

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: P1311569

Luminaire Tested: P3SQAS17R709050DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311569  
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: P3SQAS17R709050DE010 E3SQCLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC  
Light Source: -  
Ballast/Driver: -

**Summary**

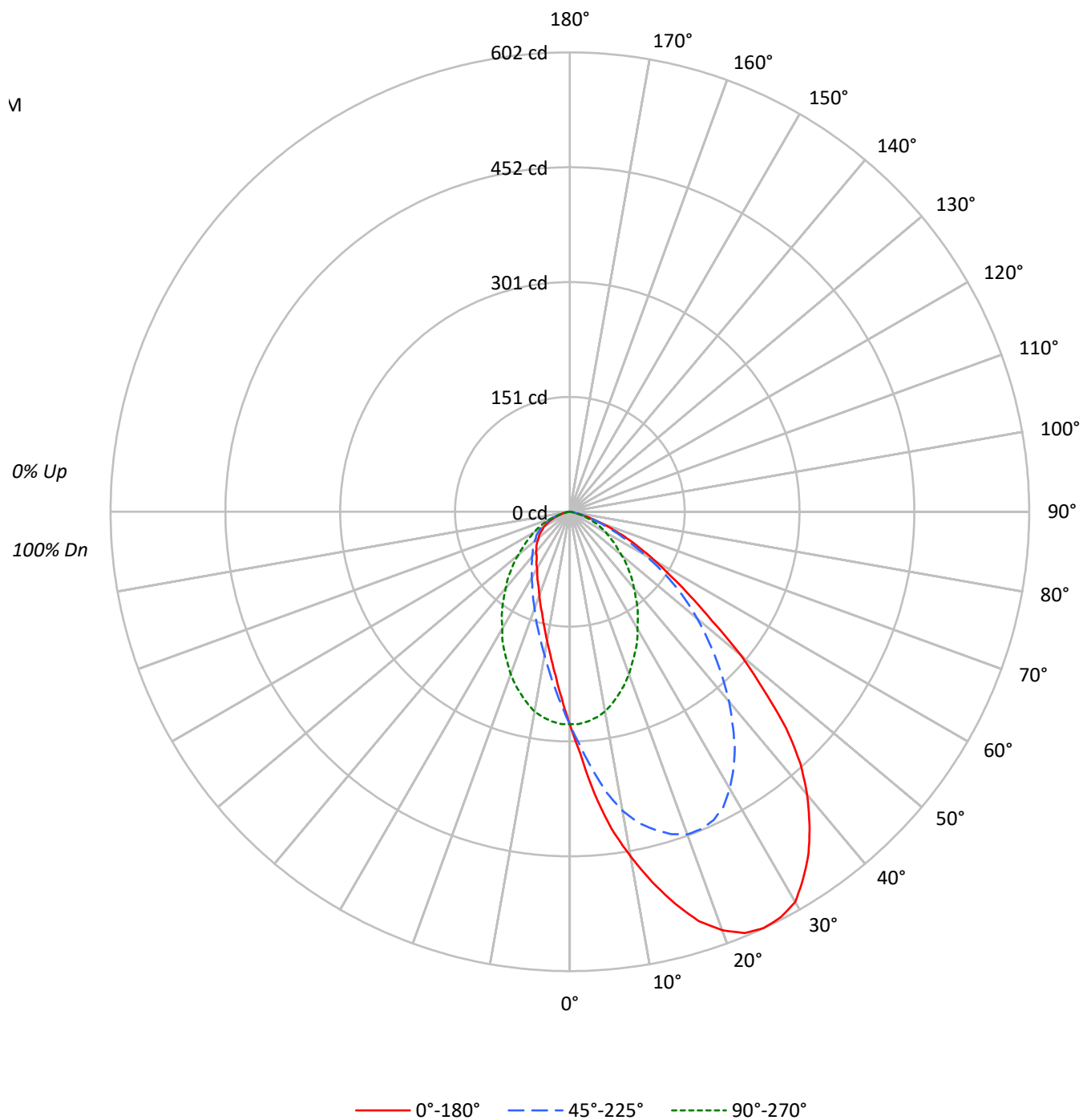
Lumens per Lamp: N/A  
Luminaire Lumens: 680.0 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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### Luminous Intensity Polar Plot



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**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 88  | 88  |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 76  | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  | 66  |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 73  | 66  | 61  | 70  | 65  | 60  | 68  | 64  | 60  | 58  | 58  |
| 5   | 80  | 69  | 61  | 55  | 78  | 68  | 60  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 51  | 51  |
| 6   | 75  | 62  | 54  | 48  | 73  | 62  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 45  | 45  |
| 7   | 69  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 40  | 40  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 36  | 36  |
| 9   | 61  | 48  | 40  | 35  | 59  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  | 33  |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 30  | 30  |

