

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: P1305699

Luminaire Tested: P3SQAS09R159024DE010 E3SQCA451MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305699  
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: P3SQAS09R159024DE010 E3SQCA451MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

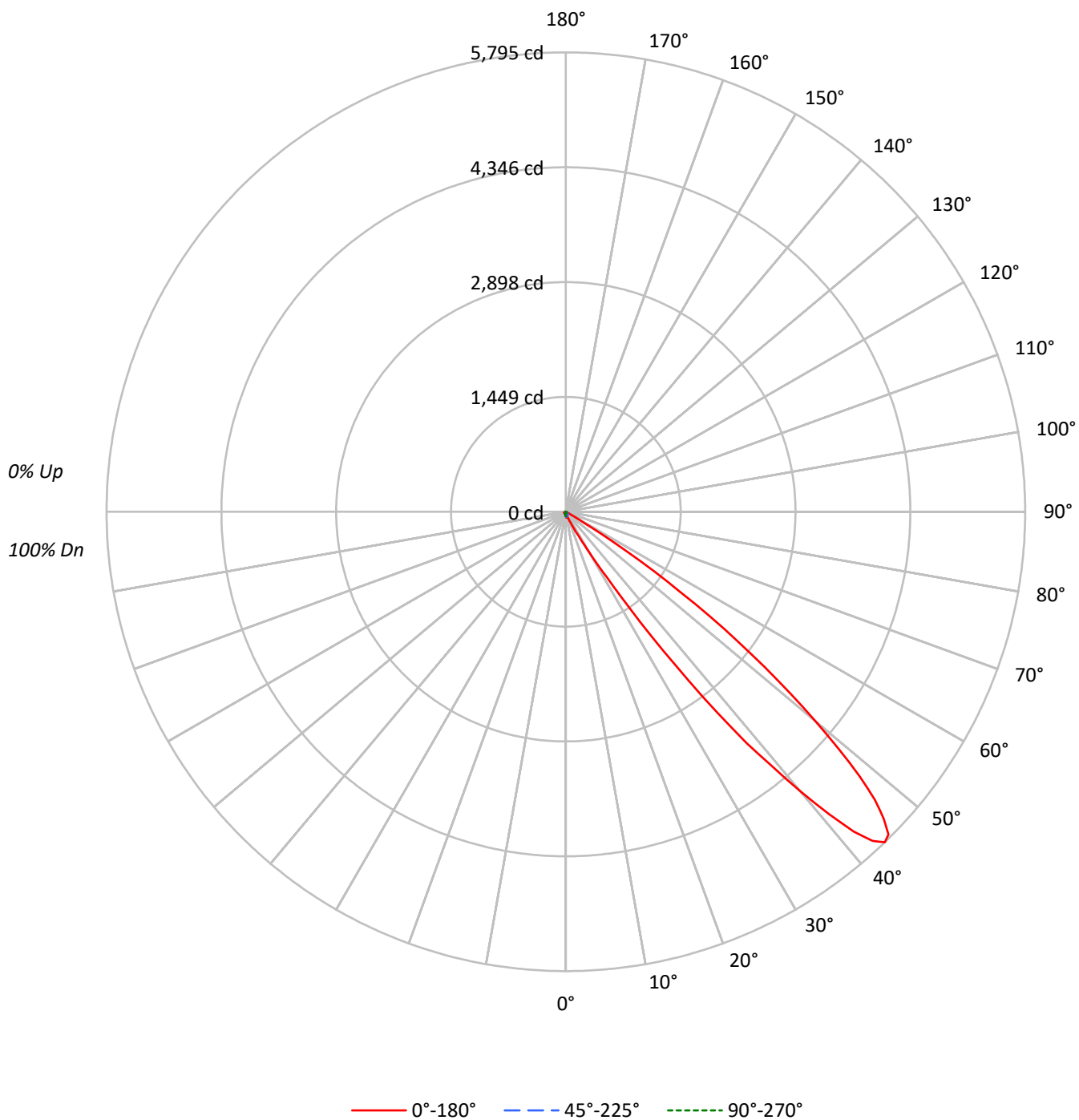
Lumens per Lamp: N/A  
Luminaire Lumens: 647.0 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.09  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1305699

CATALOG NUMBER: P3SQAS09R159024DE010 E3SQCA451MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1305699

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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  | 0   |
| 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  | 107 | 104 | 100 | 97  | 100 | 97  | 94  |  | 96  | 93  | 91  |  | 92  | 90  | 89  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  |  | 84  | 80  | 77  |  | 81  | 78  | 75  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  |  | 74  | 68  | 64  |  | 71  | 67  | 63  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  |  | 64  | 58  | 53  |  | 62  | 57  | 53  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  |  | 56  | 50  | 44  |  | 55  | 49  | 44  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  |  | 49  | 42  | 37  |  | 48  | 42  | 37  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  |  | 44  | 36  | 31  |  | 42  | 36  | 31  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  |  | 39  | 31  | 26  |  | 37  | 31  | 26  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  |  | 34  | 27  | 22  |  | 33  | 27  | 22  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  |  | 31  | 24  | 19  |  | 30  | 23  | 19  | 17  |

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

|     | 0°      | 45°   | 90°  | 135° | 180°  |
|-----|---------|-------|------|------|-------|
| 0°  | 9886    | 9886  | 9886 | 9886 | 9886  |
| 5°  | 12275   | 10926 | 8921 | 7814 | 7693  |
| 10° | 12067   | 9356  | 6890 | 6086 | 6208  |
| 15° | 10003   | 6668  | 4939 | 5064 | 5402  |
