

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: P1316916

Luminaire Tested: P3SQAS05R709830DE010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316916  
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: P3SQAS05R709830DE010 E3SQCLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLSWW1MMS TR  
Light Source: -  
Ballast/Driver: -

**Summary**

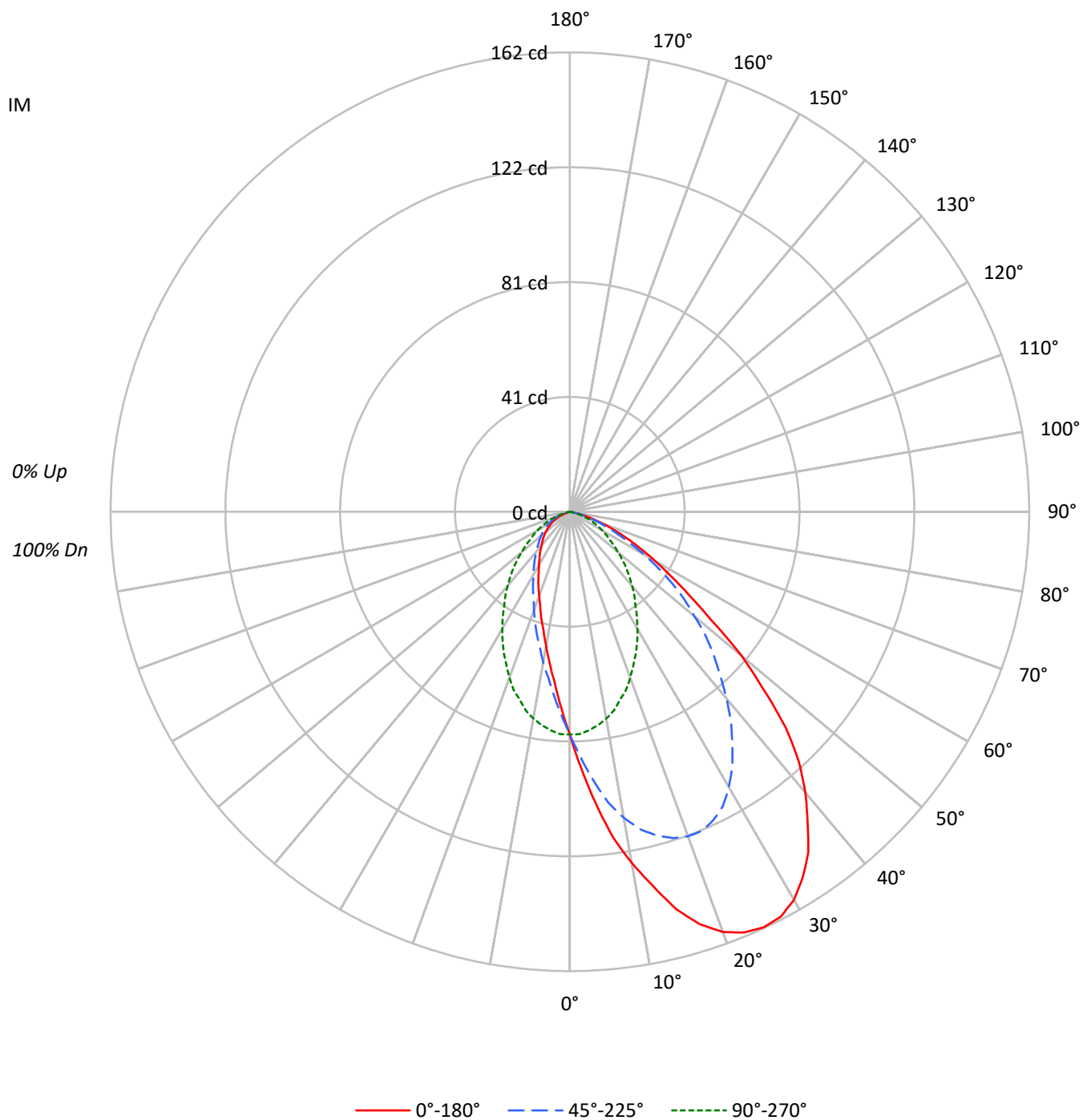
Lumens per Lamp: N/A  
Luminaire Lumens: 176.0 lumens  
Efficiency: N/A  
Efficacy: 24.4 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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  | 85  | 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°  | 13519 | 13519 | 13519 | 13519 | 13519 |
| 5°  | 17789 | 16441 | 13381 | 11203 | 10494 |
| 10° | 22000 | 19167 | 12941 | 9443  | 8412  |
| 15° | 25871 | 21057 | 12213 | 7988  | 6936  |
| 20° | 28903 | 22323 | 11400 | 6781  | 5773  |
| 25° | 30727 | 22784 | 10470 | 5834  | 4998  |
| 30° | 31421 | 22293 | 9486  | 5071  | 4335  |
| 35° | 30822 | 21003 | 8473  | 4583  | 3890  |
| 40° | 29047 | 19312 | 7666  | 4159  | 3485  |
| 45° | 26231 | 17488 | 6844  | 3775  | 3239  |
| 50° | 21220 | 15379 | 5948  | 3563  | 2974  |
| 55° | 15433 | 13211 | 5104  | 3333  | 2672  |
| 60° | 11987 | 10471 | 4581  | 3066  | 2411  |
| 65° | 9047  | 7539  | 3790  | 2730  | 1793  |
| 70° | 6345  | 5388  | 2820  | 2065  | 1108  |
| 75° | 3726  | 3194  | 1464  | 998   | 266   |
| 80° | 694   | 1091  | 397   | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26231 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.7    | 4.4       |
| 10°-20°   | 22.9   | 13.0      |
| 20°-30°   | 34.5   | 19.6      |
| 30°-40°   | 38.3   | 21.8      |
| 40°-50°   | 34.0   | 19.3      |
| 50°-60°   | 23.1   | 13.1      |
| 60°-70°   | 12.1   | 6.9       |
| 70°-80°   | 3.4    | 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°    | 65.0   | 36.9      |
| 0°-40°    | 103.3  | 58.7      |
| 0°-60°    | 160.4  | 91.1      |
| 0°-90°    | 176.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 176.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 78  | 78  | 78  | 78   | 78   |      |
