

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: P1319903

Luminaire Tested: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319903  
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: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

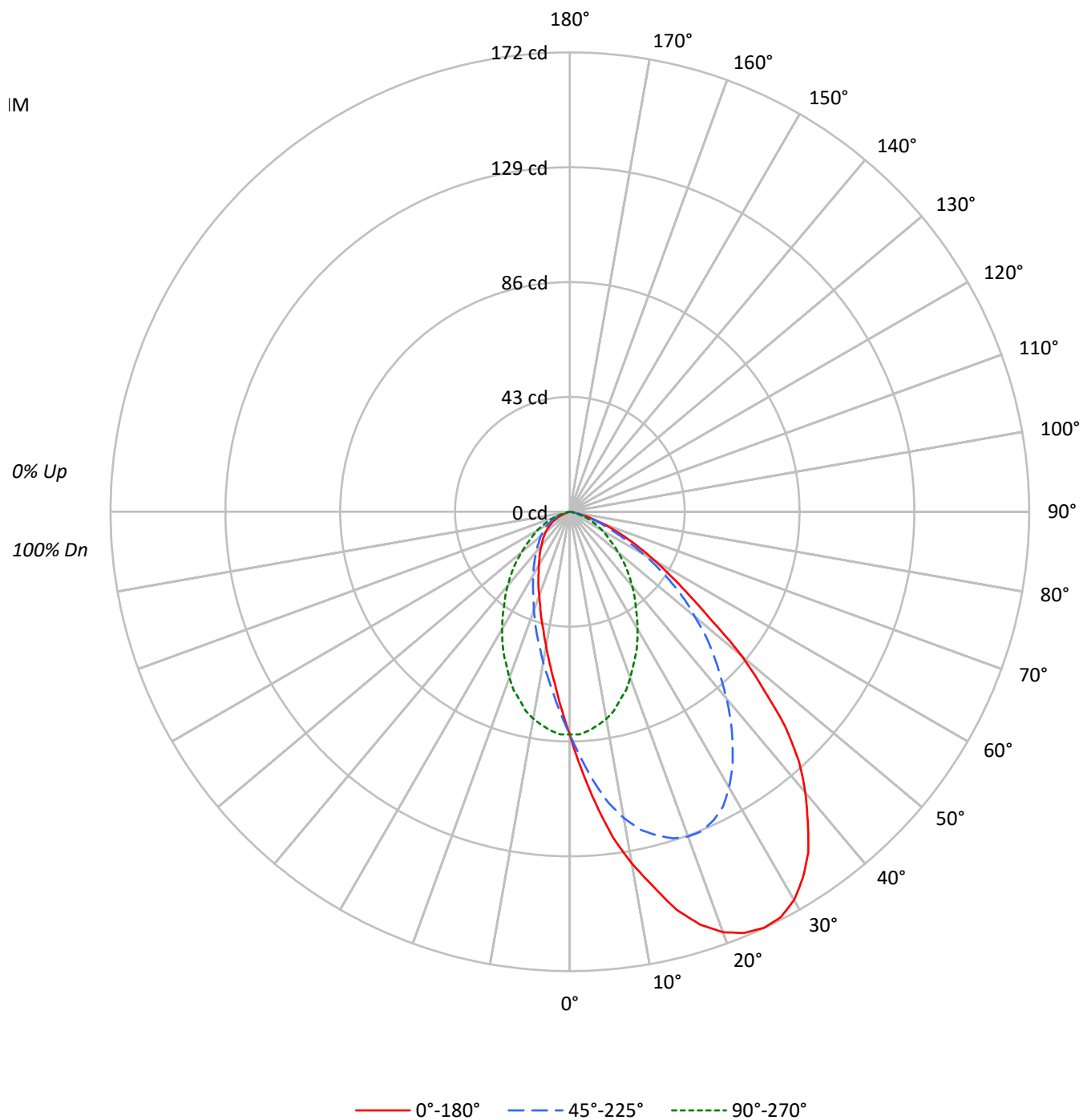
Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 26.0 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1319903