| 20° | 17375   | 5315  | 3775 | 4380 | 4967  |
| 25° | 38746   | 6366  | 3059 | 4048 | 4656  |
| 30° | 115839  | 7835  | 2685 | 3977 | 4872  |
| 35° | 445972  | 8809  | 2439 | 4079 | 5151  |
| 40° | 1035119 | 7689  | 2316 | 4204 | 5508  |
| 45° | 1402026 | 5821  | 2046 | 4555 | 5967  |
| 50° | 1099320 | 3456  | 2063 | 4850 | 6564  |
| 55° | 527649  | 1561  | 1952 | 5225 | 7176  |
| 60° | 48222   | 207   | 1791 | 5546 | 7991  |
| 65° | 5257    | 0     | 1589 | 5787 | 8680  |
| 70° | 1309    | 0     | 1964 | 6194 | 9416  |
| 75° | 1264    | 399   | 2595 | 6854 | 10713 |
| 80° | 1289    | 1289  | 3174 | 7042 | 11505 |
| 85° | 1186    | 1186  | 5138 | 6323 | 12844 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1402026 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.9    | 0.8       |
| 10°-20°   | 10.2   | 1.6       |
| 20°-30°   | 24.4   | 3.8       |
| 30°-40°   | 133.8  | 20.7      |
| 40°-50°   | 324.1  | 50.1      |
| 50°-60°   | 129.3  | 20.0      |
| 60°-70°   | 11.2   | 1.7       |
| 70°-80°   | 6.3    | 1.0       |
| 80°-90°   | 2.8    | 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°    | 39.5   | 6.1       |
| 0°-40°    | 173.4  | 26.8      |
| 0°-60°    | 626.7  | 96.9      |
| 0°-90°    | 647.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 647.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 57   | 57  | 57  | 57   | 57   |      |
| 5°  | 71   | 63  | 52  | 45   | 44   | 7    |
| 15° | 56   | 37  | 28  | 28   | 30   | 20   |
| 25° | 204  | 34  | 16  | 21   | 24   | 123  |
| 35° | 2121 | 42  | 12  | 19   | 24   | 1499 |
| 45° | 5756 | 24  | 8   | 19   | 24   | 4061 |
| 55° | 1757 | 5   | 6   | 17   | 24   | 1637 |
| 65° | 13   | 0   | 4   | 14   | 21   | 33   |
| 75° | 2    | 1   | 4   | 10   | 16   | 2    |
| 85° | 1    | 1   | 3   | 3    | 6    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0°    | 57.4   | 57.4   | 57.4   | 57.4   | 57.4   | 57.4   | 57.4   | 57.4   | 57.4  | 57.4  | 57.4 |
| 2.5°  | 64.5   | 64.5   | 65.2   | 64.5   | 64.5   | 64.5   | 64.5   | 63.9   | 63.9  | 63.9  | 61.9 |
