

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: P3ART09R709827DE010 E3LCWW1B

Issue Date: 5/8/2026

**Test Information**

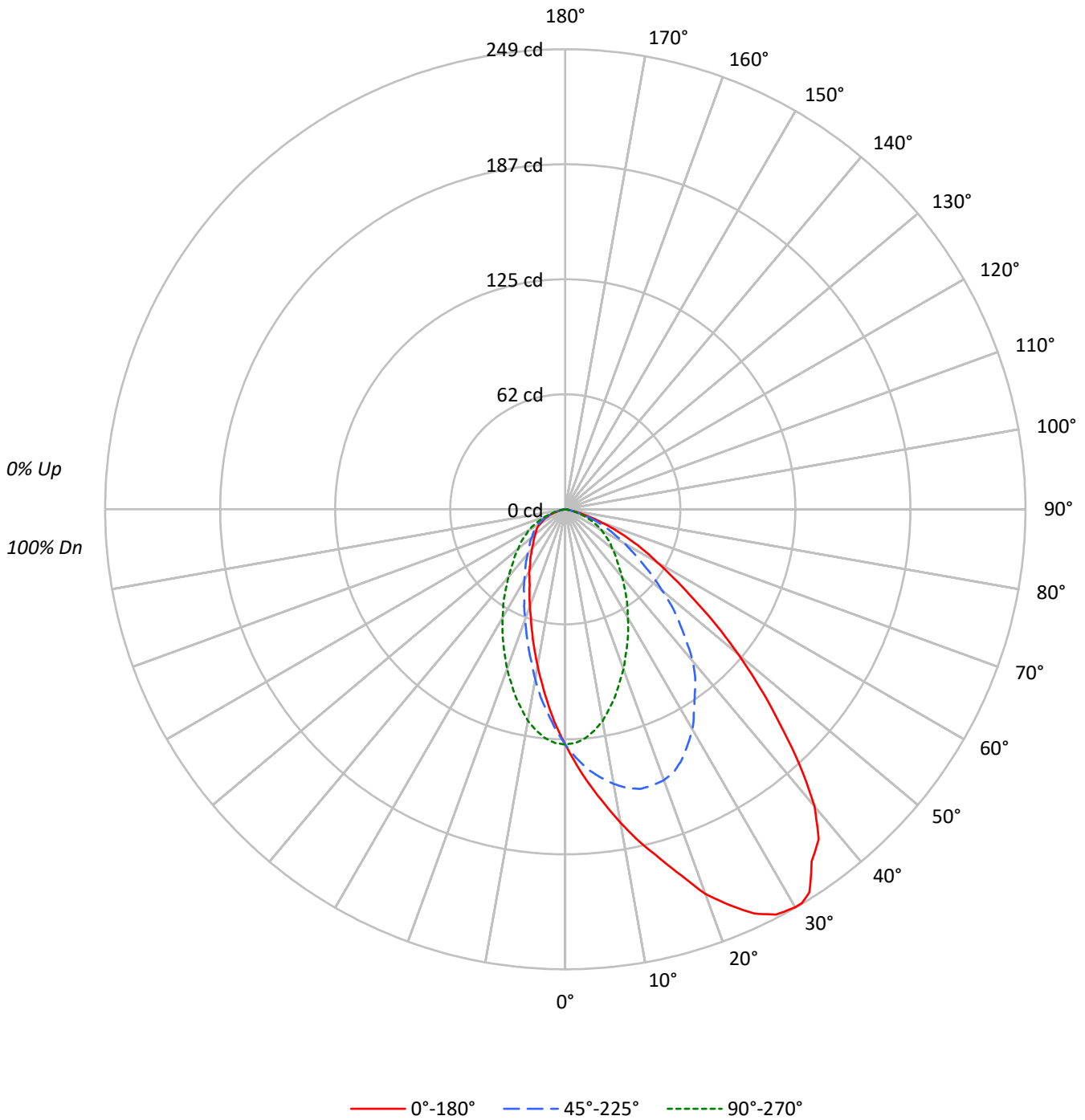
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709827DE010 E3LCWW1B  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 259.0 lumens  
Efficiency: N/A  
Efficacy: 23.5 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): 11  
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: P3ART09R709827DE010 E3LCWW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART09R709827DE010 E3LCWW1B

