°   | 43.1   | 47.1   | 40.7   | 38.4   | 30.4   | 26.4   | 23.2   | 20.0   | 16.8   | 14.4   | 0.0  |



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CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 5.6 | 4.8  | 4.8 | 4.8  | 4.0 | 4.0   | 4.0 | 4.0   | 3.2 | 3.2   | 0.8 |
| 70°   | 2.4 | 2.4  | 2.4 | 2.4  | 2.4 | 2.4   | 1.6 | 1.6   | 1.6 | 1.6   | 0.8 |
| 72.5° | 2.4 | 2.4  | 2.4 | 1.6  | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 | 0.8   | 0.8 |
| 75°   | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 1.6 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 1.6 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.0  | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.8 |
| 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: P1311135

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 46.3  | 46.3 | 46.3   | 46.3 | 46.3   | 46.3 |
| 2.5°  | 48.7  | 47.1 | 44.7   | 43.9 | 43.1   | 43.1 |
| 5°    | 47.9  | 44.7 | 42.3   | 40.0 | 39.2   | 39.2 |
| 7.5°  | 45.5  | 41.5 | 38.4   | 36.8 | 36.0   | 35.2 |
| 10°   | 43.1  | 37.6 | 34.4   | 32.8 | 32.8   | 32.8 |
| 12.5° | 38.4  | 33.6 | 30.4   | 29.6 | 30.4   | 30.4 |
| 15°   | 34.4  | 28.8 | 27.2   | 27.2 | 28.0   | 28.8 |
| 17.5° | 29.6  | 25.6 | 24.0   | 24.8 | 25.6   | 26.4 |
| 20°   | 26.4  | 21.6 | 21.6   | 22.4 | 24.8   | 24.8 |
| 22.5° | 23.2  | 19.2 | 19.2   | 21.6 | 23.2   | 24.0 |
| 25°   | 20.8  | 16.8 | 17.6   | 20.0 | 22.4   | 23.2 |
| 27.5° | 17.6  | 14.4 | 16.0   | 19.2 | 21.6   | 22.4 |
| 30°   | 15.2  | 12.8 | 15.2   | 18.4 | 20.8   | 22.4 |
| 31°   | 14.4  | 12.0 | 15.2   | 17.6 | 20.8   | 22.4 |
| 32°   | 12.8  | 12.0 | 14.4   | 17.6 | 20.8   | 21.6 |
| 33°   | 12.0  | 11.2 | 14.4   | 17.6 | 20.8   | 21.6 |
| 34°   | 11.2  | 10.4 | 13.6   | 17.6 | 20.8   | 21.6 |
| 35°   | 9.6   | 10.4 | 13.6   | 16.8 | 20.0   | 21.6 |
| 36°   | 8.8   | 9.6  | 13.6   | 16.8 | 20.0   | 21.6 |
| 37°   | 8.0   | 9.6  | 12.8   | 16.8 | 20.0   | 21.6 |
| 38°   | 7.2   | 8.8  | 12.8   | 16.8 | 20.0   | 21.6 |
| 39°   | 6.4   | 8.8  | 12.0   | 16.8 | 20.0   | 21.6 |
| 40°   | 5.6   | 8.0  | 12.0   | 16.0 | 20.0   | 21.6 |
| 41°   | 5.6   | 8.0  | 12.0   | 16.0 | 20.0   | 21.6 |
| 42°   | 4.8   | 8.0  | 12.0   | 16.0 | 20.0   | 21.6 |
| 43°   | 4.0   | 7.2  | 12.0   | 16.0 | 20.0   | 21.6 |
| 44°   | 3.2   | 7.2  | 11.2   | 16.0 | 20.0   | 21.6 |
| 45°   | 3.2   | 7.2  | 11.2   | 16.0 | 20.0   | 21.6 |
| 46°   | 2.4   | 6.4  | 11.2   | 16.0 | 20.0   | 21.6 |
| 47°   | 1.6   | 6.4  | 11.2   | 15.2 | 20.0   | 21.6 |
| 48°   | 1.6   | 6.4  | 11.2   | 15.2 | 20.0   | 21.6 |
| 49°   | 1.6   | 6.4  | 10.4   | 15.2 | 20.0   | 21.6 |
| 50°   | 1.6   | 6.4  | 10.4   | 15.2 | 20.0   | 21.6 |
| 51°   | 0.8   | 5.6  | 10.4   | 15.2 | 20.0   | 21.6 |
| 52°   | 0.8   | 5.6  | 10.4   | 15.2 | 20.0   | 22.4 |
| 53°   | 0.8   | 5.6  | 10.4   | 15.2 | 20.0   | 21.6 |
| 54°   | 0.8   | 5.6  | 9.6    | 15.2 | 20.0   | 21.6 |
| 55°   | 0.8   | 5.6  | 9.6    | 15.2 | 20.0   | 21.6 |
| 56°   | 0.8   | 4.8  | 9.6    | 14.4 | 20.0   | 21.6 |
| 57°   | 1.6   | 4.8  | 9.6    | 14.4 | 20.0   | 20.8 |
| 58°   | 1.6   | 4.8  | 9.6    | 14.4 | 19.2   | 20.8 |
| 59°   | 1.6   | 4.8  | 9.6    | 14.4 | 19.2   | 20.8 |
| 60°   | 1.6   | 4.8  | 8.8    | 14.4 | 19.2   | 20.8 |
| 62.5° | 1.6   | 4.8  | 8.8    | 13.6 | 18.4   | 20.0 |
| 65°   | 1.6   | 4.8  | 8.0    | 12.8 | 18.4   | 19.2 |



TEST NUMBER: P1311135

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.6   | 4.0 | 8.0    | 12.0 | 17.6   | 18.4 |
| 70°   | 2.4   | 4.0 | 7.2    | 12.0 | 16.8   | 17.6 |
| 72.5° | 2.4   | 4.0 | 7.2    | 10.4 | 15.2   | 16.8 |
| 75°   | 2.4   | 4.0 | 6.4    | 9.6  | 14.4   | 15.2 |
| 77.5° | 2.4   | 4.0 | 5.6    | 8.8  | 12.8   | 13.6 |
| 80°   | 3.2   | 4.0 | 4.8    | 7.2  | 11.2   | 12.0 |
| 82.5° | 3.2   | 4.0 | 4.0    | 5.6  | 8.8    | 9.6  |
| 85°   | 2.4   | 3.2 | 3.2    | 4.0  | 5.6    | 6.4  |
| 87.5° | 2.4   | 3.2 | 2.4    | 1.6  | 3.2    | 3.2  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)