

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: P1291357

Luminaire Tested: P3A05R70W2N902750DE010 E3LSWW1H\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291357  
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: P3A05R70W2N902750DE010 E3LSWW1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

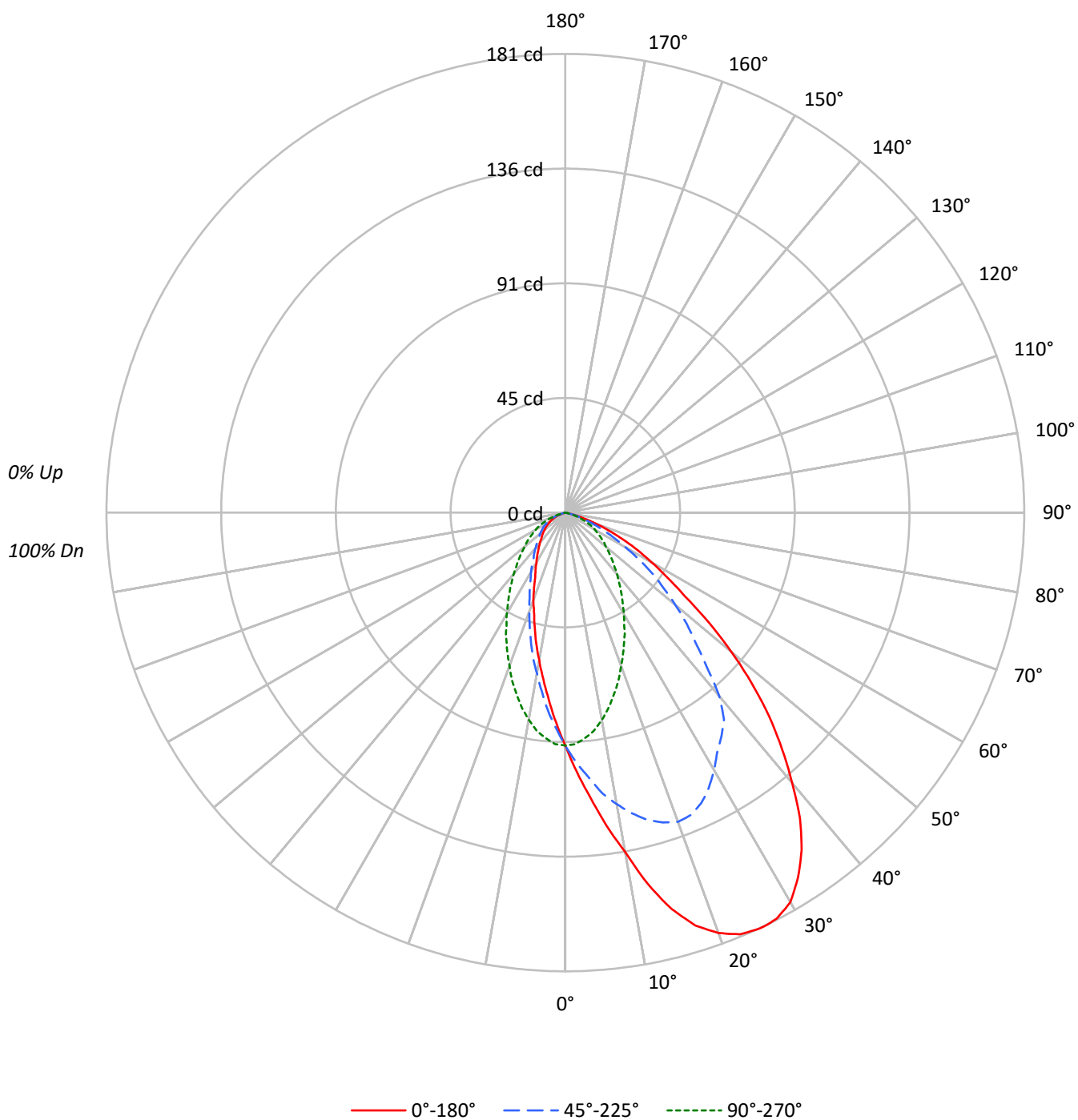
Lumens per Lamp: N/A  
Luminaire Lumens: 183.0 lumens  
Efficiency: N/A  
Efficacy: 31.0 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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: P1291357

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### Luminous Intensity Polar Plot



