

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: P1305516

Luminaire Tested: P3SQAS02R709024DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305516  
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: P3SQAS02R709024DE010 E3SQCLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC  
Light Source: -  
Ballast/Driver: -

**Summary**

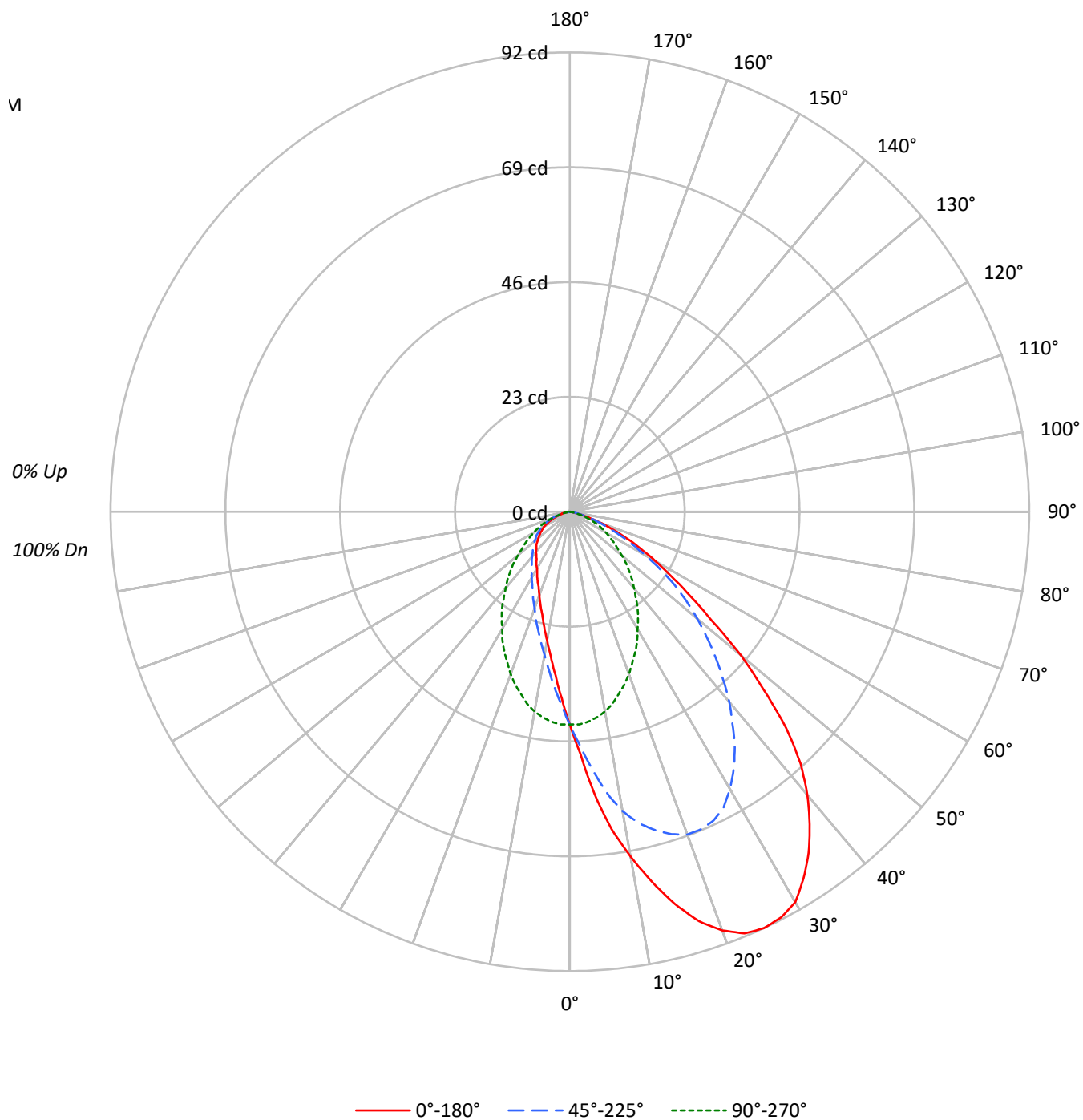
Lumens per Lamp: N/A  
Luminaire Lumens: 104.0 lumens  
Efficiency: N/A  
Efficacy: 28.9 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 76  | 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°  | 7337  | 7337  | 7337 | 7337 | 7337 |
| 5°  | 9820  | 8955  | 7296 | 6103 | 5688 |
| 10° | 12259 | 10650 | 7100 | 5106 | 4582 |
| 15° | 14496 | 11768 | 6740 | 4368 | 3798 |
| 20° | 16348 | 12609 | 6341 | 3775 | 3262 |
| 25° | 17482 | 12960 | 5891 | 3344 | 2907 |
| 30° | 17958 | 12747 | 5389 | 3043 | 2605 |
| 35° | 17534 | 12110 | 4983 | 2796 | 2439 |
| 40° | 16637 | 11174 | 4496 | 2653 | 2361 |
| 45° | 14930 | 10059 | 4092 | 2557 | 2314 |
| 50° | 11977 | 8922  | 3617 | 2465 | 2197 |
| 55° | 8858  | 7687  | 3243 | 2462 | 2132 |
| 60° | 6820  | 5993  | 2893 | 2377 | 2067 |
| 65° | 5175  | 4483  | 2527 | 2201 | 1834 |
| 70° | 3474  | 3122  | 1964 | 1964 | 1511 |
| 75° | 1863  | 1863  | 1264 | 1264 | 1131 |
| 80° | 397   | 893   | 595  | 893  | 1091 |
| 85° | 0     | 395   | 395  | 790  | 790  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14930 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.2    | 4.0       |
| 10°-20°   | 12.8   | 12.3      |
| 20°-30°   | 19.7   | 18.9      |
| 30°-40°   | 22.3   | 21.5      |
| 40°-50°   | 20.2   | 19.4      |
| 50°-60°   | 14.1   | 13.6      |
| 60°-70°   | 7.8    | 7.5       |
| 70°-80°   | 2.6    | 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°    | 36.6   | 35.2      |
| 0°-40°    | 59.0   | 56.7      |
| 0°-60°    | 93.3   | 89.7      |
