

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: P3ART05R709835DE010 E3LCWW1LI

Issue Date: 5/8/2026

**Test Information**

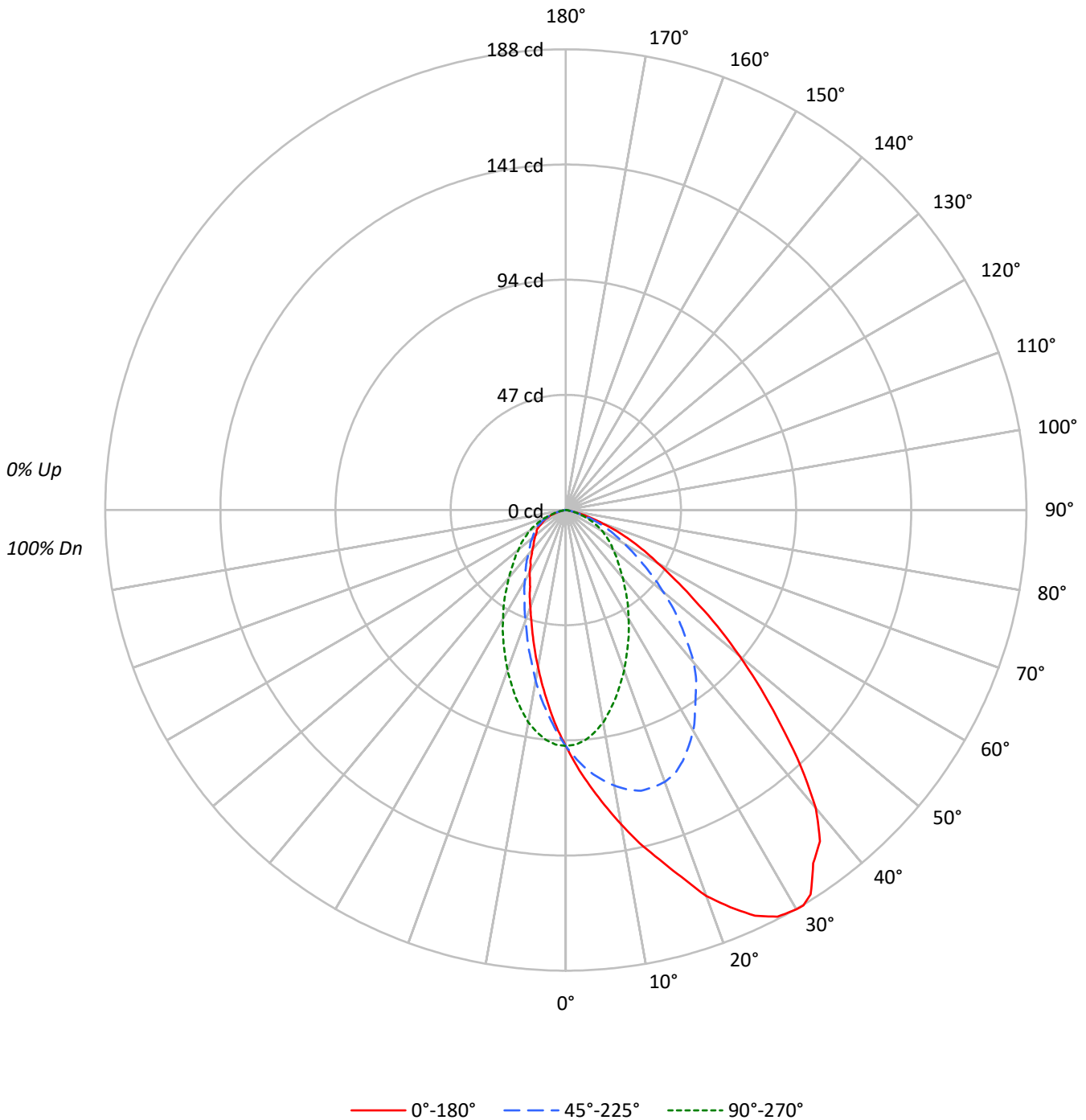
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709835DE010 E3LCWW1LI  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 196.0 lumens  
Efficiency: N/A  
Efficacy: 27.2 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
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: P#  
CATALOG NUMBER: P3ART05R709835DE010 E3LCWW1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R709835DE010 E3LCWW1LI

**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 |    | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    | 88  |
| 2   | 102 | 95  | 90  | 85  | 100 | 93  | 88  | 84  | 90  | 86  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |    | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 84  | 77  | 72  | 81  | 75  | 71  | 78  | 73  | 69  | 76  | 72  | 68  | 66  |    | 66  |
| 4   | 87  | 77  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 58  |    | 58  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 61  | 55  | 66  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 51  |    | 51  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 46  |    | 46  |
| 7   | 70  | 57  | 49  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 52  | 47  | 43  | 41  |    | 41  |
| 8   | 65  | 53  | 45  | 39  | 64  | 52  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 39  | 48  | 43  | 39  | 37  |    | 37  |
| 9   | 61  | 49  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 35  | 45  | 39  | 35  | 34  |    | 34  |
| 10  | 57  | 45  | 38  | 33  | 56  | 45  | 37  | 33  | 44  | 37  | 33  | 43  | 37  | 32  | 42  | 36  | 32  | 31  |    | 31  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 21117 | 21117 | 21117 | 21117 | 21117 |
| 5°  | 24873 | 23531 | 20713 | 18380 | 17653 |
| 10° | 29013 | 25428 | 19594 | 15742 | 14518 |
| 15° | 33508 | 26924 | 17957 | 13280 | 11873 |
