

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: P1306024

Luminaire Tested: P3SQAS17R159024DE010 E3SQCA451MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159024DE010 E3SQCA451MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

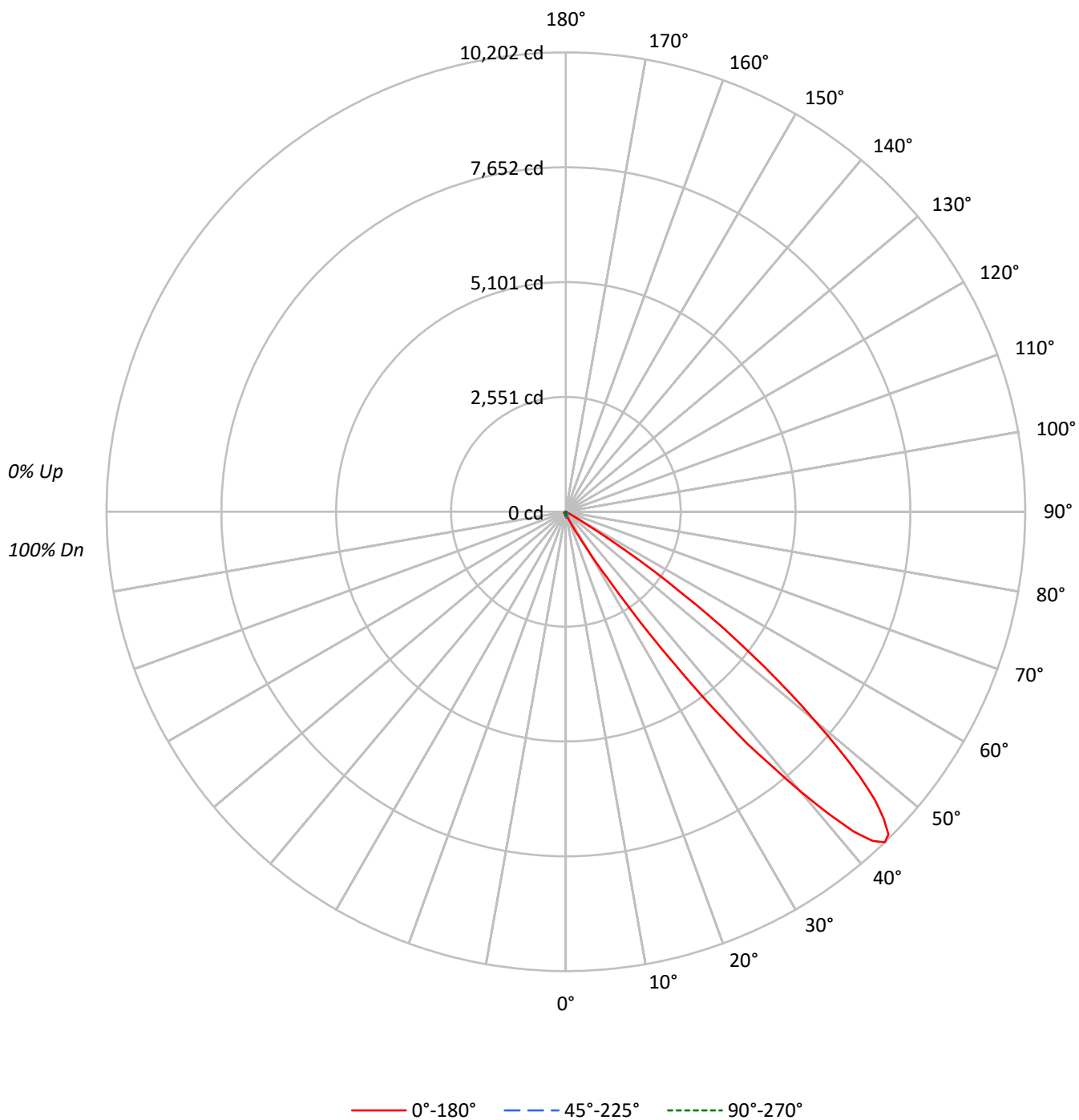
Lumens per Lamp: N/A  
Luminaire Lumens: 1139.0 lumens  
Efficiency: N/A  
Efficacy: 53.7 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1306024

CATALOG NUMBER: P3SQAS17R159024DE010 E3SQCA451MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1306024

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 17412   | 17412 | 17412 | 17412 | 17412 |
| 5°  | 21593   | 19242 | 15715 | 13744 | 13554 |
| 10° | 21248   | 16491 | 12119 | 10720 | 10930 |
| 15° | 17616   | 11750 | 8701  | 8915  | 9521  |
| 20° | 30589   | 9365  | 6653  | 7698  | 8742  |
| 25° | 68201   | 11231 | 5397  | 7126  | 8209  |
| 30° | 203937  | 13781 | 4733  | 7000  | 8591  |
| 35° | 785076  | 15516 | 4289  | 7169  | 9083  |
| 40° | 1822262 | 13534 | 4092  | 7397  | 9712  |
| 45° | 2468184 | 10230 | 3605  | 8013  | 10522 |
| 50° | 1935265 | 6082  | 3644  | 8520  | 11575 |
| 55° | 928887  | 2732  | 3423  | 9218  | 12611 |
| 60° | 84871   | 379   | 3134  | 9782  | 14088 |
| 65° | 9251    | 0     | 2771  | 10188 | 15282 |
| 70° | 2266    | 0     | 3424  | 10877 | 16567 |
| 75° | 2262    | 732   | 4525  | 12111 | 18898 |
| 80° | 2281    | 2281  | 5653  | 12397 | 20233 |
| 85° | 2174    | 2174  | 8892  | 11263 | 22527 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2468184 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.6    | 0.8       |
| 10°-20°   | 18.0   | 1.6       |
| 20°-30°   | 43.0   | 3.8       |
| 30°-40°   | 235.6  | 20.7      |
| 40°-50°   | 570.5  | 50.1      |
| 50°-60°   | 227.6  | 20.0      |
| 60°-70°   | 19.7   | 1.7       |
| 70°-80°   | 11.1   | 1.0       |
| 80°-90°   | 4.9    | 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°    | 69.6   | 6.1       |
| 0°-40°    | 305.2  | 26.8      |
