

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: PORTFOLIO

Report Number: P1308518

Luminaire Tested: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308518  
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: PORTFOLIO  
Catalog Number: LDSQA3D20R709027D010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

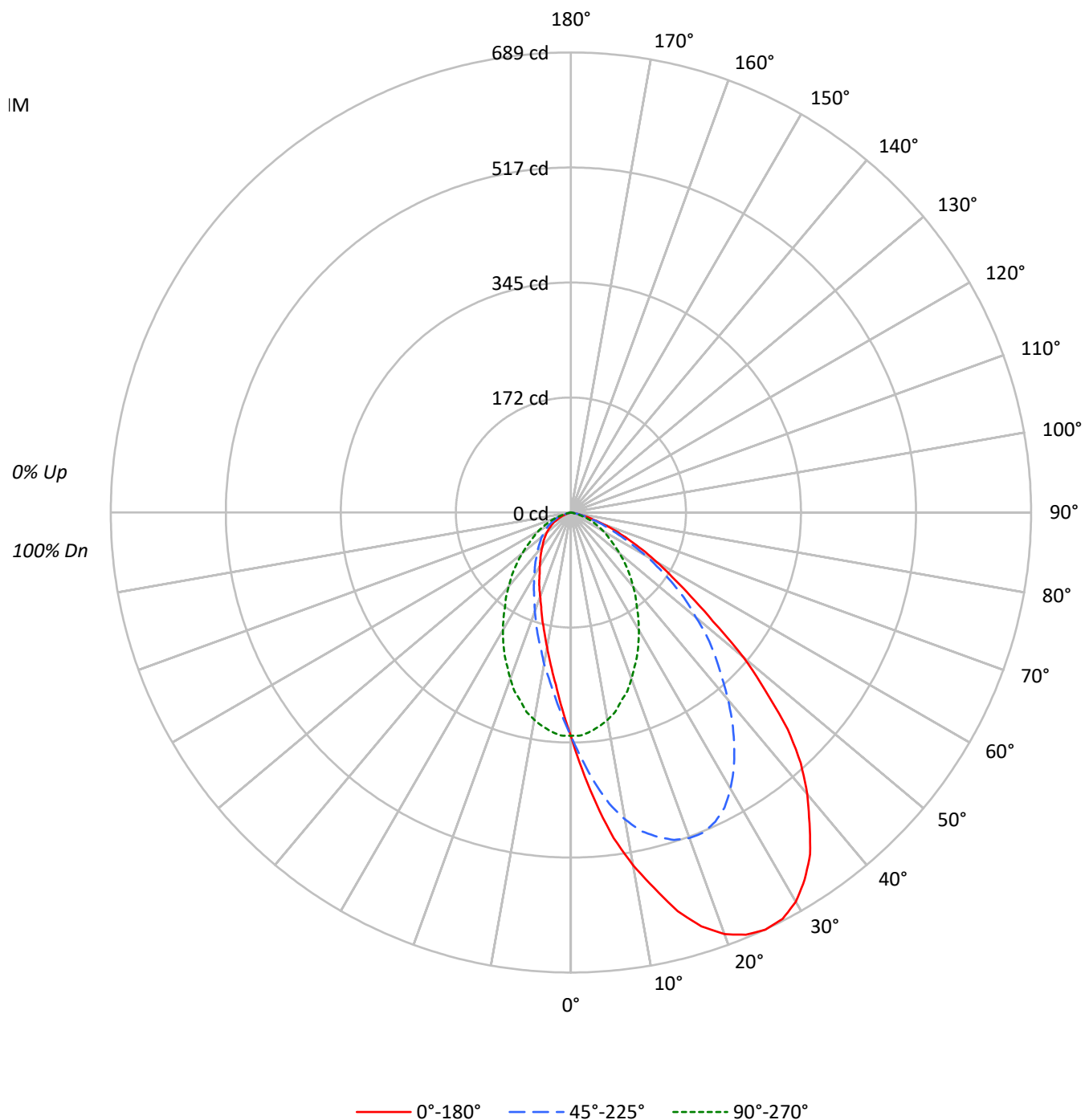
Lumens per Lamp: N/A  
Luminaire Lumens: 750.0 lumens  
Efficiency: N/A  
Efficacy: 26.0 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1308518

