

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: P1317184

Luminaire Tested: P3SQAS13R609830DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R609830DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

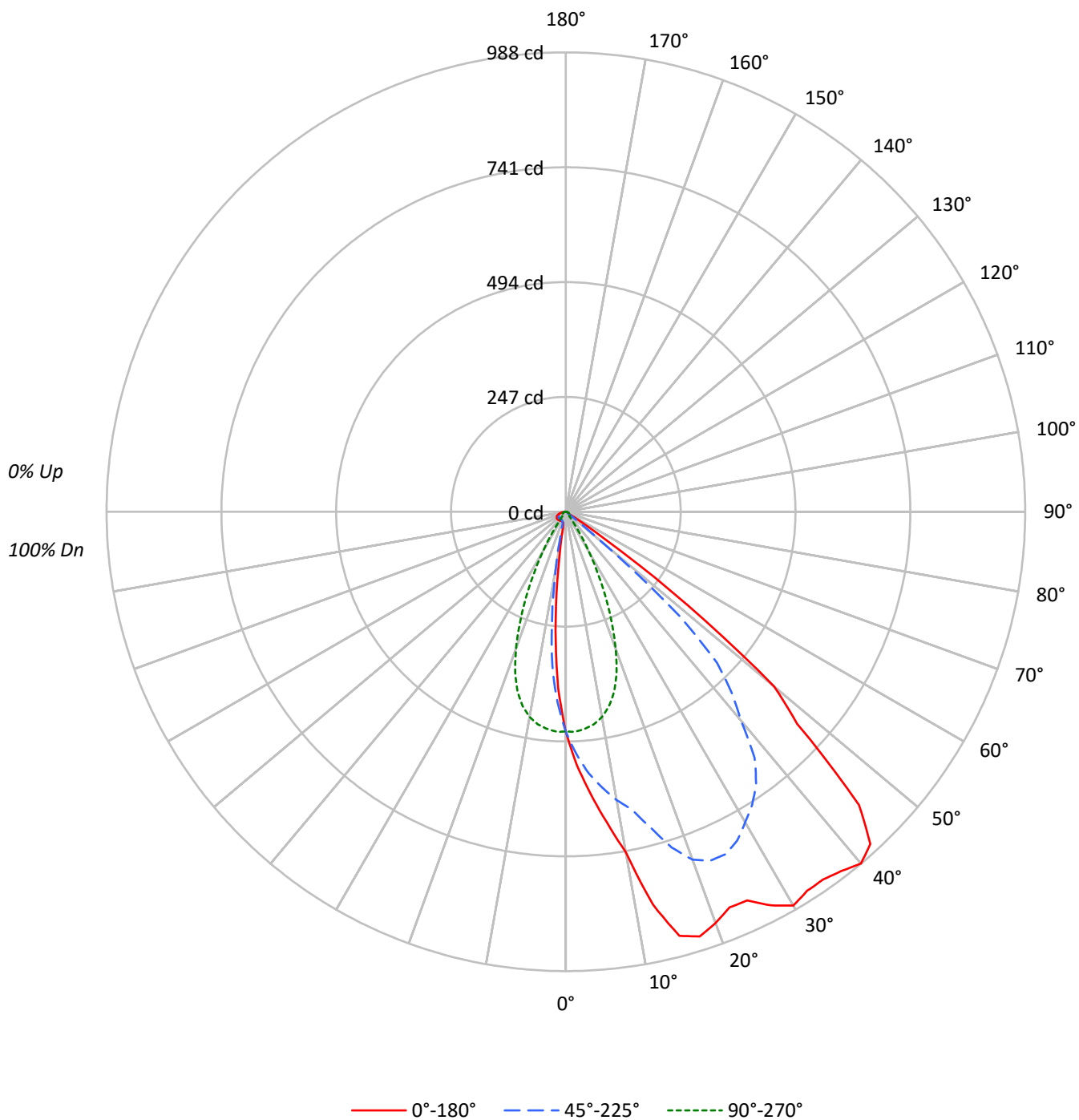
Lumens per Lamp: N/A  
Luminaire Lumens: 768.1 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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: P1317184

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### Luminous Intensity Polar Plot



TEST NUMBER: P1317184

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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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 92  | 90  |    |    |
| 2   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 88  | 94  | 90  | 86  | 90  | 87  | 85  | 88  | 85  | 83  | 81  |    |    |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  | 83  | 79  | 75  | 81  | 77  | 74  | 72  |    |    |
| 4   | 91  | 82  | 75  | 70  | 89  | 80  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  |    |    |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |    |    |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 61  | 55  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    |
| 9   | 65  | 54  | 46  | 42  | 64  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 41  | 38  | 36  |    |    |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 81427  | 81427  | 81427 | 81427 | 81427 |
| 5°  | 105163 | 97643  | 80977 | 57656 | 43998 |
| 10° | 129970 | 110069 | 78363 | 21807 | 6471  |
| 15° | 168331 | 125272 | 71497 | 4778  | 4261  |
| 20° | 172499 | 145906 | 57549 | 3995  | 4124  |
| 25° | 175262 | 154454 | 38575 | 3858  | 4143  |
| 30° | 194510 | 153425 | 19906 | 3898  | 4335  |
| 35° | 202907 | 150010 | 5487  | 4121  | 4731  |
| 40° | 222033 | 131543 | 2608  | 4406  | 5216  |
| 45° | 217231 | 111794 | 2655  | 4774  | 5821  |
| 50° | 156579 | 27597  | 2920  | 5251  | 6404  |
| 55° | 30056  | 1742   | 3063  | 5675  | 7176  |
| 60° | 1516   | 1757   | 2997  | 5993  | 7750  |
| 65° | 1467   | 1793   | 2975  | 6194  | 8273  |
| 70° | 1460   | 1813   | 2921  | 6194  | 8409  |
| 75° | 1464   | 1930   | 2928  | 6255  | 8717  |
| 80° | 694    | 2182   | 2876  | 6447  | 8629  |
| 85° | 1383   | 1383   | 2964  | 5730  | 8695  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217231 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.1   | 5.4       |
| 10°-20°   | 113.5  | 14.8      |
| 20°-30°   | 174.7  | 22.7      |
