

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: P#

Luminaire Tested: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

Issue Date: 5/8/2026

**Test Information**

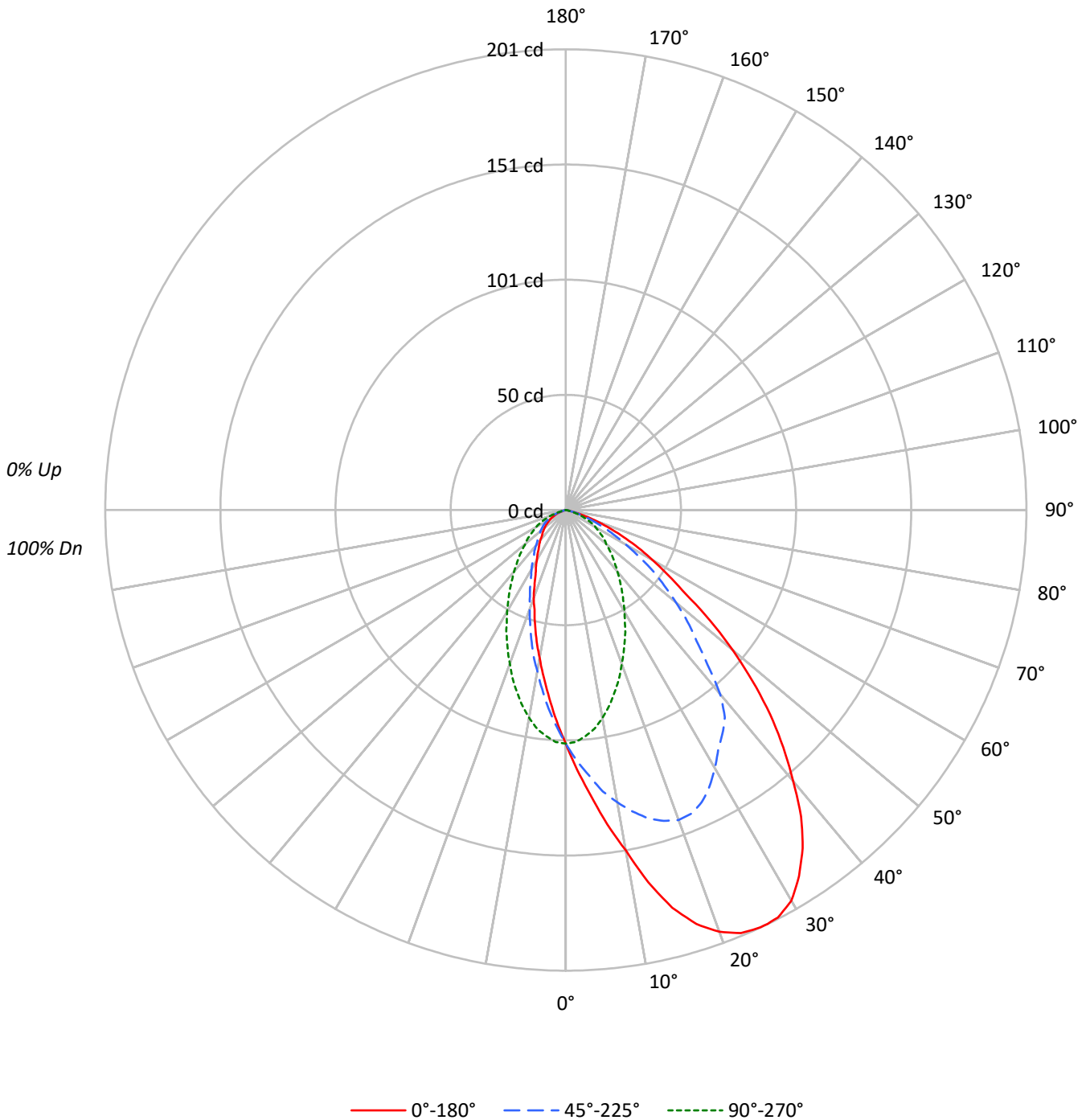
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3LSWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 203.0 lumens  
Efficiency: N/A  
Efficacy: 34.4 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: P#  
CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

**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 | 0   |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    | 100 |   |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |    |    | 89  |   |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 78  |    |    | 78  |   |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 68  |    |    | 68  |   |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    | 60  |   |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    | 53  |   |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    | 47  |   |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  |    |    | 43  |   |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 39  |    |    | 39  |   |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    | 35  |   |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    | 32  |   |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 22345 | 22345 | 22345 | 22345 | 22345 |
| 5°  | 27493 | 25600 | 21792 | 19128 | 18116 |
| 10° | 33578 | 28835 | 20507 | 15898 | 14607 |
| 15° | 40772 | 31623 | 18683 | 13212 | 11759 |
| 20° | 45691 | 33580 | 16661 | 10758 | 9544  |
| 25° | 48608 | 33994 | 14759 | 8904  | 7525  |
| 30° | 49856 | 32942 | 12964 | 7571  | 6406  |
| 35° | 48238 | 31909 | 11404 | 6478  | 5541  |
| 40° | 44168 | 29999 | 10047 | 5782  | 4952  |
| 45° | 39105 | 24995 | 8931  | 5365  | 4466  |
| 50° | 32408 | 21424 | 7846  | 4912  | 4128  |
| 55° | 24429 | 17815 | 7264  | 4626  | 3747  |
| 60° | 19209 | 13376 | 6578  | 4298  | 3289  |
| 65° | 14321 | 9858  | 5656  | 3580  | 2698  |
| 70° | 9232  | 6283  | 4039  | 2565  | 1475  |
| 75° | 3897  | 3389  | 1949  | 1017  | 508   |
| 80° | 758   | 758   | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39105 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.7    | 4.8       |
| 10°-20°   | 27.8   | 13.7      |
| 20°-30°   | 40.7   | 20.0      |