CATALOG NUMBER: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1308518

CATALOG NUMBER: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

**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 |    |    |
| 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°  | 57591  | 57591 | 57591 | 57591 | 57591 |
| 5°  | 75808  | 70086 | 56981 | 47715 | 44724 |
| 10° | 93788  | 81651 | 55157 | 40275 | 35850 |
| 15° | 110242 | 89702 | 52027 | 34019 | 29526 |
| 20° | 123143 | 95102 | 48568 | 28903 | 24577 |
| 25° | 130985 | 97104 | 44656 | 24874 | 21283 |
| 30° | 133936 | 95038 | 40469 | 21637 | 18514 |
| 35° | 131319 | 89543 | 36141 | 19574 | 16588 |
| 40° | 123764 | 82262 | 32621 | 17738 | 14883 |
| 45° | 111794 | 74529 | 29203 | 16124 | 13834 |
| 50° | 90427  | 65509 | 25346 | 15218 | 12673 |
| 55° | 65817  | 56359 | 21799 | 14202 | 11380 |
| 60° | 51081  | 44537 | 19564 | 13054 | 10333 |
| 65° | 38551  | 32153 | 16056 | 11573 | 7702  |
| 70° | 26990  | 23012 | 11934 | 8711  | 4784  |
| 75° | 15770  | 13641 | 6321  | 4192  | 1065  |
| 80° | 3174   | 4661  | 1587  | 0     | 0     |
| 85° | 0      | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111794 cd/sqm

TEST NUMBER: P1308518

CATALOG NUMBER: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.7   | 4.4       |
| 10°-20°   | 97.5   | 13.0      |
| 20°-30°   | 146.9  | 19.6      |
| 30°-40°   | 163.3  | 21.8      |
| 40°-50°   | 144.8  | 19.3      |
| 50°-60°   | 98.3   | 13.1      |
| 60°-70°   | 51.5   | 6.9       |
| 70°-80°   | 14.6   | 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°    | 277.1  | 36.9      |
| 0°-40°    | 440.4  | 58.7      |
| 0°-60°    | 683.4  | 91.1      |
| 0°-90°    | 750.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 750.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 334 | 334 | 334 | 334  | 334  |      |
| 5°  | 438 | 405 | 330 | 276  | 259  | 45   |
| 15° | 618 | 503 | 292 | 191  | 166  | 176  |
| 25° | 689 | 511 | 235 | 131  | 112  | 316  |
| 35° | 625 | 426 | 172 | 93   | 79   | 387  |
| 45° | 459 | 306 | 120 | 66   | 57   | 347  |
| 55° | 219 | 188 | 73  | 47   | 38   | 203  |
| 65° | 95  | 79  | 39  | 28   | 19   | 96   |
| 75° | 24  | 20  | 10  | 6    | 2    | 26   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1308518