| 30°-40°   | 205.0  | 26.7      |
| 40°-50°   | 164.4  | 21.4      |
| 50°-60°   | 51.0   | 6.6       |
| 60°-70°   | 9.7    | 1.3       |
| 70°-80°   | 6.4    | 0.8       |
| 80°-90°   | 2.2    | 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°    | 329.3  | 42.9      |
| 0°-40°    | 534.3  | 69.6      |
| 0°-60°    | 749.7  | 97.6      |
| 0°-90°    | 768.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 768.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 473 | 473 | 473 | 473  | 473  |      |
| 5°  | 608 | 565 | 468 | 334  | 254  | 62   |
| 15° | 944 | 703 | 401 | 27   | 24   | 259  |
| 25° | 922 | 813 | 203 | 20   | 22   | 435  |
| 35° | 965 | 714 | 26  | 20   | 22   | 611  |
| 45° | 892 | 459 | 11  | 20   | 24   | 638  |
| 55° | 100 | 6   | 10  | 19   | 24   | 158  |
| 65° | 4   | 4   | 7   | 15   | 20   | 3    |
| 75° | 2   | 3   | 4   | 9    | 13   | 2    |
| 85° | 1   | 1   | 2   | 3    | 4    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°    | 20°    | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°    | 472.8 | 472.8 | 472.8 | 472.8  | 472.8  | 472.8 | 472.8 | 472.8 | 472.8 | 472.8 | 472.8 |
| 2.5°  | 545.3 | 539.5 | 539.5 | 537.3  | 535.1  | 535.8 | 530.0 | 532.2 | 526.4 | 522.1 | 518.4 |
| 5°    | 608.3 | 601.1 | 600.4 | 596.7  | 593.1  | 590.2 | 583.0 | 578.6 | 569.9 | 564.8 | 554.0 |
| 7.5°  | 673.6 | 667.8 | 664.2 | 659.8  | 653.3  | 646.1 | 633.7 | 625.8 | 612.0 | 598.2 | 584.4 |
| 10°   | 743.2 | 738.1 | 730.2 | 725.1  | 707.0  | 695.4 | 678.7 | 667.8 | 647.5 | 629.4 | 608.3 |
| 12.5° | 865.0 | 862.1 | 846.9 | 836.8  | 810.6  | 787.4 | 751.2 | 722.2 | 685.9 | 656.2 | 627.9 |
| 15°   | 944.1 | 940.4 | 932.5 | 923.0  | 906.4  | 880.3 | 847.6 | 807.0 | 756.3 | 702.6 | 654.8 |
| 17.5° | 957.8 | 958.6 | 953.5 | 951.3  | 940.4  | 923.8 | 897.7 | 867.2 | 816.4 | 757.0 | 691.7 |
| 20°   | 941.2 | 947.0 | 945.5 | 949.9  | 952.0  | 945.5 | 928.1 | 898.4 | 854.2 | 796.1 | 722.9 |
| 22.5° | 920.9 | 925.9 | 924.5 | 932.5  | 944.8  | 951.3 | 945.5 | 921.6 | 876.6 | 812.1 | 740.3 |
| 25°   | 922.3 | 925.9 | 915.1 | 920.1  | 936.1  | 952.0 | 952.8 | 931.7 | 883.2 | 812.8 | 738.9 |
| 27.5° | 954.2 | 943.3 | 918.7 | 916.5  | 936.1  | 956.4 | 957.8 | 931.7 | 873.7 | 797.6 | 724.4 |
| 30°   | 978.1 | 970.2 | 942.6 | 939.0  | 957.8  | 971.6 | 964.4 | 923.8 | 851.3 | 771.5 | 703.3 |
| 32.5° | 966.5 | 968.0 | 956.4 | 968.0  | 992.6  | 998.4 | 968.0 | 904.9 | 820.1 | 746.1 | 678.7 |
| 35°   | 965.1 | 970.9 | 977.4 | 995.5  | 1012.2 | 998.4 | 949.9 | 869.4 | 786.7 | 713.5 | 640.3 |