| 5°    | 71.0   | 71.0   | 71.0   | 71.0   | 70.3   | 70.3   | 70.3   | 69.7   | 69.7  | 69.0  | 63.2 |
| 7.5°  | 73.5   | 73.5   | 72.9   | 72.9   | 72.3   | 72.3   | 71.6   | 71.0   | 70.3  | 69.7  | 60.6 |
| 10°   | 69.0   | 69.0   | 69.0   | 68.4   | 68.4   | 67.7   | 67.1   | 66.4   | 65.8  | 64.5  | 53.5 |
| 12.5° | 61.3   | 61.3   | 61.9   | 61.3   | 60.6   | 60.0   | 58.7   | 58.1   | 57.4  | 56.1  | 44.5 |
| 15°   | 56.1   | 56.1   | 56.1   | 55.5   | 54.8   | 53.5   | 52.9   | 51.6   | 51.0  | 49.0  | 37.4 |
| 17.5° | 71.6   | 71.6   | 71.0   | 69.7   | 67.1   | 65.2   | 61.9   | 59.4   | 56.1  | 52.3  | 32.3 |
| 20°   | 94.8   | 94.8   | 93.5   | 92.3   | 89.0   | 85.8   | 80.6   | 76.1   | 71.0  | 66.4  | 29.0 |
| 22.5° | 137.4  | 139.3  | 135.5  | 131.0  | 126.4  | 118.7  | 111.6  | 104.5  | 95.5  | 87.7  | 29.7 |
| 25°   | 203.9  | 205.8  | 203.9  | 193.5  | 185.1  | 174.8  | 161.3  | 147.1  | 131.6 | 117.4 | 33.5 |
| 27.5° | 330.3  | 331.6  | 328.4  | 303.2  | 289.7  | 262.6  | 238.7  | 215.5  | 189.7 | 163.9 | 36.8 |
| 30°   | 582.5  | 583.2  | 562.5  | 512.2  | 467.7  | 408.4  | 358.0  | 309.7  | 269.0 | 227.7 | 39.4 |
| 31°   | 767.0  | 749.0  | 705.1  | 644.5  | 573.5  | 493.5  | 424.5  | 361.9  | 301.3 | 256.8 | 40.0 |
| 32°   | 974.1  | 971.6  | 898.7  | 793.5  | 698.7  | 598.7  | 494.8  | 414.8  | 345.1 | 284.5 | 40.6 |
| 33°   | 1248.3 | 1249.6 | 1134.8 | 1010.9 | 855.4  | 721.2  | 585.1  | 475.5  | 391.6 | 317.4 | 41.9 |
| 34°   | 1676.7 | 1576.0 | 1441.2 | 1273.5 | 1061.9 | 859.9  | 683.2  | 545.8  | 433.5 | 349.0 | 41.9 |
| 35°   | 2121.2 | 2019.9 | 1871.5 | 1617.3 | 1327.0 | 1044.4 | 799.9  | 621.3  | 483.8 | 383.2 | 41.9 |
| 36°   | 2619.2 | 2533.4 | 2308.9 | 1984.4 | 1614.1 | 1218.6 | 923.8  | 708.3  | 533.5 | 414.2 | 41.3 |
| 37°   | 3157.2 | 3031.4 | 2782.4 | 2428.2 | 1932.8 | 1463.8 | 1074.8 | 794.8  | 583.2 | 447.7 | 40.0 |
| 38°   | 3703.6 | 3590.1 | 3275.9 | 2846.9 | 2313.4 | 1722.5 | 1225.7 | 878.0  | 629.0 | 472.9 | 38.1 |
| 39°   | 4117.8 | 4055.9 | 3744.3 | 3265.0 | 2617.3 | 1967.6 | 1381.2 | 967.0  | 677.4 | 498.0 | 36.1 |
