

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: P1273571

Luminaire Tested: P3A05R709830DE010 E3LSWW1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1273571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R709830DE010 E3LSWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

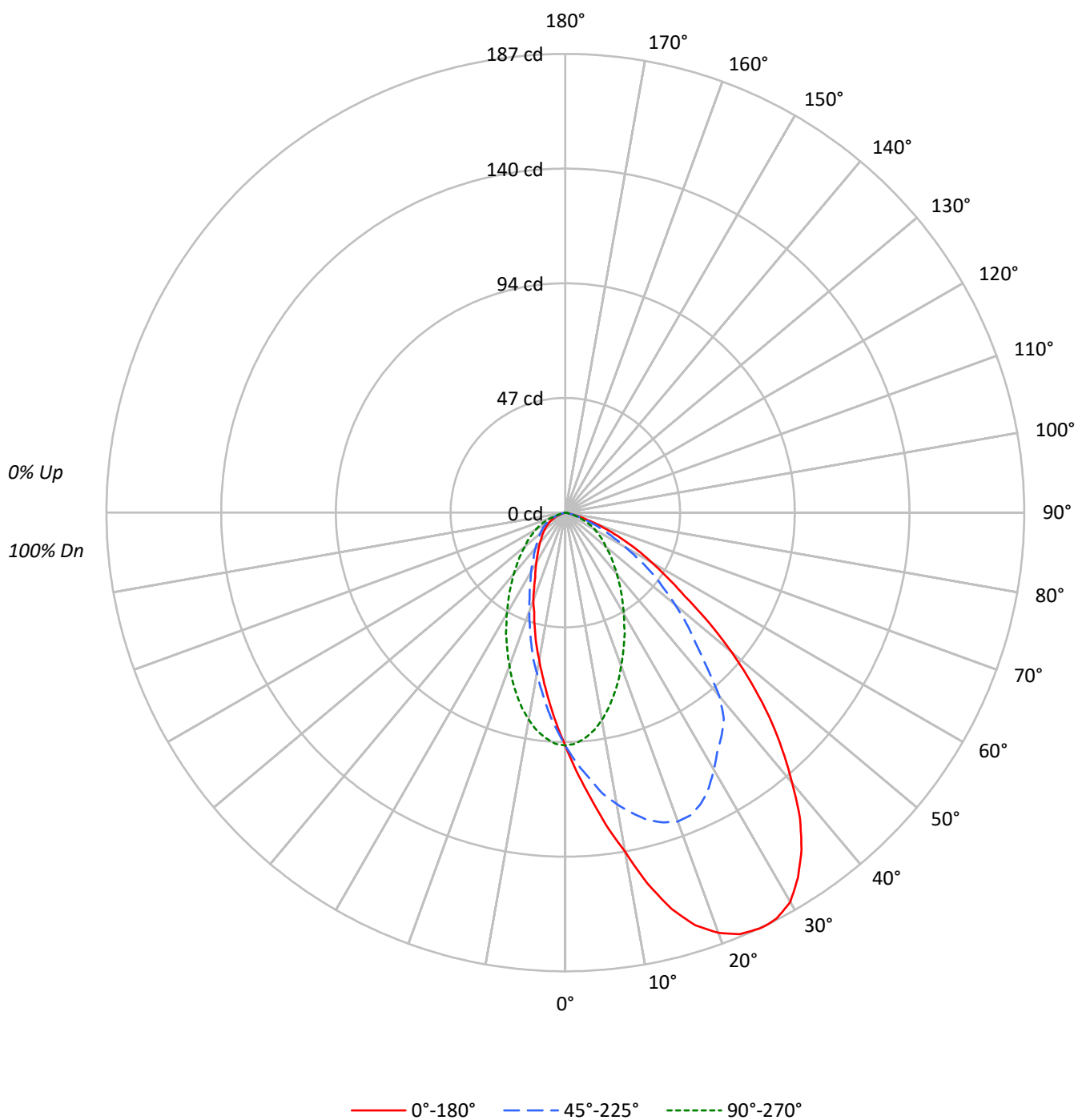
Lumens per Lamp: N/A  
Luminaire Lumens: 189.0 lumens  
Efficiency: N/A  
Efficacy: 26.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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: P1273571

