

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: P1313872

Luminaire Tested: P3SQAS02R259735DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313872  
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: P3SQAS02R259735DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

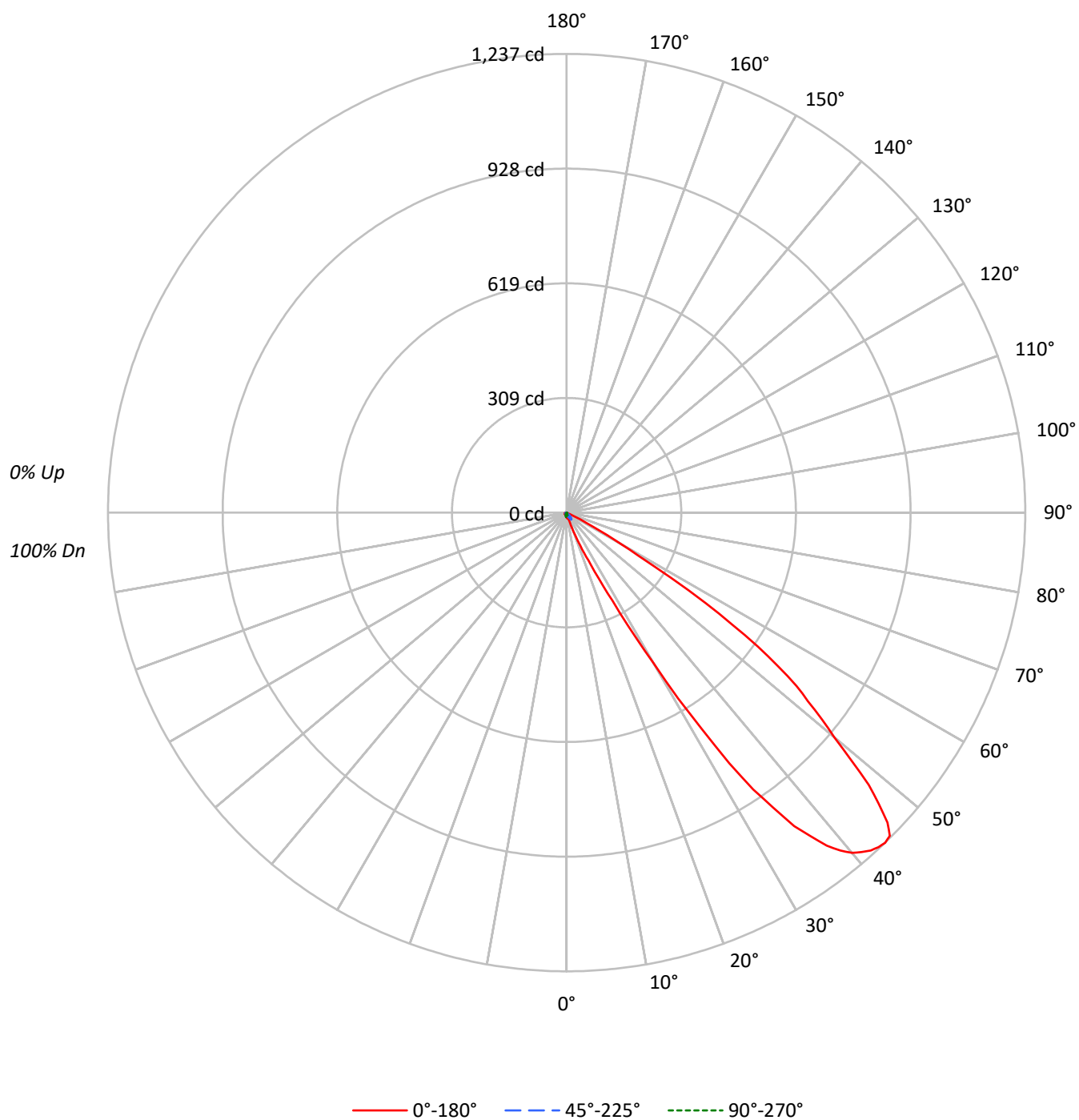
Lumens per Lamp: N/A  
Luminaire Lumens: 258.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: P1313872

CATALOG NUMBER: P3SQAS02R259735DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



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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°  | 2273   | 2273 | 2273 | 2273 | 2273 |
| 5°  | 2593   | 2472 | 2196 | 1971 | 1919 |
| 10° | 2588   | 2343 | 1871 | 1626 | 1626 |
| 15° | 2871   | 2033 | 1462 | 1373 | 1462 |
| 20° | 10153  | 1998 | 1118 | 1173 | 1283 |
| 25° | 29207  | 2546 | 912  | 1083 | 1254 |
| 30° | 93188  | 3938 | 716  | 1034 | 1273 |
| 35° | 204106 | 4625 | 631  | 1009 | 1282 |
| 40° | 269245 | 4182 | 517  | 1012 | 1371 |
| 45° | 300260 | 2923 | 487  | 1096 | 1486 |
| 50° | 252739 | 1527 | 482  | 1152 | 1634 |
| 55° | 188954 | 601  | 480  | 1291 | 1832 |
| 60° | 58487  | 172  | 482  | 1412 | 2032 |
| 65° | 5012   | 0    | 571  | 1467 | 2201 |
| 70° | 352    | 101  | 554  | 1712 | 2518 |
| 75° | 333    | 133  | 732  | 1797 | 2861 |
| 80° | 198    | 198  | 1091 | 1984 | 3372 |
| 85° | 395    | 395  | 1778 | 2174 | 3557 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 300260 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.2    | 0.5       |
| 10°-20°   | 3.0    | 1.2       |
| 20°-30°   | 14.3   | 5.5       |
| 30°-40°   | 68.7   | 26.6      |
| 40°-50°   | 107.7  | 41.8      |
| 50°-60°   | 55.2   | 21.4      |
| 60°-70°   | 5.2    | 2.0       |
| 70°-80°   | 1.7    | 0.7       |
| 80°-90°   | 0.9    | 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°    | 18.5   | 7.2       |
| 0°-40°    | 87.2   | 33.8      |
| 0°-60°    | 250.2  | 97.0      |
| 0°-90°    | 258.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 258.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 13   | 13  | 13  | 13   | 13   |      |
| 5°  | 15   | 14  | 13  | 11   | 11   | 1    |