| 40°   | 4604.2 | 4504.2 | 4208.8 | 3615.9 | 2976.6 | 2217.3 | 1533.4 | 1045.7 | 717.4 | 518.0 | 34.2 |
| 41°   | 5048.1 | 4921.6 | 4548.7 | 3975.9 | 3264.3 | 2441.8 | 1678.0 | 1127.0 | 749.6 | 529.6 | 32.9 |
| 42°   | 5428.7 | 5281.6 | 4891.9 | 4284.2 | 3504.9 | 2621.1 | 1793.4 | 1185.1 | 779.9 | 539.3 | 31.0 |
| 43°   | 5675.1 | 5548.0 | 5164.8 | 4515.8 | 3710.7 | 2785.6 | 1901.2 | 1245.7 | 798.7 | 545.8 | 28.4 |
| 44°   | 5795.1 | 5666.7 | 5295.8 | 4661.0 | 3837.2 | 2884.3 | 1970.8 | 1287.7 | 819.3 | 554.2 | 26.4 |
| 45°   | 5756.4 | 5626.1 | 5267.4 | 4663.6 | 3876.5 | 2919.8 | 2000.5 | 1306.4 | 830.3 | 561.9 | 23.9 |
| 46°   | 5579.0 | 5487.4 | 5126.1 | 4542.3 | 3801.7 | 2881.8 | 1983.7 | 1292.2 | 826.4 | 561.9 | 21.3 |
| 47°   | 5330.0 | 5225.5 | 4881.6 | 4333.9 | 3620.4 | 2783.7 | 1916.0 | 1249.0 | 802.5 | 549.0 | 18.7 |
| 48°   | 4990.6 | 4901.6 | 4540.4 | 4003.0 | 3342.4 | 2570.2 | 1763.1 | 1178.6 | 765.1 | 523.8 | 16.1 |
| 49°   | 4564.9 | 4441.0 | 4104.9 | 3579.8 | 2979.8 | 2267.0 | 1562.5 | 1059.9 | 705.1 | 488.4 | 14.2 |
| 50°   | 4103.0 | 3950.1 | 3690.7 | 3155.9 | 2605.0 | 1943.7 | 1298.6 | 896.1  | 620.6 | 441.9 | 12.9 |
| 51°   | 3650.7 | 3495.3 | 3248.2 | 2793.4 | 2205.0 | 1612.8 | 1047.7 | 715.4  | 510.9 | 378.0 | 11.0 |
| 52°   | 3181.7 | 3051.4 | 2774.7 | 2417.3 | 1887.6 | 1307.0 | 872.8  | 605.1  | 424.5 | 317.4 | 9.0  |
| 53°   | 2714.7 | 2625.6 | 2362.4 | 2000.5 | 1516.7 | 1067.7 | 712.9  | 518.0  | 370.3 | 271.6 | 7.1  |
| 54°   | 2247.0 | 2149.5 | 1949.6 | 1627.0 | 1222.5 | 842.5  | 604.5  | 433.5  | 321.3 | 236.8 | 6.5  |
| 55°   | 1757.3 | 1707.0 | 1522.5 | 1240.6 | 926.4  | 672.2  | 490.3  | 372.9  | 269.0 | 198.1 | 5.2  |
| 56°   | 1353.5 | 1296.7 | 1128.3 | 899.9  | 688.3  | 526.4  | 396.7  | 304.5  | 227.7 | 165.8 | 3.9  |
| 57°   | 886.4  | 828.3  | 716.7  | 628.3  | 501.3  | 383.8  | 303.2  | 240.0  | 185.1 | 137.4 | 3.2  |
| 58°   | 523.8  | 470.9  | 453.5  | 387.1  | 334.2  | 260.6  | 223.9  | 178.7  | 136.8 | 108.4 | 1.9  |
| 59°   | 240.6  | 244.5  | 217.4  | 203.9  | 185.1  | 165.8  | 136.1  | 119.3  | 93.5  | 78.1  | 1.3  |
| 60°   | 140.0  | 132.2  | 129.0  | 115.5  | 102.6  | 91.0   | 81.9   | 72.3   | 58.7  | 50.3  | 0.6  |
