

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: P1306311

Luminaire Tested: P3SQAS20R709024D010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306311  
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: P3SQAS20R709024D010 E3SQCLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MMS TR  
Light Source: -  
Ballast/Driver: -

**Summary**

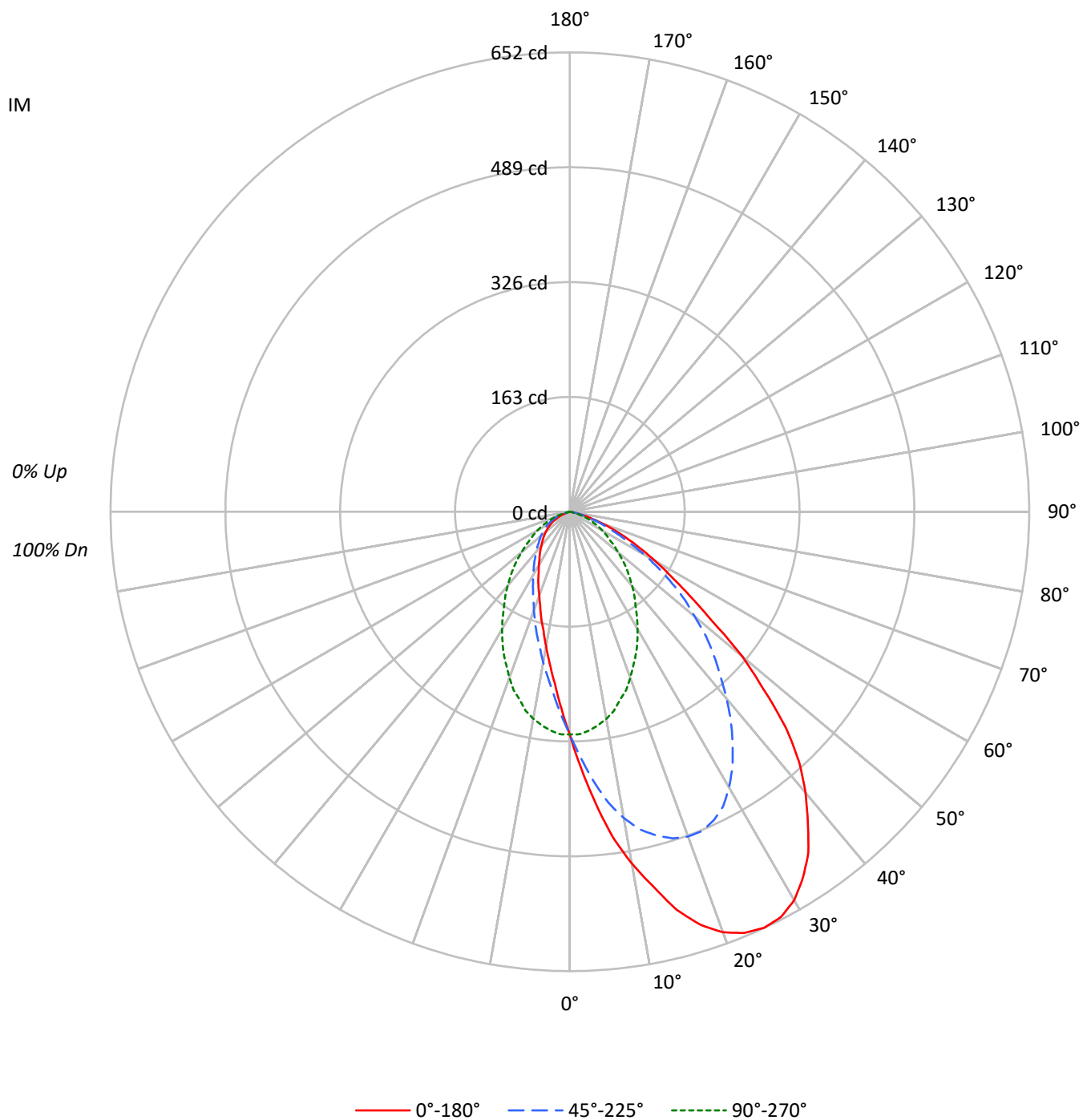
Lumens per Lamp: N/A  
Luminaire Lumens: 709.0 lumens  
Efficiency: N/A  
Efficacy: 24.6 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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 | 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  | 63  | 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°  | 54440  | 54440 | 54440 | 54440 | 54440 |
| 5°  | 71659  | 66248 | 53870 | 45105 | 42269 |
| 10° | 88646  | 77174 | 52149 | 38071 | 33892 |
| 15° | 104215 | 84799 | 49175 | 32165 | 27921 |
| 20° | 116417 | 89897 | 45911 | 27326 | 23221 |
| 25° | 123821 | 91802 | 42224 | 23525 | 20124 |
| 30° | 126618 | 89847 | 38242 | 20463 | 17500 |
| 35° | 124129 | 84645 | 34165 | 18502 | 15684 |
| 40° | 116997 | 77765 | 30845 | 16772 | 14074 |
| 45° | 105681 | 70462 | 27595 | 15247 | 13079 |
| 50° | 85497  | 61919 | 23980 | 14388 | 11977 |
| 55° | 62244  | 53266 | 20598 | 13422 | 10749 |
| 60° | 48291  | 42126 | 18497 | 12331 | 9748  |
| 65° | 36472  | 30401 | 15200 | 10921 | 7294  |
| 70° | 25530  | 21753 | 11279 | 8258  | 4482  |
| 75° | 14905  | 12909 | 5922  | 3993  | 998   |
| 80° | 2975   | 4463  | 1488  | 0     | 0     |
| 85° | 0      | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105681 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 30.9   | 4.4       |
| 10°-20°   | 92.2   | 13.0      |
| 20°-30°   | 138.9  | 19.6      |
| 30°-40°   | 154.4  | 21.8      |
| 40°-50°   | 136.8  | 19.3      |
| 50°-60°   | 92.9   | 13.1      |
| 60°-70°   | 48.7   | 6.9       |
| 70°-80°   | 13.8   | 2.0       |
| 80°-90°   | 0.4    | 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°    | 262.0  | 36.9      |
| 0°-40°    | 416.3  | 58.7      |
| 0°-60°    | 646.1  | 91.1      |
