

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: P1310782

Luminaire Tested: P3SQAS24R709040D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R709040D010 E3SQCLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

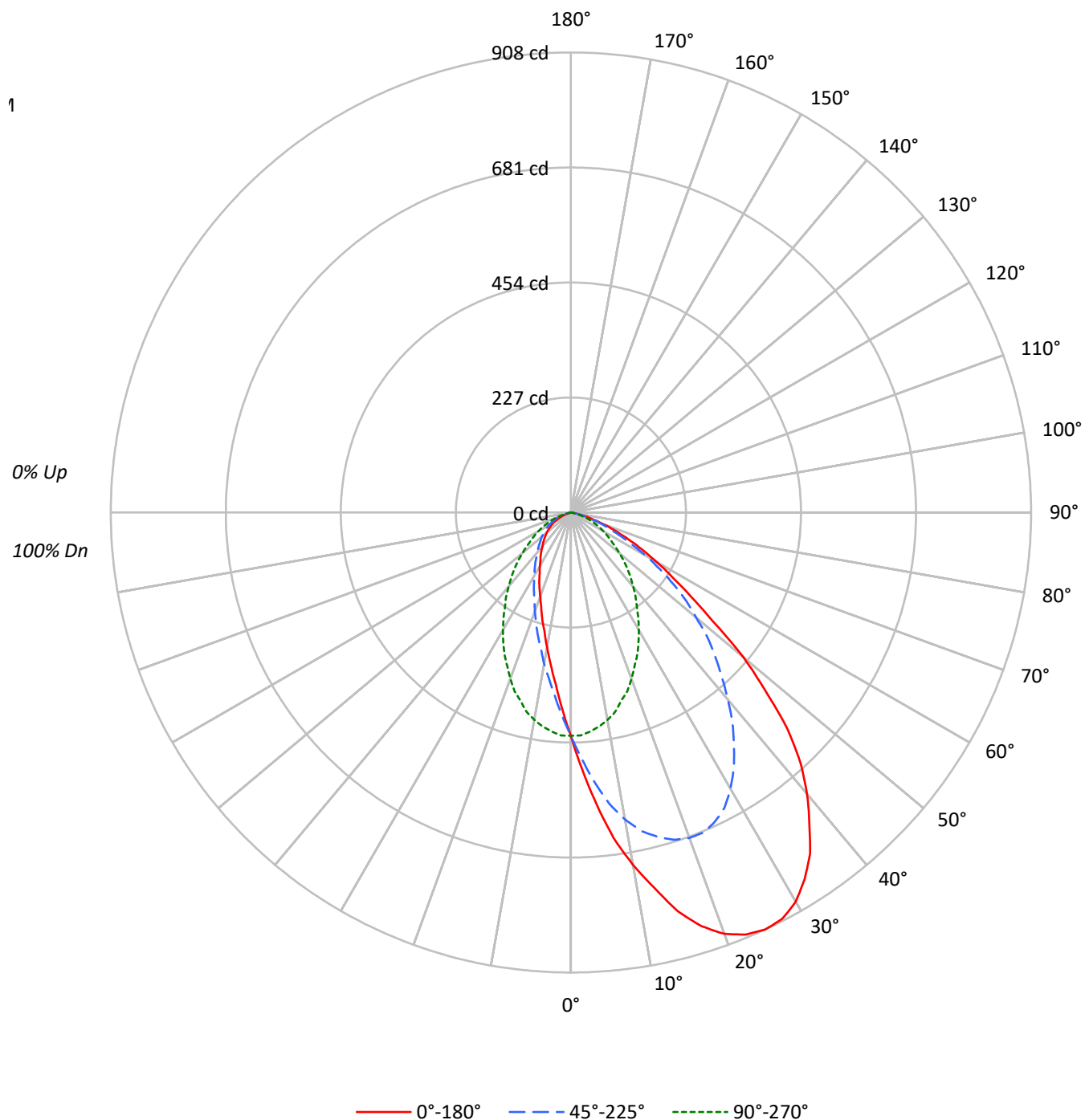
Lumens per Lamp: N/A  
Luminaire Lumens: 988.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1310782

CATALOG NUMBER: P3SQAS24R709040D010 E3SQCLSWW1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1310782