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1319903

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

**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°  | 14363 | 14363 | 14363 | 14363 | 14363 |
| 5°  | 18896 | 17478 | 14211 | 11894 | 11151 |
| 10° | 23381 | 20356 | 13763 | 10038 | 8936  |
| 15° | 27494 | 22359 | 12980 | 8487  | 7364  |
| 20° | 30699 | 23716 | 12115 | 7203  | 6121  |
| 25° | 32666 | 24209 | 11136 | 6195  | 5302  |
| 30° | 33390 | 23705 | 10082 | 5389  | 4614  |
| 35° | 32735 | 22328 | 9020  | 4878  | 4142  |
| 40° | 30845 | 20504 | 8139  | 4429  | 3710  |
| 45° | 27863 | 18584 | 7282  | 4019  | 3459  |
| 50° | 22560 | 16344 | 6323  | 3805  | 3162  |
| 55° | 16424 | 14052 | 5435  | 3543  | 2822  |
| 60° | 12744 | 11091 | 4891  | 3238  | 2583  |
| 65° | 9617  | 8028  | 3994  | 2893  | 1915  |
| 70° | 6748  | 5740  | 2971  | 2165  | 1209  |
| 75° | 3926  | 3394  | 1597  | 1065  | 266   |
| 80° | 793   | 1190  | 397   | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27863 cd/sqm

TEST NUMBER: P1319903

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.1    | 4.4       |
| 10°-20°   | 24.3   | 13.0      |
| 20°-30°   | 36.6   | 19.6      |
| 30°-40°   | 40.7   | 21.8      |
| 40°-50°   | 36.1   | 19.3      |
| 50°-60°   | 24.5   | 13.1      |
| 60°-70°   | 12.9   | 6.9       |
| 70°-80°   | 3.6    | 2.0       |
| 80°-90°   | 0.1    | 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°    | 69.1   | 36.9      |
| 0°-40°    | 109.8  | 58.7      |
| 0°-60°    | 170.4  | 91.1      |
| 0°-90°    | 187.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 187.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 83  | 83  | 83  | 83   | 83   |      |
| 5°  | 109 | 101 | 82  | 69   | 64   | 11   |
| 15° | 154 | 125 | 73  | 48   | 41   | 44   |
| 25° | 172 | 127 | 59  | 33   | 28   | 79   |
| 35° | 156 | 106 | 43  | 23   | 20   | 97   |
| 45° | 114 | 76  | 30  | 16   | 14   | 87   |
| 55° | 55  | 47  | 18  | 12   | 9    | 51   |
| 65° | 24  | 20  | 10  | 7    | 5    | 24   |
| 75° | 6   | 5   | 2   | 2    | 0    | 7    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1319903