| 0°-60°    | 1103.3 | 96.9      |
| 0°-90°    | 1139.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1139.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45° | 90° | 135° | 180° | Flux |
|-----|-------|-----|-----|------|------|------|
| 0°  | 101   | 101 | 101 | 101  | 101  |      |
| 5°  | 125   | 111 | 91  | 80   | 78   | 12   |
| 15° | 99    | 66  | 49  | 50   | 53   | 34   |
| 25° | 359   | 59  | 28  | 38   | 43   | 216  |
| 35° | 3734  | 74  | 20  | 34   | 43   | 2639 |
| 45° | 10134 | 42  | 15  | 33   | 43   | 7149 |
| 55° | 3094  | 9   | 11  | 31   | 42   | 2882 |
| 65° | 23    | 0   | 7   | 25   | 38   | 58   |
| 75° | 3     | 1   | 7   | 18   | 28   | 3    |
| 85° | 1     | 1   | 4   | 6    | 11   | 1    |
| 90° | 0     | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1306024

CATALOG NUMBER: P3SQAS17R159024DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 101.1   | 101.1  | 101.1  | 101.1  | 101.1  | 101.1  | 101.1  | 101.1  | 101.1  | 101.1 | 101.1 |
| 2.5°  | 113.6   | 113.6  | 114.7  | 113.6  | 113.6  | 113.6  | 113.6  | 112.4  | 112.4  | 112.4 | 109.0 |
| 5°    | 124.9   | 124.9  | 124.9  | 124.9  | 123.8  | 123.8  | 123.8  | 122.7  | 122.7  | 121.5 | 111.3 |
| 7.5°  | 129.5   | 129.5  | 128.3  | 128.3  | 127.2  | 127.2  | 126.1  | 124.9  | 123.8  | 122.7 | 106.8 |
| 10°   | 121.5   | 121.5  | 121.5  | 120.4  | 120.4  | 119.2  | 118.1  | 117.0  | 115.8  | 113.6 | 94.3  |
| 12.5° | 107.9   | 107.9  | 109.0  | 107.9  | 106.8  | 105.6  | 103.3  | 102.2  | 101.1  | 98.8  | 78.4  |
| 15°   | 98.8    | 98.8   | 98.8   | 97.7   | 96.5   | 94.3   | 93.1   | 90.9   | 89.7   | 86.3  | 65.9  |
| 17.5° | 126.1   | 126.1  | 124.9  | 122.7  | 118.1  | 114.7  | 109.0  | 104.5  | 98.8   | 92.0  | 56.8  |
| 20°   | 166.9   | 166.9  | 164.7  | 162.4  | 156.7  | 151.0  | 142.0  | 134.0  | 124.9  | 117.0 | 51.1  |
| 22.5° | 241.9   | 245.3  | 238.5  | 230.5  | 222.6  | 209.0  | 196.5  | 184.0  | 168.1  | 154.5 | 52.2  |