| 30°-40°   | 44.3   | 21.8      |
| 40°-50°   | 38.4   | 18.9      |
| 50°-60°   | 25.7   | 12.7      |
| 60°-70°   | 13.3   | 6.5       |
| 70°-80°   | 3.1    | 1.6       |
| 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°    | 78.2   | 38.5      |
| 0°-40°    | 122.5  | 60.3      |
| 0°-60°    | 186.6  | 91.9      |
| 0°-90°    | 203.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 203.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 102 | 102 | 102 | 102  | 102  |      |
| 5°  | 125 | 116 | 99  | 87   | 82   | 13   |
| 15° | 180 | 139 | 82  | 58   | 52   | 51   |
| 25° | 201 | 140 | 61  | 37   | 31   | 92   |
| 35° | 180 | 119 | 43  | 24   | 21   | 112  |
| 45° | 126 | 81  | 29  | 17   | 14   | 97   |
| 55° | 64  | 47  | 19  | 12   | 10   | 59   |
| 65° | 28  | 19  | 11  | 7    | 5    | 28   |
| 75° | 5   | 4   | 2   | 1    | 1    | 6    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    | 0    |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 |
| 2.5°  | 113.4 | 112.8 | 112.8 | 111.7 | 110.5 | 109.4 | 107.7 | 105.9 | 104.2 | 102.5 | 101.3 |
| 5°    | 124.9 | 125.5 | 124.9 | 122.6 | 119.8 | 116.3 | 112.8 | 108.8 | 104.8 | 101.3 | 99.0  |
| 7.5°  | 138.2 | 138.2 | 136.5 | 133.6 | 129.5 | 123.8 | 118.0 | 111.1 | 104.8 | 99.0  | 96.2  |
| 10°   | 150.8 | 150.8 | 148.0 | 143.4 | 137.0 | 129.5 | 121.5 | 112.3 | 103.6 | 95.6  | 92.1  |
| 12.5° | 166.4 | 165.8 | 162.4 | 154.9 | 145.7 | 134.7 | 123.8 | 112.3 | 101.9 | 92.1  | 87.5  |
| 15°   | 179.6 | 179.1 | 174.5 | 165.2 | 153.2 | 139.3 | 124.4 | 111.1 | 98.5  | 87.5  | 82.3  |
| 17.5° | 189.4 | 188.3 | 183.1 | 173.3 | 159.5 | 142.2 | 124.9 | 108.8 | 94.4  | 82.3  | 77.2  |
| 20°   | 195.8 | 195.2 | 189.4 | 177.9 | 162.9 | 143.9 | 124.4 | 105.9 | 90.4  | 77.2  | 71.4  |
| 22.5° | 199.8 | 198.6 | 192.9 | 180.2 | 162.9 | 143.4 | 122.1 | 101.9 | 85.2  | 72.0  | 66.2  |
| 25°   | 200.9 | 200.4 | 193.5 | 179.6 | 161.2 | 140.5 | 118.6 | 97.9  | 80.0  | 66.8  | 61.0  |
| 26°   | 200.9 | 200.4 | 193.5 | 179.1 | 160.1 | 138.8 | 116.9 | 96.2  | 78.3  | 64.5  | 59.3  |
| 27.5° | 200.4 | 199.8 | 192.3 | 177.3 | 157.8 | 135.9 | 113.4 | 92.7  | 74.8  | 61.6  | 55.8  |
| 30°   | 196.9 | 195.8 | 188.3 | 173.3 | 152.6 | 130.1 | 107.7 | 87.5  | 69.7  | 56.4  | 51.2  |
| 32.5° | 189.4 | 188.3 | 180.2 | 166.4 | 146.8 | 123.8 | 101.3 | 81.8  | 64.5  | 51.2  | 46.6  |