CATALOG NUMBER: P3A05R709830DE010 E3LSWW1H

### 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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 80  | 80  | 78  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 68  |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 55  | 55  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 49  | 49  | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 44  | 44  | 43  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 40  | 40  | 39  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 37  | 37  | 35  |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 34  | 34  | 32  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 20810 | 20810 | 20810 | 20810 | 20810 |
| 5°  | 25600 | 23839 | 20295 | 17808 | 16883 |
| 10° | 31262 | 26853 | 19105 | 14807 | 13605 |
| 15° | 37957 | 29444 | 17412 | 12282 | 10942 |
| 20° | 42540 | 31269 | 15518 | 10011 | 8891  |
| 25° | 45269 | 31647 | 13743 | 8299  | 6992  |
| 30° | 46412 | 30663 | 12078 | 7064  | 5976  |
| 35° | 44919 | 29714 | 10627 | 6023  | 5166  |
| 40° | 41134 | 27938 | 9360  | 5382  | 4609  |
| 45° | 36407 | 23258 | 8311  | 4993  | 4155  |
| 50° | 30157 | 19923 | 7300  | 4571  | 3855  |
| 55° | 22747 | 16592 | 6767  | 4320  | 3479  |
| 60° | 17849 | 12455 | 6096  | 3991  | 3070  |
| 65° | 13335 | 9184  | 5292  | 3321  | 2491  |
| 70° | 8591  | 5834  | 3783  | 2436  | 1346  |
| 75° | 3643  | 3219  | 1779  | 932   | 424   |
| 80° | 631   | 631   | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36407 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.0    | 4.8       |
| 10°-20°   | 25.9   | 13.7      |
| 20°-30°   | 37.9   | 20.0      |
| 30°-40°   | 41.3   | 21.8      |
| 40°-50°   | 35.7   | 18.9      |
| 50°-60°   | 23.9   | 12.7      |
| 60°-70°   | 12.4   | 6.5       |
| 70°-80°   | 2.9    | 1.5       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 72.8   | 38.5      |
| 0°-40°    | 114.1  | 60.3      |
| 0°-60°    | 173.7  | 91.9      |
| 0°-90°    | 189.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 189.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 95  | 95  | 95  | 95   | 95   |      |
| 5°  | 116 | 108 | 92  | 81   | 77   | 12   |
| 15° | 167 | 130 | 77  | 54   | 48   | 47   |
| 25° | 187 | 131 | 57  | 34   | 29   | 86   |
| 35° | 168 | 111 | 40  | 22   | 19   | 104  |
| 45° | 117 | 75  | 27  | 16   | 13   | 90   |
| 55° | 60  | 43  | 18  | 11   | 9    | 55   |
| 65° | 26  | 18  | 10  | 6    | 5    | 26   |
| 75° | 4   | 4   | 2   | 1    | 0    | 6    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°  | 85°  | 90°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0°    | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9 | 94.9 | 94.9 |
| 2.5°  | 105.6 | 105.1 | 105.1 | 104.0 | 102.9 | 101.9 | 100.2 | 98.6  | 97.0 | 95.4 | 94.3 |
| 5°    | 116.3 | 116.9 | 116.3 | 114.2 | 111.5 | 108.3 | 105.1 | 101.3 | 97.6 | 94.3 | 92.2 |
| 7.5°  | 128.7 | 128.7 | 127.0 | 124.4 | 120.6 | 115.3 | 109.9 | 103.5 | 97.6 | 92.2 | 89.5 |