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

|     | 0°     | 45°   | 90°   | 135°  | 180°  |
|-----|--------|-------|-------|-------|-------|
| 0°  | 47947  | 47947 | 47947 | 47947 | 47947 |
| 5°  | 64173  | 58589 | 47646 | 39866 | 37187 |
| 10° | 80165  | 69585 | 46483 | 33437 | 29992 |
| 15° | 94765  | 76971 | 44129 | 28581 | 24819 |
| 20° | 106941 | 82474 | 41494 | 24742 | 21388 |
| 25° | 114358 | 84695 | 38480 | 21910 | 18965 |
| 30° | 117450 | 83325 | 35239 | 19847 | 17063 |
| 35° | 114710 | 79220 | 32525 | 18333 | 15958 |
| 40° | 108746 | 73022 | 29407 | 17379 | 15490 |
| 45° | 97594  | 65761 | 26718 | 16781 | 15076 |
| 50° | 78370  | 58382 | 23739 | 16210 | 14308 |
| 55° | 57830  | 50234 | 21108 | 16034 | 13932 |
| 60° | 44571  | 39232 | 18876 | 15500 | 13571 |
| 65° | 33824  | 29219 | 16627 | 14344 | 12022 |
| 70° | 22660  | 20545 | 12740 | 12740 | 9920  |
| 75° | 12177  | 12177 | 8451  | 8451  | 7453  |
| 80° | 2777   | 5554  | 4166  | 5554  | 6943  |
| 85° | 0      | 2766  | 2766  | 5533  | 5533  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97594 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.5   | 4.0       |
| 10°-20°   | 83.5   | 12.3      |
| 20°-30°   | 128.6  | 18.9      |
| 30°-40°   | 146.0  | 21.5      |
| 40°-50°   | 132.1  | 19.4      |
| 50°-60°   | 92.4   | 13.6      |
| 60°-70°   | 50.8   | 7.5       |
| 70°-80°   | 17.0   | 2.5       |
| 80°-90°   | 2.2    | 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°    | 239.6  | 35.2      |
| 0°-40°    | 385.5  | 56.7      |
| 0°-60°    | 610.0  | 89.7      |
| 0°-90°    | 680.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 680.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 278 | 278 | 278 | 278  | 278  |      |
| 5°  | 371 | 339 | 276 | 231  | 215  | 38   |
| 15° | 532 | 432 | 248 | 160  | 139  | 151  |
| 25° | 602 | 446 | 202 | 115  | 100  | 276  |
| 35° | 546 | 377 | 155 | 87   | 76   | 339  |
| 45° | 401 | 270 | 110 | 69   | 62   | 304  |
| 55° | 193 | 167 | 70  | 53   | 46   | 177  |
| 65° | 83  | 72  | 41  | 35   | 30   | 83   |
| 75° | 18  | 18  | 13  | 13   | 11   | 21   |
| 85° | 0   | 1   | 1   | 3    | 3    | 1    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 |
| 2.5°  | 317.8 | 320.6 | 322.0 | 319.2 | 317.8 | 316.4 | 313.6 | 312.2 | 309.3 | 306.5 | 305.1 |
| 5°    | 371.2 | 371.2 | 371.2 | 368.4 | 364.2 | 361.4 | 355.7 | 351.5 | 344.5 | 338.9 | 333.2 |
| 7.5°  | 419.0 | 419.0 | 417.6 | 413.4 | 410.6 | 403.6 | 396.5 | 390.9 | 379.7 | 371.2 | 360.0 |
| 10°   | 458.4 | 458.4 | 457.0 | 450.0 | 445.7 | 437.3 | 430.3 | 420.4 | 409.2 | 397.9 | 385.3 |
| 12.5° | 496.4 | 496.4 | 490.7 | 485.1 | 476.7 | 465.4 | 455.6 | 445.7 | 430.3 | 417.6 | 402.1 |
| 15°   | 531.5 | 531.5 | 528.7 | 518.9 | 507.6 | 495.0 | 480.9 | 466.8 | 448.6 | 431.7 | 414.8 |
