

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: P3ART13R709835DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

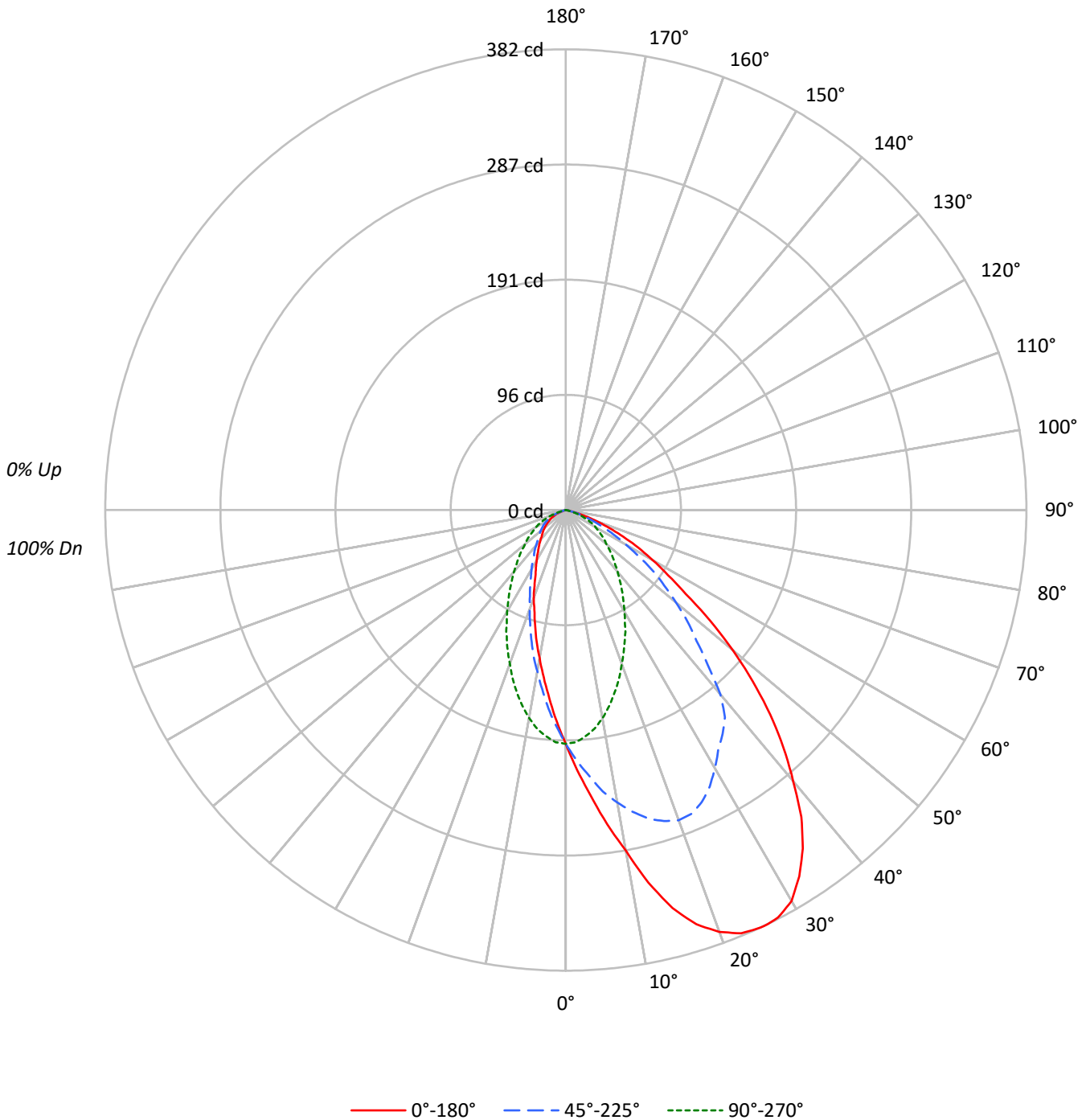
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709835DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 386.0 lumens  
Efficiency: N/A  
Efficacy: 26.6 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): 14.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P3ART13R709835DE010 E3LSWW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1MW

**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°  | 42497 | 42497 | 42497 | 42497 | 42497 |
| 5°  | 52300 | 48668 | 41448 | 36386 | 34471 |
| 10° | 63860 | 54842 | 39011 | 30238 | 27788 |
| 15° | 77549 | 60137 | 35551 | 25108 | 22361 |
| 20° | 86854 | 63869 | 31689 | 20442 | 18132 |
| 25° | 92449 | 64625 | 28066 | 16961 | 14299 |
| 30° | 94799 | 62643 | 24662 | 14407 | 12204 |
| 35° | 91738 | 60659 | 21683 | 12314 | 10547 |
| 40° | 83986 | 57050 | 19122 | 10963 | 9389  |
| 45° | 74364 | 47540 | 16963 | 10172 | 8497  |
| 50° | 61610 | 40698 | 14942 | 9347  | 7846  |
| 55° | 46450 | 33910 | 13801 | 8793  | 7111  |
| 60° | 36488 | 25437 | 12499 | 8157  | 6228  |
| 65° | 27292 | 18731 | 10792 | 6797  | 5137  |
| 70° | 17567 | 11925 | 7694  | 4937  | 2821  |
| 75° | 7456  | 6524  | 3728  | 1864  | 932   |
| 80° | 1389  | 1389  | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74364 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 18.4   | 4.8       |
| 10°-20°   | 52.9   | 13.7      |
| 20°-30°   | 77.4   | 20.0      |
| 30°-40°   | 84.3   | 21.8      |
| 40°-50°   | 72.9   | 18.9      |
| 50°-60°   | 48.9   | 12.7      |
| 60°-70°   | 25.2   | 6.5       |
| 70°-80°   | 6.0    | 1.5       |
| 80°-90°   | 0.1    | 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°    | 148.6  | 38.5      |
| 0°-40°    | 232.9  | 60.3      |
| 0°-60°    | 354.7  | 91.9      |
| 0°-90°    | 386.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 386.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 194 | 194 | 194 | 194  | 194  |      |
| 5°  | 238 | 221 | 188 | 165  | 157  | 24   |
| 15° | 342 | 265 | 157 | 111  | 98   | 97   |