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

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 27914 | 27914 | 27914 | 27914 | 27914 |
| 5°  | 32886 | 31103 | 27383 | 24301 | 23333 |
| 10° | 38343 | 33600 | 25896 | 20819 | 19171 |
| 15° | 44268 | 35573 | 23723 | 17548 | 15710 |
| 20° | 51688 | 36403 | 21469 | 14771 | 13044 |
| 25° | 58407 | 36147 | 19235 | 12630 | 11033 |
| 30° | 62972 | 34841 | 17142 | 11192 | 9875  |
| 35° | 62238 | 32712 | 15366 | 10038 | 8861  |
| 40° | 60027 | 30743 | 13683 | 9046  | 8015  |
| 45° | 50889 | 27166 | 12311 | 8435  | 7536  |
| 50° | 41687 | 23334 | 11292 | 8017  | 7266  |
| 55° | 32343 | 19421 | 10705 | 7875  | 7302  |
| 60° | 25173 | 16139 | 9999  | 7763  | 6798  |
| 65° | 19872 | 13387 | 8769  | 7264  | 6486  |
| 70° | 13656 | 9938  | 7052  | 6155  | 5642  |
| 75° | 6863  | 5592  | 4999  | 4406  | 3728  |
| 80° | 884   | 1894  | 2778  | 1894  | 884   |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 50889 cd/sqm



TEST NUMBER: P#  
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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.9   | 4.6       |
| 10°-20°   | 33.2   | 12.8      |
| 20°-30°   | 48.9   | 18.9      |
| 30°-40°   | 54.8   | 21.2      |
| 40°-50°   | 48.2   | 18.6      |
| 50°-60°   | 34.5   | 13.3      |
| 60°-70°   | 20.4   | 7.9       |
| 70°-80°   | 6.9    | 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°    | 94.0   | 36.3      |
| 0°-40°    | 148.8  | 57.4      |
| 0°-60°    | 231.4  | 89.3      |
| 0°-90°    | 259.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 259.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 127 | 127 | 127 | 127  | 127  |      |
| 5°  | 149 | 141 | 124 | 110  | 106  | 15   |
| 15° | 195 | 157 | 104 | 77   | 69   | 56   |
| 25° | 241 | 149 | 80  | 52   | 46   | 111  |
| 35° | 232 | 122 | 57  | 38   | 33   | 146  |
| 45° | 164 | 88  | 40  | 27   | 24   | 127  |
| 55° | 85  | 51  | 28  | 21   | 19   | 77   |
| 65° | 38  | 26  | 17  | 14   | 12   | 38   |
| 75° | 8   | 7   | 6   | 5    | 4    | 10   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART09R709827DE010 E3LCWW1B