| 17.5° | 562.4 | 561.0 | 556.8 | 545.6 | 534.3 | 518.9 | 502.0 | 485.1 | 462.6 | 442.9 | 421.8 |
| 20°   | 583.5 | 583.5 | 577.9 | 565.3 | 552.6 | 535.7 | 517.5 | 497.8 | 473.9 | 450.0 | 424.6 |
| 22.5° | 597.6 | 596.2 | 590.6 | 577.9 | 562.4 | 545.6 | 524.5 | 503.4 | 476.7 | 450.0 | 423.2 |
| 25°   | 601.8 | 600.4 | 594.8 | 580.7 | 565.3 | 547.0 | 524.5 | 502.0 | 473.9 | 445.7 | 416.2 |
| 27.5° | 599.0 | 597.6 | 592.0 | 576.5 | 561.0 | 539.9 | 517.5 | 493.5 | 465.4 | 435.9 | 406.4 |
| 30°   | 590.6 | 586.4 | 580.7 | 566.7 | 549.8 | 528.7 | 504.8 | 478.1 | 450.0 | 419.0 | 389.5 |
| 32.5° | 569.5 | 569.5 | 562.4 | 548.4 | 531.5 | 509.0 | 485.1 | 459.8 | 428.9 | 399.3 | 368.4 |
| 35°   | 545.6 | 544.2 | 538.5 | 523.1 | 507.6 | 486.5 | 462.6 | 435.9 | 406.4 | 376.8 | 347.3 |
| 37.5° | 516.0 | 514.6 | 509.0 | 495.0 | 478.1 | 458.4 | 433.1 | 407.8 | 379.7 | 350.1 | 323.4 |
| 40°   | 483.7 | 480.9 | 473.9 | 462.6 | 448.6 | 426.1 | 403.6 | 378.2 | 351.5 | 324.8 | 298.1 |
| 42.5° | 447.1 | 444.3 | 438.7 | 430.3 | 413.4 | 393.7 | 372.6 | 348.7 | 323.4 | 296.7 | 277.0 |
| 45°   | 400.7 | 400.7 | 397.9 | 389.5 | 376.8 | 361.4 | 338.9 | 317.8 | 293.9 | 270.0 | 248.9 |
| 47.5° | 343.1 | 345.9 | 344.5 | 340.3 | 334.7 | 320.6 | 305.1 | 286.8 | 264.3 | 243.3 | 223.6 |
| 50°   | 292.5 | 293.9 | 295.3 | 292.5 | 288.3 | 278.4 | 268.6 | 257.3 | 237.6 | 217.9 | 199.7 |
| 52.5° | 234.8 | 239.0 | 239.0 | 240.4 | 240.4 | 237.6 | 234.8 | 222.2 | 212.3 | 192.6 | 175.8 |
| 55°   | 192.6 | 192.6 | 192.6 | 195.5 | 196.9 | 198.3 | 195.5 | 192.6 | 181.4 | 167.3 | 151.9 |
| 57.5° | 157.5 | 157.5 | 160.3 | 158.9 | 158.9 | 161.7 | 161.7 | 160.3 | 153.3 | 140.6 | 126.6 |
| 60°   | 129.4 | 129.4 | 129.4 | 129.4 | 130.8 | 130.8 | 130.8 | 130.8 | 125.1 | 113.9 | 102.6 |
| 62.5° | 104.1 | 104.1 | 104.1 | 105.5 | 105.5 | 105.5 | 106.9 | 105.5 | 99.8  | 91.4  | 81.6  |
| 65°   | 83.0  | 81.6  | 83.0  | 83.0  | 84.4  | 84.4  | 84.4  | 83.0  | 77.3  | 71.7  | 64.7  |
| 67.5° | 61.9  | 63.3  | 63.3  | 63.3  | 64.7  | 66.1  | 64.7  | 63.3  | 59.1  | 53.4  | 50.6  |
| 70°   | 45.0  | 46.4  | 46.4  | 46.4  | 47.8  | 49.2  | 47.8  | 46.4  | 43.6  | 40.8  | 38.0  |
| 72.5° | 29.5  | 30.9  | 30.9  | 32.3  | 33.7  | 33.7  | 32.3  | 32.3  | 30.9  | 28.1  | 26.7  |
| 75°   | 18.3  | 18.3  | 19.7  | 19.7  | 21.1  | 21.1  | 21.1  | 19.7  | 19.7  | 18.3  | 18.3  |
| 77.5° | 8.4   | 8.4   | 9.8   | 9.8   | 9.8   | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 9.8   |
| 80°   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 4.2   | 4.2   | 4.2   | 5.6   | 5.6   | 5.6   |
| 82.5° | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 2.8   | 2.8   | 2.8   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.4   | 1.4   | 1.4   | 1.4   |