TEST NUMBER: P1291357

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    | 0  |
| 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   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |    |    |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 78  |    |    |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  |    |    |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 39  |    |    |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 20152 | 20152 | 20152 | 20152 | 20152 |
| 5°  | 24785 | 23068 | 19657 | 17257 | 16333 |
| 10° | 30282 | 26007 | 18481 | 14340 | 13182 |
| 15° | 36754 | 28513 | 16845 | 11896 | 10602 |
| 20° | 41187 | 30289 | 15028 | 9684  | 8611  |
| 25° | 43817 | 30631 | 13307 | 8033  | 6775  |
| 30° | 44944 | 29701 | 11698 | 6836  | 5773  |
| 35° | 43500 | 28750 | 10279 | 5836  | 5006  |
| 40° | 39817 | 27051 | 9074  | 5210  | 4466  |
| 45° | 35259 | 22545 | 8063  | 4838  | 4031  |
| 50° | 29202 | 19309 | 7096  | 4435  | 3718  |
| 55° | 22021 | 16057 | 6537  | 4167  | 3364  |
| 60° | 17279 | 12060 | 5921  | 3859  | 2938  |
| 65° | 12920 | 8873  | 5137  | 3217  | 2439  |
| 70° | 8335  | 5642  | 3654  | 2308  | 1346  |
| 75° | 3558  | 3050  | 1779  | 847   | 424   |
| 80° | 631   | 631   | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35259 cd/sqm