| 0°-90°    | 104.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 104.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0°  | 43 | 43  | 43  | 43   | 43   |      |
| 5°  | 57 | 52  | 42  | 35   | 33   | 6    |
| 15° | 81 | 66  | 38  | 24   | 21   | 23   |
| 25° | 92 | 68  | 31  | 18   | 15   | 42   |
| 35° | 83 | 58  | 24  | 13   | 12   | 52   |
| 45° | 61 | 41  | 17  | 10   | 10   | 46   |
| 55° | 30 | 26  | 11  | 8    | 7    | 27   |
| 65° | 13 | 11  | 6   | 5    | 4    | 13   |
| 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°    | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 2.5°  | 48.6 | 49.0 | 49.2 | 48.8 | 48.6 | 48.4 | 48.0 | 47.7 | 47.3 | 46.9 | 46.7 |
| 5°    | 56.8 | 56.8 | 56.8 | 56.3 | 55.7 | 55.3 | 54.4 | 53.8 | 52.7 | 51.8 | 51.0 |
| 7.5°  | 64.1 | 64.1 | 63.9 | 63.2 | 62.8 | 61.7 | 60.6 | 59.8 | 58.1 | 56.8 | 55.1 |
| 10°   | 70.1 | 70.1 | 69.9 | 68.8 | 68.2 | 66.9 | 65.8 | 64.3 | 62.6 | 60.9 | 58.9 |
| 12.5° | 75.9 | 75.9 | 75.1 | 74.2 | 72.9 | 71.2 | 69.7 | 68.2 | 65.8 | 63.9 | 61.5 |
| 15°   | 81.3 | 81.3 | 80.9 | 79.4 | 77.6 | 75.7 | 73.5 | 71.4 | 68.6 | 66.0 | 63.4 |
| 17.5° | 86.0 | 85.8 | 85.2 | 83.4 | 81.7 | 79.4 | 76.8 | 74.2 | 70.8 | 67.7 | 64.5 |
| 20°   | 89.2 | 89.2 | 88.4 | 86.5 | 84.5 | 81.9 | 79.1 | 76.1 | 72.5 | 68.8 | 64.9 |
| 22.5° | 91.4 | 91.2 | 90.3 | 88.4 | 86.0 | 83.4 | 80.2 | 77.0 | 72.9 | 68.8 | 64.7 |
| 25°   | 92.0 | 91.8 | 91.0 | 88.8 | 86.5 | 83.7 | 80.2 | 76.8 | 72.5 | 68.2 | 63.7 |
| 27.5° | 91.6 | 91.4 | 90.5 | 88.2 | 85.8 | 82.6 | 79.1 | 75.5 | 71.2 | 66.7 | 62.2 |
| 30°   | 90.3 | 89.7 | 88.8 | 86.7 | 84.1 | 80.9 | 77.2 | 73.1 | 68.8 | 64.1 | 59.6 |
| 32.5° | 87.1 | 87.1 | 86.0 | 83.9 | 81.3 | 77.8 | 74.2 | 70.3 | 65.6 | 61.1 | 56.3 |
| 35°   | 83.4 | 83.2 | 82.4 | 80.0 | 77.6 | 74.4 | 70.8 | 66.7 | 62.2 | 57.6 | 53.1 |
| 37.5° | 78.9 | 78.7 | 77.8 | 75.7 | 73.1 | 70.1 | 66.2 | 62.4 | 58.1 | 53.5 | 49.5 |
| 40°   | 74.0 | 73.5 | 72.5 | 70.8 | 68.6 | 65.2 | 61.7 | 57.8 | 53.8 | 49.7 | 45.6 |
