

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: P1314440

Luminaire Tested: P3SQAS13R559735DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314440  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R559735DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

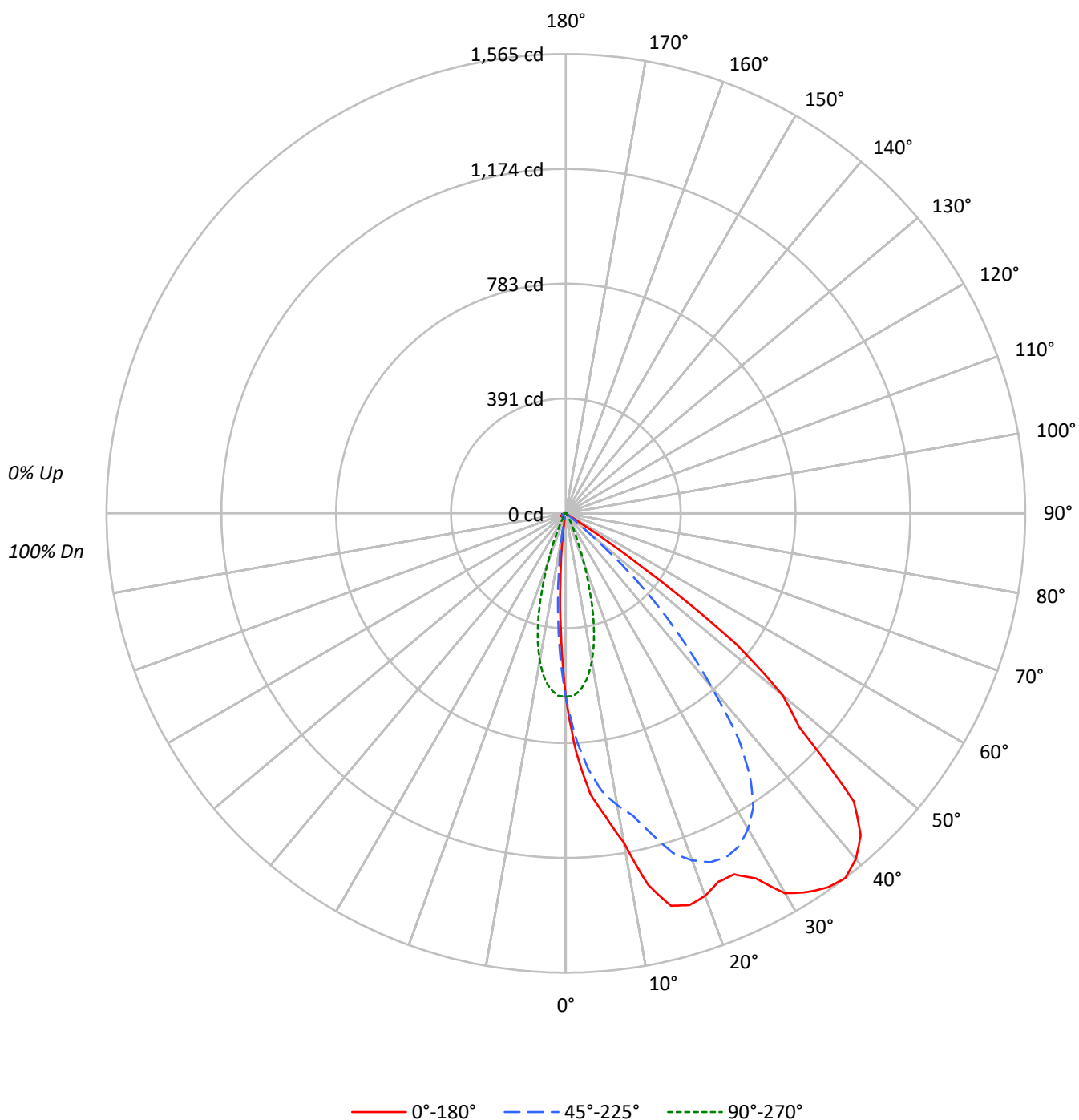
Lumens per Lamp: N/A  
Luminaire Lumens: 1042.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1314440

CATALOG NUMBER: P3SQAS13R559735DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1314440

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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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 79  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  |
| 6   | 80  | 69  | 62  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 65  | 59  | 55  | 63  | 59  | 55  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  |