| 37.5° | 973.8 | 983.2 | 992.6 | 1008.6 | 1008.6 | 973.1 | 902.0 | 824.4 | 746.8 | 667.1 | 560.5 |
| 40°   | 987.6 | 993.4 | 996.3 | 994.8  | 975.2  | 923.0 | 847.6 | 770.0 | 696.1 | 585.1 | 507.6 |
| 42.5° | 969.4 | 968.7 | 965.8 | 953.5  | 917.2  | 849.1 | 778.7 | 715.7 | 598.9 | 527.9 | 439.4 |
| 45°   | 891.9 | 891.9 | 883.9 | 864.3  | 831.0  | 774.4 | 712.0 | 619.9 | 546.0 | 459.0 | 326.3 |
| 47.5° | 675.1 | 670.0 | 678.7 | 690.3  | 690.3  | 685.2 | 628.7 | 548.9 | 473.5 | 331.4 | 104.4 |
| 50°   | 584.4 | 576.4 | 565.6 | 567.7  | 566.3  | 572.1 | 535.8 | 475.7 | 350.2 | 103.0 | 7.3   |
| 52.5° | 330.6 | 345.1 | 380.7 | 430.7  | 453.2  | 461.2 | 438.7 | 361.8 | 118.2 | 6.5   | 5.8   |
| 55°   | 100.1 | 103.0 | 116.7 | 143.6  | 195.0  | 249.4 | 253.1 | 117.5 | 8.0   | 5.8   | 5.8   |
| 57.5° | 4.4   | 4.4   | 5.8   | 8.7    | 20.3   | 30.5  | 32.6  | 7.3   | 5.1   | 5.8   | 5.8   |
| 60°   | 4.4   | 4.4   | 4.4   | 4.4    | 4.4    | 4.4   | 5.1   | 5.1   | 5.1   | 5.1   | 5.8   |
| 62.5° | 3.6   | 3.6   | 4.4   | 4.4    | 4.4    | 4.4   | 4.4   | 4.4   | 5.1   | 5.1   | 5.1   |
| 65°   | 3.6   | 3.6   | 3.6   | 3.6    | 3.6    | 3.6   | 4.4   | 4.4   | 4.4   | 4.4   | 5.1   |
| 67.5° | 2.9   | 2.9   | 2.9   | 3.6    | 3.6    | 3.6   | 3.6   | 3.6   | 4.4   | 4.4   | 4.4   |
| 70°   | 2.9   | 2.9   | 2.9   | 2.9    | 2.9    | 2.9   | 2.9   | 3.6   | 3.6   | 3.6   | 3.6   |
| 72.5° | 2.2   | 2.2   | 2.2   | 2.2    | 2.2    | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 3.6   |
| 75°   | 2.2   | 2.2   | 2.2   | 2.2    | 2.2    | 2.2   | 2.2   | 2.9   | 2.9   | 2.9   | 2.9   |
| 77.5° | 1.5   | 1.5   | 1.5   | 1.5    | 1.5    | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 80°   | 0.7   | 1.5   | 1.5   | 1.5    | 1.5    | 1.5   | 1.5   | 1.5   | 1.5   | 2.2   | 2.2   |
| 82.5° | 0.7   | 0.7   | 0.7   | 0.7    | 0.7    | 0.7   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 85°   | 0.7   | 0.7   | 0.7   | 0.7    | 0.7    | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 1.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0    | 0.7    | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 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):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 472.8 | 472.8 | 472.8 | 472.8 | 472.8  | 472.8 | 472.8  | 472.8 |
| 2.5°  | 513.4 | 507.6 | 501.0 | 473.5 | 446.7  | 410.4 | 385.7  | 378.5 |
| 5°    | 544.5 | 535.1 | 520.6 | 468.4 | 405.3  | 333.5 | 275.5  | 254.5 |