| 15° | 16   | 11  | 8   | 8    | 8    | 7    |
| 25° | 154  | 13  | 5   | 6    | 7    | 95   |
| 35° | 971  | 22  | 3   | 5    | 6    | 589  |
| 45° | 1233 | 12  | 2   | 4    | 6    | 902  |
| 55° | 629  | 2   | 2   | 4    | 6    | 524  |
| 65° | 12   | 0   | 1   | 4    | 5    | 38   |
| 75° | 0    | 0   | 1   | 3    | 4    | 1    |
| 85° | 0    | 0   | 1   | 1    | 2    | 0    |
| 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°    | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2 |
| 2.5°  | 14.3   | 14.3   | 14.3   | 14.3   | 14.3   | 14.3  | 14.1  | 14.1  | 14.3  | 14.1  | 14.1 |
| 5°    | 15.0   | 15.0   | 15.0   | 15.0   | 15.0   | 15.0  | 15.0  | 14.8  | 14.8  | 14.8  | 14.3 |
| 7.5°  | 15.2   | 15.0   | 15.0   | 15.0   | 15.0   | 15.0  | 15.0  | 15.0  | 14.8  | 14.8  | 14.1 |
| 10°   | 14.8   | 14.8   | 14.8   | 14.8   | 14.5   | 14.5  | 14.5  | 14.3  | 14.3  | 14.3  | 13.4 |
| 12.5° | 14.8   | 14.8   | 14.8   | 14.8   | 14.5   | 14.5  | 14.3  | 14.3  | 14.1  | 13.8  | 12.3 |
| 15°   | 16.1   | 16.1   | 16.1   | 15.9   | 15.7   | 15.4  | 15.2  | 15.0  | 14.8  | 14.3  | 11.4 |
| 17.5° | 23.6   | 22.9   | 22.7   | 21.8   | 20.7   | 19.5  | 18.6  | 17.7  | 16.8  | 16.1  | 10.9 |
| 20°   | 55.4   | 55.2   | 54.0   | 51.3   | 48.4   | 45.0  | 41.5  | 37.7  | 32.2  | 28.6  | 10.9 |
| 22.5° | 96.0   | 94.7   | 92.6   | 90.6   | 85.4   | 79.2  | 72.9  | 65.6  | 58.6  | 51.1  | 11.6 |
| 25°   | 153.7  | 156.9  | 150.1  | 144.6  | 135.5  | 124.4 | 112.4 | 102.4 | 89.7  | 77.9  | 13.4 |
| 27.5° | 267.2  | 269.3  | 255.9  | 238.2  | 217.0  | 193.7 | 171.0 | 153.9 | 132.6 | 113.1 | 16.8 |
| 30°   | 468.6  | 470.6  | 448.2  | 410.5  | 366.9  | 328.5 | 276.5 | 230.9 | 188.9 | 156.4 | 19.8 |
| 31°   | 584.8  | 568.9  | 542.8  | 506.3  | 451.1  | 393.2 | 330.8 | 275.6 | 222.5 | 179.8 | 20.7 |
| 32°   | 685.9  | 684.5  | 654.1  | 598.7  | 543.3  | 471.8 | 394.4 | 322.4 | 257.2 | 203.4 | 21.3 |
| 33°   | 805.1  | 796.0  | 753.1  | 700.9  | 627.5  | 555.6 | 455.7 | 373.5 | 292.9 | 229.8 | 21.8 |
| 34°   | 900.6  | 876.1  | 858.4  | 798.7  | 721.3  | 629.6 | 522.6 | 427.5 | 337.4 | 255.2 | 22.0 |
