

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: P1313623

Luminaire Tested: P3SQAS17R609730DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313623  
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: P3SQAS17R609730DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

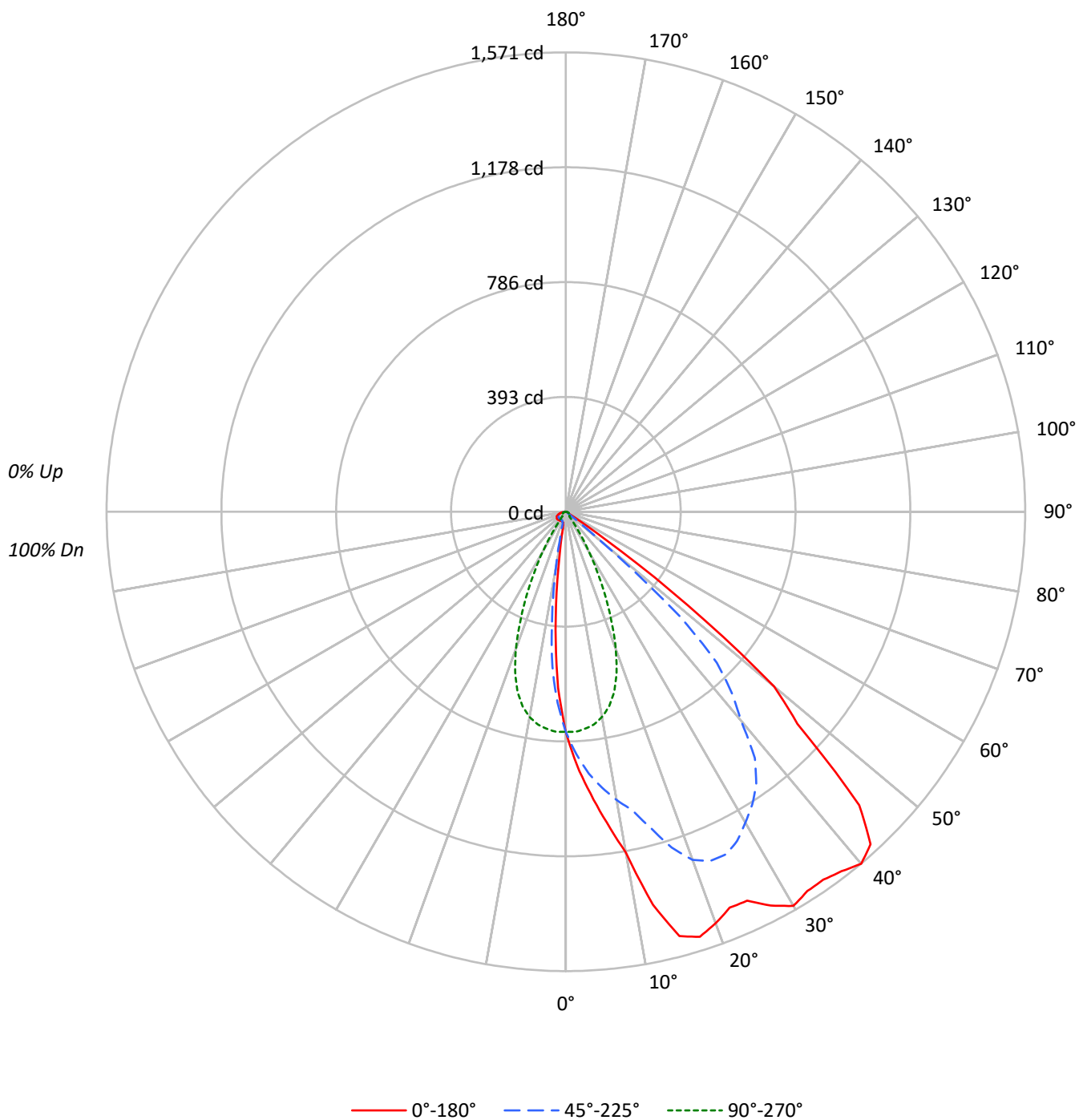
Lumens per Lamp: N/A  
Luminaire Lumens: 1222.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1313623

CATALOG NUMBER: P3SQAS17R609730DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1313623

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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°  | 129546 | 129546 | 129546 | 129546 | 129546 |
| 5°  | 167348 | 155368 | 128848 | 91748  | 70017  |
| 10° | 206812 | 175124 | 124689 | 34696  | 10283  |
| 15° | 267821 | 199337 | 113754 | 7613   | 6793   |
| 20° | 274455 | 232173 | 91564  | 6341   | 6561   |
| 25° | 278864 | 245761 | 61379  | 6138   | 6575   |
| 30° | 309514 | 244127 | 31659  | 6205   | 6881   |
| 35° | 322852 | 238691 | 8725   | 6560   | 7527   |
| 40° | 353283 | 209331 | 4159   | 7014   | 8296   |
| 45° | 345635 | 177872 | 4214   | 7599   | 9280   |
| 50° | 249149 | 43887  | 4635   | 8359   | 10208  |
| 55° | 47802  | 2762   | 4864   | 9008   | 11440  |
| 60° | 2377   | 2790   | 4753   | 9541   | 12331  |
| 65° | 2364   | 2812   | 4686   | 9862   | 13163  |
| 70° | 2316   | 2921   | 4633   | 9869   | 13344  |
| 75° | 2329   | 3061   | 4591   | 9981   | 13841  |
| 80° | 1190   | 3471   | 4562   | 10315  | 13687  |
| 85° | 2371   | 2371   | 4545   | 9090   | 13635  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 345635 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.4   | 5.4       |
| 10°-20°   | 180.6  | 14.8      |
| 20°-30°   | 278.0  | 22.7      |
| 30°-40°   | 326.2  | 26.7      |
| 40°-50°   | 261.5  | 21.4      |
| 50°-60°   | 81.2   | 6.6       |
| 60°-70°   | 15.4   | 1.3       |
| 70°-80°   | 10.2   | 0.8       |
| 80°-90°   | 3.6    | 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°    | 524.0  | 42.9      |
| 0°-40°    | 850.2  | 69.6      |
| 0°-60°    | 1192.9 | 97.6      |
| 0°-90°    | 1222.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1222.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 752  | 752  | 752 | 752  | 752  |      |