CATALOG NUMBER: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 | 334.4 |
| 2.5°  | 384.8 | 383.3 | 381.7 | 381.7 | 380.1 | 378.5 | 375.4 | 375.4 | 372.2 | 369.1 | 365.9 |
| 5°    | 438.5 | 438.5 | 438.5 | 433.7 | 433.7 | 427.4 | 424.3 | 418.0 | 411.7 | 405.4 | 397.5 |
| 7.5°  | 492.1 | 492.1 | 487.4 | 485.8 | 481.1 | 474.7 | 470.0 | 460.6 | 449.5 | 440.0 | 427.4 |
| 10°   | 536.3 | 536.3 | 531.5 | 528.4 | 518.9 | 512.6 | 503.1 | 492.1 | 481.1 | 466.9 | 451.1 |
| 12.5° | 575.7 | 577.3 | 571.0 | 564.7 | 555.2 | 545.7 | 533.1 | 518.9 | 504.7 | 488.9 | 468.4 |
| 15°   | 618.3 | 616.7 | 608.8 | 600.9 | 589.9 | 575.7 | 559.9 | 541.0 | 522.1 | 503.1 | 481.1 |
| 17.5° | 649.8 | 648.2 | 640.4 | 630.9 | 616.7 | 599.4 | 582.0 | 559.9 | 537.8 | 514.2 | 487.4 |
| 20°   | 671.9 | 670.3 | 662.4 | 649.8 | 635.6 | 616.7 | 596.2 | 571.0 | 547.3 | 518.9 | 488.9 |
| 22.5° | 684.5 | 682.9 | 673.5 | 662.4 | 645.1 | 624.6 | 602.5 | 575.7 | 548.9 | 518.9 | 485.8 |
| 25°   | 689.3 | 686.1 | 676.6 | 664.0 | 646.7 | 624.6 | 599.4 | 571.0 | 542.6 | 511.0 | 476.3 |
| 27.5° | 686.1 | 682.9 | 671.9 | 657.7 | 638.8 | 613.5 | 588.3 | 559.9 | 530.0 | 498.4 | 462.1 |
| 30°   | 673.5 | 668.7 | 659.3 | 645.1 | 624.6 | 599.4 | 572.5 | 542.6 | 511.0 | 477.9 | 441.6 |
| 32.5° | 651.4 | 648.2 | 638.8 | 623.0 | 602.5 | 577.3 | 550.5 | 518.9 | 487.4 | 454.2 | 418.0 |
| 35°   | 624.6 | 618.3 | 608.8 | 594.6 | 574.1 | 548.9 | 522.1 | 488.9 | 459.0 | 425.9 | 391.2 |
| 37.5° | 586.7 | 585.2 | 574.1 | 563.1 | 542.6 | 515.8 | 490.5 | 459.0 | 429.0 | 397.5 | 362.8 |
| 40°   | 550.5 | 547.3 | 537.8 | 525.2 | 504.7 | 481.1 | 454.2 | 425.9 | 395.9 | 365.9 | 334.4 |
| 42.5° | 509.4 | 504.7 | 498.4 | 485.8 | 466.9 | 443.2 | 418.0 | 389.6 | 362.8 | 334.4 | 306.0 |
| 45°   | 459.0 | 457.4 | 449.5 | 443.2 | 425.9 | 405.4 | 380.1 | 354.9 | 328.1 | 306.0 | 283.9 |
| 47.5° | 394.3 | 392.7 | 391.2 | 386.4 | 377.0 | 362.8 | 343.8 | 320.2 | 299.7 | 277.6 | 247.6 |
| 50°   | 337.5 | 336.0 | 332.8 | 331.2 | 323.3 | 315.4 | 301.3 | 287.1 | 269.7 | 244.5 | 220.8 |
| 52.5° | 268.1 | 269.7 | 274.4 | 276.0 | 274.4 | 268.1 | 261.8 | 257.1 | 233.4 | 217.7 | 195.6 |
| 55°   | 219.2 | 219.2 | 217.7 | 219.2 | 220.8 | 224.0 | 224.0 | 217.7 | 201.9 | 187.7 | 168.8 |
| 57.5° | 179.8 | 179.8 | 179.8 | 179.8 | 179.8 | 181.4 | 181.4 | 179.8 | 171.9 | 157.7 | 140.4 |
| 60°   | 148.3 | 146.7 | 146.7 | 148.3 | 146.7 | 146.7 | 148.3 | 148.3 | 140.4 | 129.3 | 113.6 |
| 62.5° | 119.9 | 119.9 | 119.9 | 118.3 | 118.3 | 119.9 | 119.9 | 118.3 | 112.0 | 100.9 | 89.9  |
| 65°   | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 96.2  | 94.6  | 93.1  | 86.7  | 78.9  | 71.0  |
| 67.5° | 72.6  | 72.6  | 74.1  | 72.6  | 74.1  | 74.1  | 74.1  | 71.0  | 66.2  | 59.9  | 55.2  |
| 70°   | 53.6  | 53.6  | 53.6  | 55.2  | 56.8  | 56.8  | 55.2  | 52.0  | 48.9  | 45.7  | 41.0  |
| 72.5° | 36.3  | 37.9  | 37.9  | 37.9  | 39.4  | 39.4  | 37.9  | 36.3  | 34.7  | 31.5  | 30.0  |
| 75°   | 23.7  | 22.1  | 23.7  | 23.7  | 25.2  | 25.2  | 23.7  | 23.7  | 22.1  | 20.5  | 18.9  |
| 77.5° | 11.0  | 11.0  | 12.6  | 12.6  | 12.6  | 12.6  | 12.6  | 12.6  | 12.6  | 11.0  | 11.0  |
| 80°   | 3.2   | 3.2   | 3.2   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| 82.5° | 0.0   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 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: P1308518