| 20° | 39110 | 27559 | 16241 | 11178 | 9871  |
| 25° | 44204 | 27340 | 14541 | 9557  | 8347  |
| 30° | 47653 | 26358 | 12964 | 8457  | 7470  |
| 35° | 47114 | 24735 | 11618 | 7602  | 6719  |
| 40° | 45428 | 23272 | 10362 | 6841  | 6069  |
| 45° | 38516 | 20560 | 9334  | 6388  | 5706  |
| 50° | 31521 | 17671 | 8563  | 6072  | 5492  |
| 55° | 24467 | 14680 | 8105  | 5964  | 5543  |
| 60° | 19034 | 12192 | 7587  | 5877  | 5131  |
| 65° | 15047 | 10118 | 6641  | 5500  | 4929  |
| 70° | 10322 | 7501  | 5386  | 4616  | 4296  |
| 75° | 5168  | 4236  | 3813  | 3304  | 2796  |
| 80° | 758   | 1389  | 2147  | 1389  | 758   |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38516 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.0    | 4.6       |
| 10°-20°   | 25.1   | 12.8      |
| 20°-30°   | 37.0   | 18.9      |
| 30°-40°   | 41.5   | 21.2      |
| 40°-50°   | 36.5   | 18.6      |
| 50°-60°   | 26.1   | 13.3      |
| 60°-70°   | 15.5   | 7.9       |
| 70°-80°   | 5.2    | 2.6       |
| 80°-90°   | 0.3    | 0.1       |
| 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°    | 71.1   | 36.3      |
| 0°-40°    | 112.6  | 57.4      |
| 0°-60°    | 175.1  | 89.3      |
| 0°-90°    | 196.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 196.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 96  | 96  | 96  | 96   | 96   |      |
| 5°  | 113 | 107 | 94  | 84   | 80   | 11   |
| 15° | 148 | 119 | 79  | 58   | 52   | 43   |
| 25° | 183 | 113 | 60  | 40   | 34   | 84   |
| 35° | 176 | 92  | 43  | 28   | 25   | 111  |
| 45° | 124 | 66  | 30  | 21   | 18   | 96   |
| 55° | 64  | 38  | 21  | 16   | 14   | 59   |
| 65° | 29  | 20  | 13  | 11   | 10   | 29   |
| 75° | 6   | 5   | 4   | 4    | 3    | 7    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R709835DE010 E3LCWW1LI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°  | 85°  | 90°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0°    | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3 | 96.3 | 96.3 |