| 5°  | 968  | 899  | 745 | 531  | 405  | 99   |
| 15° | 1502 | 1118 | 638 | 43   | 38   | 411  |
| 25° | 1468 | 1293 | 323 | 32   | 35   | 693  |
| 35° | 1536 | 1135 | 42  | 31   | 36   | 972  |
| 45° | 1419 | 730  | 17  | 31   | 38   | 1016 |
| 55° | 159  | 9    | 16  | 30   | 38   | 252  |
| 65° | 6    | 7    | 12  | 24   | 32   | 5    |
| 75° | 4    | 5    | 7   | 15   | 21   | 3    |
| 85° | 1    | 1    | 2   | 5    | 7    | 1    |
| 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°    | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  | 752.2  |
| 2.5°  | 867.6  | 858.4  | 858.4  | 854.9  | 851.4  | 852.6  | 843.4  | 846.8  | 837.6  | 830.7  | 824.9  |
| 5°    | 968.0  | 956.4  | 955.3  | 949.5  | 943.7  | 939.1  | 927.6  | 920.7  | 906.8  | 898.7  | 881.4  |
| 7.5°  | 1071.8 | 1062.6 | 1056.8 | 1049.9 | 1039.5 | 1028.0 | 1008.4 | 995.7  | 973.7  | 951.8  | 929.9  |
| 10°   | 1182.6 | 1174.5 | 1161.8 | 1153.7 | 1124.9 | 1106.4 | 1079.9 | 1062.6 | 1030.3 | 1001.4 | 968.0  |
| 12.5° | 1376.4 | 1371.8 | 1347.5 | 1331.4 | 1289.9 | 1252.9 | 1195.3 | 1149.1 | 1091.4 | 1044.1 | 999.1  |
| 15°   | 1502.1 | 1496.4 | 1483.7 | 1468.7 | 1442.2 | 1400.6 | 1348.7 | 1284.1 | 1203.3 | 1118.0 | 1041.8 |
| 17.5° | 1524.1 | 1525.2 | 1517.1 | 1513.7 | 1496.4 | 1469.8 | 1428.3 | 1379.8 | 1299.1 | 1204.5 | 1100.6 |
| 20°   | 1497.5 | 1506.8 | 1504.5 | 1511.4 | 1514.8 | 1504.5 | 1476.8 | 1429.5 | 1359.1 | 1266.8 | 1150.3 |
| 22.5° | 1465.2 | 1473.3 | 1471.0 | 1483.7 | 1503.3 | 1513.7 | 1504.5 | 1466.4 | 1394.8 | 1292.2 | 1177.9 |
| 25°   | 1467.5 | 1473.3 | 1456.0 | 1464.1 | 1489.5 | 1514.8 | 1516.0 | 1482.5 | 1405.2 | 1293.3 | 1175.6 |
| 27.5° | 1518.3 | 1501.0 | 1461.8 | 1458.3 | 1489.5 | 1521.8 | 1524.1 | 1482.5 | 1390.2 | 1269.1 | 1152.6 |
| 30°   | 1556.4 | 1543.7 | 1499.8 | 1494.1 | 1524.1 | 1546.0 | 1534.4 | 1469.8 | 1354.5 | 1227.6 | 1119.1 |
| 32.5° | 1537.9 | 1540.2 | 1521.8 | 1540.2 | 1579.4 | 1588.7 | 1540.2 | 1439.8 | 1304.9 | 1187.2 | 1079.9 |
| 35°   | 1535.6 | 1544.8 | 1555.2 | 1584.1 | 1610.6 | 1588.7 | 1511.4 | 1383.3 | 1251.8 | 1135.3 | 1018.7 |
| 37.5° | 1549.4 | 1564.4 | 1579.4 | 1604.8 | 1604.8 | 1548.3 | 1435.2 | 1311.8 | 1188.3 | 1061.4 | 891.8  |
| 40°   | 1571.4 | 1580.6 | 1585.2 | 1582.9 | 1551.8 | 1468.7 | 1348.7 | 1225.3 | 1107.6 | 931.1  | 807.6  |
