

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: P1445842

Luminaire Tested: P3ART17R709030DE010 E3LSWW1WH

Issue Date: 5/8/2026

**Test Information**

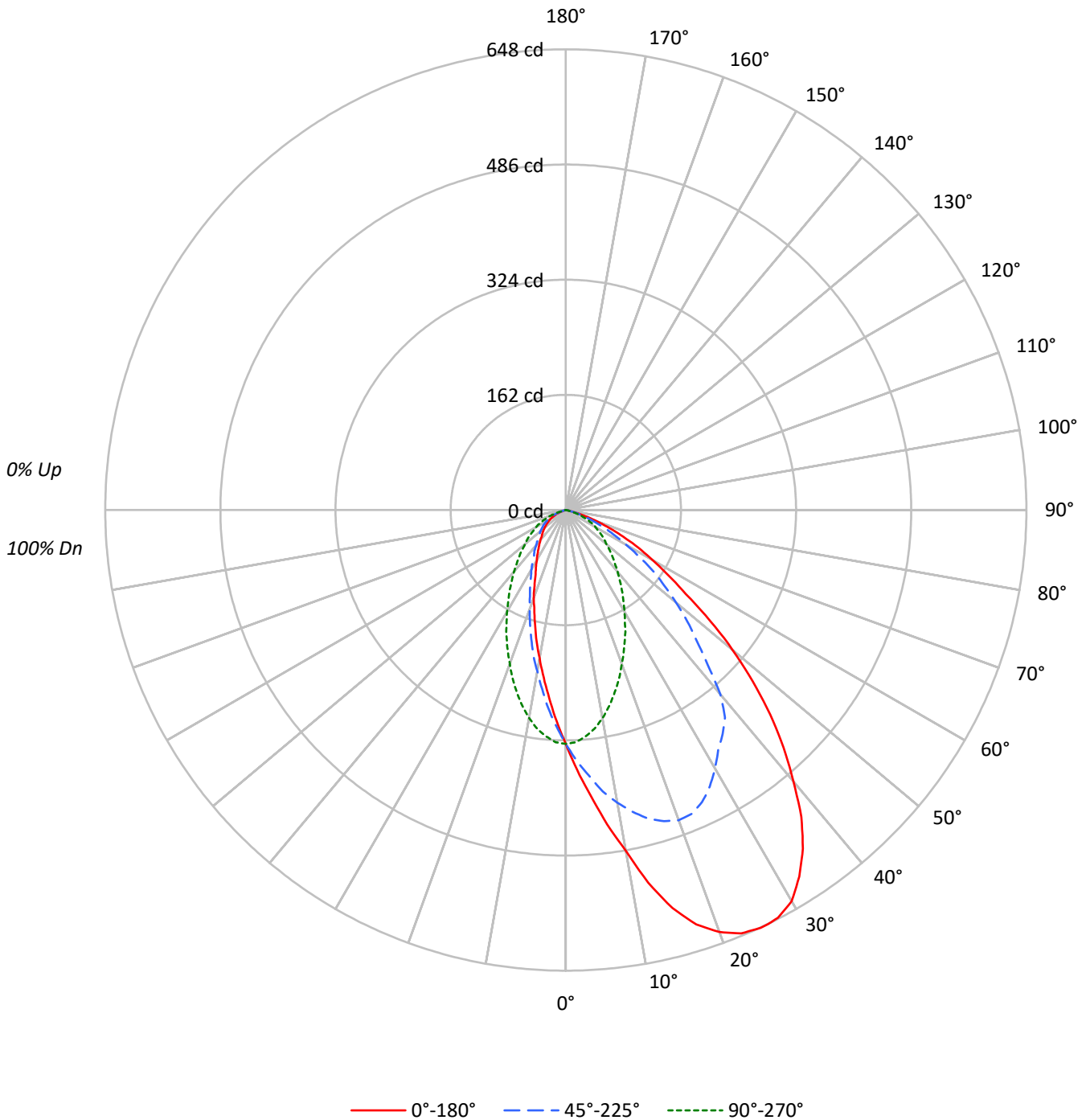
Test Method: LM-79-2019  
Report Number: P1445842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709030DE010 E3LSWW1WH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 655.0 lumens  
Efficiency: N/A  
Efficacy: 30.9 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): 21.2  
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: P1445842  
CATALOG NUMBER: P3ART17R709030DE010 E3LSWW1WH

