

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: P1312037

Luminaire Tested: P3SQAS02R709727DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R709727DE010 E3SQCLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC  
Light Source: -  
Ballast/Driver: -

**Summary**

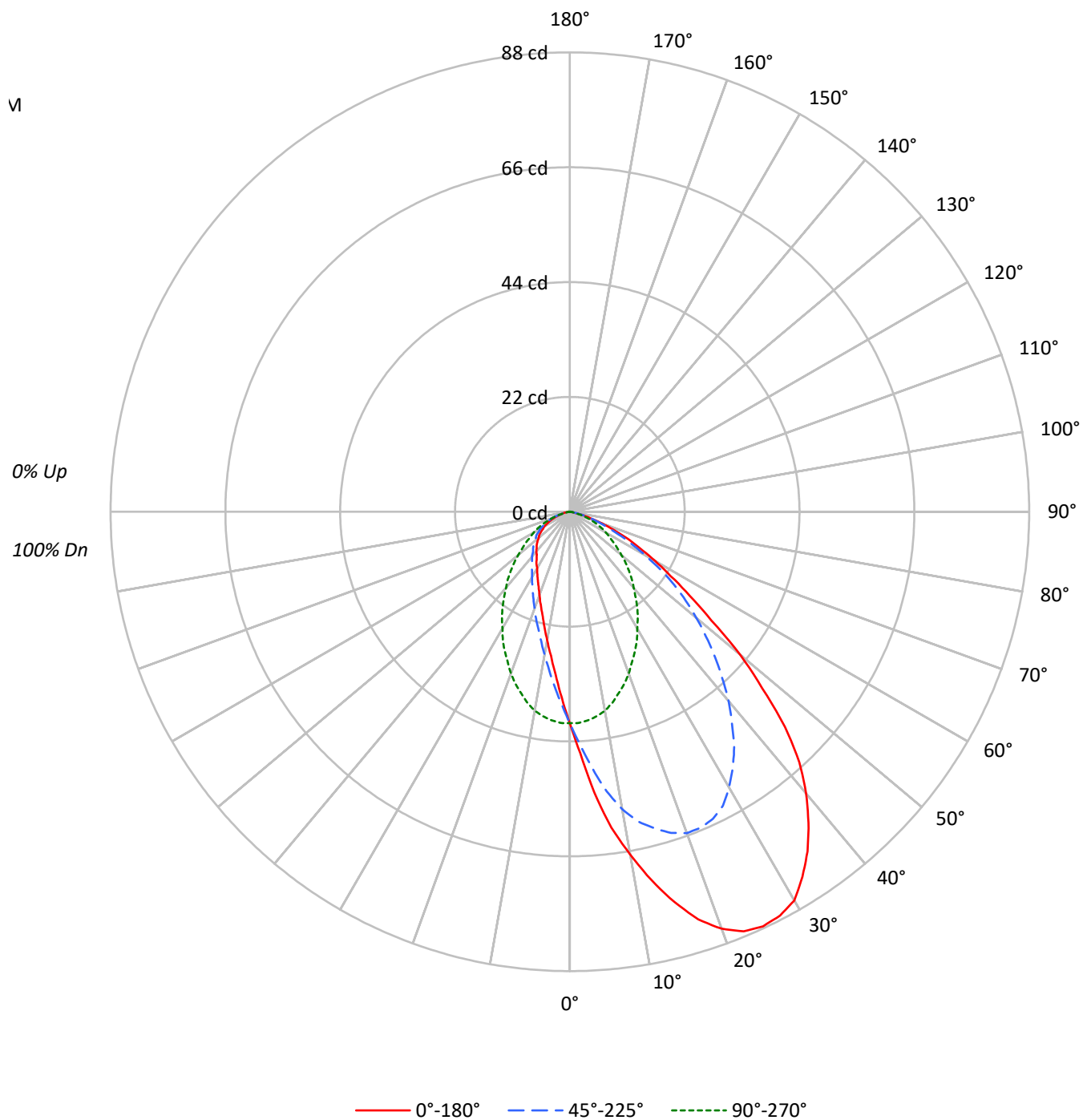
Lumens per Lamp: N/A  
Luminaire Lumens: 99.0 lumens  
Efficiency: N/A  
Efficacy: 27.5 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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### 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 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 90  | 90  | 88  |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 84  | 90  | 85  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 78  | 78  | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 68  | 68  | 66  |
| 4   | 87  | 76  | 68  | 63  | 85  | 75  | 68  | 62  | 73  | 66  | 61  | 70  | 65  | 60  | 68  | 64  | 60  | 60  | 60  | 58  |
| 5   | 80  | 69  | 61  | 55  | 78  | 68  | 60  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 53  | 53  | 51  |
| 6   | 75  | 62  | 54  | 48  | 73  | 62  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 47  | 47  | 45  |
| 7   | 69  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 38  | 38  | 36  |
| 9   | 61  | 48  | 40  | 35  | 59  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 35  | 35  | 33  |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 32  | 32  | 30  |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 6975  | 6975  | 6975 | 6975 | 6975 |
| 5°  | 9336  | 8523  | 6933 | 5809 | 5411 |
| 10° | 11664 | 10126 | 6768 | 4862 | 4372 |
| 15° | 13800 | 11197 | 6419 | 4154 | 3619 |
| 20° | 15578 | 12005 | 6048 | 3611 | 3116 |
| 25° | 16646 | 12333 | 5606 | 3192 | 2755 |
| 30° | 17102 | 12131 | 5131 | 2884 | 2486 |
| 35° | 16693 | 11542 | 4731 | 2670 | 2334 |
| 40° | 15827 | 10634 | 4272 | 2540 | 2248 |
| 45° | 14200 | 9572  | 3897 | 2436 | 2192 |
| 50° | 11414 | 8493  | 3456 | 2358 | 2090 |
| 55° | 8407  | 7326  | 3063 | 2342 | 2042 |
| 60° | 6476  | 5718  | 2756 | 2273 | 1963 |
| 65° | 4931  | 4238  | 2404 | 2078 | 1752 |
| 70° | 3323  | 2971  | 1863 | 1863 | 1460 |
| 75° | 1797  | 1797  | 1198 | 1198 | 1065 |
| 80° | 397   | 793   | 595  | 793  | 992  |
