

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: P1306139

Luminaire Tested: P3SQAS17R609024DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R609024DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

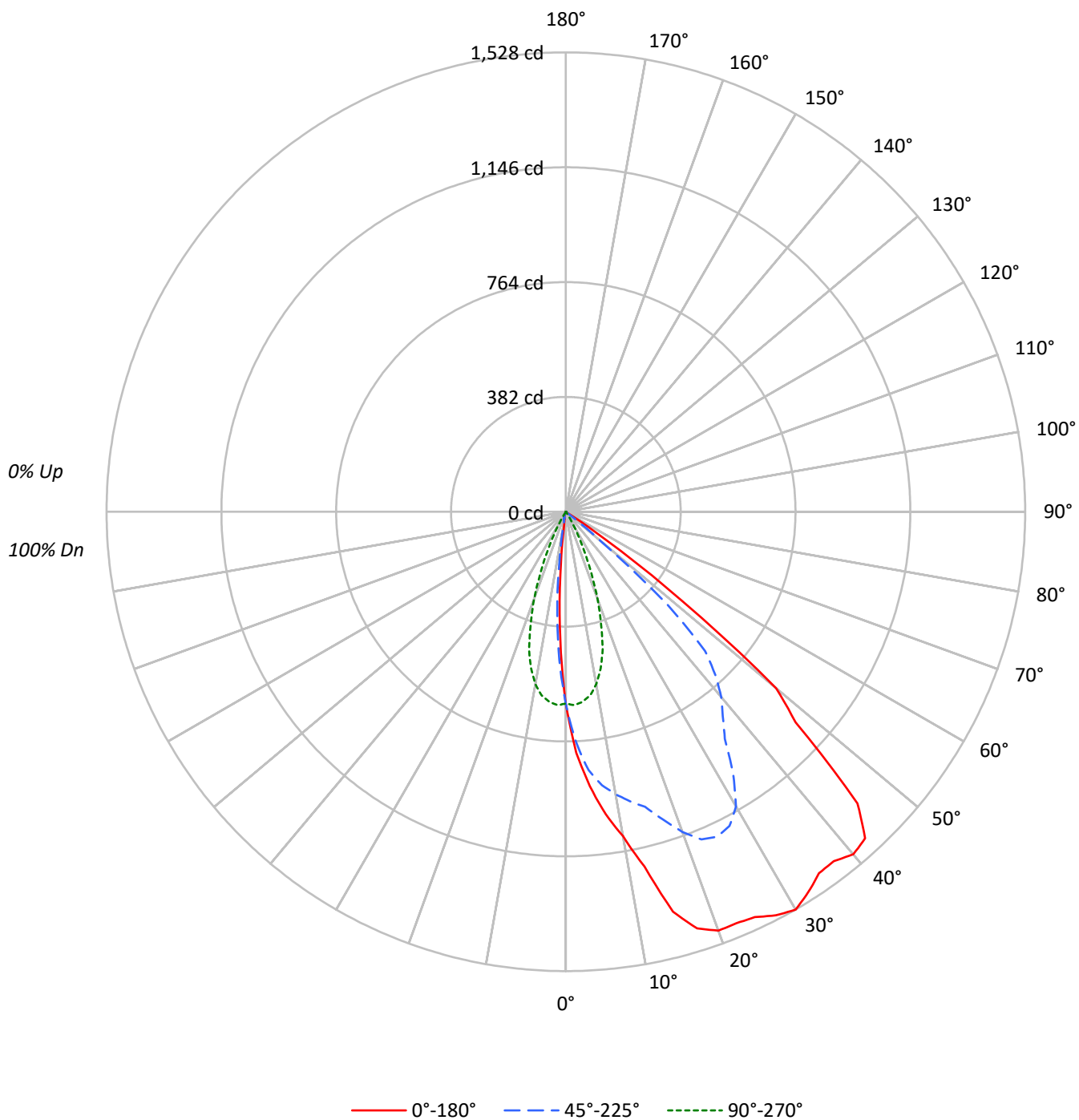
Lumens per Lamp: N/A  
Luminaire Lumens: 1036.9 lumens  
Efficiency: N/A  
Efficacy: 48.9 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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CATALOG NUMBER: P3SQAS17R609024DE010 E3SQCA301MB

### 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 |
| 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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 89  | 86  | 84  | 82  |    |    |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 78  | 76  | 74  |    |    |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 69  | 75  | 71  | 68  | 66  |    |    |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 63  | 73  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 60  |    |    |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 49  |    |    |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    |
| 9   | 66  | 55  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |    |