| 2.5°  | 104.7 | 104.7 | 104.7 | 103.6 | 103.6 | 101.9 | 100.8 | 99.1  | 98.0 | 96.3 | 95.8 |
| 5°    | 113.0 | 113.0 | 111.9 | 110.8 | 109.2 | 106.9 | 104.1 | 101.4 | 98.0 | 95.2 | 94.1 |
| 7.5°  | 121.4 | 122.0 | 120.3 | 118.1 | 114.7 | 110.8 | 106.9 | 102.5 | 97.5 | 93.6 | 91.3 |
| 10°   | 130.3 | 130.3 | 128.1 | 124.7 | 119.7 | 114.2 | 108.0 | 101.9 | 95.8 | 90.2 | 88.0 |
| 12.5° | 139.2 | 138.7 | 135.9 | 130.9 | 124.7 | 116.9 | 108.6 | 100.8 | 93.6 | 86.9 | 83.5 |
| 15°   | 147.6 | 147.6 | 143.7 | 137.6 | 128.6 | 118.6 | 108.6 | 98.6  | 90.2 | 82.4 | 79.1 |
| 17.5° | 157.0 | 157.0 | 152.0 | 142.6 | 131.4 | 118.6 | 106.9 | 95.8  | 86.3 | 78.0 | 74.1 |
| 20°   | 167.6 | 167.1 | 159.8 | 147.0 | 132.5 | 118.1 | 104.7 | 92.4  | 81.9 | 73.0 | 69.6 |
| 22.5° | 175.4 | 174.9 | 166.5 | 150.9 | 133.1 | 116.4 | 100.8 | 88.0  | 77.4 | 68.5 | 64.6 |
| 25°   | 182.7 | 181.5 | 172.1 | 152.6 | 132.0 | 113.0 | 96.9  | 83.0  | 73.0 | 64.0 | 60.1 |
| 27.5° | 187.1 | 186.6 | 176.0 | 152.0 | 129.2 | 108.6 | 91.9  | 78.5  | 67.9 | 59.0 | 55.7 |
| 30°   | 188.2 | 188.8 | 176.0 | 149.2 | 124.7 | 104.1 | 86.9  | 73.5  | 62.9 | 55.1 | 51.2 |
| 31°   | 188.2 | 188.8 | 174.9 | 147.6 | 123.1 | 101.9 | 84.6  | 71.8  | 60.7 | 52.9 | 49.6 |
| 32.5° | 186.0 | 184.9 | 173.2 | 144.8 | 119.2 | 98.0  | 81.9  | 69.1  | 57.9 | 50.1 | 47.3 |
| 35°   | 176.0 | 176.5 | 167.6 | 138.7 | 113.6 | 92.4  | 76.3  | 63.5  | 52.9 | 46.2 | 43.4 |
| 37.5° | 170.4 | 170.4 | 154.3 | 130.3 | 107.5 | 87.4  | 69.6  | 57.4  | 48.4 | 42.3 | 39.5 |
| 40°   | 158.7 | 157.0 | 142.0 | 121.4 | 100.2 | 81.3  | 65.7  | 53.5  | 44.6 | 38.4 | 36.2 |
| 42.5° | 142.0 | 140.3 | 128.6 | 113.6 | 90.8  | 73.5  | 62.4  | 47.3  | 40.1 | 35.1 | 32.9 |
| 45°   | 124.2 | 123.1 | 114.2 | 100.2 | 81.9  | 66.3  | 54.0  | 43.4  | 36.8 | 31.7 | 30.1 |
| 47.5° | 108.0 | 106.4 | 99.7  | 89.1  | 74.1  | 59.6  | 46.8  | 39.0  | 32.9 | 29.0 | 27.8 |
| 50°   | 92.4  | 91.9  | 86.3  | 78.0  | 65.7  | 51.8  | 41.2  | 34.5  | 30.1 | 26.7 | 25.1 |
| 52.5° | 78.0  | 76.9  | 74.1  | 67.4  | 57.4  | 45.1  | 36.2  | 30.6  | 26.7 | 24.5 | 23.4 |