| 25°   | 358.9   | 362.3  | 358.9  | 340.7  | 325.9  | 307.8  | 283.9  | 258.9  | 231.7  | 206.7 | 59.1  |
| 27.5° | 581.5   | 583.7  | 578.1  | 533.8  | 509.9  | 462.2  | 420.2  | 379.3  | 333.9  | 288.5 | 64.7  |
| 30°   | 1025.5  | 1026.7 | 990.3  | 901.7  | 823.4  | 718.9  | 630.3  | 545.1  | 473.6  | 400.9 | 69.3  |
| 31°   | 1350.3  | 1318.5 | 1241.3 | 1134.6 | 1009.6 | 868.8  | 747.3  | 637.1  | 530.4  | 452.0 | 70.4  |
| 32°   | 1714.9  | 1710.3 | 1582.0 | 1396.9 | 1230.0 | 1053.9 | 871.1  | 730.2  | 607.6  | 500.8 | 71.5  |
| 33°   | 2197.6  | 2199.8 | 1997.7 | 1779.6 | 1505.9 | 1269.7 | 1030.1 | 837.0  | 689.4  | 558.8 | 73.8  |
| 34°   | 2951.7  | 2774.5 | 2537.1 | 2241.9 | 1869.3 | 1513.9 | 1202.7 | 960.8  | 763.2  | 614.4 | 73.8  |
| 35°   | 3734.1  | 3555.8 | 3294.6 | 2847.2 | 2336.1 | 1838.7 | 1408.3 | 1093.7 | 851.8  | 674.6 | 73.8  |
| 36°   | 4610.9  | 4459.9 | 4064.6 | 3493.4 | 2841.5 | 2145.3 | 1626.3 | 1247.0 | 939.2  | 729.1 | 72.7  |
| 37°   | 5558.1  | 5336.6 | 4898.2 | 4274.7 | 3402.5 | 2576.9 | 1892.1 | 1399.2 | 1026.7 | 788.2 | 70.4  |
| 38°   | 6520.0  | 6320.1 | 5767.0 | 5011.8 | 4072.6 | 3032.3 | 2157.8 | 1545.7 | 1107.3 | 832.5 | 67.0  |
| 39°   | 7249.1  | 7140.1 | 6591.5 | 5747.7 | 4607.5 | 3463.9 | 2431.5 | 1702.4 | 1192.5 | 876.8 | 63.6  |
| 40°   | 8105.4  | 7929.4 | 7409.2 | 6365.5 | 5240.1 | 3903.4 | 2699.5 | 1841.0 | 1262.9 | 912.0 | 60.2  |
| 41°   | 8886.8  | 8664.2 | 8007.8 | 6999.3 | 5746.6 | 4298.6 | 2953.9 | 1984.1 | 1319.7 | 932.4 | 57.9  |
| 42°   | 9556.8  | 9297.9 | 8611.9 | 7542.1 | 6170.2 | 4614.3 | 3157.2 | 2086.3 | 1373.0 | 949.4 | 54.5  |
| 43°   | 9990.7  | 9766.9 | 9092.3 | 7949.8 | 6532.5 | 4903.9 | 3346.9 | 2193.0 | 1406.0 | 960.8 | 50.0  |
| 44°   | 10201.9 | 9975.9 | 9322.9 | 8205.4 | 6755.1 | 5077.7 | 3469.5 | 2266.8 | 1442.3 | 975.6 | 46.6  |
| 45°   | 10133.8 | 9904.4 | 9272.9 | 8209.9 | 6824.4 | 5140.1 | 3521.8 | 2299.8 | 1461.6 | 989.2 | 42.0  |
| 46°   | 9821.4  | 9660.2 | 9024.2 | 7996.4 | 6692.6 | 5073.1 | 3492.2 | 2274.8 | 1454.8 | 989.2 | 37.5  |