| 5°  | 103 | 95  | 77  | 65   | 61   | 11   |
| 15° | 145 | 118 | 68  | 45   | 39   | 41   |
| 25° | 162 | 120 | 55  | 31   | 26   | 74   |
| 35° | 147 | 100 | 40  | 22   | 18   | 91   |
| 45° | 108 | 72  | 28  | 16   | 13   | 82   |
| 55° | 51  | 44  | 17  | 11   | 9    | 48   |
| 65° | 22  | 18  | 9   | 7    | 4    | 22   |
| 75° | 6   | 5   | 2   | 2    | 0    | 6    |
| 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°    | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  |
| 2.5°  | 90.3  | 89.9  | 89.6  | 89.6  | 89.2  | 88.8  | 88.1  | 88.1  | 87.3  | 86.6  | 85.9  |
| 5°    | 102.9 | 102.9 | 102.9 | 101.8 | 101.8 | 100.3 | 99.6  | 98.1  | 96.6  | 95.1  | 93.3  |
| 7.5°  | 115.5 | 115.5 | 114.4 | 114.0 | 112.9 | 111.4 | 110.3 | 108.1 | 105.5 | 103.3 | 100.3 |
| 10°   | 125.8 | 125.8 | 124.7 | 124.0 | 121.8 | 120.3 | 118.1 | 115.5 | 112.9 | 109.6 | 105.9 |
| 12.5° | 135.1 | 135.5 | 134.0 | 132.5 | 130.3 | 128.1 | 125.1 | 121.8 | 118.4 | 114.7 | 109.9 |
| 15°   | 145.1 | 144.7 | 142.9 | 141.0 | 138.4 | 135.1 | 131.4 | 127.0 | 122.5 | 118.1 | 112.9 |
| 17.5° | 152.5 | 152.1 | 150.3 | 148.1 | 144.7 | 140.6 | 136.6 | 131.4 | 126.2 | 120.7 | 114.4 |
| 20°   | 157.7 | 157.3 | 155.5 | 152.5 | 149.2 | 144.7 | 139.9 | 134.0 | 128.4 | 121.8 | 114.7 |
| 22.5° | 160.6 | 160.3 | 158.0 | 155.5 | 151.4 | 146.6 | 141.4 | 135.1 | 128.8 | 121.8 | 114.0 |
| 25°   | 161.7 | 161.0 | 158.8 | 155.8 | 151.8 | 146.6 | 140.6 | 134.0 | 127.3 | 119.9 | 111.8 |
| 27.5° | 161.0 | 160.3 | 157.7 | 154.3 | 149.9 | 144.0 | 138.1 | 131.4 | 124.4 | 117.0 | 108.4 |
| 30°   | 158.0 | 156.9 | 154.7 | 151.4 | 146.6 | 140.6 | 134.4 | 127.3 | 119.9 | 112.1 | 103.6 |
| 32.5° | 152.9 | 152.1 | 149.9 | 146.2 | 141.4 | 135.5 | 129.2 | 121.8 | 114.4 | 106.6 | 98.1  |
| 35°   | 146.6 | 145.1 | 142.9 | 139.5 | 134.7 | 128.8 | 122.5 | 114.7 | 107.7 | 99.9  | 91.8  |
| 37.5° | 137.7 | 137.3 | 134.7 | 132.1 | 127.3 | 121.0 | 115.1 | 107.7 | 100.7 | 93.3  | 85.1  |
| 40°   | 129.2 | 128.4 | 126.2 | 123.3 | 118.4 | 112.9 | 106.6 | 99.9  | 92.9  | 85.9  | 78.5  |