### Luminous Intensity Polar Plot





TEST NUMBER: P1445842  
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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 | 100 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  | 89  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 78  | 78  | 78  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 68  | 68  | 68  |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 60  | 60  | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  | 53  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  | 47  | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  | 43  | 43  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 39  | 39  | 39  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  | 35  | 35  |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  | 32  | 32  |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 72099  | 72099  | 72099 | 72099 | 72099 |
| 5°  | 88730  | 82610  | 70328 | 61743 | 58485 |
| 10° | 108370 | 93073  | 66176 | 51302 | 47160 |
| 15° | 131579 | 102066 | 60318 | 42588 | 37957 |
| 20° | 147386 | 108369 | 53765 | 34676 | 30779 |
| 25° | 156880 | 109676 | 47640 | 28768 | 24268 |
| 30° | 160886 | 106320 | 41855 | 24459 | 20687 |
| 35° | 155663 | 102954 | 36808 | 20880 | 17909 |
| 40° | 142524 | 96781  | 32432 | 18606 | 15944 |
| 45° | 126153 | 80660  | 28809 | 17273 | 14389 |
| 50° | 104559 | 69081  | 25347 | 15829 | 13304 |
| 55° | 78831  | 57537  | 23435 | 14910 | 12081 |
| 60° | 61925  | 43198  | 21183 | 13859 | 10613 |
| 65° | 46283  | 31806  | 18316 | 11571 | 8665  |
| 70° | 29749  | 20260  | 13079 | 8335  | 4744  |
| 75° | 12624  | 11014  | 6270  | 3135  | 1610  |
| 80° | 2399   | 2399   | 0     | 0     | 0     |
| 85° | 0      | 0      | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 126153 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.2   | 4.8       |
| 10°-20°   | 89.8   | 13.7      |
| 20°-30°   | 131.3  | 20.0      |
| 30°-40°   | 143.0  | 21.8      |
| 40°-50°   | 123.8  | 18.9      |
| 50°-60°   | 82.9   | 12.7      |
| 60°-70°   | 42.8   | 6.5       |
| 70°-80°   | 10.1   | 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°    | 252.2  | 38.5      |
| 0°-40°    | 395.3  | 60.3      |
| 0°-60°    | 601.9  | 91.9      |
| 0°-90°    | 655.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 655.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 329 | 329 | 329 | 329  | 329  |      |
| 5°  | 403 | 375 | 320 | 280  | 266  | 41   |
| 15° | 580 | 450 | 266 | 188  | 167  | 164  |
| 25° | 648 | 453 | 197 | 119  | 100  | 298  |
| 35° | 582 | 385 | 138 | 78   | 67   | 360  |
| 45° | 407 | 260 | 93  | 56   | 46   | 311  |
| 55° | 206 | 150 | 61  | 39   | 32   | 191  |
| 65° | 89  | 61  | 35  | 22   | 17   | 90   |
| 75° | 15  | 13  | 7   | 4    | 2    | 19   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P1445842