| 47°   | 9383.1  | 9199.1 | 8593.8 | 7629.6 | 6373.5 | 4900.5 | 3373.0 | 2198.7 | 1412.8 | 966.5 | 32.9  |
| 48°   | 8785.7  | 8629.0 | 7993.0 | 7047.0 | 5884.0 | 4524.6 | 3103.8 | 2074.9 | 1346.9 | 922.2 | 28.4  |
| 49°   | 8036.1  | 7818.1 | 7226.4 | 6301.9 | 5245.8 | 3990.8 | 2750.6 | 1865.9 | 1241.3 | 859.7 | 25.0  |
| 50°   | 7223.0  | 6953.8 | 6497.3 | 5555.8 | 4585.9 | 3421.8 | 2286.1 | 1577.5 | 1092.5 | 777.9 | 22.7  |
| 51°   | 6426.9  | 6153.2 | 5718.2 | 4917.5 | 3881.8 | 2839.2 | 1844.4 | 1259.5 | 899.5  | 665.5 | 19.3  |
| 52°   | 5601.2  | 5371.8 | 4884.6 | 4255.4 | 3323.0 | 2300.9 | 1536.6 | 1065.3 | 747.3  | 558.8 | 15.9  |
| 53°   | 4779.0  | 4622.3 | 4158.9 | 3521.8 | 2670.0 | 1879.6 | 1254.9 | 912.0  | 651.9  | 478.1 | 12.5  |
| 54°   | 3955.6  | 3784.1 | 3432.1 | 2864.2 | 2152.1 | 1483.2 | 1064.1 | 763.2  | 565.6  | 416.8 | 11.4  |
| 55°   | 3093.6  | 3005.0 | 2680.2 | 2183.9 | 1630.9 | 1183.4 | 863.1  | 656.4  | 473.6  | 348.7 | 9.1   |
| 56°   | 2382.7  | 2282.7 | 1986.3 | 1584.3 | 1211.8 | 926.7  | 698.4  | 536.0  | 400.9  | 291.9 | 6.8   |
| 57°   | 1560.4  | 1458.2 | 1261.8 | 1106.2 | 882.4  | 675.7  | 533.8  | 422.5  | 325.9  | 241.9 | 5.7   |
| 58°   | 922.2   | 829.1  | 798.4  | 681.4  | 588.3  | 458.8  | 394.1  | 314.6  | 240.8  | 190.8 | 3.4   |
| 59°   | 423.6   | 430.4  | 382.7  | 358.9  | 325.9  | 291.9  | 239.6  | 210.1  | 164.7  | 137.4 | 2.3   |
| 60°   | 246.4   | 232.8  | 227.1  | 203.3  | 180.6  | 160.1  | 144.2  | 127.2  | 103.3  | 88.6  | 1.1   |
| 62.5° | 84.0    | 80.6   | 82.9   | 75.0   | 70.4   | 68.1   | 62.5   | 53.4   | 44.3   | 36.3  | 0.0   |
| 65°   | 22.7    | 22.7   | 21.6   | 20.4   | 19.3   | 18.2   | 17.0   | 14.8   | 13.6   | 11.4  | 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° | 7.9 | 7.9  | 6.8 | 6.8  | 5.7 | 5.7   | 4.5 | 4.5   | 3.4 | 3.4   | 0.0 |
| 70°   | 4.5 | 4.5  | 4.5 | 3.4  | 3.4 | 3.4   | 2.3 | 2.3   | 2.3 | 1.1   | 0.0 |