| 10°   | 140.4 | 140.4 | 137.8 | 133.5 | 127.6 | 120.6 | 113.1 | 104.5 | 96.5 | 89.0 | 85.8 |
| 12.5° | 154.9 | 154.4 | 151.2 | 144.2 | 135.6 | 125.4 | 115.3 | 104.5 | 94.9 | 85.8 | 81.5 |
| 15°   | 167.2 | 166.7 | 162.4 | 153.8 | 142.6 | 129.7 | 115.8 | 103.5 | 91.7 | 81.5 | 76.7 |
| 17.5° | 176.4 | 175.3 | 170.5 | 161.4 | 148.5 | 132.4 | 116.3 | 101.3 | 87.9 | 76.7 | 71.8 |
| 20°   | 182.3 | 181.7 | 176.4 | 165.6 | 151.7 | 134.0 | 115.8 | 98.6  | 84.2 | 71.8 | 66.5 |
| 22.5° | 186.0 | 184.9 | 179.6 | 167.8 | 151.7 | 133.5 | 113.6 | 94.9  | 79.3 | 67.0 | 61.6 |
| 25°   | 187.1 | 186.5 | 180.1 | 167.2 | 150.1 | 130.8 | 110.4 | 91.1  | 74.5 | 62.2 | 56.8 |
| 26°   | 187.1 | 186.5 | 180.1 | 166.7 | 149.0 | 129.2 | 108.8 | 89.5  | 72.9 | 60.0 | 55.2 |
| 27.5° | 186.5 | 186.0 | 179.0 | 165.1 | 146.9 | 126.5 | 105.6 | 86.3  | 69.7 | 57.4 | 52.0 |
| 30°   | 183.3 | 182.3 | 175.3 | 161.4 | 142.1 | 121.1 | 100.2 | 81.5  | 64.9 | 52.5 | 47.7 |
| 32.5° | 176.4 | 175.3 | 167.8 | 154.9 | 136.7 | 115.3 | 94.3  | 76.1  | 60.0 | 47.7 | 43.4 |
| 35°   | 167.8 | 166.7 | 159.2 | 146.9 | 129.2 | 111.0 | 87.9  | 70.2  | 54.7 | 44.0 | 39.7 |
| 37.5° | 157.1 | 155.5 | 149.0 | 136.2 | 120.1 | 106.1 | 82.6  | 64.3  | 49.9 | 39.7 | 35.9 |
| 40°   | 143.7 | 143.1 | 137.2 | 125.4 | 109.4 | 97.6  | 79.3  | 64.3  | 45.6 | 35.9 | 32.7 |
| 42.5° | 130.8 | 129.7 | 124.4 | 114.2 | 99.7  | 85.2  | 69.7  | 61.6  | 42.3 | 32.2 | 29.5 |
| 45°   | 117.4 | 116.3 | 111.5 | 102.9 | 89.5  | 75.0  | 75.0  | 53.1  | 36.5 | 29.5 | 26.8 |
| 47.5° | 102.9 | 101.9 | 98.1  | 91.7  | 79.9  | 67.0  | 54.7  | 43.4  | 33.2 | 26.3 | 24.1 |
| 50°   | 88.4  | 89.0  | 85.8  | 79.3  | 70.2  | 58.4  | 47.2  | 36.5  | 28.4 | 23.6 | 21.4 |
| 52.5° | 74.0  | 73.4  | 71.3  | 67.0  | 60.6  | 50.4  | 40.2  | 31.1  | 24.7 | 20.9 | 19.8 |
| 55°   | 59.5  | 60.0  | 59.0  | 56.3  | 50.9  | 43.4  | 33.8  | 26.8  | 22.0 | 18.8 | 17.7 |
| 57.5° | 49.3  | 49.9  | 47.7  | 46.1  | 41.8  | 35.4  | 27.9  | 22.5  | 18.8 | 16.6 | 15.5 |
| 60°   | 40.7  | 41.3  | 39.7  | 37.5  | 34.3  | 28.4  | 22.5  | 18.8  | 16.6 | 15.0 | 13.9 |
| 62.5° | 33.2  | 32.7  | 31.6  | 29.5  | 26.8  | 22.5  | 18.2  | 15.5  | 13.9 | 12.9 | 12.3 |
| 65°   | 25.7  | 25.7  | 24.7  | 23.1  | 20.9  | 17.7  | 14.5  | 12.9  | 11.8 | 10.7 | 10.2 |
| 67.5° | 19.3  | 19.3  | 18.2  | 17.2  | 15.0  | 12.9  | 11.3  | 10.2  | 9.6  | 8.6  | 8.0  |
| 70°   | 13.4  | 13.4  | 12.9  | 12.3  | 10.7  | 9.1   | 8.6   | 7.5   | 7.0  | 6.4  | 5.9  |
| 72.5° | 8.6   | 8.6   | 8.6   | 7.5   | 7.0   | 5.9   | 5.9   | 5.4   | 4.8  | 4.3  | 4.3  |
| 75°   | 4.3   | 4.8   | 4.3   | 4.3   | 3.8   | 3.8   | 3.2   | 3.2   | 2.7  | 2.7  | 2.1  |
| 77.5° | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.1   | 1.1   | 1.1  | 1.1  | 1.1  |
| 80°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.0  | 0.0  | 0.0  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  |
| 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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CATALOG NUMBER: P3A05R709830DE010 E3LSWW1H