| 0°-90°    | 709.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 709.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 316 | 316 | 316 | 316  | 316  |      |
| 5°  | 414 | 383 | 312 | 261  | 244  | 42   |
| 15° | 584 | 476 | 276 | 180  | 157  | 166  |
| 25° | 652 | 483 | 222 | 124  | 106  | 299  |
| 35° | 590 | 403 | 162 | 88   | 75   | 366  |
| 45° | 434 | 289 | 113 | 63   | 54   | 329  |
| 55° | 207 | 177 | 69  | 45   | 36   | 191  |
| 65° | 90  | 75  | 37  | 27   | 18   | 90   |
| 75° | 22  | 19  | 9   | 6    | 2    | 25   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 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°    | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 | 316.1 |
| 2.5°  | 363.8 | 362.3 | 360.8 | 360.8 | 359.3 | 357.8 | 354.9 | 354.9 | 351.9 | 348.9 | 345.9 |
| 5°    | 414.5 | 414.5 | 414.5 | 410.0 | 410.0 | 404.1 | 401.1 | 395.1 | 389.2 | 383.2 | 375.7 |
| 7.5°  | 465.2 | 465.2 | 460.7 | 459.2 | 454.8 | 448.8 | 444.3 | 435.4 | 424.9 | 416.0 | 404.1 |
| 10°   | 506.9 | 506.9 | 502.5 | 499.5 | 490.5 | 484.6 | 475.6 | 465.2 | 454.8 | 441.3 | 426.4 |
| 12.5° | 544.2 | 545.7 | 539.7 | 533.8 | 524.8 | 515.9 | 504.0 | 490.5 | 477.1 | 462.2 | 442.8 |
| 15°   | 584.5 | 583.0 | 575.5 | 568.1 | 557.6 | 544.2 | 529.3 | 511.4 | 493.5 | 475.6 | 454.8 |
| 17.5° | 614.3 | 612.8 | 605.4 | 596.4 | 583.0 | 566.6 | 550.2 | 529.3 | 508.4 | 486.1 | 460.7 |
| 20°   | 635.2 | 633.7 | 626.2 | 614.3 | 600.9 | 583.0 | 563.6 | 539.7 | 517.4 | 490.5 | 462.2 |
| 22.5° | 647.1 | 645.6 | 636.7 | 626.2 | 609.8 | 590.4 | 569.6 | 544.2 | 518.9 | 490.5 | 459.2 |
| 25°   | 651.6 | 648.6 | 639.6 | 627.7 | 611.3 | 590.4 | 566.6 | 539.7 | 512.9 | 483.1 | 450.3 |
| 27.5° | 648.6 | 645.6 | 635.2 | 621.8 | 603.9 | 580.0 | 556.1 | 529.3 | 501.0 | 471.2 | 436.9 |
| 30°   | 636.7 | 632.2 | 623.2 | 609.8 | 590.4 | 566.6 | 541.2 | 512.9 | 483.1 | 451.8 | 417.5 |
| 32.5° | 615.8 | 612.8 | 603.9 | 589.0 | 569.6 | 545.7 | 520.4 | 490.5 | 460.7 | 429.4 | 395.1 |
| 35°   | 590.4 | 584.5 | 575.5 | 562.1 | 542.7 | 518.9 | 493.5 | 462.2 | 433.9 | 402.6 | 369.8 |
| 37.5° | 554.7 | 553.2 | 542.7 | 532.3 | 512.9 | 487.6 | 463.7 | 433.9 | 405.6 | 375.7 | 342.9 |
| 40°   | 520.4 | 517.4 | 508.4 | 496.5 | 477.1 | 454.8 | 429.4 | 402.6 | 374.2 | 345.9 | 316.1 |