| 62.5° | 47.7   | 45.8   | 47.1   | 42.6   | 40.0   | 38.7   | 35.5   | 30.3   | 25.2  | 20.6  | 0.0  |
| 65°   | 12.9   | 12.9   | 12.3   | 11.6   | 11.0   | 10.3   | 9.7    | 8.4    | 7.7   | 6.5   | 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° | 4.5 | 4.5  | 3.9 | 3.9  | 3.2 | 3.2   | 2.6 | 2.6   | 1.9 | 1.9   | 0.0 |
| 70°   | 2.6 | 2.6  | 2.6 | 1.9  | 1.9 | 1.9   | 1.3 | 1.3   | 1.3 | 0.6   | 0.0 |
| 72.5° | 1.9 | 1.9  | 1.9 | 1.9  | 1.9 | 1.9   | 1.3 | 1.3   | 1.3 | 0.6   | 0.6 |
| 75°   | 1.9 | 1.9  | 1.9 | 1.3  | 1.3 | 1.3   | 1.3 | 1.3   | 1.3 | 1.3   | 0.6 |
| 77.5° | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 1.3 | 1.3   | 1.3 | 1.3   | 1.3 |
| 80°   | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 1.3 | 1.3   | 1.3 | 0.6   | 1.3 |
| 82.5° | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 1.3 |
| 85°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.6 |
| 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°    | 57.4  | 57.4 | 57.4   | 57.4 | 57.4   | 57.4 |
| 2.5°  | 59.4  | 56.8 | 53.5   | 51.6 | 51.0   | 50.3 |
| 5°    | 56.8  | 51.6 | 47.7   | 45.2 | 44.5   | 44.5 |
| 7.5°  | 51.0  | 45.2 | 41.3   | 40.0 | 39.4   | 39.4 |
| 10°   | 44.5  | 39.4 | 36.1   | 34.8 | 35.5   | 35.5 |
| 12.5° | 37.4  | 32.9 | 31.6   | 31.6 | 32.3   | 32.9 |
| 15°   | 30.3  | 27.7 | 27.7   | 28.4 | 29.7   | 30.3 |
| 17.5° | 25.2  | 23.9 | 24.5   | 25.8 | 27.1   | 28.4 |
| 20°   | 20.6  | 20.6 | 21.9   | 23.9 | 25.8   | 27.1 |
| 22.5° | 17.4  | 18.1 | 20.0   | 21.9 | 24.5   | 25.8 |
| 25°   | 14.8  | 16.1 | 18.1   | 21.3 | 23.9   | 24.5 |
| 27.5° | 12.9  | 14.8 | 17.4   | 20.6 | 23.2   | 24.5 |
| 30°   | 11.0  | 13.5 | 16.8   | 20.0 | 23.2   | 24.5 |
| 31°   | 10.3  | 12.9 | 16.1   | 20.0 | 23.2   | 24.5 |
| 32°   | 9.7   | 12.9 | 16.1   | 20.0 | 23.2   | 24.5 |
| 33°   | 9.0   | 12.3 | 16.1   | 19.4 | 23.2   | 24.5 |
| 34°   | 8.4   | 12.3 | 16.1   | 20.0 | 23.2   | 24.5 |
| 35°   | 7.7   | 11.6 | 15.5   | 19.4 | 22.6   | 24.5 |
| 36°   | 7.1   | 11.6 | 15.5   | 19.4 | 23.2   | 24.5 |