**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 2.5°  | 93.3 | 91.7 | 90.6 | 89.0 | 87.9 | 86.8 | 86.3 | 85.8 | 85.8 | 85.8 |
| 5°    | 90.6 | 87.9 | 85.2 | 82.6 | 80.9 | 79.3 | 77.7 | 77.2 | 76.7 | 76.7 |
| 7.5°  | 87.4 | 83.1 | 79.3 | 76.1 | 73.4 | 71.8 | 70.2 | 69.2 | 68.6 | 68.6 |
| 10°   | 83.1 | 77.7 | 73.4 | 69.2 | 66.5 | 64.3 | 63.3 | 61.6 | 61.6 | 61.1 |
| 12.5° | 78.3 | 71.8 | 67.0 | 63.3 | 60.6 | 57.9 | 56.3 | 55.2 | 54.7 | 54.7 |
| 15°   | 72.9 | 66.5 | 61.1 | 56.8 | 54.1 | 51.5 | 49.9 | 48.8 | 48.2 | 48.2 |
| 17.5° | 67.5 | 60.6 | 55.2 | 50.9 | 48.2 | 45.6 | 44.0 | 42.9 | 42.9 | 42.3 |
| 20°   | 62.2 | 55.2 | 49.9 | 45.6 | 42.9 | 40.7 | 39.1 | 38.1 | 37.5 | 38.1 |
| 22.5° | 57.4 | 50.4 | 45.0 | 41.3 | 38.1 | 35.9 | 34.3 | 33.8 | 33.2 | 33.2 |
| 25°   | 52.0 | 45.6 | 40.7 | 37.0 | 34.3 | 32.2 | 30.6 | 30.0 | 29.5 | 28.9 |
| 26°   | 50.4 | 44.0 | 39.1 | 35.4 | 32.7 | 30.6 | 29.5 | 28.4 | 27.9 | 27.9 |
| 27.5° | 48.2 | 41.3 | 37.0 | 33.2 | 30.6 | 28.9 | 27.3 | 26.8 | 26.3 | 26.3 |
| 30°   | 43.4 | 37.5 | 33.2 | 30.0 | 27.9 | 25.7 | 24.7 | 24.1 | 23.6 | 23.6 |
| 32.5° | 39.7 | 33.8 | 30.0 | 27.3 | 25.2 | 23.6 | 22.5 | 21.4 | 21.4 | 21.4 |
| 35°   | 35.9 | 30.6 | 27.3 | 24.7 | 22.5 | 20.9 | 20.4 | 19.8 | 19.3 | 19.3 |
| 37.5° | 32.7 | 27.9 | 24.7 | 22.5 | 20.9 | 19.3 | 18.2 | 17.7 | 17.7 | 17.7 |
| 40°   | 29.5 | 25.7 | 22.5 | 20.4 | 18.8 | 17.7 | 16.6 | 16.1 | 16.1 | 16.1 |
| 42.5° | 26.8 | 23.1 | 20.9 | 18.8 | 17.2 | 16.1 | 15.5 | 15.0 | 14.5 | 14.5 |
| 45°   | 24.7 | 21.4 | 18.8 | 17.2 | 16.1 | 15.0 | 13.9 | 13.4 | 13.4 | 13.4 |
| 47.5° | 22.0 | 19.8 | 17.2 | 15.5 | 14.5 | 13.4 | 12.9 | 12.3 | 12.3 | 12.3 |
| 50°   | 20.4 | 18.2 | 16.1 | 14.5 | 13.4 | 12.3 | 11.8 | 11.3 | 11.3 | 11.3 |
| 52.5° | 18.2 | 16.6 | 15.0 | 13.4 | 12.3 | 11.3 | 10.7 | 10.2 | 10.2 | 10.2 |
| 55°   | 16.6 | 15.0 | 13.4 | 12.3 | 11.3 | 10.2 | 9.6  | 9.1  | 9.1  | 9.1  |
| 57.5° | 15.0 | 13.4 | 12.3 | 11.3 | 10.2 | 9.6  | 8.6  | 8.6  | 8.0  | 8.0  |
| 60°   | 13.4 | 11.8 | 10.7 | 10.2 | 9.1  | 8.6  | 7.5  | 7.0  | 7.0  | 7.0  |
| 62.5° | 11.3 | 10.7 | 9.6  | 8.6  | 7.5  | 7.0  | 6.4  | 5.9  | 5.9  | 5.9  |
| 65°   | 9.6  | 9.1  | 8.0  | 7.0  | 6.4  | 5.9  | 5.4  | 4.8  | 4.8  | 4.8  |
| 67.5° | 8.0  | 7.0  | 6.4  | 5.9  | 5.4  | 4.8  | 4.3  | 3.8  | 3.2  | 3.8  |
| 70°   | 5.9  | 5.4  | 4.8  | 4.3  | 3.8  | 3.2  | 2.7  | 2.7  | 2.1  | 2.1  |
| 72.5° | 3.8  | 3.2  | 3.2  | 2.7  | 2.1  | 2.1  | 1.6  | 1.6  | 1.1  | 1.1  |
| 75°   | 2.1  | 2.1  | 1.6  | 1.6  | 1.1  | 1.1  | 0.5  | 0.5  | 0.5  | 0.5  |
| 77.5° | 1.1  | 0.5  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 80°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 82.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 85°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 87.5° | 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  |

(END OF REPORT)