CATALOG NUMBER: LDSQA3D20R709027D010 3LSQCLSWWR 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 334.4 | 334.4 | 334.4 | 334.4 | 334.4  | 334.4 | 334.4  | 334.4 |
| 2.5°  | 362.8 | 358.0 | 351.7 | 334.4 | 318.6  | 304.4 | 296.5  | 294.9 |
| 5°    | 388.0 | 381.7 | 365.9 | 329.6 | 299.7  | 276.0 | 261.8  | 258.7 |
| 7.5°  | 414.8 | 402.2 | 380.1 | 323.3 | 280.7  | 250.8 | 235.0  | 230.3 |
| 10°   | 435.3 | 419.5 | 389.6 | 315.4 | 261.8  | 230.3 | 211.4  | 205.0 |
| 12.5° | 449.5 | 430.6 | 397.5 | 306.0 | 246.0  | 208.2 | 189.3  | 183.0 |
| 15°   | 457.4 | 436.9 | 399.0 | 291.8 | 227.1  | 190.8 | 170.3  | 165.6 |
| 17.5° | 460.6 | 436.9 | 395.9 | 280.7 | 209.8  | 173.5 | 154.6  | 148.3 |
| 20°   | 459.0 | 430.6 | 388.0 | 265.0 | 194.0  | 157.7 | 138.8  | 134.1 |
| 22.5° | 452.7 | 421.1 | 375.4 | 249.2 | 178.2  | 142.0 | 126.2  | 123.0 |
| 25°   | 443.2 | 408.5 | 361.2 | 235.0 | 164.0  | 130.9 | 115.1  | 112.0 |
| 27.5° | 427.4 | 392.7 | 342.3 | 219.2 | 151.4  | 119.9 | 105.7  | 100.9 |
| 30°   | 406.9 | 373.8 | 323.3 | 203.5 | 138.8  | 108.8 | 96.2   | 93.1  |
| 32.5° | 384.8 | 351.7 | 304.4 | 187.7 | 127.8  | 100.9 | 88.3   | 85.2  |
| 35°   | 359.6 | 328.1 | 280.7 | 171.9 | 116.7  | 93.1  | 80.4   | 78.9  |
| 37.5° | 334.4 | 302.8 | 260.2 | 159.3 | 107.3  | 85.2  | 74.1   | 72.6  |
| 40°   | 306.0 | 280.7 | 249.2 | 145.1 | 99.4   | 78.9  | 69.4   | 66.2  |
| 42.5° | 288.6 | 253.9 | 214.5 | 132.5 | 91.5   | 72.6  | 63.1   | 61.5  |
| 45°   | 250.8 | 225.5 | 194.0 | 119.9 | 83.6   | 66.2  | 58.4   | 56.8  |
| 47.5° | 225.5 | 203.5 | 173.5 | 107.3 | 77.3   | 61.5  | 53.6   | 52.0  |
| 50°   | 200.3 | 179.8 | 151.4 | 94.6  | 71.0   | 56.8  | 48.9   | 47.3  |
| 52.5° | 175.1 | 154.6 | 129.3 | 83.6  | 63.1   | 52.0  | 44.2   | 42.6  |
| 55°   | 149.8 | 130.9 | 107.3 | 72.6  | 56.8   | 47.3  | 41.0   | 37.9  |
| 57.5° | 123.0 | 107.3 | 91.5  | 64.7  | 50.5   | 42.6  | 36.3   | 33.1  |
| 60°   | 99.4  | 89.9  | 77.3  | 56.8  | 44.2   | 37.9  | 31.5   | 30.0  |
| 62.5° | 80.4  | 72.6  | 64.7  | 48.9  | 39.4   | 33.1  | 28.4   | 23.7  |
| 65°   | 64.7  | 59.9  | 53.6  | 39.4  | 33.1   | 28.4  | 23.7   | 18.9  |
| 67.5° | 50.5  | 47.3  | 42.6  | 33.1  | 26.8   | 23.7  | 17.3   | 14.2  |
| 70°   | 39.4  | 36.3  | 33.1  | 23.7  | 20.5   | 17.3  | 12.6   | 9.5   |
| 72.5° | 28.4  | 25.2  | 23.7  | 17.3  | 14.2   | 12.6  | 7.9    | 4.7   |
| 75°   | 17.3  | 17.3  | 14.2  | 9.5   | 7.9    | 6.3   | 3.2    | 1.6   |
| 77.5° | 9.5   | 9.5   | 7.9   | 4.7   | 4.7    | 1.6   | 0.0    | 0.0   |
| 80°   | 4.7   | 3.2   | 3.2   | 1.6   | 1.6    | 0.0   | 0.0    | 0.0   |
| 82.5° | 1.6   | 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)