| 25° | 382 | 267 | 116 | 70   | 59   | 176  |
| 35° | 343 | 227 | 81  | 46   | 39   | 212  |
| 45° | 240 | 153 | 55  | 33   | 27   | 184  |
| 55° | 122 | 89  | 36  | 23   | 19   | 112  |
| 65° | 53  | 36  | 21  | 13   | 10   | 53   |
| 75° | 9   | 8   | 4   | 2    | 1    | 11   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 2.5°  | 215.7 | 214.6 | 214.6 | 212.4 | 210.2 | 208.0 | 204.7 | 201.4 | 198.2 | 194.9 | 192.7 |
| 5°    | 237.6 | 238.7 | 237.6 | 233.2 | 227.7 | 221.1 | 214.6 | 206.9 | 199.3 | 192.7 | 188.3 |
| 7.5°  | 262.8 | 262.8 | 259.5 | 254.0 | 246.3 | 235.4 | 224.4 | 211.3 | 199.3 | 188.3 | 182.8 |
| 10°   | 286.8 | 286.8 | 281.4 | 272.6 | 260.6 | 246.3 | 231.0 | 213.5 | 197.1 | 181.7 | 175.2 |
| 12.5° | 316.4 | 315.3 | 308.7 | 294.5 | 277.0 | 256.2 | 235.4 | 213.5 | 193.8 | 175.2 | 166.4 |
| 15°   | 341.6 | 340.5 | 331.7 | 314.2 | 291.2 | 264.9 | 236.5 | 211.3 | 187.2 | 166.4 | 156.6 |
| 17.5° | 360.2 | 358.0 | 348.1 | 329.5 | 303.3 | 270.4 | 237.6 | 206.9 | 179.5 | 156.6 | 146.7 |
| 20°   | 372.2 | 371.1 | 360.2 | 338.3 | 309.8 | 273.7 | 236.5 | 201.4 | 171.9 | 146.7 | 135.8 |
| 22.5° | 379.9 | 377.7 | 366.8 | 342.7 | 309.8 | 272.6 | 232.1 | 193.8 | 162.0 | 136.8 | 125.9 |
| 25°   | 382.1 | 381.0 | 367.9 | 341.6 | 306.5 | 267.1 | 225.5 | 186.1 | 152.2 | 127.0 | 116.0 |
| 26°   | 382.1 | 381.0 | 367.9 | 340.5 | 304.4 | 263.8 | 222.2 | 182.8 | 148.9 | 122.6 | 112.8 |
| 27.5° | 381.0 | 379.9 | 365.7 | 337.2 | 300.0 | 258.4 | 215.7 | 176.3 | 142.3 | 117.1 | 106.2 |
| 30°   | 374.4 | 372.2 | 358.0 | 329.5 | 290.1 | 247.4 | 204.7 | 166.4 | 132.5 | 107.3 | 97.4  |
| 32.5° | 360.2 | 358.0 | 342.7 | 316.4 | 279.2 | 235.4 | 192.7 | 155.5 | 122.6 | 97.4  | 88.7  |
| 35°   | 342.7 | 340.5 | 325.2 | 300.0 | 263.8 | 226.6 | 179.5 | 143.4 | 111.7 | 89.8  | 81.0  |
| 37.5° | 320.8 | 317.5 | 304.4 | 278.1 | 245.2 | 216.8 | 168.6 | 131.4 | 101.8 | 81.0  | 73.4  |
| 40°   | 293.4 | 292.3 | 280.3 | 256.2 | 223.3 | 199.3 | 162.0 | 131.4 | 93.1  | 73.4  | 66.8  |
| 42.5° | 267.1 | 264.9 | 254.0 | 233.2 | 203.6 | 174.1 | 142.3 | 125.9 | 86.5  | 65.7  | 60.2  |
| 45°   | 239.8 | 237.6 | 227.7 | 210.2 | 182.8 | 153.3 | 125.3 | 108.4 | 74.4  | 60.2  | 54.7  |