TEST NUMBER: P1291357

CATALOG NUMBER: P3A05R70W2N902750DE010 E3LSWW1H\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.7    | 4.8       |
| 10°-20°   | 25.1   | 13.7      |
| 20°-30°   | 36.7   | 20.0      |
| 30°-40°   | 40.0   | 21.8      |
| 40°-50°   | 34.6   | 18.9      |
| 50°-60°   | 23.2   | 12.7      |
| 60°-70°   | 12.0   | 6.5       |
| 70°-80°   | 2.8    | 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°    | 70.5   | 38.5      |
| 0°-40°    | 110.4  | 60.3      |
| 0°-60°    | 168.2  | 91.9      |
| 0°-90°    | 183.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 183.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 92  | 92  | 92  | 92   | 92   |      |
| 5°  | 113 | 105 | 89  | 78   | 74   | 11   |
| 15° | 162 | 126 | 74  | 52   | 47   | 46   |
| 25° | 181 | 127 | 55  | 33   | 28   | 83   |
| 35° | 162 | 107 | 38  | 22   | 19   | 101  |
| 45° | 114 | 73  | 26  | 16   | 13   | 87   |
| 55° | 58  | 42  | 17  | 11   | 9    | 53   |
| 65° | 25  | 17  | 10  | 6    | 5    | 25   |
| 75° | 4   | 4   | 2   | 1    | 0    | 5    |
| 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°    | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9 | 91.9 | 91.9 |
| 2.5°  | 102.3 | 101.7 | 101.7 | 100.7 | 99.7  | 98.6  | 97.1  | 95.5  | 93.9 | 92.4 | 91.4 |
| 5°    | 112.6 | 113.1 | 112.6 | 110.6 | 108.0 | 104.8 | 101.7 | 98.1  | 94.5 | 91.4 | 89.3 |
| 7.5°  | 124.6 | 124.6 | 123.0 | 120.4 | 116.8 | 111.6 | 106.4 | 100.2 | 94.5 | 89.3 | 86.7 |
| 10°   | 136.0 | 136.0 | 133.4 | 129.2 | 123.5 | 116.8 | 109.5 | 101.2 | 93.4 | 86.2 | 83.0 |
| 12.5° | 150.0 | 149.5 | 146.4 | 139.6 | 131.3 | 121.5 | 111.6 | 101.2 | 91.9 | 83.0 | 78.9 |
| 15°   | 161.9 | 161.4 | 157.3 | 149.0 | 138.1 | 125.6 | 112.1 | 100.2 | 88.8 | 78.9 | 74.2 |
| 17.5° | 170.8 | 169.7 | 165.1 | 156.2 | 143.8 | 128.2 | 112.6 | 98.1  | 85.1 | 74.2 | 69.6 |
| 20°   | 176.5 | 176.0 | 170.8 | 160.4 | 146.9 | 129.8 | 112.1 | 95.5  | 81.5 | 69.6 | 64.4 |
| 22.5° | 180.1 | 179.1 | 173.9 | 162.5 | 146.9 | 129.2 | 110.0 | 91.9  | 76.8 | 64.9 | 59.7 |
| 25°   | 181.1 | 180.6 | 174.4 | 161.9 | 145.3 | 126.6 | 106.9 | 88.2  | 72.1 | 60.2 | 55.0 |
| 26°   | 181.1 | 180.6 | 174.4 | 161.4 | 144.3 | 125.1 | 105.4 | 86.7  | 70.6 | 58.1 | 53.5 |
| 27.5° | 180.6 | 180.1 | 173.4 | 159.9 | 142.2 | 122.5 | 102.3 | 83.6  | 67.5 | 55.5 | 50.3 |
| 30°   | 177.5 | 176.5 | 169.7 | 156.2 | 137.5 | 117.3 | 97.1  | 78.9  | 62.8 | 50.9 | 46.2 |
| 32.5° | 170.8 | 169.7 | 162.5 | 150.0 | 132.4 | 111.6 | 91.4  | 73.7  | 58.1 | 46.2 | 42.0 |
| 35°   | 162.5 | 161.4 | 154.2 | 142.2 | 125.1 | 107.4 | 85.1  | 68.0  | 52.9 | 42.6 | 38.4 |
| 37.5° | 152.1 | 150.5 | 144.3 | 131.8 | 116.3 | 102.8 | 79.9  | 62.3  | 48.3 | 38.4 | 34.8 |
| 40°   | 139.1 | 138.6 | 132.9 | 121.5 | 105.9 | 94.5  | 76.8  | 62.3  | 44.1 | 34.8 | 31.7 |
| 42.5° | 126.6 | 125.6 | 120.4 | 110.6 | 96.5  | 82.5  | 67.5  | 59.7  | 41.0 | 31.1 | 28.5 |
| 45°   | 113.7 | 112.6 | 108.0 | 99.7  | 86.7  | 72.7  | 72.7  | 51.4  | 35.3 | 28.5 | 26.0 |
| 47.5° | 99.7  | 98.6  | 95.0  | 88.8  | 77.3  | 64.9  | 52.9  | 42.0  | 32.2 | 25.4 | 23.4 |
| 50°   | 85.6  | 86.2  | 83.0  | 76.8  | 68.0  | 56.6  | 45.7  | 35.3  | 27.5 | 22.8 | 20.8 |
| 52.5° | 71.6  | 71.1  | 69.0  | 64.9  | 58.7  | 48.8  | 38.9  | 30.1  | 23.9 | 20.2 | 19.2 |
| 55°   | 57.6  | 58.1  | 57.1  | 54.5  | 49.3  | 42.0  | 32.7  | 26.0  | 21.3 | 18.2 | 17.1 |