| 42.5° | 481.6 | 477.1 | 471.2 | 459.2 | 441.3 | 419.0 | 395.1 | 368.3 | 342.9 | 316.1 | 289.3 |
| 45°   | 433.9 | 432.4 | 424.9 | 419.0 | 402.6 | 383.2 | 359.3 | 335.5 | 310.1 | 289.3 | 268.4 |
| 47.5° | 372.8 | 371.3 | 369.8 | 365.3 | 356.4 | 342.9 | 325.0 | 302.7 | 283.3 | 262.4 | 234.1 |
| 50°   | 319.1 | 317.6 | 314.6 | 313.1 | 305.7 | 298.2 | 284.8 | 271.4 | 255.0 | 231.1 | 208.7 |
| 52.5° | 253.5 | 255.0 | 259.4 | 260.9 | 259.4 | 253.5 | 247.5 | 243.0 | 220.7 | 205.8 | 184.9 |
| 55°   | 207.3 | 207.3 | 205.8 | 207.3 | 208.7 | 211.7 | 211.7 | 205.8 | 190.9 | 177.4 | 159.5 |
| 57.5° | 170.0 | 170.0 | 170.0 | 170.0 | 170.0 | 171.5 | 171.5 | 170.0 | 162.5 | 149.1 | 132.7 |
| 60°   | 140.2 | 138.7 | 138.7 | 140.2 | 138.7 | 138.7 | 140.2 | 140.2 | 132.7 | 122.3 | 107.4 |
| 62.5° | 113.3 | 113.3 | 113.3 | 111.8 | 111.8 | 113.3 | 113.3 | 111.8 | 105.9 | 95.4  | 85.0  |
| 65°   | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 91.0  | 89.5  | 88.0  | 82.0  | 74.6  | 67.1  |
| 67.5° | 68.6  | 68.6  | 70.1  | 68.6  | 70.1  | 70.1  | 70.1  | 67.1  | 62.6  | 56.7  | 52.2  |
| 70°   | 50.7  | 50.7  | 50.7  | 52.2  | 53.7  | 53.7  | 52.2  | 49.2  | 46.2  | 43.2  | 38.8  |
| 72.5° | 34.3  | 35.8  | 35.8  | 35.8  | 37.3  | 37.3  | 35.8  | 34.3  | 32.8  | 29.8  | 28.3  |
| 75°   | 22.4  | 20.9  | 22.4  | 22.4  | 23.9  | 23.9  | 22.4  | 22.4  | 20.9  | 19.4  | 17.9  |
| 77.5° | 10.4  | 10.4  | 11.9  | 11.9  | 11.9  | 11.9  | 11.9  | 11.9  | 11.9  | 10.4  | 10.4  |
| 80°   | 3.0   | 3.0   | 3.0   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   |
| 82.5° | 0.0   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 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):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 316.1 | 316.1 | 316.1 | 316.1 | 316.1  | 316.1 | 316.1  | 316.1 |
| 2.5°  | 342.9 | 338.5 | 332.5 | 316.1 | 301.2  | 287.8 | 280.3  | 278.8 |
| 5°    | 366.8 | 360.8 | 345.9 | 311.6 | 283.3  | 260.9 | 247.5  | 244.5 |
| 7.5°  | 392.1 | 380.2 | 359.3 | 305.7 | 265.4  | 237.1 | 222.2  | 217.7 |
| 10°   | 411.5 | 396.6 | 368.3 | 298.2 | 247.5  | 217.7 | 199.8  | 193.8 |