| 35°   | 970.8  | 965.6  | 931.1  | 875.4  | 796.7  | 702.9 | 594.8 | 483.6 | 374.6 | 284.7 | 22.0 |
| 36°   | 1045.0 | 1028.9 | 995.3  | 944.9  | 868.2  | 771.2 | 650.0 | 532.2 | 418.0 | 311.3 | 21.8 |
| 37°   | 1091.6 | 1082.0 | 1048.7 | 996.7  | 921.5  | 828.9 | 711.8 | 583.5 | 452.5 | 337.8 | 21.3 |
| 38°   | 1139.5 | 1120.2 | 1087.3 | 1037.5 | 963.8  | 876.8 | 756.5 | 623.0 | 484.3 | 361.2 | 20.7 |
| 39°   | 1172.6 | 1152.7 | 1119.1 | 1069.6 | 997.4  | 911.1 | 791.9 | 656.6 | 512.0 | 378.7 | 19.8 |
| 40°   | 1197.6 | 1178.3 | 1144.3 | 1093.4 | 1022.1 | 938.1 | 821.4 | 686.3 | 535.1 | 393.9 | 18.6 |
| 41°   | 1213.0 | 1195.1 | 1161.3 | 1110.6 | 1039.1 | 953.5 | 840.7 | 705.6 | 550.8 | 404.1 | 17.5 |
| 42°   | 1226.0 | 1207.6 | 1173.1 | 1121.3 | 1049.6 | 966.7 | 852.5 | 717.9 | 561.5 | 409.3 | 16.6 |
| 43°   | 1233.2 | 1214.9 | 1181.3 | 1128.4 | 1055.9 | 972.8 | 858.9 | 723.6 | 565.1 | 408.7 | 15.0 |
| 44°   | 1237.3 | 1218.3 | 1184.4 | 1131.5 | 1058.7 | 974.4 | 859.3 | 722.4 | 562.6 | 403.2 | 13.6 |
| 45°   | 1232.8 | 1214.0 | 1181.3 | 1128.4 | 1053.9 | 969.4 | 854.8 | 716.3 | 553.1 | 392.5 | 12.0 |
| 46°   | 1203.3 | 1188.7 | 1158.8 | 1110.2 | 1038.9 | 956.7 | 843.2 | 704.5 | 538.3 | 379.4 | 10.2 |
| 47°   | 1151.3 | 1139.7 | 1110.6 | 1074.6 | 1010.1 | 933.3 | 821.9 | 682.0 | 517.6 | 359.6 | 8.2  |
| 48°   | 1097.0 | 1080.0 | 1053.0 | 1016.0 | 961.5  | 891.3 | 786.7 | 649.1 | 486.3 | 333.7 | 7.3  |
| 49°   | 1016.9 | 1006.9 | 983.1  | 941.7  | 896.6  | 834.8 | 737.0 | 606.9 | 447.9 | 305.6 | 6.4  |
| 50°   | 943.3  | 936.5  | 903.1  | 872.7  | 824.8  | 767.1 | 669.5 | 551.2 | 400.3 | 270.6 | 5.7  |
| 51°   | 885.9  | 877.7  | 853.6  | 815.7  | 764.7  | 697.7 | 605.7 | 479.0 | 345.5 | 229.1 | 4.5  |
| 52°   | 825.9  | 821.4  | 800.1  | 761.0  | 710.8  | 644.1 | 543.7 | 417.7 | 292.4 | 193.7 | 3.6  |
| 53°   | 776.9  | 770.3  | 744.2  | 709.5  | 655.2  | 586.2 | 476.5 | 360.8 | 247.7 | 162.8 | 3.2  |
| 54°   | 705.4  | 702.7  | 685.9  | 649.5  | 590.7  | 515.6 | 415.7 | 303.8 | 206.6 | 138.0 | 2.7  |
| 55°   | 629.3  | 620.3  | 603.2  | 574.4  | 520.4  | 450.2 | 345.3 | 251.8 | 167.1 | 116.2 | 2.0  |
| 56°   | 536.7  | 536.3  | 505.8  | 481.8  | 433.9  | 359.4 | 275.8 | 196.6 | 135.8 | 96.9  | 1.8  |
