

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: P1310638

Luminaire Tested: P3SQAS20R709040D010 E3SQCLSWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R709040D010 E3SQCLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC  
Light Source: -  
Ballast/Driver: -

**Summary**

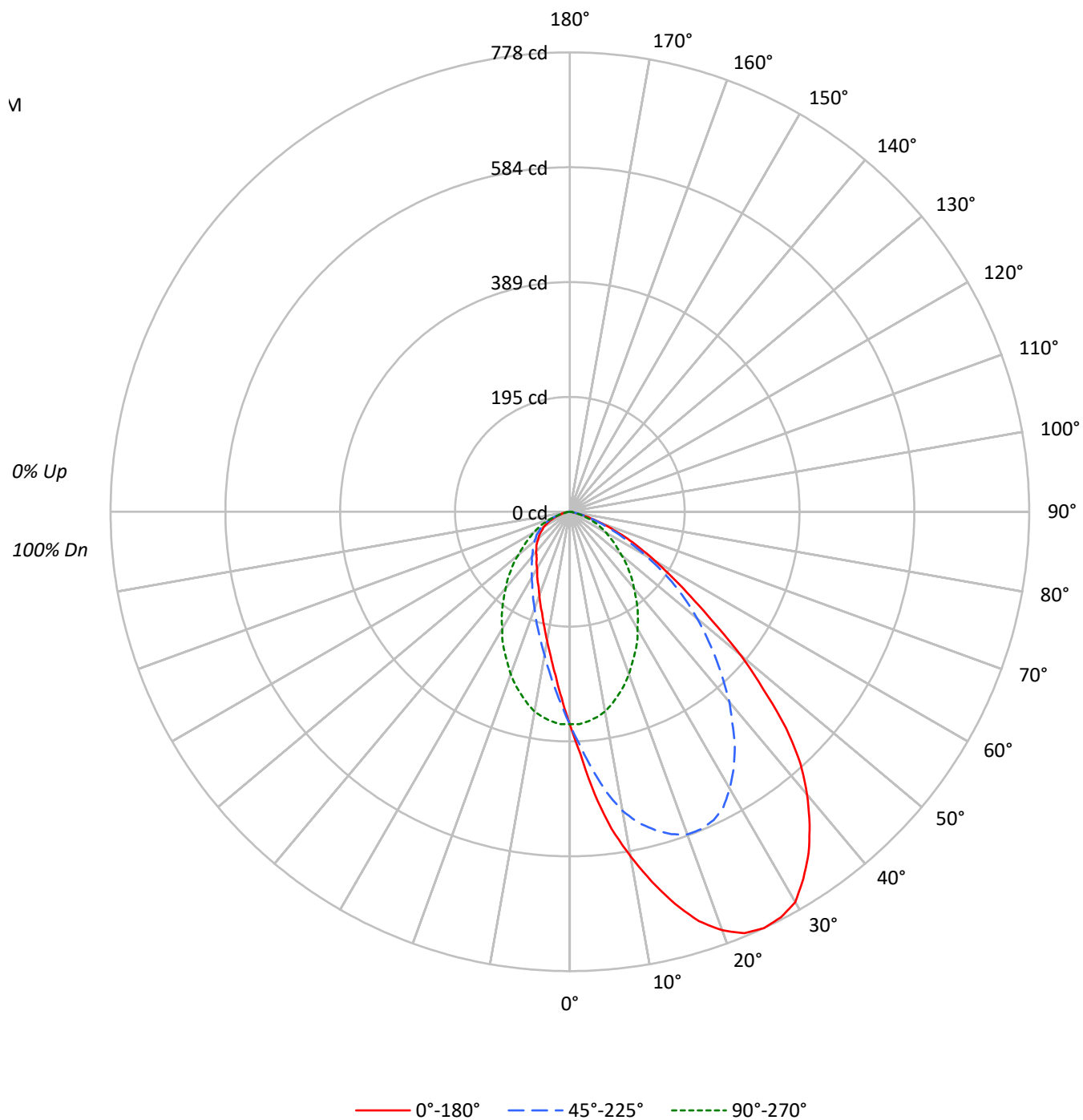
Lumens per Lamp: N/A  
Luminaire Lumens: 879.0 lumens  
Efficiency: N/A  
Efficacy: 30.5 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1310638

CATALOG NUMBER: P3SQAS20R709040D010 E3SQCLSWW1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1310638