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 |
| 2.5°  | 138.3 | 138.3 | 138.3 | 136.9 | 136.9 | 134.7 | 133.2 | 131.0 | 129.5 | 127.3 | 126.6 |
| 5°    | 149.4 | 149.4 | 147.9 | 146.4 | 144.2 | 141.3 | 137.6 | 133.9 | 129.5 | 125.8 | 124.4 |
| 7.5°  | 160.4 | 161.2 | 159.0 | 156.0 | 151.6 | 146.4 | 141.3 | 135.4 | 128.8 | 123.6 | 120.7 |
| 10°   | 172.2 | 172.2 | 169.3 | 164.8 | 158.2 | 150.9 | 142.8 | 134.7 | 126.6 | 119.2 | 116.3 |
| 12.5° | 184.0 | 183.2 | 179.6 | 172.9 | 164.8 | 154.5 | 143.5 | 133.2 | 123.6 | 114.8 | 110.4 |
| 15°   | 195.0 | 195.0 | 189.9 | 181.8 | 170.0 | 156.7 | 143.5 | 130.3 | 119.2 | 108.9 | 104.5 |
| 17.5° | 207.5 | 207.5 | 200.9 | 188.4 | 173.7 | 156.7 | 141.3 | 126.6 | 114.1 | 103.0 | 97.9  |
| 20°   | 221.5 | 220.8 | 211.2 | 194.3 | 175.1 | 156.0 | 138.3 | 122.2 | 108.2 | 96.4  | 92.0  |
| 22.5° | 231.8 | 231.1 | 220.0 | 199.4 | 175.9 | 153.8 | 133.2 | 116.3 | 102.3 | 90.5  | 85.4  |
| 25°   | 241.4 | 239.9 | 227.4 | 201.6 | 174.4 | 149.4 | 128.0 | 109.6 | 96.4  | 84.6  | 79.5  |
| 27.5° | 247.3 | 246.5 | 232.5 | 200.9 | 170.7 | 143.5 | 121.4 | 103.8 | 89.8  | 78.0  | 73.6  |
| 30°   | 248.7 | 249.5 | 232.5 | 197.2 | 164.8 | 137.6 | 114.8 | 97.1  | 83.2  | 72.9  | 67.7  |
| 31°   | 248.7 | 249.5 | 231.1 | 195.0 | 162.6 | 134.7 | 111.9 | 94.9  | 80.2  | 69.9  | 65.5  |
| 32.5° | 245.8 | 244.3 | 228.9 | 191.3 | 157.5 | 129.5 | 108.2 | 91.3  | 76.5  | 66.2  | 62.6  |
| 35°   | 232.5 | 233.3 | 221.5 | 183.2 | 150.1 | 122.2 | 100.8 | 83.9  | 69.9  | 61.1  | 57.4  |
| 37.5° | 225.2 | 225.2 | 203.8 | 172.2 | 142.0 | 115.5 | 92.0  | 75.8  | 64.0  | 55.9  | 52.2  |
| 40°   | 209.7 | 207.5 | 187.7 | 160.4 | 132.5 | 107.4 | 86.8  | 70.6  | 58.9  | 50.8  | 47.8  |
| 42.5° | 187.7 | 185.4 | 170.0 | 150.1 | 120.0 | 97.1  | 82.4  | 62.6  | 53.0  | 46.4  | 43.4  |
| 45°   | 164.1 | 162.6 | 150.9 | 132.5 | 108.2 | 87.6  | 71.4  | 57.4  | 48.6  | 41.9  | 39.7  |
| 47.5° | 142.8 | 140.6 | 131.7 | 117.7 | 97.9  | 78.7  | 61.8  | 51.5  | 43.4  | 38.3  | 36.8  |
| 50°   | 122.2 | 121.4 | 114.1 | 103.0 | 86.8  | 68.4  | 54.5  | 45.6  | 39.7  | 35.3  | 33.1  |
| 52.5° | 103.0 | 101.6 | 97.9  | 89.0  | 75.8  | 59.6  | 47.8  | 40.5  | 35.3  | 32.4  | 30.9  |
| 55°   | 84.6  | 84.6  | 80.9  | 75.1  | 64.8  | 50.8  | 41.9  | 36.1  | 31.6  | 29.4  | 28.0  |
| 57.5° | 69.9  | 69.9  | 67.0  | 63.3  | 53.7  | 43.4  | 36.8  | 31.6  | 28.7  | 26.5  | 25.0  |
| 60°   | 57.4  | 57.4  | 55.2  | 51.5  | 44.9  | 36.8  | 31.6  | 28.0  | 25.8  | 23.5  | 22.8  |
| 62.5° | 47.8  | 47.1  | 45.6  | 41.9  | 36.8  | 30.9  | 27.2  | 24.3  | 22.1  | 20.6  | 19.9  |
| 65°   | 38.3  | 37.5  | 36.1  | 33.1  | 29.4  | 25.8  | 22.8  | 20.6  | 19.1  | 17.7  | 16.9  |
| 67.5° | 29.4  | 29.4  | 28.0  | 25.8  | 22.8  | 20.6  | 18.4  | 16.9  | 15.5  | 14.7  | 14.0  |
| 70°   | 21.3  | 21.3  | 20.6  | 19.1  | 16.9  | 15.5  | 14.0  | 13.2  | 12.5  | 11.8  | 11.0  |
| 72.5° | 14.7  | 14.7  | 14.0  | 13.2  | 11.8  | 11.0  | 9.6   | 9.6   | 8.8   | 8.8   | 8.1   |
| 75°   | 8.1   | 8.1   | 8.1   | 7.4   | 7.4   | 6.6   | 6.6   | 6.6   | 5.9   | 5.9   | 5.9   |
| 77.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 80°   | 0.7   | 0.7   | 0.7   | 0.7   | 1.5   | 1.5   | 1.5   | 1.5   | 2.2   | 2.2   | 2.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 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: P3ART09R709827DE010 E3LCWW1B