| 57°   | 448.2  | 433.9  | 404.6  | 380.7  | 329.2  | 272.7 | 204.8 | 147.3 | 106.3 | 78.6  | 1.4  |
| 58°   | 331.5  | 324.0  | 316.3  | 281.3  | 233.6  | 193.2 | 146.2 | 103.5 | 78.6  | 59.9  | 0.9  |
| 59°   | 225.0  | 224.8  | 215.7  | 189.1  | 161.6  | 120.3 | 91.3  | 70.4  | 54.0  | 44.0  | 0.7  |
| 60°   | 169.8  | 165.7  | 147.6  | 130.1  | 101.7  | 76.1  | 54.0  | 41.5  | 33.6  | 28.4  | 0.5  |
| 62.5° | 59.5   | 61.8   | 54.3   | 45.0   | 34.3   | 28.2  | 21.6  | 17.5  | 14.3  | 11.6  | 0.0  |
| 65°   | 12.3   | 13.4   | 11.6   | 10.9   | 8.6    | 7.5   | 6.6   | 5.7   | 4.8   | 4.1   | 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° | 1.6 | 1.4  | 1.4 | 1.4  | 1.1 | 1.1   | 1.1 | 1.1   | 0.9 | 0.9   | 0.2 |
| 70°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.5 | 0.5   | 0.5 | 0.5   | 0.2 |
| 72.5° | 0.7 | 0.7  | 0.7 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.5 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.0  | 0.0 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 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°    | 13.2  | 13.2 | 13.2   | 13.2 | 13.2   | 13.2 |
| 2.5°  | 13.8  | 13.4 | 12.7   | 12.5 | 12.3   | 12.3 |
| 5°    | 13.6  | 12.7 | 12.0   | 11.4 | 11.1   | 11.1 |
| 7.5°  | 12.9  | 11.8 | 10.9   | 10.4 | 10.2   | 10.0 |
| 10°   | 12.3  | 10.7 | 9.8    | 9.3  | 9.3    | 9.3  |
| 12.5° | 10.9  | 9.5  | 8.6    | 8.4  | 8.6    | 8.6  |
| 15°   | 9.8   | 8.2  | 7.7    | 7.7  | 7.9    | 8.2  |
| 17.5° | 8.4   | 7.3  | 6.8    | 7.0  | 7.3    | 7.5  |
| 20°   | 7.5   | 6.1  | 6.1    | 6.4  | 7.0    | 7.0  |
| 22.5° | 6.6   | 5.4  | 5.4    | 6.1  | 6.6    | 6.8  |
| 25°   | 5.9   | 4.8  | 5.0    | 5.7  | 6.4    | 6.6  |
| 27.5° | 5.0   | 4.1  | 4.5    | 5.4  | 6.1    | 6.4  |
| 30°   | 4.3   | 3.6  | 4.3    | 5.2  | 5.9    | 6.4  |
| 31°   | 4.1   | 3.4  | 4.3    | 5.0  | 5.9    | 6.4  |
| 32°   | 3.6   | 3.4  | 4.1    | 5.0  | 5.9    | 6.1  |
| 33°   | 3.4   | 3.2  | 4.1    | 5.0  | 5.9    | 6.1  |
| 34°   | 3.2   | 3.0  | 3.9    | 5.0  | 5.9    | 6.1  |
| 35°   | 2.7   | 3.0  | 3.9    | 4.8  | 5.7    | 6.1  |
| 36°   | 2.5   | 2.7  | 3.9    | 4.8  | 5.7    | 6.1  |