| 57.5° | 47.8  | 48.3  | 46.2  | 44.6  | 40.5  | 34.3  | 27.0  | 21.8  | 18.2 | 16.1 | 15.1 |
| 60°   | 39.4  | 40.0  | 38.4  | 36.3  | 33.2  | 27.5  | 21.8  | 18.2  | 16.1 | 14.5 | 13.5 |
| 62.5° | 32.2  | 31.7  | 30.6  | 28.5  | 26.0  | 21.8  | 17.6  | 15.1  | 13.5 | 12.5 | 11.9 |
| 65°   | 24.9  | 24.9  | 23.9  | 22.3  | 20.2  | 17.1  | 14.0  | 12.5  | 11.4 | 10.4 | 9.9  |
| 67.5° | 18.7  | 18.7  | 17.6  | 16.6  | 14.5  | 12.5  | 10.9  | 9.9   | 9.3  | 8.3  | 7.8  |
| 70°   | 13.0  | 13.0  | 12.5  | 11.9  | 10.4  | 8.8   | 8.3   | 7.3   | 6.7  | 6.2  | 5.7  |
| 72.5° | 8.3   | 8.3   | 8.3   | 7.3   | 6.7   | 5.7   | 5.7   | 5.2   | 4.7  | 4.2  | 4.2  |
| 75°   | 4.2   | 4.7   | 4.2   | 4.2   | 3.6   | 3.6   | 3.1   | 3.1   | 2.6  | 2.6  | 2.1  |
| 77.5° | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.0   | 1.0   | 1.0  | 1.0  | 1.0  |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 2.5°  | 90.3 | 88.8 | 87.7 | 86.2 | 85.1 | 84.1 | 83.6 | 83.0 | 83.0 | 83.0 |
| 5°    | 87.7 | 85.1 | 82.5 | 79.9 | 78.4 | 76.8 | 75.3 | 74.7 | 74.2 | 74.2 |
| 7.5°  | 84.6 | 80.5 | 76.8 | 73.7 | 71.1 | 69.6 | 68.0 | 67.0 | 66.4 | 66.4 |
| 10°   | 80.5 | 75.3 | 71.1 | 67.0 | 64.4 | 62.3 | 61.2 | 59.7 | 59.7 | 59.2 |
| 12.5° | 75.8 | 69.6 | 64.9 | 61.2 | 58.7 | 56.1 | 54.5 | 53.5 | 52.9 | 52.9 |
| 15°   | 70.6 | 64.4 | 59.2 | 55.0 | 52.4 | 49.8 | 48.3 | 47.2 | 46.7 | 46.7 |
| 17.5° | 65.4 | 58.7 | 53.5 | 49.3 | 46.7 | 44.1 | 42.6 | 41.5 | 41.5 | 41.0 |
| 20°   | 60.2 | 53.5 | 48.3 | 44.1 | 41.5 | 39.4 | 37.9 | 36.9 | 36.3 | 36.9 |
| 22.5° | 55.5 | 48.8 | 43.6 | 40.0 | 36.9 | 34.8 | 33.2 | 32.7 | 32.2 | 32.2 |
| 25°   | 50.3 | 44.1 | 39.4 | 35.8 | 33.2 | 31.1 | 29.6 | 29.1 | 28.5 | 28.0 |
| 26°   | 48.8 | 42.6 | 37.9 | 34.3 | 31.7 | 29.6 | 28.5 | 27.5 | 27.0 | 27.0 |
| 27.5° | 46.7 | 40.0 | 35.8 | 32.2 | 29.6 | 28.0 | 26.5 | 26.0 | 25.4 | 25.4 |
| 30°   | 42.0 | 36.3 | 32.2 | 29.1 | 27.0 | 24.9 | 23.9 | 23.4 | 22.8 | 22.8 |
| 32.5° | 38.4 | 32.7 | 29.1 | 26.5 | 24.4 | 22.8 | 21.8 | 20.8 | 20.8 | 20.8 |
| 35°   | 34.8 | 29.6 | 26.5 | 23.9 | 21.8 | 20.2 | 19.7 | 19.2 | 18.7 | 18.7 |
| 37.5° | 31.7 | 27.0 | 23.9 | 21.8 | 20.2 | 18.7 | 17.6 | 17.1 | 17.1 | 17.1 |
| 40°   | 28.5 | 24.9 | 21.8 | 19.7 | 18.2 | 17.1 | 16.1 | 15.6 | 15.6 | 15.6 |
| 42.5° | 26.0 | 22.3 | 20.2 | 18.2 | 16.6 | 15.6 | 15.1 | 14.5 | 14.0 | 14.0 |
| 45°   | 23.9 | 20.8 | 18.2 | 16.6 | 15.6 | 14.5 | 13.5 | 13.0 | 13.0 | 13.0 |
| 47.5° | 21.3 | 19.2 | 16.6 | 15.1 | 14.0 | 13.0 | 12.5 | 11.9 | 11.9 | 11.9 |
| 50°   | 19.7 | 17.6 | 15.6 | 14.0 | 13.0 | 11.9 | 11.4 | 10.9 | 10.9 | 10.9 |
| 52.5° | 17.6 | 16.1 | 14.5 | 13.0 | 11.9 | 10.9 | 10.4 | 9.9  | 9.9  | 9.9  |
| 55°   | 16.1 | 14.5 | 13.0 | 11.9 | 10.9 | 9.9  | 9.3  | 8.8  | 8.8  | 8.8  |
| 57.5° | 14.5 | 13.0 | 11.9 | 10.9 | 9.9  | 9.3  | 8.3  | 8.3  | 7.8  | 7.8  |
| 60°   | 13.0 | 11.4 | 10.4 | 9.9  | 8.8  | 8.3  | 7.3  | 6.7  | 6.7  | 6.7  |
| 62.5° | 10.9 | 10.4 | 9.3  | 8.3  | 7.3  | 6.7  | 6.2  | 5.7  | 5.7  | 5.7  |
| 65°   | 9.3  | 8.8  | 7.8  | 6.7  | 6.2  | 5.7  | 5.2  | 4.7  | 4.7  | 4.7  |
| 67.5° | 7.8  | 6.7  | 6.2  | 5.7  | 5.2  | 4.7  | 4.2  | 3.6  | 3.1  | 3.6  |
| 70°   | 5.7  | 5.2  | 4.7  | 4.2  | 3.6  | 3.1  | 2.6  | 2.6  | 2.1  | 2.1  |
| 72.5° | 3.6  | 3.1  | 3.1  | 2.6  | 2.1  | 2.1  | 1.6  | 1.6  | 1.0  | 1.0  |
| 75°   | 2.1  | 2.1  | 1.6  | 1.6  | 1.0  | 1.0  | 0.5  | 0.5  | 0.5  | 0.5  |
| 77.5° | 1.0  | 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)