| 35°   | 180.2 | 179.1 | 171.0 | 157.8 | 138.8 | 119.2 | 94.4  | 75.4  | 58.7  | 47.2  | 42.6  |
| 37.5° | 168.7 | 167.0 | 160.1 | 146.2 | 129.0 | 114.0 | 88.7  | 69.1  | 53.5  | 42.6  | 38.6  |
| 40°   | 154.3 | 153.7 | 147.4 | 134.7 | 117.5 | 104.8 | 85.2  | 69.1  | 48.9  | 38.6  | 35.1  |
| 42.5° | 140.5 | 139.3 | 133.6 | 122.6 | 107.1 | 91.5  | 74.8  | 66.2  | 45.5  | 34.5  | 31.7  |
| 45°   | 126.1 | 124.9 | 119.8 | 110.5 | 96.2  | 80.6  | 80.6  | 57.0  | 39.2  | 31.7  | 28.8  |
| 47.5° | 110.5 | 109.4 | 105.4 | 98.5  | 85.8  | 72.0  | 58.7  | 46.6  | 35.7  | 28.2  | 25.9  |
| 50°   | 95.0  | 95.6  | 92.1  | 85.2  | 75.4  | 62.8  | 50.7  | 39.2  | 30.5  | 25.3  | 23.0  |
| 52.5° | 79.5  | 78.9  | 76.6  | 72.0  | 65.1  | 54.1  | 43.2  | 33.4  | 26.5  | 22.5  | 21.3  |
| 55°   | 63.9  | 64.5  | 63.3  | 60.5  | 54.7  | 46.6  | 36.3  | 28.8  | 23.6  | 20.2  | 19.0  |
| 57.5° | 53.0  | 53.5  | 51.2  | 49.5  | 44.9  | 38.0  | 29.9  | 24.2  | 20.2  | 17.8  | 16.7  |
| 60°   | 43.8  | 44.3  | 42.6  | 40.3  | 36.8  | 30.5  | 24.2  | 20.2  | 17.8  | 16.1  | 15.0  |
| 62.5° | 35.7  | 35.1  | 34.0  | 31.7  | 28.8  | 24.2  | 19.6  | 16.7  | 15.0  | 13.8  | 13.2  |
| 65°   | 27.6  | 27.6  | 26.5  | 24.8  | 22.5  | 19.0  | 15.5  | 13.8  | 12.7  | 11.5  | 10.9  |
| 67.5° | 20.7  | 20.7  | 19.6  | 18.4  | 16.1  | 13.8  | 12.1  | 10.9  | 10.4  | 9.2   | 8.6   |
| 70°   | 14.4  | 14.4  | 13.8  | 13.2  | 11.5  | 9.8   | 9.2   | 8.1   | 7.5   | 6.9   | 6.3   |
| 72.5° | 9.2   | 9.2   | 9.2   | 8.1   | 7.5   | 6.3   | 6.3   | 5.8   | 5.2   | 4.6   | 4.6   |
| 75°   | 4.6   | 5.2   | 4.6   | 4.6   | 4.0   | 4.0   | 3.5   | 3.5   | 2.9   | 2.9   | 2.3   |
| 77.5° | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 80°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 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   |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LSWW1WH\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 |
| 2.5°  | 100.2 | 98.5  | 97.3  | 95.6  | 94.4  | 93.3  | 92.7  | 92.1  | 92.1  | 92.1  |
| 5°    | 97.3  | 94.4  | 91.5  | 88.7  | 86.9  | 85.2  | 83.5  | 82.9  | 82.3  | 82.3  |
| 7.5°  | 93.8  | 89.2  | 85.2  | 81.8  | 78.9  | 77.2  | 75.4  | 74.3  | 73.7  | 73.7  |
| 10°   | 89.2  | 83.5  | 78.9  | 74.3  | 71.4  | 69.1  | 67.9  | 66.2  | 66.2  | 65.6  |
| 12.5° | 84.1  | 77.2  | 72.0  | 67.9  | 65.1  | 62.2  | 60.5  | 59.3  | 58.7  | 58.7  |