| 72.5° | 3.4 | 3.4  | 3.4 | 3.4  | 3.4 | 3.4   | 2.3 | 2.3   | 2.3 | 1.1   | 1.1 |
| 75°   | 3.4 | 3.4  | 3.4 | 2.3  | 2.3 | 2.3   | 2.3 | 2.3   | 2.3 | 2.3   | 1.1 |
| 77.5° | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 2.3 | 2.3   | 2.3 | 2.3   | 2.3 |
| 80°   | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 2.3 | 2.3   | 2.3 | 1.1   | 2.3 |
| 82.5° | 1.1 | 1.1  | 1.1 | 1.1  | 1.1 | 1.1   | 1.1 | 1.1   | 1.1 | 1.1   | 2.3 |
| 85°   | 1.1 | 1.1  | 1.1 | 1.1  | 1.1 | 1.1   | 1.1 | 1.1   | 1.1 | 1.1   | 1.1 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.1 |
| 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°    | 101.1 | 101.1 | 101.1  | 101.1 | 101.1  | 101.1 |
| 2.5°  | 104.5 | 99.9  | 94.3   | 90.9  | 89.7   | 88.6  |
| 5°    | 99.9  | 90.9  | 84.0   | 79.5  | 78.4   | 78.4  |
| 7.5°  | 89.7  | 79.5  | 72.7   | 70.4  | 69.3   | 69.3  |
| 10°   | 78.4  | 69.3  | 63.6   | 61.3  | 62.5   | 62.5  |
| 12.5° | 65.9  | 57.9  | 55.6   | 55.6  | 56.8   | 57.9  |
| 15°   | 53.4  | 48.8  | 48.8   | 50.0  | 52.2   | 53.4  |
| 17.5° | 44.3  | 42.0  | 43.2   | 45.4  | 47.7   | 50.0  |
| 20°   | 36.3  | 36.3  | 38.6   | 42.0  | 45.4   | 47.7  |
| 22.5° | 30.7  | 31.8  | 35.2   | 38.6  | 43.2   | 45.4  |
| 25°   | 26.1  | 28.4  | 31.8   | 37.5  | 42.0   | 43.2  |
| 27.5° | 22.7  | 26.1  | 30.7   | 36.3  | 40.9   | 43.2  |
| 30°   | 19.3  | 23.8  | 29.5   | 35.2  | 40.9   | 43.2  |
| 31°   | 18.2  | 22.7  | 28.4   | 35.2  | 40.9   | 43.2  |
| 32°   | 17.0  | 22.7  | 28.4   | 35.2  | 40.9   | 43.2  |
| 33°   | 15.9  | 21.6  | 28.4   | 34.1  | 40.9   | 43.2  |
| 34°   | 14.8  | 21.6  | 28.4   | 35.2  | 40.9   | 43.2  |
| 35°   | 13.6  | 20.4  | 27.3   | 34.1  | 39.7   | 43.2  |
| 36°   | 12.5  | 20.4  | 27.3   | 34.1  | 40.9   | 43.2  |
| 37°   | 11.4  | 20.4  | 27.3   | 34.1  | 39.7   | 43.2  |
| 38°   | 11.4  | 19.3  | 26.1   | 34.1  | 39.7   | 43.2  |
| 39°   | 10.2  | 18.2  | 26.1   | 34.1  | 39.7   | 43.2  |
| 40°   | 9.1   | 18.2  | 25.0   | 32.9  | 39.7   | 43.2  |