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  |
| 2.5°  | 96.0  | 95.6  | 95.2  | 95.2  | 94.8  | 94.4  | 93.6  | 93.6  | 92.8  | 92.0  | 91.2  |
| 5°    | 109.3 | 109.3 | 109.3 | 108.1 | 108.1 | 106.6 | 105.8 | 104.2 | 102.6 | 101.1 | 99.1  |
| 7.5°  | 122.7 | 122.7 | 121.5 | 121.1 | 119.9 | 118.4 | 117.2 | 114.8 | 112.1 | 109.7 | 106.6 |
| 10°   | 133.7 | 133.7 | 132.5 | 131.7 | 129.4 | 127.8 | 125.4 | 122.7 | 119.9 | 116.4 | 112.5 |
| 12.5° | 143.5 | 143.9 | 142.4 | 140.8 | 138.4 | 136.1 | 132.9 | 129.4 | 125.8 | 121.9 | 116.8 |
| 15°   | 154.2 | 153.8 | 151.8 | 149.8 | 147.1 | 143.5 | 139.6 | 134.9 | 130.2 | 125.4 | 119.9 |
| 17.5° | 162.0 | 161.6 | 159.7 | 157.3 | 153.8 | 149.4 | 145.1 | 139.6 | 134.1 | 128.2 | 121.5 |
| 20°   | 167.5 | 167.1 | 165.2 | 162.0 | 158.5 | 153.8 | 148.7 | 142.4 | 136.5 | 129.4 | 121.9 |
| 22.5° | 170.7 | 170.3 | 167.9 | 165.2 | 160.8 | 155.7 | 150.2 | 143.5 | 136.9 | 129.4 | 121.1 |
| 25°   | 171.9 | 171.1 | 168.7 | 165.6 | 161.2 | 155.7 | 149.4 | 142.4 | 135.3 | 127.4 | 118.8 |
| 27.5° | 171.1 | 170.3 | 167.5 | 164.0 | 159.3 | 153.0 | 146.7 | 139.6 | 132.1 | 124.3 | 115.2 |
| 30°   | 167.9 | 166.7 | 164.4 | 160.8 | 155.7 | 149.4 | 142.8 | 135.3 | 127.4 | 119.2 | 110.1 |
| 32.5° | 162.4 | 161.6 | 159.3 | 155.3 | 150.2 | 143.9 | 137.2 | 129.4 | 121.5 | 113.3 | 104.2 |
| 35°   | 155.7 | 154.2 | 151.8 | 148.3 | 143.1 | 136.9 | 130.2 | 121.9 | 114.4 | 106.2 | 97.5  |
| 37.5° | 146.3 | 145.9 | 143.1 | 140.4 | 135.3 | 128.6 | 122.3 | 114.4 | 107.0 | 99.1  | 90.4  |
| 40°   | 137.2 | 136.5 | 134.1 | 131.0 | 125.8 | 119.9 | 113.3 | 106.2 | 98.7  | 91.2  | 83.4  |
| 42.5° | 127.0 | 125.8 | 124.3 | 121.1 | 116.4 | 110.5 | 104.2 | 97.1  | 90.4  | 83.4  | 76.3  |
| 45°   | 114.4 | 114.0 | 112.1 | 110.5 | 106.2 | 101.1 | 94.8  | 88.5  | 81.8  | 76.3  | 70.8  |
| 47.5° | 98.3  | 97.9  | 97.5  | 96.3  | 94.0  | 90.4  | 85.7  | 79.8  | 74.7  | 69.2  | 61.7  |
| 50°   | 84.2  | 83.8  | 83.0  | 82.6  | 80.6  | 78.7  | 75.1  | 71.6  | 67.2  | 61.0  | 55.1  |
| 52.5° | 66.9  | 67.2  | 68.4  | 68.8  | 68.4  | 66.9  | 65.3  | 64.1  | 58.2  | 54.3  | 48.8  |
| 55°   | 54.7  | 54.7  | 54.3  | 54.7  | 55.1  | 55.8  | 55.8  | 54.3  | 50.3  | 46.8  | 42.1  |
| 57.5° | 44.8  | 44.8  | 44.8  | 44.8  | 44.8  | 45.2  | 45.2  | 44.8  | 42.9  | 39.3  | 35.0  |
| 60°   | 37.0  | 36.6  | 36.6  | 37.0  | 36.6  | 36.6  | 37.0  | 37.0  | 35.0  | 32.2  | 28.3  |
| 62.5° | 29.9  | 29.9  | 29.9  | 29.5  | 29.5  | 29.9  | 29.9  | 29.5  | 27.9  | 25.2  | 22.4  |
| 65°   | 23.6  | 23.6  | 23.6  | 23.6  | 23.6  | 24.0  | 23.6  | 23.2  | 21.6  | 19.7  | 17.7  |
| 67.5° | 18.1  | 18.1  | 18.5  | 18.1  | 18.5  | 18.5  | 18.5  | 17.7  | 16.5  | 14.9  | 13.8  |
| 70°   | 13.4  | 13.4  | 13.4  | 13.8  | 14.2  | 14.2  | 13.8  | 13.0  | 12.2  | 11.4  | 10.2  |
| 72.5° | 9.0   | 9.4   | 9.4   | 9.4   | 9.8   | 9.8   | 9.4   | 9.0   | 8.7   | 7.9   | 7.5   |
| 75°   | 5.9   | 5.5   | 5.9   | 5.9   | 6.3   | 6.3   | 5.9   | 5.9   | 5.5   | 5.1   | 4.7   |
| 77.5° | 2.8   | 2.8   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 2.8   | 2.8   |
| 80°   | 0.8   | 0.8   | 0.8   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 82.5° | 0.0   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 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: P1319903