CATALOG NUMBER: P3SQAS24R709040D010 E3SQCLSWW1MB

**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 | 100 |    |    |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 90  | 89  |    |    |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 70  | 76  | 73  | 69  | 67  |    |    |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |
| 6   | 75  | 64  | 55  | 50  | 74  | 63  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 49  | 58  | 52  | 48  | 46  |    |    |
| 7   | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 42  |    |    |
| 8   | 66  | 53  | 45  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 38  |    |    |
| 9   | 62  | 49  | 41  | 36  | 60  | 49  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |    |    |
| 10  | 58  | 45  | 38  | 33  | 57  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 33  | 42  | 37  | 33  | 31  |    |    |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 75864  | 75864  | 75864 | 75864 | 75864 |
| 5°  | 99856  | 92318  | 75065 | 62859 | 58918 |
| 10° | 123535 | 107551 | 72680 | 53058 | 47235 |
| 15° | 145224 | 118176 | 68538 | 44824 | 38905 |
| 20° | 162217 | 125287 | 63981 | 38085 | 32366 |
| 25° | 172544 | 127926 | 58832 | 32780 | 28029 |
| 30° | 176434 | 125206 | 53296 | 28517 | 24381 |
| 35° | 172990 | 117947 | 47620 | 25776 | 21844 |
| 40° | 163017 | 108364 | 42986 | 23359 | 19627 |
| 45° | 147256 | 98179  | 38458 | 21263 | 18218 |
| 50° | 119122 | 86301  | 33411 | 20041 | 16692 |
| 55° | 86715  | 74255  | 28705 | 18706 | 14983 |
| 60° | 67270  | 58693  | 25765 | 17188 | 13606 |
| 65° | 50817  | 42341  | 21150 | 15241 | 10147 |
| 70° | 35550  | 30364  | 15711 | 11531 | 6294  |
| 75° | 20761  | 17966  | 8318  | 5523  | 1397  |
| 80° | 4166   | 6149   | 2083  | 0     | 0     |
| 85° | 0      | 0      | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 147256 cd/sqm

TEST NUMBER: P1310782

CATALOG NUMBER: P3SQAS24R709040D010 E3SQCLSWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.1   | 4.4       |
| 10°-20°   | 128.4  | 13.0      |
| 20°-30°   | 193.5  | 19.6      |
| 30°-40°   | 215.1  | 21.8      |
| 40°-50°   | 190.7  | 19.3      |
| 50°-60°   | 129.4  | 13.1      |
| 60°-70°   | 67.9   | 6.9       |
| 70°-80°   | 19.3   | 2.0       |
| 80°-90°   | 0.6    | 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°    | 365.0  | 36.9      |
| 0°-40°    | 580.2  | 58.7      |
| 0°-60°    | 900.3  | 91.1      |
| 0°-90°    | 988.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 988.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 440 | 440 | 440 | 440  | 440  |      |
| 5°  | 578 | 534 | 434 | 364  | 341  | 59   |
| 15° | 814 | 663 | 384 | 251  | 218  | 231  |
| 25° | 908 | 673 | 310 | 172  | 148  | 417  |
| 35° | 823 | 561 | 226 | 123  | 104  | 510  |
| 45° | 605 | 403 | 158 | 87   | 75   | 458  |
| 55° | 289 | 247 | 96  | 62   | 50   | 267  |
| 65° | 125 | 104 | 52  | 37   | 25   | 126  |
| 75° | 31  | 27  | 12  | 8    | 2    | 34   |
| 85° | 0   | 0   | 0   | 0    | 0    | 1    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1310782