| 42.5° | 68.4 | 68.0 | 67.1 | 65.8 | 63.2 | 60.2 | 57.0 | 53.3 | 49.5 | 45.4 | 42.4 |
| 45°   | 61.3 | 61.3 | 60.9 | 59.6 | 57.6 | 55.3 | 51.8 | 48.6 | 44.9 | 41.3 | 38.1 |
| 47.5° | 52.5 | 52.9 | 52.7 | 52.0 | 51.2 | 49.0 | 46.7 | 43.9 | 40.4 | 37.2 | 34.2 |
| 50°   | 44.7 | 44.9 | 45.2 | 44.7 | 44.1 | 42.6 | 41.1 | 39.4 | 36.3 | 33.3 | 30.5 |
| 52.5° | 35.9 | 36.6 | 36.6 | 36.8 | 36.8 | 36.3 | 35.9 | 34.0 | 32.5 | 29.5 | 26.9 |
| 55°   | 29.5 | 29.5 | 29.5 | 29.9 | 30.1 | 30.3 | 29.9 | 29.5 | 27.7 | 25.6 | 23.2 |
| 57.5° | 24.1 | 24.1 | 24.5 | 24.3 | 24.3 | 24.7 | 24.7 | 24.5 | 23.4 | 21.5 | 19.4 |
| 60°   | 19.8 | 19.8 | 19.8 | 19.8 | 20.0 | 20.0 | 20.0 | 20.0 | 19.1 | 17.4 | 15.7 |
| 62.5° | 15.9 | 15.9 | 15.9 | 16.1 | 16.1 | 16.1 | 16.3 | 16.1 | 15.3 | 14.0 | 12.5 |
| 65°   | 12.7 | 12.5 | 12.7 | 12.7 | 12.9 | 12.9 | 12.9 | 12.7 | 11.8 | 11.0 | 9.9  |
| 67.5° | 9.5  | 9.7  | 9.7  | 9.7  | 9.9  | 10.1 | 9.9  | 9.7  | 9.0  | 8.2  | 7.7  |
| 70°   | 6.9  | 7.1  | 7.1  | 7.1  | 7.3  | 7.5  | 7.3  | 7.1  | 6.7  | 6.2  | 5.8  |
| 72.5° | 4.5  | 4.7  | 4.7  | 4.9  | 5.2  | 5.2  | 4.9  | 4.9  | 4.7  | 4.3  | 4.1  |
| 75°   | 2.8  | 2.8  | 3.0  | 3.0  | 3.2  | 3.2  | 3.2  | 3.0  | 3.0  | 2.8  | 2.8  |
| 77.5° | 1.3  | 1.3  | 1.5  | 1.5  | 1.5  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.5  |
| 80°   | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 0.9  |
| 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°    | 42.6 | 42.6 | 42.6  | 42.6 | 42.6   | 42.6 | 42.6   | 42.6 |
| 2.5°  | 46.2 | 45.6 | 44.7  | 42.6 | 40.4   | 38.7 | 37.6   | 37.4 |
| 5°    | 49.9 | 48.8 | 46.9  | 42.2 | 38.3   | 35.3 | 33.5   | 32.9 |
| 7.5°  | 53.5 | 51.6 | 48.8  | 41.5 | 35.7   | 32.0 | 30.1   | 29.2 |
| 10°   | 56.6 | 54.2 | 50.5  | 40.6 | 33.5   | 29.2 | 26.9   | 26.2 |
| 12.5° | 58.9 | 56.1 | 51.6  | 39.4 | 31.4   | 26.7 | 24.3   | 23.7 |