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCLSWWR 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|------|--------|------|--------|------|
| 0°    | 83.4  | 83.4  | 83.4  | 83.4 | 83.4   | 83.4 | 83.4   | 83.4 |
| 2.5°  | 90.4  | 89.3  | 87.7  | 83.4 | 79.4   | 75.9 | 73.9   | 73.5 |
| 5°    | 96.7  | 95.2  | 91.2  | 82.2 | 74.7   | 68.8 | 65.3   | 64.5 |
| 7.5°  | 103.4 | 100.3 | 94.8  | 80.6 | 70.0   | 62.5 | 58.6   | 57.4 |
| 10°   | 108.5 | 104.6 | 97.1  | 78.7 | 65.3   | 57.4 | 52.7   | 51.1 |
| 12.5° | 112.1 | 107.4 | 99.1  | 76.3 | 61.3   | 51.9 | 47.2   | 45.6 |
| 15°   | 114.0 | 108.9 | 99.5  | 72.8 | 56.6   | 47.6 | 42.5   | 41.3 |
| 17.5° | 114.8 | 108.9 | 98.7  | 70.0 | 52.3   | 43.3 | 38.5   | 37.0 |
| 20°   | 114.4 | 107.4 | 96.7  | 66.1 | 48.4   | 39.3 | 34.6   | 33.4 |
| 22.5° | 112.9 | 105.0 | 93.6  | 62.1 | 44.4   | 35.4 | 31.5   | 30.7 |
| 25°   | 110.5 | 101.9 | 90.1  | 58.6 | 40.9   | 32.6 | 28.7   | 27.9 |
| 27.5° | 106.6 | 97.9  | 85.3  | 54.7 | 37.8   | 29.9 | 26.3   | 25.2 |
| 30°   | 101.5 | 93.2  | 80.6  | 50.7 | 34.6   | 27.1 | 24.0   | 23.2 |
| 32.5° | 96.0  | 87.7  | 75.9  | 46.8 | 31.9   | 25.2 | 22.0   | 21.2 |
| 35°   | 89.7  | 81.8  | 70.0  | 42.9 | 29.1   | 23.2 | 20.1   | 19.7 |
| 37.5° | 83.4  | 75.5  | 64.9  | 39.7 | 26.7   | 21.2 | 18.5   | 18.1 |
| 40°   | 76.3  | 70.0  | 62.1  | 36.2 | 24.8   | 19.7 | 17.3   | 16.5 |
| 42.5° | 72.0  | 63.3  | 53.5  | 33.0 | 22.8   | 18.1 | 15.7   | 15.3 |
| 45°   | 62.5  | 56.2  | 48.4  | 29.9 | 20.8   | 16.5 | 14.6   | 14.2 |
| 47.5° | 56.2  | 50.7  | 43.3  | 26.7 | 19.3   | 15.3 | 13.4   | 13.0 |
| 50°   | 49.9  | 44.8  | 37.8  | 23.6 | 17.7   | 14.2 | 12.2   | 11.8 |
| 52.5° | 43.7  | 38.5  | 32.2  | 20.8 | 15.7   | 13.0 | 11.0   | 10.6 |
| 55°   | 37.4  | 32.6  | 26.7  | 18.1 | 14.2   | 11.8 | 10.2   | 9.4  |
| 57.5° | 30.7  | 26.7  | 22.8  | 16.1 | 12.6   | 10.6 | 9.0    | 8.3  |
| 60°   | 24.8  | 22.4  | 19.3  | 14.2 | 11.0   | 9.4  | 7.9    | 7.5  |
| 62.5° | 20.1  | 18.1  | 16.1  | 12.2 | 9.8    | 8.3  | 7.1    | 5.9  |
| 65°   | 16.1  | 14.9  | 13.4  | 9.8  | 8.3    | 7.1  | 5.9    | 4.7  |
| 67.5° | 12.6  | 11.8  | 10.6  | 8.3  | 6.7    | 5.9  | 4.3    | 3.5  |
| 70°   | 9.8   | 9.0   | 8.3   | 5.9  | 5.1    | 4.3  | 3.1    | 2.4  |
| 72.5° | 7.1   | 6.3   | 5.9   | 4.3  | 3.5    | 3.1  | 2.0    | 1.2  |
| 75°   | 4.3   | 4.3   | 3.5   | 2.4  | 2.0    | 1.6  | 0.8    | 0.4  |
| 77.5° | 2.4   | 2.4   | 2.0   | 1.2  | 1.2    | 0.4  | 0.0    | 0.0  |
| 80°   | 1.2   | 0.8   | 0.8   | 0.4  | 0.4    | 0.0  | 0.0    | 0.0  |
| 82.5° | 0.4   | 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)