| 42.5° | 119.6 | 118.4 | 117.0 | 114.0 | 109.6 | 104.0 | 98.1  | 91.4  | 85.1  | 78.5  | 71.8  |
| 45°   | 107.7 | 107.3 | 105.5 | 104.0 | 99.9  | 95.1  | 89.2  | 83.3  | 77.0  | 71.8  | 66.6  |
| 47.5° | 92.5  | 92.2  | 91.8  | 90.7  | 88.5  | 85.1  | 80.7  | 75.1  | 70.3  | 65.1  | 58.1  |
| 50°   | 79.2  | 78.8  | 78.1  | 77.7  | 75.9  | 74.0  | 70.7  | 67.4  | 63.3  | 57.4  | 51.8  |
| 52.5° | 62.9  | 63.3  | 64.4  | 64.8  | 64.4  | 62.9  | 61.4  | 60.3  | 54.8  | 51.1  | 45.9  |
| 55°   | 51.4  | 51.4  | 51.1  | 51.4  | 51.8  | 52.6  | 52.6  | 51.1  | 47.4  | 44.0  | 39.6  |
| 57.5° | 42.2  | 42.2  | 42.2  | 42.2  | 42.2  | 42.6  | 42.6  | 42.2  | 40.3  | 37.0  | 32.9  |
| 60°   | 34.8  | 34.4  | 34.4  | 34.8  | 34.4  | 34.4  | 34.8  | 34.8  | 32.9  | 30.4  | 26.6  |
| 62.5° | 28.1  | 28.1  | 28.1  | 27.8  | 27.8  | 28.1  | 28.1  | 27.8  | 26.3  | 23.7  | 21.1  |
| 65°   | 22.2  | 22.2  | 22.2  | 22.2  | 22.2  | 22.6  | 22.2  | 21.8  | 20.4  | 18.5  | 16.7  |
| 67.5° | 17.0  | 17.0  | 17.4  | 17.0  | 17.4  | 17.4  | 17.4  | 16.7  | 15.5  | 14.1  | 13.0  |
| 70°   | 12.6  | 12.6  | 12.6  | 13.0  | 13.3  | 13.3  | 13.0  | 12.2  | 11.5  | 10.7  | 9.6   |
| 72.5° | 8.5   | 8.9   | 8.9   | 8.9   | 9.3   | 9.3   | 8.9   | 8.5   | 8.1   | 7.4   | 7.0   |
| 75°   | 5.6   | 5.2   | 5.6   | 5.6   | 5.9   | 5.9   | 5.6   | 5.6   | 5.2   | 4.8   | 4.4   |
| 77.5° | 2.6   | 2.6   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 2.6   | 2.6   |
| 80°   | 0.7   | 0.7   | 0.7   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 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   |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|------|--------|------|--------|------|
| 0°    | 78.5  | 78.5  | 78.5  | 78.5 | 78.5   | 78.5 | 78.5   | 78.5 |
| 2.5°  | 85.1  | 84.0  | 82.5  | 78.5 | 74.8   | 71.4 | 69.6   | 69.2 |
| 5°    | 91.1  | 89.6  | 85.9  | 77.4 | 70.3   | 64.8 | 61.4   | 60.7 |
| 7.5°  | 97.3  | 94.4  | 89.2  | 75.9 | 65.9   | 58.8 | 55.1   | 54.0 |
| 10°   | 102.2 | 98.5  | 91.4  | 74.0 | 61.4   | 54.0 | 49.6   | 48.1 |