CATALOG NUMBER: P3SQAS20R709040D010 E3SQCLSWW1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| 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 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 90  | 90  | 88  |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 78  | 78  | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 68  | 68  | 66  |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 73  | 66  | 61  | 70  | 65  | 60  | 68  | 64  | 60  | 60  | 60  | 58  |
| 5   | 80  | 69  | 61  | 55  | 78  | 68  | 60  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 53  | 53  | 51  |
| 6   | 75  | 62  | 54  | 48  | 73  | 62  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 47  | 47  | 45  |
| 7   | 69  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 38  | 38  | 36  |
| 9   | 61  | 48  | 40  | 35  | 59  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 35  | 35  | 33  |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 32  | 32  | 30  |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 61983  | 61983  | 61983 | 61983 | 61983 |
| 5°  | 82948  | 75722  | 61597 | 51536 | 48078 |
| 10° | 103616 | 89958  | 60071 | 43230 | 38771 |
| 15° | 122509 | 99490  | 57038 | 36943 | 32076 |
| 20° | 138245 | 106593 | 53626 | 31982 | 27656 |
| 25° | 147822 | 109493 | 49730 | 28314 | 24532 |
| 30° | 151814 | 107706 | 45540 | 25674 | 22054 |
| 35° | 148265 | 102410 | 42028 | 23695 | 20646 |
| 40° | 140580 | 94402  | 37995 | 22482 | 20032 |
| 45° | 126164 | 85002  | 34537 | 21701 | 19485 |
| 50° | 101305 | 75476  | 30678 | 20952 | 18514 |
| 55° | 74765  | 64946  | 27294 | 20748 | 18016 |
| 60° | 57591  | 50702  | 24421 | 20047 | 17532 |
| 65° | 43685  | 37777  | 21476 | 18501 | 15567 |
| 70° | 29306  | 26537  | 16466 | 16466 | 12790 |
| 75° | 15704  | 15704  | 10913 | 10913 | 9649  |
| 80° | 3570   | 7240   | 5455  | 7240  | 9025  |
| 85° | 0      | 3557   | 3557  | 7114  | 7114  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 126164 cd/sqm

TEST NUMBER: P1310638

CATALOG NUMBER: P3SQAS20R709040D010 E3SQCLSWW1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.5   | 4.0       |
| 10°-20°   | 107.9  | 12.3      |
| 20°-30°   | 166.3  | 18.9      |
| 30°-40°   | 188.7  | 21.5      |
| 40°-50°   | 170.7  | 19.4      |
| 50°-60°   | 119.4  | 13.6      |
| 60°-70°   | 65.6   | 7.5       |
| 70°-80°   | 21.9   | 2.5       |
| 80°-90°   | 2.9    | 0.3       |
| 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°    | 309.7  | 35.2      |
| 0°-40°    | 498.4  | 56.7      |
| 0°-60°    | 788.5  | 89.7      |
| 0°-90°    | 879.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 879.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 360 | 360 | 360 | 360  | 360  |      |
| 5°  | 480 | 438 | 356 | 298  | 278  | 49   |
| 15° | 687 | 558 | 320 | 207  | 180  | 196  |
| 25° | 778 | 576 | 262 | 149  | 129  | 357  |
| 35° | 705 | 487 | 200 | 113  | 98   | 438  |
| 45° | 518 | 349 | 142 | 89   | 80   | 392  |
| 55° | 249 | 216 | 91  | 69   | 60   | 229  |
| 65° | 107 | 93  | 53  | 45   | 38   | 107  |
| 75° | 24  | 24  | 16  | 16   | 14   | 27   |
| 85° | 0   | 2   | 2   | 4    | 4    | 1    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1310638