| 42.5° | 1542.5 | 1541.4 | 1536.8 | 1517.1 | 1459.5 | 1351.0 | 1239.1 | 1138.7 | 953.0  | 839.9  | 699.2  |
| 45°   | 1419.1 | 1419.1 | 1406.4 | 1375.2 | 1322.2 | 1232.2 | 1133.0 | 986.4  | 868.8  | 730.3  | 519.2  |
| 47.5° | 1074.1 | 1066.0 | 1079.9 | 1098.3 | 1098.3 | 1090.3 | 1000.3 | 873.4  | 753.4  | 527.3  | 166.1  |
| 50°   | 929.9  | 917.2  | 899.9  | 903.4  | 901.1  | 910.3  | 852.6  | 756.8  | 557.2  | 163.8  | 11.5   |
| 52.5° | 526.1  | 549.2  | 605.7  | 685.3  | 721.1  | 733.8  | 698.0  | 575.7  | 188.1  | 10.4   | 9.2    |
| 55°   | 159.2  | 163.8  | 185.7  | 228.4  | 310.4  | 396.9  | 402.6  | 186.9  | 12.7   | 9.2    | 9.2    |
| 57.5° | 6.9    | 6.9    | 9.2    | 13.8   | 32.3   | 48.5   | 51.9   | 11.5   | 8.1    | 9.2    | 9.2    |
| 60°   | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 8.1    | 8.1    | 8.1    | 8.1    | 9.2    |
| 62.5° | 5.8    | 5.8    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 8.1    | 8.1    | 8.1    |
| 65°   | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 6.9    | 6.9    | 6.9    | 6.9    | 8.1    |
| 67.5° | 4.6    | 4.6    | 4.6    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 6.9    | 6.9    | 6.9    |
| 70°   | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    | 5.8    | 5.8    | 5.8    | 5.8    |
| 72.5° | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    | 5.8    |
| 75°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 4.6    | 4.6    | 4.6    | 4.6    |
| 77.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 80°   | 1.2    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 3.5    | 3.5    |
| 82.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 2.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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):**

|       | 55°    | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 752.2  | 752.2 | 752.2 | 752.2 | 752.2  | 752.2 | 752.2  | 752.2 |
| 2.5°  | 816.8  | 807.6 | 797.2 | 753.4 | 710.7  | 653.0 | 613.8  | 602.2 |
| 5°    | 866.4  | 851.4 | 828.4 | 745.3 | 644.9  | 530.7 | 438.4  | 405.0 |
| 7.5°  | 908.0  | 884.9 | 852.6 | 733.8 | 566.5  | 360.0 | 231.9  | 196.1 |
| 10°   | 938.0  | 909.1 | 867.6 | 713.0 | 462.6  | 198.4 | 78.5   | 58.8  |
| 12.5° | 963.4  | 925.3 | 875.7 | 681.8 | 336.9  | 80.8  | 40.4   | 40.4  |