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

|     | 0°     | 45°    | 90°    | 135°   | 180°   |
|-----|--------|--------|--------|--------|--------|
| 0°  | 107553 | 107553 | 107553 | 107553 | 107553 |
| 5°  | 165862 | 150994 | 103901 | 53351  | 35043  |
| 10° | 199293 | 176488 | 89433  | 13448  | 5386   |
| 15° | 246747 | 201566 | 63902  | 3709   | 2906   |
| 20° | 254148 | 230579 | 33008  | 2493   | 2493   |
| 25° | 257828 | 245609 | 13245  | 2242   | 2584   |
| 30° | 297185 | 246772 | 5767   | 2347   | 2705   |
| 35° | 327120 | 230071 | 2481   | 2481   | 3049   |
| 40° | 345527 | 173179 | 1416   | 2855   | 3260   |
| 45° | 337963 | 105827 | 1315   | 3093   | 3970   |
| 50° | 258526 | 22560  | 1447   | 3644   | 4608   |
| 55° | 94852  | 811    | 1621   | 4084   | 5164   |
| 60° | 930    | 930    | 1860   | 4684   | 5924   |
| 65° | 1100   | 1100   | 2201   | 4809   | 6276   |
| 70° | 906    | 1360   | 2266   | 5489   | 7301   |
| 75° | 599    | 1198   | 2396   | 6055   | 8451   |
| 80° | 893    | 1785   | 2678   | 6248   | 9025   |
| 85° | 0      | 1778   | 3557   | 7114   | 8892   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 337963 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.0   | 5.3       |
| 10°-20°   | 157.4  | 15.1      |
| 20°-30°   | 241.5  | 23.2      |
| 30°-40°   | 281.5  | 27.0      |
| 40°-50°   | 224.9  | 21.6      |
| 50°-60°   | 66.6   | 6.4       |
| 60°-70°   | 7.1    | 0.7       |
| 70°-80°   | 5.6    | 0.5       |
| 80°-90°   | 2.4    | 0.2       |
| 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°    | 454.0  | 43.6      |
| 0°-40°    | 735.4  | 70.6      |
| 0°-60°    | 1026.9 | 98.6      |
| 0°-90°    | 1042.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1042.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 624  | 624  | 624 | 624  | 624  |      |
| 5°  | 959  | 873  | 601 | 309  | 203  | 96   |
| 15° | 1384 | 1130 | 358 | 21   | 16   | 382  |
| 25° | 1357 | 1292 | 70  | 12   | 14   | 644  |
| 35° | 1556 | 1094 | 12  | 12   | 14   | 969  |
| 45° | 1388 | 434  | 5   | 13   | 16   | 1000 |
| 55° | 316  | 3    | 5   | 14   | 17   | 335  |
| 65° | 3    | 3    | 5   | 12   | 15   | 2    |
| 75° | 1    | 2    | 4   | 9    | 13   | 1    |
| 85° | 0    | 1    | 2   | 4    | 4    | 0    |
| 90° | 0    | 0    | 0   | 0    | 0    |      |