| 55°   | 64.0  | 64.0  | 61.3  | 56.8  | 49.0  | 38.4  | 31.7  | 27.3  | 23.9 | 22.3 | 21.2 |
| 57.5° | 52.9  | 52.9  | 50.7  | 47.9  | 40.7  | 32.9  | 27.8  | 23.9  | 21.7 | 20.0 | 18.9 |
| 60°   | 43.4  | 43.4  | 41.8  | 39.0  | 34.0  | 27.8  | 23.9  | 21.2  | 19.5 | 17.8 | 17.3 |
| 62.5° | 36.2  | 35.6  | 34.5  | 31.7  | 27.8  | 23.4  | 20.6  | 18.4  | 16.7 | 15.6 | 15.0 |
| 65°   | 29.0  | 28.4  | 27.3  | 25.1  | 22.3  | 19.5  | 17.3  | 15.6  | 14.5 | 13.4 | 12.8 |
| 67.5° | 22.3  | 22.3  | 21.2  | 19.5  | 17.3  | 15.6  | 13.9  | 12.8  | 11.7 | 11.1 | 10.6 |
| 70°   | 16.1  | 16.1  | 15.6  | 14.5  | 12.8  | 11.7  | 10.6  | 10.0  | 9.5  | 8.9  | 8.4  |
| 72.5° | 11.1  | 11.1  | 10.6  | 10.0  | 8.9   | 8.4   | 7.2   | 7.2   | 6.7  | 6.7  | 6.1  |
| 75°   | 6.1   | 6.1   | 6.1   | 5.6   | 5.6   | 5.0   | 5.0   | 5.0   | 4.5  | 4.5  | 4.5  |
| 77.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8  | 2.8  | 2.8  |
| 80°   | 0.6   | 0.6   | 0.6   | 0.6   | 1.1   | 1.1   | 1.1   | 1.1   | 1.7  | 1.7  | 1.7  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6  | 0.6  | 0.6  |
| 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#  
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**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 2.5°  | 95.2 | 93.6 | 92.4 | 91.9 | 90.2 | 89.7 | 89.1 | 88.5 | 88.5 | 88.5 |
| 5°    | 93.0 | 90.2 | 87.4 | 85.8 | 83.5 | 82.4 | 81.3 | 80.7 | 80.2 | 80.2 |
| 7.5°  | 89.1 | 85.8 | 82.4 | 79.6 | 77.4 | 75.2 | 74.1 | 73.0 | 73.0 | 72.4 |
| 10°   | 85.2 | 80.7 | 76.9 | 73.0 | 70.7 | 67.9 | 66.8 | 65.7 | 65.2 | 65.2 |
| 12.5° | 80.7 | 75.2 | 70.7 | 67.4 | 64.0 | 61.8 | 60.1 | 59.0 | 58.5 | 58.5 |
| 15°   | 75.7 | 70.2 | 65.2 | 61.8 | 58.5 | 55.7 | 54.0 | 52.9 | 52.3 | 52.3 |
| 17.5° | 70.7 | 65.2 | 59.6 | 56.2 | 52.9 | 50.1 | 49.0 | 47.9 | 47.3 | 46.8 |
| 20°   | 66.3 | 59.6 | 55.1 | 50.7 | 47.9 | 45.7 | 44.0 | 42.9 | 42.3 | 42.3 |
| 22.5° | 61.3 | 55.1 | 50.1 | 46.8 | 44.0 | 41.8 | 39.5 | 39.0 | 38.4 | 38.4 |