CATALOG NUMBER: P3SQAS24R709040D010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 | 440.5 |
| 2.5°  | 507.0 | 504.9 | 502.8 | 502.8 | 500.7 | 498.7 | 494.5 | 494.5 | 490.3 | 486.2 | 482.0 |
| 5°    | 577.6 | 577.6 | 577.6 | 571.4 | 571.4 | 563.1 | 558.9 | 550.6 | 542.3 | 534.0 | 523.6 |
| 7.5°  | 648.3 | 648.3 | 642.0 | 639.9 | 633.7 | 625.4 | 619.2 | 606.7 | 592.2 | 579.7 | 563.1 |
| 10°   | 706.4 | 706.4 | 700.2 | 696.0 | 683.6 | 675.3 | 662.8 | 648.3 | 633.7 | 615.0 | 594.2 |
| 12.5° | 758.4 | 760.5 | 752.1 | 743.8 | 731.4 | 718.9 | 702.3 | 683.6 | 664.9 | 644.1 | 617.1 |
| 15°   | 814.5 | 812.4 | 802.0 | 791.6 | 777.1 | 758.4 | 737.6 | 712.7 | 687.7 | 662.8 | 633.7 |
| 17.5° | 856.0 | 854.0 | 843.6 | 831.1 | 812.4 | 789.5 | 766.7 | 737.6 | 708.5 | 677.3 | 642.0 |
| 20°   | 885.1 | 883.0 | 872.7 | 856.0 | 837.3 | 812.4 | 785.4 | 752.1 | 721.0 | 683.6 | 644.1 |
| 22.5° | 901.7 | 899.7 | 887.2 | 872.7 | 849.8 | 822.8 | 793.7 | 758.4 | 723.1 | 683.6 | 639.9 |
| 25°   | 908.0 | 903.8 | 891.4 | 874.7 | 851.9 | 822.8 | 789.5 | 752.1 | 714.7 | 673.2 | 627.5 |
| 27.5° | 903.8 | 899.7 | 885.1 | 866.4 | 841.5 | 808.2 | 775.0 | 737.6 | 698.1 | 656.6 | 608.8 |
| 30°   | 887.2 | 881.0 | 868.5 | 849.8 | 822.8 | 789.5 | 754.2 | 714.7 | 673.2 | 629.6 | 581.8 |
| 32.5° | 858.1 | 854.0 | 841.5 | 820.7 | 793.7 | 760.5 | 725.1 | 683.6 | 642.0 | 598.4 | 550.6 |
| 35°   | 822.8 | 814.5 | 802.0 | 783.3 | 756.3 | 723.1 | 687.7 | 644.1 | 604.6 | 561.0 | 515.3 |
| 37.5° | 772.9 | 770.8 | 756.3 | 741.8 | 714.7 | 679.4 | 646.2 | 604.6 | 565.1 | 523.6 | 477.9 |
| 40°   | 725.1 | 721.0 | 708.5 | 691.9 | 664.9 | 633.7 | 598.4 | 561.0 | 521.5 | 482.0 | 440.5 |
| 42.5° | 671.1 | 664.9 | 656.6 | 639.9 | 615.0 | 583.8 | 550.6 | 513.2 | 477.9 | 440.5 | 403.1 |
| 45°   | 604.6 | 602.5 | 592.2 | 583.8 | 561.0 | 534.0 | 500.7 | 467.5 | 432.2 | 403.1 | 374.0 |
| 47.5° | 519.4 | 517.4 | 515.3 | 509.0 | 496.6 | 477.9 | 452.9 | 421.8 | 394.8 | 365.7 | 326.2 |
| 50°   | 444.6 | 442.6 | 438.4 | 436.3 | 425.9 | 415.6 | 396.9 | 378.2 | 355.3 | 322.1 | 290.9 |
| 52.5° | 353.2 | 355.3 | 361.5 | 363.6 | 361.5 | 353.2 | 344.9 | 338.7 | 307.5 | 286.7 | 257.6 |
| 55°   | 288.8 | 288.8 | 286.7 | 288.8 | 290.9 | 295.0 | 295.0 | 286.7 | 266.0 | 247.3 | 222.3 |
| 57.5° | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 238.9 | 238.9 | 236.9 | 226.5 | 207.8 | 184.9 |
| 60°   | 195.3 | 193.2 | 193.2 | 195.3 | 193.2 | 193.2 | 195.3 | 195.3 | 184.9 | 170.4 | 149.6 |
| 62.5° | 157.9 | 157.9 | 157.9 | 155.8 | 155.8 | 157.9 | 157.9 | 155.8 | 147.5 | 133.0 | 118.4 |
| 65°   | 124.7 | 124.7 | 124.7 | 124.7 | 124.7 | 126.7 | 124.7 | 122.6 | 114.3 | 103.9 | 93.5  |
| 67.5° | 95.6  | 95.6  | 97.7  | 95.6  | 97.7  | 97.7  | 97.7  | 93.5  | 87.3  | 79.0  | 72.7  |
| 70°   | 70.6  | 70.6  | 70.6  | 72.7  | 74.8  | 74.8  | 72.7  | 68.6  | 64.4  | 60.3  | 54.0  |
| 72.5° | 47.8  | 49.9  | 49.9  | 49.9  | 51.9  | 51.9  | 49.9  | 47.8  | 45.7  | 41.6  | 39.5  |
| 75°   | 31.2  | 29.1  | 31.2  | 31.2  | 33.2  | 33.2  | 31.2  | 31.2  | 29.1  | 27.0  | 24.9  |
| 77.5° | 14.5  | 14.5  | 16.6  | 16.6  | 16.6  | 16.6  | 16.6  | 16.6  | 16.6  | 14.5  | 14.5  |
| 80°   | 4.2   | 4.2   | 4.2   | 6.2   | 6.2   | 6.2   | 6.2   | 6.2   | 6.2   | 6.2   | 6.2   |
| 82.5° | 0.0   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
| 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: P1310782