TEST NUMBER: P1314440

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  | 624.5  |
| 2.5°  | 814.6  | 814.6  | 811.9  | 812.8  | 811.0  | 801.0  | 799.2  | 786.6  | 775.7  | 763.9  | 754.0  |
| 5°    | 959.4  | 961.2  | 958.5  | 953.1  | 945.9  | 938.6  | 923.2  | 911.5  | 896.1  | 873.4  | 852.6  |
| 7.5°  | 1041.8 | 1040.0 | 1035.5 | 1033.7 | 1029.1 | 1021.0 | 1010.1 | 997.5  | 979.3  | 956.7  | 932.3  |
| 10°   | 1139.6 | 1124.2 | 1119.6 | 1112.4 | 1097.9 | 1081.6 | 1062.6 | 1045.4 | 1030.0 | 1009.2 | 983.0  |
| 12.5° | 1297.0 | 1294.3 | 1276.2 | 1262.7 | 1242.7 | 1206.5 | 1174.0 | 1135.9 | 1090.7 | 1054.5 | 1020.1 |
| 15°   | 1383.9 | 1385.8 | 1377.6 | 1366.7 | 1354.1 | 1324.2 | 1291.6 | 1247.3 | 1193.9 | 1130.5 | 1074.4 |
| 17.5° | 1399.3 | 1402.0 | 1397.5 | 1393.0 | 1389.4 | 1372.2 | 1352.3 | 1320.6 | 1271.7 | 1212.9 | 1129.6 |
| 20°   | 1386.7 | 1392.1 | 1393.0 | 1398.4 | 1405.7 | 1398.4 | 1382.1 | 1360.4 | 1319.7 | 1258.1 | 1178.5 |
| 22.5° | 1358.6 | 1368.6 | 1375.8 | 1394.8 | 1413.8 | 1413.8 | 1403.9 | 1386.7 | 1346.8 | 1286.2 | 1204.7 |
| 25°   | 1356.8 | 1358.6 | 1361.3 | 1392.1 | 1422.0 | 1428.3 | 1419.2 | 1401.1 | 1357.7 | 1292.5 | 1203.8 |
| 27.5° | 1402.0 | 1390.3 | 1372.2 | 1402.9 | 1438.2 | 1443.7 | 1431.0 | 1406.6 | 1355.0 | 1278.0 | 1173.0 |
| 30°   | 1494.4 | 1468.1 | 1430.1 | 1452.7 | 1477.2 | 1470.8 | 1445.5 | 1406.6 | 1336.9 | 1240.9 | 1115.1 |
| 32.5° | 1529.7 | 1515.2 | 1501.6 | 1526.0 | 1530.6 | 1504.3 | 1459.1 | 1401.1 | 1307.9 | 1188.4 | 1020.1 |
| 35°   | 1555.9 | 1556.8 | 1551.4 | 1555.9 | 1534.2 | 1497.1 | 1447.3 | 1371.3 | 1253.6 | 1094.3 | 894.3  |
| 37.5° | 1565.0 | 1566.8 | 1555.0 | 1538.7 | 1506.1 | 1463.6 | 1403.9 | 1317.0 | 1163.1 | 964.9  | 704.2  |
| 40°   | 1536.9 | 1531.5 | 1512.5 | 1489.8 | 1454.5 | 1411.1 | 1345.9 | 1216.5 | 1028.2 | 770.3  | 549.4  |
| 42.5° | 1487.1 | 1478.1 | 1455.4 | 1428.3 | 1391.2 | 1336.0 | 1231.9 | 1075.3 | 835.4  | 601.0  | 384.7  |
| 45°   | 1387.6 | 1381.2 | 1353.2 | 1333.3 | 1288.9 | 1217.4 | 1083.4 | 886.1  | 646.3  | 434.5  | 222.7  |
| 47.5° | 1078.0 | 1078.9 | 1100.6 | 1110.6 | 1095.2 | 1038.2 | 880.7  | 673.4  | 471.6  | 258.9  | 75.1   |
| 50°   | 964.9  | 960.3  | 938.6  | 908.7  | 859.0  | 773.9  | 646.3  | 476.1  | 278.8  | 84.2   | 10.9   |
| 52.5° | 732.2  | 732.2  | 721.4  | 706.0  | 653.5  | 571.1  | 437.2  | 263.4  | 97.8   | 14.5   | 2.7    |
| 55°   | 315.9  | 299.6  | 308.6  | 325.8  | 312.3  | 271.5  | 204.6  | 78.7   | 17.2   | 2.7    | 2.7    |
| 57.5° | 4.5    | 10.9   | 16.3   | 26.2   | 35.3   | 42.5   | 22.6   | 8.1    | 2.7    | 2.7    | 2.7    |
| 60°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 62.5° | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 65°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 67.5° | 1.8    | 1.8    | 1.8    | 2.7    | 1.8    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 70°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 2.7    | 2.7    |
| 72.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 75°   | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 77.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 80°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    |