| 15°   | 60.4 | 57.4 | 52.3  | 37.8 | 29.2   | 24.5 | 22.2   | 21.3 |
| 17.5° | 61.1 | 57.4 | 52.0  | 36.3 | 27.3   | 22.6 | 20.2   | 19.6 |
| 20°   | 61.1 | 57.0 | 51.4  | 34.6 | 25.4   | 20.6 | 18.5   | 17.8 |
| 22.5° | 60.4 | 56.1 | 49.9  | 32.7 | 23.7   | 19.1 | 17.0   | 16.3 |
| 25°   | 59.1 | 54.4 | 48.2  | 31.0 | 21.9   | 17.6 | 15.7   | 15.3 |
| 27.5° | 57.2 | 52.5 | 46.0  | 29.2 | 20.4   | 16.3 | 14.6   | 14.2 |
| 30°   | 54.8 | 50.1 | 43.7  | 27.1 | 18.9   | 15.3 | 13.8   | 13.1 |
| 32.5° | 51.8 | 47.3 | 41.1  | 25.4 | 17.6   | 14.2 | 12.9   | 12.5 |
| 35°   | 48.6 | 44.5 | 38.3  | 23.7 | 16.3   | 13.3 | 12.0   | 11.6 |
| 37.5° | 45.4 | 41.1 | 35.9  | 21.7 | 15.3   | 12.5 | 11.4   | 11.0 |
| 40°   | 41.9 | 38.7 | 33.3  | 20.0 | 14.4   | 11.8 | 10.8   | 10.5 |
| 42.5° | 38.5 | 35.1 | 29.7  | 18.5 | 13.3   | 11.0 | 10.1   | 9.9  |
| 45°   | 34.4 | 31.2 | 26.9  | 16.8 | 12.5   | 10.5 | 9.7    | 9.5  |
| 47.5° | 31.0 | 28.0 | 24.1  | 15.3 | 11.6   | 9.9  | 9.0    | 8.8  |
| 50°   | 27.7 | 24.7 | 21.1  | 13.5 | 10.8   | 9.2  | 8.6    | 8.2  |
| 52.5° | 24.1 | 21.5 | 18.3  | 12.0 | 9.9    | 8.6  | 8.0    | 7.7  |
| 55°   | 20.9 | 18.3 | 15.3  | 10.8 | 9.0    | 8.2  | 7.3    | 7.1  |
| 57.5° | 17.2 | 15.1 | 12.9  | 9.5  | 8.2    | 7.3  | 6.9    | 6.5  |
| 60°   | 14.0 | 12.5 | 11.0  | 8.4  | 7.3    | 6.9  | 6.2    | 6.0  |
| 62.5° | 11.4 | 10.3 | 9.2   | 7.3  | 6.5    | 6.0  | 5.6    | 5.2  |
| 65°   | 9.0  | 8.4  | 7.5   | 6.2  | 5.6    | 5.4  | 4.9    | 4.5  |
| 67.5° | 7.1  | 6.7  | 6.0   | 4.9  | 4.7    | 4.5  | 4.1    | 3.7  |
| 70°   | 5.4  | 5.2  | 4.7   | 3.9  | 3.7    | 3.9  | 3.4    | 3.0  |
| 72.5° | 3.9  | 3.7  | 3.4   | 2.8  | 2.8    | 2.8  | 2.6    | 2.2  |
| 75°   | 2.6  | 2.4  | 2.2   | 1.9  | 1.9    | 1.9  | 1.9    | 1.7  |
| 77.5° | 1.5  | 1.5  | 1.3   | 1.1  | 1.3    | 1.3  | 1.5    | 1.5  |
| 80°   | 0.6  | 0.6  | 0.6   | 0.6  | 0.9    | 0.9  | 1.1    | 1.1  |
| 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)