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

|     | 0°     | 45°    | 90°    | 135°   | 180°   |
|-----|--------|--------|--------|--------|--------|
| 0°  | 109878 | 109878 | 109878 | 109878 | 109878 |
| 5°  | 158393 | 149161 | 109710 | 56532  | 36305  |
| 10° | 191580 | 166765 | 101850 | 6750   | 3970   |
| 15° | 245534 | 181169 | 84406  | 4457   | 3637   |
| 20° | 271743 | 207651 | 56595  | 2493   | 422    |
| 25° | 282608 | 226512 | 27839  | 209    | 0      |
| 30° | 303886 | 225096 | 7676   | 0      | 0      |
| 35° | 308619 | 193804 | 0      | 0      | 0      |
| 40° | 334353 | 180711 | 0      | 0      | 0      |
| 45° | 334018 | 159556 | 0      | 0      | 0      |
| 50° | 244567 | 38636  | 0      | 0      | 0      |
| 55° | 47711  | 0      | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      | 0      | 0      |
| 65° | 0      | 448    | 448    | 0      | 0      |
| 70° | 0      | 554    | 554    | 0      | 0      |
| 75° | 0      | 732    | 732    | 0      | 0      |
| 80° | 0      | 1091   | 1091   | 1091   | 0      |
| 85° | 0      | 2174   | 2174   | 2174   | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 334578 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.8   | 5.3       |
| 10°-20°   | 156.0  | 15.0      |
| 20°-30°   | 248.7  | 24.0      |
| 30°-40°   | 287.4  | 27.7      |
| 40°-50°   | 228.3  | 22.0      |
| 50°-60°   | 60.1   | 5.8       |
| 60°-70°   | 0.4    | 0.0       |
| 70°-80°   | 0.6    | 0.1       |
| 80°-90°   | 0.6    | 0.1       |
| 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°    | 459.5  | 44.3      |
| 0°-40°    | 746.9  | 72.0      |
| 0°-60°    | 1035.3 | 99.8      |
| 0°-90°    | 1036.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1036.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 638  | 638  | 638 | 638  | 638  |      |
| 5°  | 916  | 863  | 635 | 327  | 210  | 93   |
| 15° | 1377 | 1016 | 473 | 25   | 20   | 384  |
| 25° | 1487 | 1192 | 146 | 1    | 0    | 694  |
| 35° | 1468 | 922  | 0   | 0    | 0    | 932  |
| 45° | 1371 | 655  | 0   | 0    | 0    | 977  |
| 55° | 159  | 0    | 0   | 0    | 0    | 240  |
| 65° | 0    | 1    | 1   | 0    | 0    | 0    |
| 75° | 0    | 1    | 1   | 0    | 0    | 0    |
| 85° | 0    | 1    | 1   | 1    | 0    | 0    |
| 90° | 0    | 0    | 0   | 0    | 0    |      |