| 12.5° | 424.9 | 407.0 | 375.7 | 289.3 | 232.6  | 196.8 | 178.9  | 173.0 |
| 15°   | 432.4 | 413.0 | 377.2 | 275.8 | 214.7  | 180.4 | 161.0  | 156.6 |
| 17.5° | 435.4 | 413.0 | 374.2 | 265.4 | 198.3  | 164.0 | 146.1  | 140.2 |
| 20°   | 433.9 | 407.0 | 366.8 | 250.5 | 183.4  | 149.1 | 131.2  | 126.7 |
| 22.5° | 427.9 | 398.1 | 354.9 | 235.6 | 168.5  | 134.2 | 119.3  | 116.3 |
| 25°   | 419.0 | 386.2 | 341.4 | 222.2 | 155.1  | 123.8 | 108.8  | 105.9 |
| 27.5° | 404.1 | 371.3 | 323.6 | 207.3 | 143.1  | 113.3 | 99.9   | 95.4  |
| 30°   | 384.7 | 353.4 | 305.7 | 192.3 | 131.2  | 102.9 | 91.0   | 88.0  |
| 32.5° | 363.8 | 332.5 | 287.8 | 177.4 | 120.8  | 95.4  | 83.5   | 80.5  |
| 35°   | 340.0 | 310.1 | 265.4 | 162.5 | 110.3  | 88.0  | 76.0   | 74.6  |
| 37.5° | 316.1 | 286.3 | 246.0 | 150.6 | 101.4  | 80.5  | 70.1   | 68.6  |
| 40°   | 289.3 | 265.4 | 235.6 | 137.2 | 93.9   | 74.6  | 65.6   | 62.6  |
| 42.5° | 272.9 | 240.1 | 202.8 | 125.2 | 86.5   | 68.6  | 59.6   | 58.1  |
| 45°   | 237.1 | 213.2 | 183.4 | 113.3 | 79.0   | 62.6  | 55.2   | 53.7  |
| 47.5° | 213.2 | 192.3 | 164.0 | 101.4 | 73.1   | 58.1  | 50.7   | 49.2  |
| 50°   | 189.4 | 170.0 | 143.1 | 89.5  | 67.1   | 53.7  | 46.2   | 44.7  |
| 52.5° | 165.5 | 146.1 | 122.3 | 79.0  | 59.6   | 49.2  | 41.7   | 40.3  |
| 55°   | 141.6 | 123.8 | 101.4 | 68.6  | 53.7   | 44.7  | 38.8   | 35.8  |
| 57.5° | 116.3 | 101.4 | 86.5  | 61.1  | 47.7   | 40.3  | 34.3   | 31.3  |
| 60°   | 93.9  | 85.0  | 73.1  | 53.7  | 41.7   | 35.8  | 29.8   | 28.3  |
| 62.5° | 76.0  | 68.6  | 61.1  | 46.2  | 37.3   | 31.3  | 26.8   | 22.4  |
| 65°   | 61.1  | 56.7  | 50.7  | 37.3  | 31.3   | 26.8  | 22.4   | 17.9  |
| 67.5° | 47.7  | 44.7  | 40.3  | 31.3  | 25.3   | 22.4  | 16.4   | 13.4  |
| 70°   | 37.3  | 34.3  | 31.3  | 22.4  | 19.4   | 16.4  | 11.9   | 8.9   |
| 72.5° | 26.8  | 23.9  | 22.4  | 16.4  | 13.4   | 11.9  | 7.5    | 4.5   |
| 75°   | 16.4  | 16.4  | 13.4  | 8.9   | 7.5    | 6.0   | 3.0    | 1.5   |
| 77.5° | 8.9   | 8.9   | 7.5   | 4.5   | 4.5    | 1.5   | 0.0    | 0.0   |
| 80°   | 4.5   | 3.0   | 3.0   | 1.5   | 1.5    | 0.0   | 0.0    | 0.0   |
| 82.5° | 1.5   | 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)