| 85° | 0     | 395   | 395  | 790  | 790  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14200 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.0    | 4.0       |
| 10°-20°   | 12.1   | 12.3      |
| 20°-30°   | 18.7   | 18.9      |
| 30°-40°   | 21.3   | 21.5      |
| 40°-50°   | 19.2   | 19.4      |
| 50°-60°   | 13.5   | 13.6      |
| 60°-70°   | 7.4    | 7.5       |
| 70°-80°   | 2.5    | 2.5       |
| 80°-90°   | 0.3    | 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°    | 34.9   | 35.2      |
| 0°-40°    | 56.1   | 56.7      |
| 0°-60°    | 88.8   | 89.7      |
| 0°-90°    | 99.0   | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 99.0   | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0°  | 40 | 40  | 40  | 40   | 40   |      |
| 5°  | 54 | 49  | 40  | 34   | 31   | 6    |
| 15° | 77 | 63  | 36  | 23   | 20   | 22   |
| 25° | 88 | 65  | 30  | 17   | 14   | 40   |
| 35° | 79 | 55  | 22  | 13   | 11   | 49   |
| 45° | 58 | 39  | 16  | 10   | 9    | 44   |
| 55° | 28 | 24  | 10  | 8    | 7    | 26   |
| 65° | 12 | 10  | 6   | 5    | 4    | 12   |
| 75° | 3  | 3   | 2   | 2    | 2    | 3    |
| 85° | 0  | 0   | 0   | 0    | 0    | 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°    | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 2.5°  | 46.3 | 46.7 | 46.9 | 46.5 | 46.3 | 46.1 | 45.7 | 45.4 | 45.0 | 44.6 | 44.4 |
| 5°    | 54.0 | 54.0 | 54.0 | 53.6 | 53.0 | 52.6 | 51.8 | 51.2 | 50.2 | 49.3 | 48.5 |
| 7.5°  | 61.0 | 61.0 | 60.8 | 60.2 | 59.8 | 58.8 | 57.7 | 56.9 | 55.3 | 54.0 | 52.4 |
| 10°   | 66.7 | 66.7 | 66.5 | 65.5 | 64.9 | 63.7 | 62.6 | 61.2 | 59.6 | 57.9 | 56.1 |
| 12.5° | 72.3 | 72.3 | 71.4 | 70.6 | 69.4 | 67.8 | 66.3 | 64.9 | 62.6 | 60.8 | 58.5 |
| 15°   | 77.4 | 77.4 | 77.0 | 75.5 | 73.9 | 72.1 | 70.0 | 68.0 | 65.3 | 62.8 | 60.4 |
| 17.5° | 81.9 | 81.7 | 81.1 | 79.4 | 77.8 | 75.5 | 73.1 | 70.6 | 67.4 | 64.5 | 61.4 |
| 20°   | 85.0 | 85.0 | 84.1 | 82.3 | 80.5 | 78.0 | 75.3 | 72.5 | 69.0 | 65.5 | 61.8 |
| 22.5° | 87.0 | 86.8 | 86.0 | 84.1 | 81.9 | 79.4 | 76.4 | 73.3 | 69.4 | 65.5 | 61.6 |
| 25°   | 87.6 | 87.4 | 86.6 | 84.5 | 82.3 | 79.6 | 76.4 | 73.1 | 69.0 | 64.9 | 60.6 |
| 27.5° | 87.2 | 87.0 | 86.2 | 83.9 | 81.7 | 78.6 | 75.3 | 71.9 | 67.8 | 63.5 | 59.2 |
| 30°   | 86.0 | 85.4 | 84.5 | 82.5 | 80.0 | 77.0 | 73.5 | 69.6 | 65.5 | 61.0 | 56.7 |