| 15°   | 78.3  | 71.4  | 65.6  | 61.0  | 58.2  | 55.3  | 53.5  | 52.4  | 51.8  | 51.8  |
| 17.5° | 72.5  | 65.1  | 59.3  | 54.7  | 51.8  | 48.9  | 47.2  | 46.1  | 46.1  | 45.5  |
| 20°   | 66.8  | 59.3  | 53.5  | 48.9  | 46.1  | 43.8  | 42.0  | 40.9  | 40.3  | 40.9  |
| 22.5° | 61.6  | 54.1  | 48.4  | 44.3  | 40.9  | 38.6  | 36.8  | 36.3  | 35.7  | 35.7  |
| 25°   | 55.8  | 48.9  | 43.8  | 39.7  | 36.8  | 34.5  | 32.8  | 32.2  | 31.7  | 31.1  |
| 26°   | 54.1  | 47.2  | 42.0  | 38.0  | 35.1  | 32.8  | 31.7  | 30.5  | 29.9  | 29.9  |
| 27.5° | 51.8  | 44.3  | 39.7  | 35.7  | 32.8  | 31.1  | 29.4  | 28.8  | 28.2  | 28.2  |
| 30°   | 46.6  | 40.3  | 35.7  | 32.2  | 29.9  | 27.6  | 26.5  | 25.9  | 25.3  | 25.3  |
| 32.5° | 42.6  | 36.3  | 32.2  | 29.4  | 27.1  | 25.3  | 24.2  | 23.0  | 23.0  | 23.0  |
| 35°   | 38.6  | 32.8  | 29.4  | 26.5  | 24.2  | 22.5  | 21.9  | 21.3  | 20.7  | 20.7  |
| 37.5° | 35.1  | 29.9  | 26.5  | 24.2  | 22.5  | 20.7  | 19.6  | 19.0  | 19.0  | 19.0  |
| 40°   | 31.7  | 27.6  | 24.2  | 21.9  | 20.2  | 19.0  | 17.8  | 17.3  | 17.3  | 17.3  |
| 42.5° | 28.8  | 24.8  | 22.5  | 20.2  | 18.4  | 17.3  | 16.7  | 16.1  | 15.5  | 15.5  |
| 45°   | 26.5  | 23.0  | 20.2  | 18.4  | 17.3  | 16.1  | 15.0  | 14.4  | 14.4  | 14.4  |
| 47.5° | 23.6  | 21.3  | 18.4  | 16.7  | 15.5  | 14.4  | 13.8  | 13.2  | 13.2  | 13.2  |
| 50°   | 21.9  | 19.6  | 17.3  | 15.5  | 14.4  | 13.2  | 12.7  | 12.1  | 12.1  | 12.1  |
| 52.5° | 19.6  | 17.8  | 16.1  | 14.4  | 13.2  | 12.1  | 11.5  | 10.9  | 10.9  | 10.9  |
| 55°   | 17.8  | 16.1  | 14.4  | 13.2  | 12.1  | 10.9  | 10.4  | 9.8   | 9.8   | 9.8   |
| 57.5° | 16.1  | 14.4  | 13.2  | 12.1  | 10.9  | 10.4  | 9.2   | 9.2   | 8.6   | 8.6   |
| 60°   | 14.4  | 12.7  | 11.5  | 10.9  | 9.8   | 9.2   | 8.1   | 7.5   | 7.5   | 7.5   |
| 62.5° | 12.1  | 11.5  | 10.4  | 9.2   | 8.1   | 7.5   | 6.9   | 6.3   | 6.3   | 6.3   |
| 65°   | 10.4  | 9.8   | 8.6   | 7.5   | 6.9   | 6.3   | 5.8   | 5.2   | 5.2   | 5.2   |
| 67.5° | 8.6   | 7.5   | 6.9   | 6.3   | 5.8   | 5.2   | 4.6   | 4.0   | 3.5   | 4.0   |
| 70°   | 6.3   | 5.8   | 5.2   | 4.6   | 4.0   | 3.5   | 2.9   | 2.9   | 2.3   | 2.3   |
| 72.5° | 4.0   | 3.5   | 3.5   | 2.9   | 2.3   | 2.3   | 1.7   | 1.7   | 1.2   | 1.2   |
| 75°   | 2.3   | 2.3   | 1.7   | 1.7   | 1.2   | 1.2   | 0.6   | 0.6   | 0.6   | 0.6   |
| 77.5° | 1.2   | 0.6   | 0.6   | 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)