| 7.5°  | 570.6 | 556.1 | 535.8 | 461.2 | 356.0  | 226.2 | 145.7  | 123.3 |
| 10°   | 589.5 | 571.4 | 545.3 | 448.1 | 290.8  | 124.7 | 49.3   | 37.0  |
| 12.5° | 605.4 | 581.5 | 550.3 | 428.5 | 211.7  | 50.8  | 25.4   | 25.4  |
| 15°   | 616.3 | 587.3 | 552.5 | 401.0 | 137.0  | 26.8  | 23.9   | 23.9  |
| 17.5° | 631.6 | 593.8 | 552.5 | 362.5 | 74.7   | 23.2  | 23.2   | 23.2  |
| 20°   | 656.2 | 600.4 | 544.5 | 314.0 | 41.3   | 21.8  | 22.5   | 22.5  |
| 22.5° | 669.3 | 609.8 | 534.4 | 257.4 | 26.1   | 21.0  | 21.8   | 21.8  |
| 25°   | 672.2 | 608.3 | 512.6 | 203.0 | 21.0   | 20.3  | 21.0   | 21.8  |
| 27.5° | 662.0 | 598.2 | 483.6 | 147.9 | 18.9   | 19.6  | 21.0   | 21.8  |
| 30°   | 643.9 | 573.5 | 437.2 | 100.1 | 17.4   | 19.6  | 21.0   | 21.8  |
| 32.5° | 609.8 | 514.1 | 382.8 | 60.2  | 16.7   | 19.6  | 21.0   | 22.5  |
| 35°   | 533.7 | 451.7 | 320.5 | 26.1  | 16.0   | 19.6  | 21.8   | 22.5  |
| 37.5° | 478.6 | 389.4 | 248.0 | 13.1  | 16.0   | 19.6  | 21.8   | 23.2  |
| 40°   | 417.7 | 313.2 | 114.6 | 11.6  | 16.0   | 19.6  | 21.8   | 23.2  |
| 42.5° | 318.3 | 145.0 | 13.8  | 11.6  | 15.2   | 19.6  | 22.5   | 23.2  |
| 45°   | 116.0 | 15.2  | 7.3   | 10.9  | 15.2   | 19.6  | 22.5   | 23.9  |
| 47.5° | 8.7   | 5.8   | 6.5   | 10.9  | 15.2   | 19.6  | 22.5   | 23.9  |
| 50°   | 5.8   | 5.8   | 6.5   | 10.9  | 15.2   | 19.6  | 22.5   | 23.9  |
| 52.5° | 5.8   | 6.5   | 6.5   | 10.2  | 14.5   | 19.6  | 22.5   | 23.9  |
| 55°   | 5.8   | 6.5   | 6.5   | 10.2  | 14.5   | 18.9  | 22.5   | 23.9  |
| 57.5° | 5.8   | 5.8   | 6.5   | 9.4   | 13.8   | 18.1  | 22.5   | 23.2  |
| 60°   | 5.8   | 5.8   | 6.5   | 8.7   | 13.1   | 17.4  | 21.0   | 22.5  |
| 62.5° | 5.8   | 5.8   | 5.8   | 8.0   | 12.3   | 16.7  | 20.3   | 21.8  |
| 65°   | 5.1   | 5.1   | 5.8   | 7.3   | 10.9   | 15.2  | 18.9   | 20.3  |
| 67.5° | 4.4   | 5.1   | 5.1   | 6.5   | 10.2   | 13.8  | 17.4   | 18.9  |
| 70°   | 4.4   | 4.4   | 4.4   | 5.8   | 8.7    | 12.3  | 16.0   | 16.7  |
| 72.5° | 3.6   | 3.6   | 4.4   | 5.1   | 8.0    | 10.9  | 14.5   | 15.2  |
| 75°   | 2.9   | 3.6   | 3.6   | 4.4   | 6.5    | 9.4   | 12.3   | 13.1  |
| 77.5° | 2.9   | 2.9   | 2.9   | 3.6   | 5.8    | 8.0   | 10.2   | 10.9  |
| 80°   | 2.2   | 2.2   | 2.2   | 2.9   | 4.4    | 6.5   | 8.0    | 8.7   |
| 82.5° | 1.5   | 2.2   | 2.2   | 2.2   | 3.6    | 4.4   | 5.8    | 6.5   |
| 85°   | 1.5   | 1.5   | 1.5   | 1.5   | 2.2    | 2.9   | 3.6    | 4.4   |
| 87.5° | 0.7   | 0.7   | 1.5   | 1.5   | 1.5    | 1.5   | 1.5    | 2.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)