| 32.5° | 82.9 | 82.9 | 81.9 | 79.8 | 77.4 | 74.1 | 70.6 | 66.9 | 62.4 | 58.1 | 53.6 |
| 35°   | 79.4 | 79.2 | 78.4 | 76.2 | 73.9 | 70.8 | 67.4 | 63.5 | 59.2 | 54.9 | 50.6 |
| 37.5° | 75.1 | 74.9 | 74.1 | 72.1 | 69.6 | 66.7 | 63.1 | 59.4 | 55.3 | 51.0 | 47.1 |
| 40°   | 70.4 | 70.0 | 69.0 | 67.4 | 65.3 | 62.0 | 58.8 | 55.1 | 51.2 | 47.3 | 43.4 |
| 42.5° | 65.1 | 64.7 | 63.9 | 62.6 | 60.2 | 57.3 | 54.2 | 50.8 | 47.1 | 43.2 | 40.3 |
| 45°   | 58.3 | 58.3 | 57.9 | 56.7 | 54.9 | 52.6 | 49.3 | 46.3 | 42.8 | 39.3 | 36.2 |
| 47.5° | 50.0 | 50.4 | 50.2 | 49.5 | 48.7 | 46.7 | 44.4 | 41.8 | 38.5 | 35.4 | 32.5 |
| 50°   | 42.6 | 42.8 | 43.0 | 42.6 | 42.0 | 40.5 | 39.1 | 37.5 | 34.6 | 31.7 | 29.1 |
| 52.5° | 34.2 | 34.8 | 34.8 | 35.0 | 35.0 | 34.6 | 34.2 | 32.3 | 30.9 | 28.0 | 25.6 |
| 55°   | 28.0 | 28.0 | 28.0 | 28.5 | 28.7 | 28.9 | 28.5 | 28.0 | 26.4 | 24.4 | 22.1 |
| 57.5° | 22.9 | 22.9 | 23.3 | 23.1 | 23.1 | 23.5 | 23.5 | 23.3 | 22.3 | 20.5 | 18.4 |
| 60°   | 18.8 | 18.8 | 18.8 | 18.8 | 19.0 | 19.0 | 19.0 | 19.0 | 18.2 | 16.6 | 14.9 |
| 62.5° | 15.1 | 15.1 | 15.1 | 15.4 | 15.4 | 15.4 | 15.6 | 15.4 | 14.5 | 13.3 | 11.9 |
| 65°   | 12.1 | 11.9 | 12.1 | 12.1 | 12.3 | 12.3 | 12.3 | 12.1 | 11.3 | 10.4 | 9.4  |
| 67.5° | 9.0  | 9.2  | 9.2  | 9.2  | 9.4  | 9.6  | 9.4  | 9.2  | 8.6  | 7.8  | 7.4  |
| 70°   | 6.6  | 6.8  | 6.8  | 6.8  | 7.0  | 7.2  | 7.0  | 6.8  | 6.3  | 5.9  | 5.5  |
| 72.5° | 4.3  | 4.5  | 4.5  | 4.7  | 4.9  | 4.9  | 4.7  | 4.7  | 4.5  | 4.1  | 3.9  |
| 75°   | 2.7  | 2.7  | 2.9  | 2.9  | 3.1  | 3.1  | 3.1  | 2.9  | 2.9  | 2.7  | 2.7  |
| 77.5° | 1.2  | 1.2  | 1.4  | 1.4  | 1.4  | 1.6  | 1.6  | 1.6  | 1.6  | 1.6  | 1.4  |
| 80°   | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.6  | 0.6  | 0.6  | 0.8  | 0.8  | 0.8  |
| 82.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.4  | 0.4  | 0.4  |
| 85°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 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  | 0.0  |
| 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°    | 40.5 | 40.5 | 40.5  | 40.5 | 40.5   | 40.5 | 40.5   | 40.5 |
| 2.5°  | 44.0 | 43.4 | 42.6  | 40.5 | 38.5   | 36.8 | 35.8   | 35.6 |
| 5°    | 47.5 | 46.5 | 44.6  | 40.1 | 36.4   | 33.6 | 31.9   | 31.3 |
| 7.5°  | 51.0 | 49.1 | 46.5  | 39.5 | 34.0   | 30.5 | 28.7   | 27.8 |