CATALOG NUMBER: P3ART17R709030DE010 E3LSWW1WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 |
| 2.5°  | 366.0 | 364.1 | 364.1 | 360.4 | 356.7 | 353.0 | 347.4 | 341.8 | 336.3 | 330.7 | 327.0 |
| 5°    | 403.1 | 405.0 | 403.1 | 395.7 | 386.4 | 375.3 | 364.1 | 351.1 | 338.1 | 327.0 | 319.5 |
| 7.5°  | 445.9 | 445.9 | 440.3 | 431.0 | 418.0 | 399.4 | 380.8 | 358.5 | 338.1 | 319.5 | 310.2 |
| 10°   | 486.7 | 486.7 | 477.4 | 462.6 | 442.1 | 418.0 | 392.0 | 362.3 | 334.4 | 308.4 | 297.2 |
| 12.5° | 536.9 | 535.0 | 523.9 | 499.7 | 470.0 | 434.7 | 399.4 | 362.3 | 328.8 | 297.2 | 282.4 |
| 15°   | 579.6 | 577.8 | 562.9 | 533.2 | 494.2 | 449.6 | 401.3 | 358.5 | 317.7 | 282.4 | 265.7 |
| 17.5° | 611.2 | 607.5 | 590.8 | 559.2 | 514.6 | 458.9 | 403.1 | 351.1 | 304.7 | 265.7 | 248.9 |
| 20°   | 631.6 | 629.8 | 611.2 | 574.0 | 525.7 | 464.4 | 401.3 | 341.8 | 291.7 | 248.9 | 230.4 |
| 22.5° | 644.6 | 640.9 | 622.3 | 581.5 | 525.7 | 462.6 | 393.8 | 328.8 | 274.9 | 232.2 | 213.6 |
| 25°   | 648.4 | 646.5 | 624.2 | 579.6 | 520.2 | 453.3 | 382.7 | 315.8 | 258.2 | 215.5 | 196.9 |
| 26°   | 648.4 | 646.5 | 624.2 | 577.8 | 516.5 | 447.7 | 377.1 | 310.2 | 252.7 | 208.1 | 191.3 |
| 27.5° | 646.5 | 644.6 | 620.5 | 572.2 | 509.0 | 438.4 | 366.0 | 299.1 | 241.5 | 198.8 | 180.2 |
| 30°   | 635.4 | 631.6 | 607.5 | 559.2 | 492.3 | 419.9 | 347.4 | 282.4 | 224.8 | 182.1 | 165.3 |
| 32.5° | 611.2 | 607.5 | 581.5 | 536.9 | 473.7 | 399.4 | 327.0 | 263.8 | 208.1 | 165.3 | 150.5 |
| 35°   | 581.5 | 577.8 | 551.8 | 509.0 | 447.7 | 384.6 | 304.7 | 243.4 | 189.5 | 152.3 | 137.5 |
| 37.5° | 544.3 | 538.7 | 516.5 | 471.9 | 416.1 | 367.8 | 286.1 | 222.9 | 172.8 | 137.5 | 124.5 |
| 40°   | 497.9 | 496.0 | 475.6 | 434.7 | 379.0 | 338.1 | 274.9 | 222.9 | 157.9 | 124.5 | 113.3 |
| 42.5° | 453.3 | 449.6 | 431.0 | 395.7 | 345.5 | 295.4 | 241.5 | 213.6 | 146.8 | 111.5 | 102.2 |
| 45°   | 406.8 | 403.1 | 386.4 | 356.7 | 310.2 | 260.1 | 260.1 | 183.9 | 126.3 | 102.2 | 92.9  |
| 47.5° | 356.7 | 353.0 | 340.0 | 317.7 | 276.8 | 232.2 | 189.5 | 150.5 | 115.2 | 91.0  | 83.6  |
| 50°   | 306.5 | 308.4 | 297.2 | 274.9 | 243.4 | 202.5 | 163.5 | 126.3 | 98.5  | 81.7  | 74.3  |
| 52.5° | 256.4 | 254.5 | 247.1 | 232.2 | 209.9 | 174.6 | 139.3 | 107.7 | 85.5  | 72.5  | 68.7  |
| 55°   | 206.2 | 208.1 | 204.4 | 195.1 | 176.5 | 150.5 | 117.0 | 92.9  | 76.2  | 65.0  | 61.3  |
| 57.5° | 170.9 | 172.8 | 165.3 | 159.8 | 144.9 | 122.6 | 96.6  | 78.0  | 65.0  | 57.6  | 53.9  |
| 60°   | 141.2 | 143.0 | 137.5 | 130.0 | 118.9 | 98.5  | 78.0  | 65.0  | 57.6  | 52.0  | 48.3  |
| 62.5° | 115.2 | 113.3 | 109.6 | 102.2 | 92.9  | 78.0  | 63.2  | 53.9  | 48.3  | 44.6  | 42.7  |
| 65°   | 89.2  | 89.2  | 85.5  | 79.9  | 72.5  | 61.3  | 50.2  | 44.6  | 40.9  | 37.2  | 35.3  |
| 67.5° | 66.9  | 66.9  | 63.2  | 59.4  | 52.0  | 44.6  | 39.0  | 35.3  | 33.4  | 29.7  | 27.9  |
| 70°   | 46.4  | 46.4  | 44.6  | 42.7  | 37.2  | 31.6  | 29.7  | 26.0  | 24.2  | 22.3  | 20.4  |
| 72.5° | 29.7  | 29.7  | 29.7  | 26.0  | 24.2  | 20.4  | 20.4  | 18.6  | 16.7  | 14.9  | 14.9  |
| 75°   | 14.9  | 16.7  | 14.9  | 14.9  | 13.0  | 13.0  | 11.1  | 11.1  | 9.3   | 9.3   | 7.4   |