| 15°   | 980.7  | 934.5 | 879.1 | 638.0 | 218.1  | 42.7  | 38.1   | 38.1  |
| 17.5° | 1004.9 | 944.9 | 879.1 | 576.9 | 118.8  | 36.9  | 36.9   | 36.9  |
| 20°   | 1044.1 | 955.3 | 866.4 | 499.6 | 65.8   | 34.6  | 35.8   | 35.8  |
| 22.5° | 1064.9 | 970.3 | 850.3 | 409.6 | 41.5   | 33.5  | 34.6   | 34.6  |
| 25°   | 1069.5 | 968.0 | 815.7 | 323.0 | 33.5   | 32.3  | 33.5   | 34.6  |
| 27.5° | 1053.3 | 951.8 | 769.5 | 235.4 | 30.0   | 31.2  | 33.5   | 34.6  |
| 30°   | 1024.5 | 912.6 | 695.7 | 159.2 | 27.7   | 31.2  | 33.5   | 34.6  |
| 32.5° | 970.3  | 818.0 | 609.2 | 95.8  | 26.5   | 31.2  | 33.5   | 35.8  |
| 35°   | 849.1  | 718.8 | 509.9 | 41.5  | 25.4   | 31.2  | 34.6   | 35.8  |
| 37.5° | 761.5  | 619.5 | 394.6 | 20.8  | 25.4   | 31.2  | 34.6   | 36.9  |
| 40°   | 664.5  | 498.4 | 182.3 | 18.5  | 25.4   | 31.2  | 34.6   | 36.9  |
| 42.5° | 506.5  | 230.7 | 21.9  | 18.5  | 24.2   | 31.2  | 35.8   | 36.9  |
| 45°   | 184.6  | 24.2  | 11.5  | 17.3  | 24.2   | 31.2  | 35.8   | 38.1  |
| 47.5° | 13.8   | 9.2   | 10.4  | 17.3  | 24.2   | 31.2  | 35.8   | 38.1  |
| 50°   | 9.2    | 9.2   | 10.4  | 17.3  | 24.2   | 31.2  | 35.8   | 38.1  |
| 52.5° | 9.2    | 10.4  | 10.4  | 16.2  | 23.1   | 31.2  | 35.8   | 38.1  |
| 55°   | 9.2    | 10.4  | 10.4  | 16.2  | 23.1   | 30.0  | 35.8   | 38.1  |
| 57.5° | 9.2    | 9.2   | 10.4  | 15.0  | 21.9   | 28.8  | 35.8   | 36.9  |
| 60°   | 9.2    | 9.2   | 10.4  | 13.8  | 20.8   | 27.7  | 33.5   | 35.8  |
| 62.5° | 9.2    | 9.2   | 9.2   | 12.7  | 19.6   | 26.5  | 32.3   | 34.6  |
| 65°   | 8.1    | 8.1   | 9.2   | 11.5  | 17.3   | 24.2  | 30.0   | 32.3  |
| 67.5° | 6.9    | 8.1   | 8.1   | 10.4  | 16.2   | 21.9  | 27.7   | 30.0  |
| 70°   | 6.9    | 6.9   | 6.9   | 9.2   | 13.8   | 19.6  | 25.4   | 26.5  |
| 72.5° | 5.8    | 5.8   | 6.9   | 8.1   | 12.7   | 17.3  | 23.1   | 24.2  |
| 75°   | 4.6    | 5.8   | 5.8   | 6.9   | 10.4   | 15.0  | 19.6   | 20.8  |
| 77.5° | 4.6    | 4.6   | 4.6   | 5.8   | 9.2    | 12.7  | 16.2   | 17.3  |
| 80°   | 3.5    | 3.5   | 3.5   | 4.6   | 6.9    | 10.4  | 12.7   | 13.8  |
| 82.5° | 2.3    | 3.5   | 3.5   | 3.5   | 5.8    | 6.9   | 9.2    | 10.4  |
| 85°   | 2.3    | 2.3   | 2.3   | 2.3   | 3.5    | 4.6   | 5.8    | 6.9   |
| 87.5° | 1.2    | 1.2   | 2.3   | 2.3   | 2.3    | 2.3   | 2.3    | 3.5   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)