CATALOG NUMBER: P3SQAS20R709040D010 E3SQCLSWW1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 | 359.9 |
| 2.5°  | 410.8 | 414.4 | 416.2 | 412.6 | 410.8 | 409.0 | 405.3 | 403.5 | 399.9 | 396.2 | 394.4 |
| 5°    | 479.8 | 479.8 | 479.8 | 476.2 | 470.8 | 467.1 | 459.9 | 454.4 | 445.3 | 438.0 | 430.8 |
| 7.5°  | 541.6 | 541.6 | 539.8 | 534.4 | 530.7 | 521.7 | 512.6 | 505.3 | 490.8 | 479.8 | 465.3 |
| 10°   | 592.5 | 592.5 | 590.7 | 581.6 | 576.2 | 565.3 | 556.2 | 543.5 | 528.9 | 514.4 | 498.0 |
| 12.5° | 641.6 | 641.6 | 634.3 | 627.1 | 616.2 | 601.6 | 588.9 | 576.2 | 556.2 | 539.8 | 519.8 |
| 15°   | 687.1 | 687.1 | 683.4 | 670.7 | 656.2 | 639.8 | 621.6 | 603.4 | 579.8 | 558.0 | 536.2 |
| 17.5° | 727.0 | 725.2 | 719.8 | 705.2 | 690.7 | 670.7 | 648.9 | 627.1 | 598.0 | 572.5 | 545.3 |
| 20°   | 754.3 | 754.3 | 747.0 | 730.7 | 714.3 | 692.5 | 668.9 | 643.4 | 612.5 | 581.6 | 548.9 |
| 22.5° | 772.5 | 770.7 | 763.4 | 747.0 | 727.0 | 705.2 | 678.0 | 650.7 | 616.2 | 581.6 | 547.1 |
| 25°   | 777.9 | 776.1 | 768.8 | 750.7 | 730.7 | 707.1 | 678.0 | 648.9 | 612.5 | 576.2 | 538.0 |
| 27.5° | 774.3 | 772.5 | 765.2 | 745.2 | 725.2 | 698.0 | 668.9 | 638.0 | 601.6 | 563.5 | 525.3 |
| 30°   | 763.4 | 757.9 | 750.7 | 732.5 | 710.7 | 683.4 | 652.5 | 618.0 | 581.6 | 541.6 | 503.5 |
| 32.5° | 736.1 | 736.1 | 727.0 | 708.9 | 687.1 | 658.0 | 627.1 | 594.4 | 554.4 | 516.2 | 476.2 |
| 35°   | 705.2 | 703.4 | 696.1 | 676.2 | 656.2 | 628.9 | 598.0 | 563.5 | 525.3 | 487.1 | 449.0 |
| 37.5° | 667.1 | 665.2 | 658.0 | 639.8 | 618.0 | 592.5 | 559.8 | 527.1 | 490.8 | 452.6 | 418.1 |
| 40°   | 625.3 | 621.6 | 612.5 | 598.0 | 579.8 | 550.7 | 521.7 | 488.9 | 454.4 | 419.9 | 385.3 |
| 42.5° | 578.0 | 574.4 | 567.1 | 556.2 | 534.4 | 508.9 | 481.7 | 450.8 | 418.1 | 383.5 | 358.1 |
| 45°   | 518.0 | 518.0 | 514.4 | 503.5 | 487.1 | 467.1 | 438.0 | 410.8 | 379.9 | 349.0 | 321.7 |
| 47.5° | 443.5 | 447.1 | 445.3 | 439.9 | 432.6 | 414.4 | 394.4 | 370.8 | 341.7 | 314.4 | 289.0 |
| 50°   | 378.1 | 379.9 | 381.7 | 378.1 | 372.6 | 359.9 | 347.2 | 332.6 | 307.2 | 281.7 | 258.1 |
| 52.5° | 303.5 | 309.0 | 309.0 | 310.8 | 310.8 | 307.2 | 303.5 | 287.2 | 274.5 | 249.0 | 227.2 |
| 55°   | 249.0 | 249.0 | 249.0 | 252.6 | 254.5 | 256.3 | 252.6 | 249.0 | 234.5 | 216.3 | 196.3 |
| 57.5° | 203.6 | 203.6 | 207.2 | 205.4 | 205.4 | 209.0 | 209.0 | 207.2 | 198.1 | 181.8 | 163.6 |
| 60°   | 167.2 | 167.2 | 167.2 | 167.2 | 169.0 | 169.0 | 169.0 | 169.0 | 161.8 | 147.2 | 132.7 |
| 62.5° | 134.5 | 134.5 | 134.5 | 136.3 | 136.3 | 136.3 | 138.1 | 136.3 | 129.1 | 118.1 | 105.4 |
| 65°   | 107.2 | 105.4 | 107.2 | 107.2 | 109.1 | 109.1 | 109.1 | 107.2 | 100.0 | 92.7  | 83.6  |
| 67.5° | 80.0  | 81.8  | 81.8  | 81.8  | 83.6  | 85.4  | 83.6  | 81.8  | 76.3  | 69.1  | 65.4  |
| 70°   | 58.2  | 60.0  | 60.0  | 60.0  | 61.8  | 63.6  | 61.8  | 60.0  | 56.3  | 52.7  | 49.1  |
| 72.5° | 38.2  | 40.0  | 40.0  | 41.8  | 43.6  | 43.6  | 41.8  | 41.8  | 40.0  | 36.4  | 34.5  |
| 75°   | 23.6  | 23.6  | 25.4  | 25.4  | 27.3  | 27.3  | 27.3  | 25.4  | 25.4  | 23.6  | 23.6  |
| 77.5° | 10.9  | 10.9  | 12.7  | 12.7  | 12.7  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 12.7  |
| 80°   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 5.5   | 5.5   | 5.5   | 7.3   | 7.3   | 7.3   |
| 82.5° | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 3.6   | 3.6   | 3.6   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.8   | 1.8   | 1.8   | 1.8   |
| 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: P1310638