| 25°   | 56.2 | 50.7 | 46.2 | 42.9 | 39.5 | 37.9 | 36.2 | 35.1 | 35.1 | 34.5 |
| 27.5° | 52.3 | 46.8 | 42.3 | 39.0 | 36.8 | 34.5 | 33.4 | 32.3 | 31.7 | 31.7 |
| 30°   | 47.9 | 42.9 | 39.0 | 36.2 | 33.4 | 31.7 | 30.6 | 29.5 | 29.5 | 29.5 |
| 31°   | 46.8 | 41.8 | 37.9 | 34.5 | 32.3 | 30.6 | 29.5 | 29.0 | 28.4 | 28.4 |
| 32.5° | 44.0 | 39.5 | 35.6 | 32.9 | 30.6 | 29.0 | 27.8 | 27.3 | 27.3 | 26.7 |
| 35°   | 40.7 | 36.2 | 32.9 | 30.1 | 28.4 | 26.7 | 25.6 | 25.1 | 25.1 | 25.1 |
| 37.5° | 37.3 | 33.4 | 30.1 | 27.8 | 26.2 | 24.5 | 23.9 | 22.8 | 22.8 | 22.8 |
| 40°   | 34.0 | 30.6 | 27.8 | 25.6 | 23.9 | 22.8 | 22.3 | 21.7 | 21.2 | 21.2 |
| 42.5° | 31.2 | 27.8 | 25.6 | 23.9 | 22.3 | 21.2 | 20.6 | 20.0 | 20.0 | 19.5 |
| 45°   | 28.4 | 25.6 | 23.9 | 22.3 | 20.6 | 20.0 | 19.5 | 18.9 | 18.4 | 18.4 |
| 47.5° | 26.2 | 23.9 | 21.7 | 20.6 | 19.5 | 18.4 | 17.8 | 17.8 | 17.3 | 17.3 |
| 50°   | 23.9 | 21.7 | 20.0 | 18.9 | 17.8 | 17.3 | 16.7 | 16.7 | 16.1 | 16.1 |
| 52.5° | 22.3 | 20.0 | 18.9 | 17.8 | 16.7 | 16.1 | 15.6 | 15.6 | 15.0 | 15.0 |
| 55°   | 20.0 | 18.4 | 17.3 | 16.7 | 15.6 | 15.0 | 14.5 | 13.9 | 13.9 | 14.5 |
| 57.5° | 18.4 | 17.3 | 16.1 | 15.6 | 14.5 | 13.9 | 13.4 | 13.4 | 12.8 | 13.4 |
| 60°   | 16.7 | 15.6 | 14.5 | 13.9 | 13.4 | 12.8 | 12.3 | 11.7 | 11.7 | 11.7 |
| 62.5° | 15.0 | 13.9 | 13.4 | 12.3 | 11.7 | 11.7 | 11.1 | 11.1 | 11.1 | 10.6 |
| 65°   | 12.8 | 12.3 | 11.7 | 11.1 | 10.6 | 10.0 | 10.0 | 9.5  | 9.5  | 9.5  |
| 67.5° | 10.6 | 10.0 | 9.5  | 9.5  | 8.9  | 8.4  | 8.4  | 8.4  | 8.4  | 7.8  |
| 70°   | 8.4  | 7.8  | 7.8  | 7.2  | 7.2  | 7.2  | 6.7  | 6.7  | 6.7  | 6.7  |
| 72.5° | 6.1  | 6.1  | 5.6  | 5.6  | 5.6  | 5.6  | 5.0  | 5.0  | 5.0  | 5.0  |
| 75°   | 4.5  | 4.5  | 4.5  | 3.9  | 3.9  | 3.9  | 3.3  | 3.3  | 3.3  | 3.3  |
| 77.5° | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.2  | 2.2  | 2.2  | 2.2  | 2.2  |
| 80°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.6  |
| 82.5° | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 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)