| 41°   | 7.9   | 17.0  | 25.0   | 32.9  | 39.7   | 43.2  |
| 42°   | 6.8   | 17.0  | 25.0   | 32.9  | 39.7   | 43.2  |
| 43°   | 5.7   | 15.9  | 23.8   | 32.9  | 39.7   | 43.2  |
| 44°   | 5.7   | 15.9  | 23.8   | 32.9  | 39.7   | 43.2  |
| 45°   | 4.5   | 14.8  | 22.7   | 32.9  | 39.7   | 43.2  |
| 46°   | 4.5   | 14.8  | 22.7   | 31.8  | 39.7   | 43.2  |
| 47°   | 3.4   | 14.8  | 22.7   | 31.8  | 39.7   | 43.2  |
| 48°   | 3.4   | 13.6  | 22.7   | 31.8  | 39.7   | 43.2  |
| 49°   | 2.3   | 13.6  | 22.7   | 31.8  | 39.7   | 43.2  |
| 50°   | 2.3   | 13.6  | 21.6   | 31.8  | 39.7   | 43.2  |
| 51°   | 2.3   | 13.6  | 21.6   | 31.8  | 39.7   | 43.2  |
| 52°   | 2.3   | 12.5  | 21.6   | 31.8  | 39.7   | 43.2  |
| 53°   | 2.3   | 12.5  | 21.6   | 31.8  | 39.7   | 43.2  |
| 54°   | 2.3   | 12.5  | 20.4   | 31.8  | 39.7   | 43.2  |
| 55°   | 2.3   | 11.4  | 20.4   | 30.7  | 39.7   | 42.0  |
| 56°   | 2.3   | 11.4  | 20.4   | 30.7  | 39.7   | 42.0  |
| 57°   | 2.3   | 11.4  | 19.3   | 30.7  | 39.7   | 42.0  |
| 58°   | 2.3   | 10.2  | 19.3   | 29.5  | 38.6   | 42.0  |
| 59°   | 2.3   | 10.2  | 18.2   | 29.5  | 38.6   | 40.9  |
| 60°   | 2.3   | 9.1   | 18.2   | 28.4  | 37.5   | 40.9  |
| 62.5° | 2.3   | 7.9   | 15.9   | 27.3  | 36.3   | 38.6  |
| 65°   | 2.3   | 6.8   | 14.8   | 25.0  | 35.2   | 37.5  |



TEST NUMBER: P1306024

CATALOG NUMBER: P3SQAS17R159024DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 2.3   | 6.8 | 13.6   | 23.8 | 32.9   | 36.3 |
| 70°   | 2.3   | 6.8 | 12.5   | 21.6 | 31.8   | 32.9 |
| 72.5° | 3.4   | 6.8 | 11.4   | 20.4 | 29.5   | 30.7 |
| 75°   | 4.5   | 6.8 | 10.2   | 18.2 | 27.3   | 28.4 |
| 77.5° | 4.5   | 6.8 | 9.1    | 15.9 | 23.8   | 25.0 |
| 80°   | 4.5   | 5.7 | 7.9    | 12.5 | 19.3   | 20.4 |
| 82.5° | 4.5   | 5.7 | 5.7    | 10.2 | 14.8   | 15.9 |
| 85°   | 3.4   | 4.5 | 4.5    | 5.7  | 10.2   | 11.4 |
| 87.5° | 3.4   | 4.5 | 2.3    | 3.4  | 4.5    | 4.5  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)