| 10°   | 53.8 | 51.6 | 48.1  | 38.7 | 31.9   | 27.8 | 25.6   | 25.0 |
| 12.5° | 56.1 | 53.4 | 49.1  | 37.5 | 29.9   | 25.4 | 23.1   | 22.5 |
| 15°   | 57.5 | 54.7 | 49.7  | 36.0 | 27.8   | 23.3 | 21.1   | 20.3 |
| 17.5° | 58.1 | 54.7 | 49.5  | 34.6 | 26.0   | 21.5 | 19.2   | 18.6 |
| 20°   | 58.1 | 54.2 | 48.9  | 33.0 | 24.2   | 19.7 | 17.6   | 17.0 |
| 22.5° | 57.5 | 53.4 | 47.5  | 31.1 | 22.5   | 18.2 | 16.2   | 15.6 |
| 25°   | 56.3 | 51.8 | 45.9  | 29.5 | 20.9   | 16.8 | 14.9   | 14.5 |
| 27.5° | 54.5 | 50.0 | 43.8  | 27.8 | 19.4   | 15.6 | 13.9   | 13.5 |
| 30°   | 52.2 | 47.7 | 41.6  | 25.8 | 18.0   | 14.5 | 13.1   | 12.5 |
| 32.5° | 49.3 | 45.0 | 39.1  | 24.2 | 16.8   | 13.5 | 12.3   | 11.9 |
| 35°   | 46.3 | 42.4 | 36.4  | 22.5 | 15.6   | 12.7 | 11.5   | 11.1 |
| 37.5° | 43.2 | 39.1 | 34.2  | 20.7 | 14.5   | 11.9 | 10.8   | 10.4 |
| 40°   | 39.9 | 36.8 | 31.7  | 19.0 | 13.7   | 11.3 | 10.2   | 10.0 |
| 42.5° | 36.6 | 33.4 | 28.3  | 17.6 | 12.7   | 10.4 | 9.6    | 9.4  |
| 45°   | 32.8 | 29.7 | 25.6  | 16.0 | 11.9   | 10.0 | 9.2    | 9.0  |
| 47.5° | 29.5 | 26.6 | 22.9  | 14.5 | 11.1   | 9.4  | 8.6    | 8.4  |
| 50°   | 26.4 | 23.5 | 20.1  | 12.9 | 10.2   | 8.8  | 8.2    | 7.8  |
| 52.5° | 22.9 | 20.5 | 17.4  | 11.5 | 9.4    | 8.2  | 7.6    | 7.4  |
| 55°   | 19.9 | 17.4 | 14.5  | 10.2 | 8.6    | 7.8  | 7.0    | 6.8  |
| 57.5° | 16.4 | 14.3 | 12.3  | 9.0  | 7.8    | 7.0  | 6.6    | 6.1  |
| 60°   | 13.3 | 11.9 | 10.4  | 8.0  | 7.0    | 6.6  | 5.9    | 5.7  |
| 62.5° | 10.8 | 9.8  | 8.8   | 7.0  | 6.1    | 5.7  | 5.3    | 4.9  |
| 65°   | 8.6  | 8.0  | 7.2   | 5.9  | 5.3    | 5.1  | 4.7    | 4.3  |
| 67.5° | 6.8  | 6.3  | 5.7   | 4.7  | 4.5    | 4.3  | 3.9    | 3.5  |
| 70°   | 5.1  | 4.9  | 4.5   | 3.7  | 3.5    | 3.7  | 3.3    | 2.9  |
| 72.5° | 3.7  | 3.5  | 3.3   | 2.7  | 2.7    | 2.7  | 2.5    | 2.0  |
| 75°   | 2.5  | 2.3  | 2.0   | 1.8  | 1.8    | 1.8  | 1.8    | 1.6  |
| 77.5° | 1.4  | 1.4  | 1.2   | 1.0  | 1.2    | 1.2  | 1.4    | 1.4  |
| 80°   | 0.6  | 0.6  | 0.6   | 0.6  | 0.8    | 0.8  | 1.0    | 1.0  |
| 82.5° | 0.4  | 0.4  | 0.4   | 0.4  | 0.6    | 0.6  | 0.6    | 0.6  |
| 85°   | 0.2  | 0.2  | 0.2   | 0.2  | 0.2    | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.2  | 0.2  | 0.2   | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)