CATALOG NUMBER: P3SQAS24R709040D010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 440.5 | 440.5 | 440.5 | 440.5 | 440.5  | 440.5 | 440.5  | 440.5 |
| 2.5°  | 477.9 | 471.6 | 463.3 | 440.5 | 419.7  | 401.0 | 390.6  | 388.5 |
| 5°    | 511.1 | 502.8 | 482.0 | 434.2 | 394.8  | 363.6 | 344.9  | 340.8 |
| 7.5°  | 546.4 | 529.8 | 500.7 | 425.9 | 369.8  | 330.4 | 309.6  | 303.4 |
| 10°   | 573.5 | 552.7 | 513.2 | 415.6 | 344.9  | 303.4 | 278.4  | 270.1 |
| 12.5° | 592.2 | 567.2 | 523.6 | 403.1 | 324.1  | 274.3 | 249.3  | 241.0 |
| 15°   | 602.5 | 575.5 | 525.7 | 384.4 | 299.2  | 251.4 | 224.4  | 218.2 |
| 17.5° | 606.7 | 575.5 | 521.5 | 369.8 | 276.3  | 228.6 | 203.6  | 195.3 |
| 20°   | 604.6 | 567.2 | 511.1 | 349.1 | 255.6  | 207.8 | 182.8  | 176.6 |
| 22.5° | 596.3 | 554.8 | 494.5 | 328.3 | 234.8  | 187.0 | 166.2  | 162.1 |
| 25°   | 583.8 | 538.1 | 475.8 | 309.6 | 216.1  | 172.5 | 151.7  | 147.5 |
| 27.5° | 563.1 | 517.4 | 450.9 | 288.8 | 199.5  | 157.9 | 139.2  | 133.0 |
| 30°   | 536.1 | 492.4 | 425.9 | 268.0 | 182.8  | 143.4 | 126.7  | 122.6 |
| 32.5° | 507.0 | 463.3 | 401.0 | 247.3 | 168.3  | 133.0 | 116.4  | 112.2 |
| 35°   | 473.7 | 432.2 | 369.8 | 226.5 | 153.8  | 122.6 | 106.0  | 103.9 |
| 37.5° | 440.5 | 398.9 | 342.8 | 209.9 | 141.3  | 112.2 | 97.7   | 95.6  |
| 40°   | 403.1 | 369.8 | 328.3 | 191.2 | 130.9  | 103.9 | 91.4   | 87.3  |
| 42.5° | 380.2 | 334.5 | 282.6 | 174.5 | 120.5  | 95.6  | 83.1   | 81.0  |
| 45°   | 330.4 | 297.1 | 255.6 | 157.9 | 110.1  | 87.3  | 76.9   | 74.8  |
| 47.5° | 297.1 | 268.0 | 228.6 | 141.3 | 101.8  | 81.0  | 70.6   | 68.6  |
| 50°   | 263.9 | 236.9 | 199.5 | 124.7 | 93.5   | 74.8  | 64.4   | 62.3  |
| 52.5° | 230.6 | 203.6 | 170.4 | 110.1 | 83.1   | 68.6  | 58.2   | 56.1  |
| 55°   | 197.4 | 172.5 | 141.3 | 95.6  | 74.8   | 62.3  | 54.0   | 49.9  |
| 57.5° | 162.1 | 141.3 | 120.5 | 85.2  | 66.5   | 56.1  | 47.8   | 43.6  |
| 60°   | 130.9 | 118.4 | 101.8 | 74.8  | 58.2   | 49.9  | 41.6   | 39.5  |
| 62.5° | 106.0 | 95.6  | 85.2  | 64.4  | 51.9   | 43.6  | 37.4   | 31.2  |
| 65°   | 85.2  | 79.0  | 70.6  | 51.9  | 43.6   | 37.4  | 31.2   | 24.9  |
| 67.5° | 66.5  | 62.3  | 56.1  | 43.6  | 35.3   | 31.2  | 22.9   | 18.7  |
| 70°   | 51.9  | 47.8  | 43.6  | 31.2  | 27.0   | 22.9  | 16.6   | 12.5  |
| 72.5° | 37.4  | 33.2  | 31.2  | 22.9  | 18.7   | 16.6  | 10.4   | 6.2   |
| 75°   | 22.9  | 22.9  | 18.7  | 12.5  | 10.4   | 8.3   | 4.2    | 2.1   |
| 77.5° | 12.5  | 12.5  | 10.4  | 6.2   | 6.2    | 2.1   | 0.0    | 0.0   |
| 80°   | 6.2   | 4.2   | 4.2   | 2.1   | 2.1    | 0.0   | 0.0    | 0.0   |
| 82.5° | 2.1   | 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   |
| 87.5° | 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   |

(END OF REPORT)