| 37°   | 2.3   | 2.7  | 3.6    | 4.8  | 5.7    | 6.1  |
| 38°   | 2.0   | 2.5  | 3.6    | 4.8  | 5.7    | 6.1  |
| 39°   | 1.8   | 2.5  | 3.4    | 4.8  | 5.7    | 6.1  |
| 40°   | 1.6   | 2.3  | 3.4    | 4.5  | 5.7    | 6.1  |
| 41°   | 1.6   | 2.3  | 3.4    | 4.5  | 5.7    | 6.1  |
| 42°   | 1.4   | 2.3  | 3.4    | 4.5  | 5.7    | 6.1  |
| 43°   | 1.1   | 2.0  | 3.4    | 4.5  | 5.7    | 6.1  |
| 44°   | 0.9   | 2.0  | 3.2    | 4.5  | 5.7    | 6.1  |
| 45°   | 0.9   | 2.0  | 3.2    | 4.5  | 5.7    | 6.1  |
| 46°   | 0.7   | 1.8  | 3.2    | 4.5  | 5.7    | 6.1  |
| 47°   | 0.5   | 1.8  | 3.2    | 4.3  | 5.7    | 6.1  |
| 48°   | 0.5   | 1.8  | 3.2    | 4.3  | 5.7    | 6.1  |
| 49°   | 0.5   | 1.8  | 3.0    | 4.3  | 5.7    | 6.1  |
| 50°   | 0.5   | 1.8  | 3.0    | 4.3  | 5.7    | 6.1  |
| 51°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.1  |
| 52°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.4  |
| 53°   | 0.2   | 1.6  | 3.0    | 4.3  | 5.7    | 6.1  |
| 54°   | 0.2   | 1.6  | 2.7    | 4.3  | 5.7    | 6.1  |
| 55°   | 0.2   | 1.6  | 2.7    | 4.3  | 5.7    | 6.1  |
| 56°   | 0.2   | 1.4  | 2.7    | 4.1  | 5.7    | 6.1  |
| 57°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.7    | 5.9  |
| 58°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.4    | 5.9  |
| 59°   | 0.5   | 1.4  | 2.7    | 4.1  | 5.4    | 5.9  |
| 60°   | 0.5   | 1.4  | 2.5    | 4.1  | 5.4    | 5.9  |
| 62.5° | 0.5   | 1.4  | 2.5    | 3.9  | 5.2    | 5.7  |
| 65°   | 0.5   | 1.4  | 2.3    | 3.6  | 5.2    | 5.4  |



TEST NUMBER: P1313872

CATALOG NUMBER: P3SQAS02R259735DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.1 | 2.3    | 3.4  | 5.0    | 5.2  |
| 70°   | 0.7   | 1.1 | 2.0    | 3.4  | 4.8    | 5.0  |
| 72.5° | 0.7   | 1.1 | 2.0    | 3.0  | 4.3    | 4.8  |
| 75°   | 0.7   | 1.1 | 1.8    | 2.7  | 4.1    | 4.3  |
| 77.5° | 0.7   | 1.1 | 1.6    | 2.5  | 3.6    | 3.9  |
| 80°   | 0.9   | 1.1 | 1.4    | 2.0  | 3.2    | 3.4  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.6  | 2.5    | 2.7  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.6    | 1.8  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.5  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)