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 | 127.3 |
| 2.5°  | 125.8 | 123.6 | 122.2 | 121.4 | 119.2 | 118.5 | 117.7 | 117.0 | 117.0 | 117.0 |
| 5°    | 122.9 | 119.2 | 115.5 | 113.3 | 110.4 | 108.9 | 107.4 | 106.7 | 106.0 | 106.0 |
| 7.5°  | 117.7 | 113.3 | 108.9 | 105.2 | 102.3 | 99.3  | 97.9  | 96.4  | 96.4  | 95.7  |
| 10°   | 112.6 | 106.7 | 101.6 | 96.4  | 93.5  | 89.8  | 88.3  | 86.8  | 86.1  | 86.1  |
| 12.5° | 106.7 | 99.3  | 93.5  | 89.0  | 84.6  | 81.7  | 79.5  | 78.0  | 77.3  | 77.3  |
| 15°   | 100.1 | 92.7  | 86.1  | 81.7  | 77.3  | 73.6  | 71.4  | 69.9  | 69.2  | 69.2  |
| 17.5° | 93.5  | 86.1  | 78.7  | 74.3  | 69.9  | 66.2  | 64.8  | 63.3  | 62.6  | 61.8  |
| 20°   | 87.6  | 78.7  | 72.9  | 67.0  | 63.3  | 60.3  | 58.1  | 56.7  | 55.9  | 55.9  |
| 22.5° | 80.9  | 72.9  | 66.2  | 61.8  | 58.1  | 55.2  | 52.2  | 51.5  | 50.8  | 50.8  |
| 25°   | 74.3  | 67.0  | 61.1  | 56.7  | 52.2  | 50.0  | 47.8  | 46.4  | 46.4  | 45.6  |
| 27.5° | 69.2  | 61.8  | 55.9  | 51.5  | 48.6  | 45.6  | 44.2  | 42.7  | 41.9  | 41.9  |
| 30°   | 63.3  | 56.7  | 51.5  | 47.8  | 44.2  | 41.9  | 40.5  | 39.0  | 39.0  | 39.0  |
| 31°   | 61.8  | 55.2  | 50.0  | 45.6  | 42.7  | 40.5  | 39.0  | 38.3  | 37.5  | 37.5  |
| 32.5° | 58.1  | 52.2  | 47.1  | 43.4  | 40.5  | 38.3  | 36.8  | 36.1  | 36.1  | 35.3  |
| 35°   | 53.7  | 47.8  | 43.4  | 39.7  | 37.5  | 35.3  | 33.9  | 33.1  | 33.1  | 33.1  |
| 37.5° | 49.3  | 44.2  | 39.7  | 36.8  | 34.6  | 32.4  | 31.6  | 30.2  | 30.2  | 30.2  |
| 40°   | 44.9  | 40.5  | 36.8  | 33.9  | 31.6  | 30.2  | 29.4  | 28.7  | 28.0  | 28.0  |
| 42.5° | 41.2  | 36.8  | 33.9  | 31.6  | 29.4  | 28.0  | 27.2  | 26.5  | 26.5  | 25.8  |
| 45°   | 37.5  | 33.9  | 31.6  | 29.4  | 27.2  | 26.5  | 25.8  | 25.0  | 24.3  | 24.3  |
| 47.5° | 34.6  | 31.6  | 28.7  | 27.2  | 25.8  | 24.3  | 23.5  | 23.5  | 22.8  | 22.8  |
| 50°   | 31.6  | 28.7  | 26.5  | 25.0  | 23.5  | 22.8  | 22.1  | 22.1  | 21.3  | 21.3  |
| 52.5° | 29.4  | 26.5  | 25.0  | 23.5  | 22.1  | 21.3  | 20.6  | 20.6  | 19.9  | 19.9  |
| 55°   | 26.5  | 24.3  | 22.8  | 22.1  | 20.6  | 19.9  | 19.1  | 18.4  | 18.4  | 19.1  |
| 57.5° | 24.3  | 22.8  | 21.3  | 20.6  | 19.1  | 18.4  | 17.7  | 17.7  | 16.9  | 17.7  |
| 60°   | 22.1  | 20.6  | 19.1  | 18.4  | 17.7  | 16.9  | 16.2  | 15.5  | 15.5  | 15.5  |
| 62.5° | 19.9  | 18.4  | 17.7  | 16.2  | 15.5  | 15.5  | 14.7  | 14.7  | 14.7  | 14.0  |
| 65°   | 16.9  | 16.2  | 15.5  | 14.7  | 14.0  | 13.2  | 13.2  | 12.5  | 12.5  | 12.5  |
| 67.5° | 14.0  | 13.2  | 12.5  | 12.5  | 11.8  | 11.0  | 11.0  | 11.0  | 11.0  | 10.3  |
| 70°   | 11.0  | 10.3  | 10.3  | 9.6   | 9.6   | 9.6   | 8.8   | 8.8   | 8.8   | 8.8   |
| 72.5° | 8.1   | 8.1   | 7.4   | 7.4   | 7.4   | 7.4   | 6.6   | 6.6   | 6.6   | 6.6   |
| 75°   | 5.9   | 5.9   | 5.9   | 5.2   | 5.2   | 5.2   | 4.4   | 4.4   | 4.4   | 4.4   |
| 77.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 80°   | 2.2   | 2.2   | 2.2   | 2.2   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 0.7   |
| 82.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 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)