TEST NUMBER: P1306139

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  | 638.0  |
| 2.5°  | 802.6  | 810.6  | 807.2  | 803.8  | 795.8  | 792.4  | 792.4  | 783.3  | 768.6  | 766.3  | 756.1  |
| 5°    | 916.2  | 918.4  | 918.4  | 916.2  | 910.5  | 901.4  | 899.1  | 890.1  | 876.4  | 862.8  | 849.2  |
| 7.5°  | 1014.9 | 1013.8 | 1007.0 | 1002.5 | 992.2  | 979.7  | 968.4  | 955.9  | 935.5  | 917.3  | 898.0  |
| 10°   | 1095.5 | 1099.0 | 1093.3 | 1081.9 | 1068.3 | 1051.3 | 1033.1 | 1011.5 | 980.9  | 953.6  | 928.7  |
| 12.5° | 1209.1 | 1207.9 | 1193.2 | 1173.9 | 1141.0 | 1109.2 | 1080.8 | 1056.9 | 1019.5 | 986.6  | 955.9  |
| 15°   | 1377.1 | 1374.8 | 1361.2 | 1344.2 | 1296.5 | 1248.8 | 1200.0 | 1133.0 | 1070.6 | 1016.1 | 972.9  |
| 17.5° | 1453.2 | 1457.7 | 1446.3 | 1437.3 | 1410.0 | 1378.2 | 1335.1 | 1268.1 | 1171.6 | 1072.8 | 982.0  |
| 20°   | 1482.7 | 1488.4 | 1480.4 | 1479.3 | 1466.8 | 1452.0 | 1416.8 | 1344.2 | 1249.9 | 1133.0 | 1020.6 |
| 22.5° | 1481.5 | 1486.1 | 1482.7 | 1497.4 | 1512.2 | 1504.2 | 1461.1 | 1388.5 | 1292.0 | 1179.6 | 1052.4 |
| 25°   | 1487.2 | 1483.8 | 1471.3 | 1492.9 | 1514.5 | 1507.7 | 1486.1 | 1423.6 | 1318.1 | 1192.0 | 1063.8 |
| 27.5° | 1513.3 | 1488.4 | 1463.4 | 1490.6 | 1500.8 | 1503.1 | 1490.6 | 1416.8 | 1313.5 | 1178.4 | 1041.1 |
| 30°   | 1528.1 | 1500.8 | 1480.4 | 1503.1 | 1503.1 | 1515.6 | 1489.5 | 1405.5 | 1274.9 | 1131.9 | 980.9  |
| 32.5° | 1500.8 | 1495.2 | 1513.3 | 1536.0 | 1541.7 | 1541.7 | 1483.8 | 1368.0 | 1210.2 | 1036.5 | 884.4  |
| 35°   | 1467.9 | 1481.5 | 1533.8 | 1544.0 | 1544.0 | 1519.0 | 1448.6 | 1302.2 | 1113.7 | 921.8  | 812.9  |
| 37.5° | 1464.5 | 1486.1 | 1544.0 | 1531.5 | 1511.1 | 1464.5 | 1362.3 | 1187.5 | 976.3  | 857.1  | 759.5  |
| 40°   | 1487.2 | 1507.7 | 1541.7 | 1496.3 | 1447.5 | 1374.8 | 1252.2 | 1037.6 | 893.5  | 803.8  | 694.8  |
| 42.5° | 1473.6 | 1492.9 | 1494.0 | 1427.0 | 1357.8 | 1259.0 | 1096.7 | 916.2  | 833.3  | 735.7  | 621.0  |
| 45°   | 1371.4 | 1373.7 | 1369.2 | 1297.6 | 1226.1 | 1123.9 | 951.4  | 856.0  | 767.5  | 655.1  | 456.4  |
| 47.5° | 1036.5 | 1032.0 | 1049.0 | 1028.6 | 1032.0 | 970.7  | 863.9  | 785.6  | 680.0  | 459.8  | 138.5  |
| 50°   | 912.8  | 907.1  | 890.1  | 871.9  | 853.7  | 824.2  | 774.3  | 690.3  | 490.4  | 144.2  | 4.5    |
| 52.5° | 489.3  | 516.6  | 569.9  | 651.7  | 682.3  | 680.0  | 642.6  | 510.9  | 154.4  | 1.1    | 0.0    |
| 55°   | 158.9  | 156.7  | 174.8  | 206.6  | 283.8  | 327.0  | 340.6  | 173.7  | 3.4    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 3.4    | 11.4   | 29.5   | 38.6   | 2.3    | 0.0    | 1.1    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 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°    | 638.0 | 638.0 | 638.0 | 638.0 | 638.0  | 638.0 | 638.0  | 638.0 |
| 2.5°  | 742.5 | 726.6 | 708.4 | 643.7 | 567.6  | 493.8 | 440.5  | 426.9 |
| 5°    | 827.6 | 800.4 | 761.8 | 634.6 | 468.9  | 327.0 | 233.9  | 210.0 |
| 7.5°  | 871.9 | 848.1 | 807.2 | 616.5 | 363.3  | 161.2 | 60.2   | 40.9  |
| 10°   | 899.1 | 870.8 | 825.4 | 582.4 | 237.3  | 38.6  | 21.6   | 22.7  |
| 12.5° | 918.4 | 885.5 | 834.4 | 533.6 | 120.3  | 19.3  | 27.2   | 28.4  |
| 15°   | 926.4 | 891.2 | 833.3 | 473.4 | 43.1   | 25.0  | 23.8   | 20.4  |
| 17.5° | 921.8 | 877.6 | 818.5 | 387.1 | 14.8   | 23.8  | 12.5   | 10.2  |
| 20°   | 916.2 | 866.2 | 794.7 | 308.8 | 12.5   | 13.6  | 4.5    | 2.3   |
| 22.5° | 934.3 | 846.9 | 761.8 | 221.4 | 12.5   | 4.5   | 0.0    | 0.0   |
| 25°   | 936.6 | 839.0 | 719.8 | 146.5 | 5.7    | 1.1   | 0.0    | 0.0   |
| 27.5° | 913.9 | 792.4 | 655.1 | 86.3  | 0.0    | 0.0   | 0.0    | 0.0   |
| 30°   | 841.2 | 734.5 | 585.8 | 38.6  | 0.0    | 0.0   | 0.0    | 0.0   |
| 32.5° | 769.7 | 669.8 | 508.6 | 9.1   | 0.0    | 0.0   | 0.0    | 0.0   |
| 35°   | 713.0 | 602.8 | 423.5 | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 37.5° | 642.6 | 523.4 | 315.6 | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 40°   | 568.8 | 422.3 | 157.8 | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 42.5° | 443.9 | 200.9 | 15.9  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 45°   | 170.3 | 18.2  | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 47.5° | 9.1   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 50°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 60°   | 1.1   | 1.1   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 62.5° | 1.1   | 1.1   | 1.1   | 1.1   | 0.0    | 0.0   | 0.0    | 0.0   |
| 65°   | 1.1   | 1.1   | 1.1   | 1.1   | 0.0    | 0.0   | 0.0    | 0.0   |
| 67.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 70°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 72.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 75°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 77.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 80°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 1.1   | 0.0    | 0.0   |
| 82.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 85°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 1.1   | 0.0    | 0.0   |
| 87.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1    | 1.1   | 0.0    | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)