| 12.5° | 105.5 | 101.0 | 93.3  | 71.8 | 57.7   | 48.9 | 44.4   | 42.9 |
| 15°   | 107.3 | 102.5 | 93.6  | 68.5 | 53.3   | 44.8 | 40.0   | 38.9 |
| 17.5° | 108.1 | 102.5 | 92.9  | 65.9 | 49.2   | 40.7 | 36.3   | 34.8 |
| 20°   | 107.7 | 101.0 | 91.1  | 62.2 | 45.5   | 37.0 | 32.6   | 31.5 |
| 22.5° | 106.2 | 98.8  | 88.1  | 58.5 | 41.8   | 33.3 | 29.6   | 28.9 |
| 25°   | 104.0 | 95.9  | 84.8  | 55.1 | 38.5   | 30.7 | 27.0   | 26.3 |
| 27.5° | 100.3 | 92.2  | 80.3  | 51.4 | 35.5   | 28.1 | 24.8   | 23.7 |
| 30°   | 95.5  | 87.7  | 75.9  | 47.7 | 32.6   | 25.5 | 22.6   | 21.8 |
| 32.5° | 90.3  | 82.5  | 71.4  | 44.0 | 30.0   | 23.7 | 20.7   | 20.0 |
| 35°   | 84.4  | 77.0  | 65.9  | 40.3 | 27.4   | 21.8 | 18.9   | 18.5 |
| 37.5° | 78.5  | 71.1  | 61.1  | 37.4 | 25.2   | 20.0 | 17.4   | 17.0 |
| 40°   | 71.8  | 65.9  | 58.5  | 34.1 | 23.3   | 18.5 | 16.3   | 15.5 |
| 42.5° | 67.7  | 59.6  | 50.3  | 31.1 | 21.5   | 17.0 | 14.8   | 14.4 |
| 45°   | 58.8  | 52.9  | 45.5  | 28.1 | 19.6   | 15.5 | 13.7   | 13.3 |
| 47.5° | 52.9  | 47.7  | 40.7  | 25.2 | 18.1   | 14.4 | 12.6   | 12.2 |
| 50°   | 47.0  | 42.2  | 35.5  | 22.2 | 16.7   | 13.3 | 11.5   | 11.1 |
| 52.5° | 41.1  | 36.3  | 30.4  | 19.6 | 14.8   | 12.2 | 10.4   | 10.0 |
| 55°   | 35.2  | 30.7  | 25.2  | 17.0 | 13.3   | 11.1 | 9.6    | 8.9  |
| 57.5° | 28.9  | 25.2  | 21.5  | 15.2 | 11.8   | 10.0 | 8.5    | 7.8  |
| 60°   | 23.3  | 21.1  | 18.1  | 13.3 | 10.4   | 8.9  | 7.4    | 7.0  |
| 62.5° | 18.9  | 17.0  | 15.2  | 11.5 | 9.3    | 7.8  | 6.7    | 5.6  |
| 65°   | 15.2  | 14.1  | 12.6  | 9.3  | 7.8    | 6.7  | 5.6    | 4.4  |
| 67.5° | 11.8  | 11.1  | 10.0  | 7.8  | 6.3    | 5.6  | 4.1    | 3.3  |
| 70°   | 9.3   | 8.5   | 7.8   | 5.6  | 4.8    | 4.1  | 3.0    | 2.2  |
| 72.5° | 6.7   | 5.9   | 5.6   | 4.1  | 3.3    | 3.0  | 1.9    | 1.1  |
| 75°   | 4.1   | 4.1   | 3.3   | 2.2  | 1.9    | 1.5  | 0.7    | 0.4  |
| 77.5° | 2.2   | 2.2   | 1.9   | 1.1  | 1.1    | 0.4  | 0.0    | 0.0  |
| 80°   | 1.1   | 0.7   | 0.7   | 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)