| 77.5° | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 80°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 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°    | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 |
| 2.5°  | 323.2 | 317.7 | 314.0 | 308.4 | 304.7 | 301.0 | 299.1 | 297.2 | 297.2 | 297.2 |
| 5°    | 314.0 | 304.7 | 295.4 | 286.1 | 280.5 | 274.9 | 269.4 | 267.5 | 265.7 | 265.7 |
| 7.5°  | 302.8 | 288.0 | 274.9 | 263.8 | 254.5 | 248.9 | 243.4 | 239.6 | 237.8 | 237.8 |
| 10°   | 288.0 | 269.4 | 254.5 | 239.6 | 230.4 | 222.9 | 219.2 | 213.6 | 213.6 | 211.8 |
| 12.5° | 271.2 | 248.9 | 232.2 | 219.2 | 209.9 | 200.6 | 195.1 | 191.3 | 189.5 | 189.5 |
| 15°   | 252.7 | 230.4 | 211.8 | 196.9 | 187.6 | 178.3 | 172.8 | 169.1 | 167.2 | 167.2 |
| 17.5° | 234.1 | 209.9 | 191.3 | 176.5 | 167.2 | 157.9 | 152.3 | 148.6 | 148.6 | 146.8 |
| 20°   | 215.5 | 191.3 | 172.8 | 157.9 | 148.6 | 141.2 | 135.6 | 131.9 | 130.0 | 131.9 |
| 22.5° | 198.8 | 174.6 | 156.1 | 143.0 | 131.9 | 124.5 | 118.9 | 117.0 | 115.2 | 115.2 |
| 25°   | 180.2 | 157.9 | 141.2 | 128.2 | 118.9 | 111.5 | 105.9 | 104.0 | 102.2 | 100.3 |
| 26°   | 174.6 | 152.3 | 135.6 | 122.6 | 113.3 | 105.9 | 102.2 | 98.5  | 96.6  | 96.6  |
| 27.5° | 167.2 | 143.0 | 128.2 | 115.2 | 105.9 | 100.3 | 94.7  | 92.9  | 91.0  | 91.0  |
| 30°   | 150.5 | 130.0 | 115.2 | 104.0 | 96.6  | 89.2  | 85.5  | 83.6  | 81.7  | 81.7  |
| 32.5° | 137.5 | 117.0 | 104.0 | 94.7  | 87.3  | 81.7  | 78.0  | 74.3  | 74.3  | 74.3  |
| 35°   | 124.5 | 105.9 | 94.7  | 85.5  | 78.0  | 72.5  | 70.6  | 68.7  | 66.9  | 66.9  |
| 37.5° | 113.3 | 96.6  | 85.5  | 78.0  | 72.5  | 66.9  | 63.2  | 61.3  | 61.3  | 61.3  |
| 40°   | 102.2 | 89.2  | 78.0  | 70.6  | 65.0  | 61.3  | 57.6  | 55.7  | 55.7  | 55.7  |
| 42.5° | 92.9  | 79.9  | 72.5  | 65.0  | 59.4  | 55.7  | 53.9  | 52.0  | 50.2  | 50.2  |
| 45°   | 85.5  | 74.3  | 65.0  | 59.4  | 55.7  | 52.0  | 48.3  | 46.4  | 46.4  | 46.4  |
| 47.5° | 76.2  | 68.7  | 59.4  | 53.9  | 50.2  | 46.4  | 44.6  | 42.7  | 42.7  | 42.7  |
| 50°   | 70.6  | 63.2  | 55.7  | 50.2  | 46.4  | 42.7  | 40.9  | 39.0  | 39.0  | 39.0  |
| 52.5° | 63.2  | 57.6  | 52.0  | 46.4  | 42.7  | 39.0  | 37.2  | 35.3  | 35.3  | 35.3  |
| 55°   | 57.6  | 52.0  | 46.4  | 42.7  | 39.0  | 35.3  | 33.4  | 31.6  | 31.6  | 31.6  |
| 57.5° | 52.0  | 46.4  | 42.7  | 39.0  | 35.3  | 33.4  | 29.7  | 29.7  | 27.9  | 27.9  |
| 60°   | 46.4  | 40.9  | 37.2  | 35.3  | 31.6  | 29.7  | 26.0  | 24.2  | 24.2  | 24.2  |
| 62.5° | 39.0  | 37.2  | 33.4  | 29.7  | 26.0  | 24.2  | 22.3  | 20.4  | 20.4  | 20.4  |
| 65°   | 33.4  | 31.6  | 27.9  | 24.2  | 22.3  | 20.4  | 18.6  | 16.7  | 16.7  | 16.7  |
| 67.5° | 27.9  | 24.2  | 22.3  | 20.4  | 18.6  | 16.7  | 14.9  | 13.0  | 11.1  | 13.0  |
| 70°   | 20.4  | 18.6  | 16.7  | 14.9  | 13.0  | 11.1  | 9.3   | 9.3   | 7.4   | 7.4   |
| 72.5° | 13.0  | 11.1  | 11.1  | 9.3   | 7.4   | 7.4   | 5.6   | 5.6   | 3.7   | 3.7   |
| 75°   | 7.4   | 7.4   | 5.6   | 5.6   | 3.7   | 3.7   | 1.9   | 1.9   | 1.9   | 1.9   |
| 77.5° | 3.7   | 1.9   | 1.9   | 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)