| 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):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 278.4 | 278.4 | 278.4 | 278.4 | 278.4  | 278.4 | 278.4  | 278.4 |
| 2.5°  | 302.3 | 298.1 | 292.5 | 278.4 | 264.3  | 253.1 | 246.1  | 244.7 |
| 5°    | 326.2 | 319.2 | 306.5 | 275.6 | 250.3  | 230.6 | 219.4  | 215.1 |
| 7.5°  | 350.1 | 337.5 | 319.2 | 271.4 | 233.4  | 209.5 | 196.9  | 191.2 |
| 10°   | 369.8 | 354.3 | 330.4 | 265.8 | 219.4  | 191.2 | 175.8  | 171.5 |
| 12.5° | 385.3 | 367.0 | 337.5 | 257.3 | 205.3  | 174.4 | 158.9  | 154.7 |
| 15°   | 395.1 | 375.4 | 341.7 | 247.5 | 191.2  | 160.3 | 144.8  | 139.2 |
| 17.5° | 399.3 | 375.4 | 340.3 | 237.6 | 178.6  | 147.6 | 132.2  | 128.0 |
| 20°   | 399.3 | 372.6 | 336.1 | 226.4 | 165.9  | 135.0 | 120.9  | 116.7 |
| 22.5° | 395.1 | 367.0 | 326.2 | 213.7 | 154.7  | 125.1 | 111.1  | 106.9 |
| 25°   | 386.7 | 355.7 | 315.0 | 202.5 | 143.4  | 115.3 | 102.6  | 99.8  |
| 27.5° | 374.0 | 343.1 | 300.9 | 191.2 | 133.6  | 106.9 | 95.6   | 92.8  |
| 30°   | 358.6 | 327.6 | 285.4 | 177.2 | 123.7  | 99.8  | 90.0   | 85.8  |
| 32.5° | 338.9 | 309.3 | 268.6 | 165.9 | 115.3  | 92.8  | 84.4   | 81.6  |
| 35°   | 317.8 | 291.1 | 250.3 | 154.7 | 106.9  | 87.2  | 78.7   | 75.9  |
| 37.5° | 296.7 | 268.6 | 234.8 | 142.0 | 99.8   | 81.6  | 74.5   | 71.7  |
| 40°   | 274.2 | 253.1 | 217.9 | 130.8 | 94.2   | 77.3  | 70.3   | 68.9  |
| 42.5° | 251.7 | 229.2 | 194.0 | 120.9 | 87.2   | 71.7  | 66.1   | 64.7  |
| 45°   | 225.0 | 203.9 | 175.8 | 109.7 | 81.6   | 68.9  | 63.3   | 61.9  |
| 47.5° | 202.5 | 182.8 | 157.5 | 99.8  | 75.9   | 64.7  | 59.1   | 57.7  |
| 50°   | 181.4 | 161.7 | 137.8 | 88.6  | 70.3   | 60.5  | 56.2   | 53.4  |
| 52.5° | 157.5 | 140.6 | 119.5 | 78.7  | 64.7   | 56.2  | 52.0   | 50.6  |
| 55°   | 136.4 | 119.5 | 99.8  | 70.3  | 59.1   | 53.4  | 47.8   | 46.4  |
| 57.5° | 112.5 | 98.4  | 84.4  | 61.9  | 53.4   | 47.8  | 45.0   | 42.2  |
| 60°   | 91.4  | 81.6  | 71.7  | 54.8  | 47.8   | 45.0  | 40.8   | 39.4  |
| 62.5° | 74.5  | 67.5  | 60.5  | 47.8  | 42.2   | 39.4  | 36.6   | 33.7  |
| 65°   | 59.1  | 54.8  | 49.2  | 40.8  | 36.6   | 35.2  | 32.3   | 29.5  |
| 67.5° | 46.4  | 43.6  | 39.4  | 32.3  | 30.9   | 29.5  | 26.7   | 23.9  |
| 70°   | 35.2  | 33.7  | 30.9  | 25.3  | 23.9   | 25.3  | 22.5   | 19.7  |
| 72.5° | 25.3  | 23.9  | 22.5  | 18.3  | 18.3   | 18.3  | 16.9   | 14.1  |
| 75°   | 16.9  | 15.5  | 14.1  | 12.7  | 12.7   | 12.7  | 12.7   | 11.2  |
| 77.5° | 9.8   | 9.8   | 8.4   | 7.0   | 8.4    | 8.4   | 9.8    | 9.8   |
| 80°   | 4.2   | 4.2   | 4.2   | 4.2   | 5.6    | 5.6   | 7.0    | 7.0   |
| 82.5° | 2.8   | 2.8   | 2.8   | 2.8   | 4.2    | 4.2   | 4.2    | 4.2   |
| 85°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4    | 2.8   | 2.8    | 2.8   |
| 87.5° | 1.4   | 1.4   | 1.4   | 1.4   | 1.4    | 1.4   | 1.4    | 1.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)