| 47.5° | 210.2 | 208.0 | 200.3 | 187.2 | 163.1 | 136.8 | 111.7 | 88.7  | 67.9  | 53.6  | 49.3  |
| 50°   | 180.6 | 181.7 | 175.2 | 162.0 | 143.4 | 119.3 | 96.3  | 74.4  | 58.0  | 48.2  | 43.8  |
| 52.5° | 151.1 | 150.0 | 145.6 | 136.8 | 123.7 | 102.9 | 82.1  | 63.5  | 50.4  | 42.7  | 40.5  |
| 55°   | 121.5 | 122.6 | 120.4 | 115.0 | 104.0 | 88.7  | 69.0  | 54.7  | 44.9  | 38.3  | 36.1  |
| 57.5° | 100.7 | 101.8 | 97.4  | 94.2  | 85.4  | 72.3  | 56.9  | 46.0  | 38.3  | 33.9  | 31.7  |
| 60°   | 83.2  | 84.3  | 81.0  | 76.6  | 70.1  | 58.0  | 46.0  | 38.3  | 33.9  | 30.7  | 28.5  |
| 62.5° | 67.9  | 66.8  | 64.6  | 60.2  | 54.7  | 46.0  | 37.2  | 31.7  | 28.5  | 26.3  | 25.2  |
| 65°   | 52.6  | 52.6  | 50.4  | 47.1  | 42.7  | 36.1  | 29.6  | 26.3  | 24.1  | 21.9  | 20.8  |
| 67.5° | 39.4  | 39.4  | 37.2  | 35.0  | 30.7  | 26.3  | 23.0  | 20.8  | 19.7  | 17.5  | 16.4  |
| 70°   | 27.4  | 27.4  | 26.3  | 25.2  | 21.9  | 18.6  | 17.5  | 15.3  | 14.2  | 13.1  | 12.0  |
| 72.5° | 17.5  | 17.5  | 17.5  | 15.3  | 14.2  | 12.0  | 12.0  | 10.9  | 9.9   | 8.8   | 8.8   |
| 75°   | 8.8   | 9.9   | 8.8   | 8.8   | 7.7   | 7.7   | 6.6   | 6.6   | 5.5   | 5.5   | 4.4   |
| 77.5° | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 80°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 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: P3ART13R709835DE010 E3LSWW1MW

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 2.5°  | 190.5 | 187.2 | 185.0 | 181.7 | 179.5 | 177.4 | 176.3 | 175.2 | 175.2 | 175.2 |
| 5°    | 185.0 | 179.5 | 174.1 | 168.6 | 165.3 | 162.0 | 158.7 | 157.7 | 156.6 | 156.6 |
| 7.5°  | 178.5 | 169.7 | 162.0 | 155.5 | 150.0 | 146.7 | 143.4 | 141.2 | 140.1 | 140.1 |
| 10°   | 169.7 | 158.7 | 150.0 | 141.2 | 135.8 | 131.4 | 129.2 | 125.9 | 125.9 | 124.8 |
| 12.5° | 159.8 | 146.7 | 136.8 | 129.2 | 123.7 | 118.2 | 115.0 | 112.8 | 111.7 | 111.7 |
| 15°   | 148.9 | 135.8 | 124.8 | 116.0 | 110.6 | 105.1 | 101.8 | 99.6  | 98.5  | 98.5  |
| 17.5° | 137.9 | 123.7 | 112.8 | 104.0 | 98.5  | 93.1  | 89.8  | 87.6  | 87.6  | 86.5  |
| 20°   | 127.0 | 112.8 | 101.8 | 93.1  | 87.6  | 83.2  | 79.9  | 77.7  | 76.6  | 77.7  |