| 82.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.8    | 1.8    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 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°    | 624.5  | 624.5 | 624.5 | 624.5 | 624.5  | 624.5 | 624.5  | 624.5 |
| 2.5°  | 739.5  | 724.1 | 698.8 | 621.8 | 542.2  | 468.9 | 416.4  | 396.4 |
| 5°    | 829.1  | 801.0 | 758.5 | 601.0 | 442.6  | 308.6 | 232.6  | 202.7 |
| 7.5°  | 899.7  | 863.5 | 801.9 | 564.8 | 324.9  | 164.7 | 98.7   | 77.8  |
| 10°   | 946.8  | 906.9 | 826.4 | 511.4 | 215.4  | 76.9  | 37.1   | 30.8  |
| 12.5° | 981.2  | 931.4 | 835.4 | 442.6 | 126.7  | 35.3  | 19.9   | 18.1  |
| 15°   | 1006.5 | 942.2 | 824.6 | 358.4 | 69.7   | 20.8  | 16.3   | 16.3  |
| 17.5° | 1041.8 | 947.7 | 798.3 | 264.3 | 39.8   | 15.4  | 15.4   | 15.4  |
| 20°   | 1069.0 | 947.7 | 748.5 | 180.1 | 24.4   | 13.6  | 13.6   | 13.6  |
| 22.5° | 1082.5 | 933.2 | 687.9 | 114.0 | 17.2   | 12.7  | 13.6   | 13.6  |
| 25°   | 1069.0 | 897.9 | 610.1 | 69.7  | 13.6   | 11.8  | 12.7   | 13.6  |
| 27.5° | 1019.2 | 827.3 | 506.0 | 44.4  | 10.9   | 11.8  | 12.7   | 13.6  |
| 30°   | 935.9  | 725.0 | 388.3 | 29.0  | 10.0   | 11.8  | 12.7   | 13.6  |
| 32.5° | 818.2  | 572.9 | 251.6 | 19.0  | 9.1    | 11.8  | 12.7   | 13.6  |
| 35°   | 639.0  | 405.5 | 152.1 | 11.8  | 9.1    | 11.8  | 13.6   | 14.5  |
| 37.5° | 478.8  | 270.6 | 82.4  | 7.2   | 9.1    | 11.8  | 13.6   | 14.5  |
| 40°   | 332.2  | 157.5 | 35.3  | 6.3   | 9.1    | 12.7  | 14.5   | 14.5  |
| 42.5° | 192.8  | 62.5  | 9.1   | 5.4   | 9.1    | 12.7  | 14.5   | 15.4  |
| 45°   | 70.6   | 12.7  | 2.7   | 5.4   | 10.0   | 12.7  | 14.5   | 16.3  |
| 47.5° | 10.0   | 2.7   | 2.7   | 5.4   | 10.0   | 12.7  | 15.4   | 16.3  |
| 50°   | 2.7    | 2.7   | 2.7   | 5.4   | 10.0   | 13.6  | 16.3   | 17.2  |
| 52.5° | 2.7    | 2.7   | 2.7   | 5.4   | 10.0   | 13.6  | 16.3   | 17.2  |
| 55°   | 2.7    | 2.7   | 2.7   | 5.4   | 10.0   | 13.6  | 16.3   | 17.2  |
| 57.5° | 2.7    | 2.7   | 2.7   | 5.4   | 10.0   | 13.6  | 16.3   | 17.2  |
| 60°   | 2.7    | 2.7   | 2.7   | 5.4   | 9.1    | 13.6  | 16.3   | 17.2  |
| 62.5° | 2.7    | 2.7   | 2.7   | 5.4   | 9.1    | 12.7  | 15.4   | 16.3  |
| 65°   | 2.7    | 2.7   | 2.7   | 5.4   | 8.1    | 11.8  | 15.4   | 15.4  |
| 67.5° | 2.7    | 2.7   | 2.7   | 4.5   | 8.1    | 11.8  | 14.5   | 15.4  |
| 70°   | 2.7    | 2.7   | 2.7   | 4.5   | 7.2    | 10.9  | 13.6   | 14.5  |
| 72.5° | 2.7    | 2.7   | 2.7   | 3.6   | 6.3    | 10.0  | 12.7   | 13.6  |
| 75°   | 1.8    | 2.7   | 2.7   | 3.6   | 6.3    | 9.1   | 11.8   | 12.7  |
| 77.5° | 1.8    | 2.7   | 2.7   | 2.7   | 5.4    | 7.2   | 10.0   | 10.9  |
| 80°   | 1.8    | 1.8   | 2.7   | 2.7   | 4.5    | 6.3   | 8.1    | 9.1   |
| 82.5° | 1.8    | 1.8   | 1.8   | 2.7   | 3.6    | 4.5   | 6.3    | 6.3   |
| 85°   | 1.8    | 1.8   | 1.8   | 1.8   | 2.7    | 3.6   | 4.5    | 4.5   |
| 87.5° | 0.9    | 0.9   | 1.8   | 1.8   | 1.8    | 1.8   | 1.8    | 1.8   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)