CATALOG NUMBER: P3SQAS20R709040D010 E3SQCLSWW1MW

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 359.9 | 359.9 | 359.9 | 359.9 | 359.9  | 359.9 | 359.9  | 359.9 |
| 2.5°  | 390.8 | 385.3 | 378.1 | 359.9 | 341.7  | 327.2 | 318.1  | 316.3 |
| 5°    | 421.7 | 412.6 | 396.2 | 356.3 | 323.5  | 298.1 | 283.5  | 278.1 |
| 7.5°  | 452.6 | 436.2 | 412.6 | 350.8 | 301.7  | 270.8 | 254.5  | 247.2 |
| 10°   | 478.0 | 458.0 | 427.1 | 343.5 | 283.5  | 247.2 | 227.2  | 221.7 |
| 12.5° | 498.0 | 474.4 | 436.2 | 332.6 | 265.4  | 225.4 | 205.4  | 199.9 |
| 15°   | 510.7 | 485.3 | 441.7 | 319.9 | 247.2  | 207.2 | 187.2  | 179.9 |
| 17.5° | 516.2 | 485.3 | 439.9 | 307.2 | 230.8  | 190.8 | 170.9  | 165.4 |
| 20°   | 516.2 | 481.7 | 434.4 | 292.6 | 214.5  | 174.5 | 156.3  | 150.9 |
| 22.5° | 510.7 | 474.4 | 421.7 | 276.3 | 199.9  | 161.8 | 143.6  | 138.1 |
| 25°   | 499.8 | 459.9 | 407.1 | 261.7 | 185.4  | 149.0 | 132.7  | 129.1 |
| 27.5° | 483.5 | 443.5 | 389.0 | 247.2 | 172.7  | 138.1 | 123.6  | 120.0 |
| 30°   | 463.5 | 423.5 | 369.0 | 229.0 | 159.9  | 129.1 | 116.3  | 110.9 |
| 32.5° | 438.0 | 399.9 | 347.2 | 214.5 | 149.0  | 120.0 | 109.1  | 105.4 |
| 35°   | 410.8 | 376.2 | 323.5 | 199.9 | 138.1  | 112.7 | 101.8  | 98.2  |
| 37.5° | 383.5 | 347.2 | 303.5 | 183.6 | 129.1  | 105.4 | 96.3   | 92.7  |
| 40°   | 354.4 | 327.2 | 281.7 | 169.0 | 121.8  | 100.0 | 90.9   | 89.1  |
| 42.5° | 325.4 | 296.3 | 250.8 | 156.3 | 112.7  | 92.7  | 85.4   | 83.6  |
| 45°   | 290.8 | 263.6 | 227.2 | 141.8 | 105.4  | 89.1  | 81.8   | 80.0  |
| 47.5° | 261.7 | 236.3 | 203.6 | 129.1 | 98.2   | 83.6  | 76.3   | 74.5  |
| 50°   | 234.5 | 209.0 | 178.1 | 114.5 | 90.9   | 78.2  | 72.7   | 69.1  |
| 52.5° | 203.6 | 181.8 | 154.5 | 101.8 | 83.6   | 72.7  | 67.3   | 65.4  |
| 55°   | 176.3 | 154.5 | 129.1 | 90.9  | 76.3   | 69.1  | 61.8   | 60.0  |
| 57.5° | 145.4 | 127.2 | 109.1 | 80.0  | 69.1   | 61.8  | 58.2   | 54.5  |
| 60°   | 118.1 | 105.4 | 92.7  | 70.9  | 61.8   | 58.2  | 52.7   | 50.9  |
| 62.5° | 96.3  | 87.2  | 78.2  | 61.8  | 54.5   | 50.9  | 47.3   | 43.6  |
| 65°   | 76.3  | 70.9  | 63.6  | 52.7  | 47.3   | 45.4  | 41.8   | 38.2  |
| 67.5° | 60.0  | 56.3  | 50.9  | 41.8  | 40.0   | 38.2  | 34.5   | 30.9  |
| 70°   | 45.4  | 43.6  | 40.0  | 32.7  | 30.9   | 32.7  | 29.1   | 25.4  |
| 72.5° | 32.7  | 30.9  | 29.1  | 23.6  | 23.6   | 23.6  | 21.8   | 18.2  |
| 75°   | 21.8  | 20.0  | 18.2  | 16.4  | 16.4   | 16.4  | 16.4   | 14.5  |
| 77.5° | 12.7  | 12.7  | 10.9  | 9.1   | 10.9   | 10.9  | 12.7   | 12.7  |
| 80°   | 5.5   | 5.5   | 5.5   | 5.5   | 7.3    | 7.3   | 9.1    | 9.1   |
| 82.5° | 3.6   | 3.6   | 3.6   | 3.6   | 5.5    | 5.5   | 5.5    | 5.5   |
| 85°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8    | 3.6   | 3.6    | 3.6   |
| 87.5° | 1.8   | 1.8   | 1.8   | 1.8   | 1.8    | 1.8   | 1.8    | 1.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)