| 22.5° | 117.1 | 102.9 | 92.0  | 84.3  | 77.7  | 73.4  | 70.1  | 69.0  | 67.9  | 67.9  |
| 25°   | 106.2 | 93.1  | 83.2  | 75.5  | 70.1  | 65.7  | 62.4  | 61.3  | 60.2  | 59.1  |
| 26°   | 102.9 | 89.8  | 79.9  | 72.3  | 66.8  | 62.4  | 60.2  | 58.0  | 56.9  | 56.9  |
| 27.5° | 98.5  | 84.3  | 75.5  | 67.9  | 62.4  | 59.1  | 55.8  | 54.7  | 53.6  | 53.6  |
| 30°   | 88.7  | 76.6  | 67.9  | 61.3  | 56.9  | 52.6  | 50.4  | 49.3  | 48.2  | 48.2  |
| 32.5° | 81.0  | 69.0  | 61.3  | 55.8  | 51.5  | 48.2  | 46.0  | 43.8  | 43.8  | 43.8  |
| 35°   | 73.4  | 62.4  | 55.8  | 50.4  | 46.0  | 42.7  | 41.6  | 40.5  | 39.4  | 39.4  |
| 37.5° | 66.8  | 56.9  | 50.4  | 46.0  | 42.7  | 39.4  | 37.2  | 36.1  | 36.1  | 36.1  |
| 40°   | 60.2  | 52.6  | 46.0  | 41.6  | 38.3  | 36.1  | 33.9  | 32.8  | 32.8  | 32.8  |
| 42.5° | 54.7  | 47.1  | 42.7  | 38.3  | 35.0  | 32.8  | 31.7  | 30.7  | 29.6  | 29.6  |
| 45°   | 50.4  | 43.8  | 38.3  | 35.0  | 32.8  | 30.7  | 28.5  | 27.4  | 27.4  | 27.4  |
| 47.5° | 44.9  | 40.5  | 35.0  | 31.7  | 29.6  | 27.4  | 26.3  | 25.2  | 25.2  | 25.2  |
| 50°   | 41.6  | 37.2  | 32.8  | 29.6  | 27.4  | 25.2  | 24.1  | 23.0  | 23.0  | 23.0  |
| 52.5° | 37.2  | 33.9  | 30.7  | 27.4  | 25.2  | 23.0  | 21.9  | 20.8  | 20.8  | 20.8  |
| 55°   | 33.9  | 30.7  | 27.4  | 25.2  | 23.0  | 20.8  | 19.7  | 18.6  | 18.6  | 18.6  |
| 57.5° | 30.7  | 27.4  | 25.2  | 23.0  | 20.8  | 19.7  | 17.5  | 17.5  | 16.4  | 16.4  |
| 60°   | 27.4  | 24.1  | 21.9  | 20.8  | 18.6  | 17.5  | 15.3  | 14.2  | 14.2  | 14.2  |
| 62.5° | 23.0  | 21.9  | 19.7  | 17.5  | 15.3  | 14.2  | 13.1  | 12.0  | 12.0  | 12.0  |
| 65°   | 19.7  | 18.6  | 16.4  | 14.2  | 13.1  | 12.0  | 10.9  | 9.9   | 9.9   | 9.9   |
| 67.5° | 16.4  | 14.2  | 13.1  | 12.0  | 10.9  | 9.9   | 8.8   | 7.7   | 6.6   | 7.7   |
| 70°   | 12.0  | 10.9  | 9.9   | 8.8   | 7.7   | 6.6   | 5.5   | 5.5   | 4.4   | 4.4   |
| 72.5° | 7.7   | 6.6   | 6.6   | 5.5   | 4.4   | 4.4   | 3.3   | 3.3   | 2.2   | 2.2   |
| 75°   | 4.4   | 4.4   | 3.3   | 3.3   | 2.2   | 2.2   | 1.1   | 1.1   | 1.1   | 1.1   |
| 77.5° | 2.2   | 1.1   | 1.1   | 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)