| 37°   | 6.5   | 11.6 | 15.5   | 19.4 | 22.6   | 24.5 |
| 38°   | 6.5   | 11.0 | 14.8   | 19.4 | 22.6   | 24.5 |
| 39°   | 5.8   | 10.3 | 14.8   | 19.4 | 22.6   | 24.5 |
| 40°   | 5.2   | 10.3 | 14.2   | 18.7 | 22.6   | 24.5 |
| 41°   | 4.5   | 9.7  | 14.2   | 18.7 | 22.6   | 24.5 |
| 42°   | 3.9   | 9.7  | 14.2   | 18.7 | 22.6   | 24.5 |
| 43°   | 3.2   | 9.0  | 13.5   | 18.7 | 22.6   | 24.5 |
| 44°   | 3.2   | 9.0  | 13.5   | 18.7 | 22.6   | 24.5 |
| 45°   | 2.6   | 8.4  | 12.9   | 18.7 | 22.6   | 24.5 |
| 46°   | 2.6   | 8.4  | 12.9   | 18.1 | 22.6   | 24.5 |
| 47°   | 1.9   | 8.4  | 12.9   | 18.1 | 22.6   | 24.5 |
| 48°   | 1.9   | 7.7  | 12.9   | 18.1 | 22.6   | 24.5 |
| 49°   | 1.3   | 7.7  | 12.9   | 18.1 | 22.6   | 24.5 |
| 50°   | 1.3   | 7.7  | 12.3   | 18.1 | 22.6   | 24.5 |
| 51°   | 1.3   | 7.7  | 12.3   | 18.1 | 22.6   | 24.5 |
| 52°   | 1.3   | 7.1  | 12.3   | 18.1 | 22.6   | 24.5 |
| 53°   | 1.3   | 7.1  | 12.3   | 18.1 | 22.6   | 24.5 |
| 54°   | 1.3   | 7.1  | 11.6   | 18.1 | 22.6   | 24.5 |
| 55°   | 1.3   | 6.5  | 11.6   | 17.4 | 22.6   | 23.9 |
| 56°   | 1.3   | 6.5  | 11.6   | 17.4 | 22.6   | 23.9 |
| 57°   | 1.3   | 6.5  | 11.0   | 17.4 | 22.6   | 23.9 |
| 58°   | 1.3   | 5.8  | 11.0   | 16.8 | 21.9   | 23.9 |
| 59°   | 1.3   | 5.8  | 10.3   | 16.8 | 21.9   | 23.2 |
| 60°   | 1.3   | 5.2  | 10.3   | 16.1 | 21.3   | 23.2 |
| 62.5° | 1.3   | 4.5  | 9.0    | 15.5 | 20.6   | 21.9 |
| 65°   | 1.3   | 3.9  | 8.4    | 14.2 | 20.0   | 21.3 |



TEST NUMBER: P1305699

CATALOG NUMBER: P3SQAS09R159024DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.3   | 3.9 | 7.7    | 13.5 | 18.7   | 20.6 |
| 70°   | 1.3   | 3.9 | 7.1    | 12.3 | 18.1   | 18.7 |
| 72.5° | 1.9   | 3.9 | 6.5    | 11.6 | 16.8   | 17.4 |
| 75°   | 2.6   | 3.9 | 5.8    | 10.3 | 15.5   | 16.1 |
| 77.5° | 2.6   | 3.9 | 5.2    | 9.0  | 13.5   | 14.2 |
| 80°   | 2.6   | 3.2 | 4.5    | 7.1  | 11.0   | 11.6 |
| 82.5° | 2.6   | 3.2 | 3.2    | 5.8  | 8.4    | 9.0  |
| 85°   | 1.9   | 2.6 | 2.6    | 3.2  | 5.8    | 6.5  |
| 87.5° | 1.9   | 2.6 | 1.3    | 1.9  | 2.6    | 2.6  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)