

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: P1306981

Luminaire Tested: P3SQAS13R709027DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306981  
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: P3SQAS13R709027DE010 E3SQCLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC  
Light Source: -  
Ballast/Driver: -

**Summary**

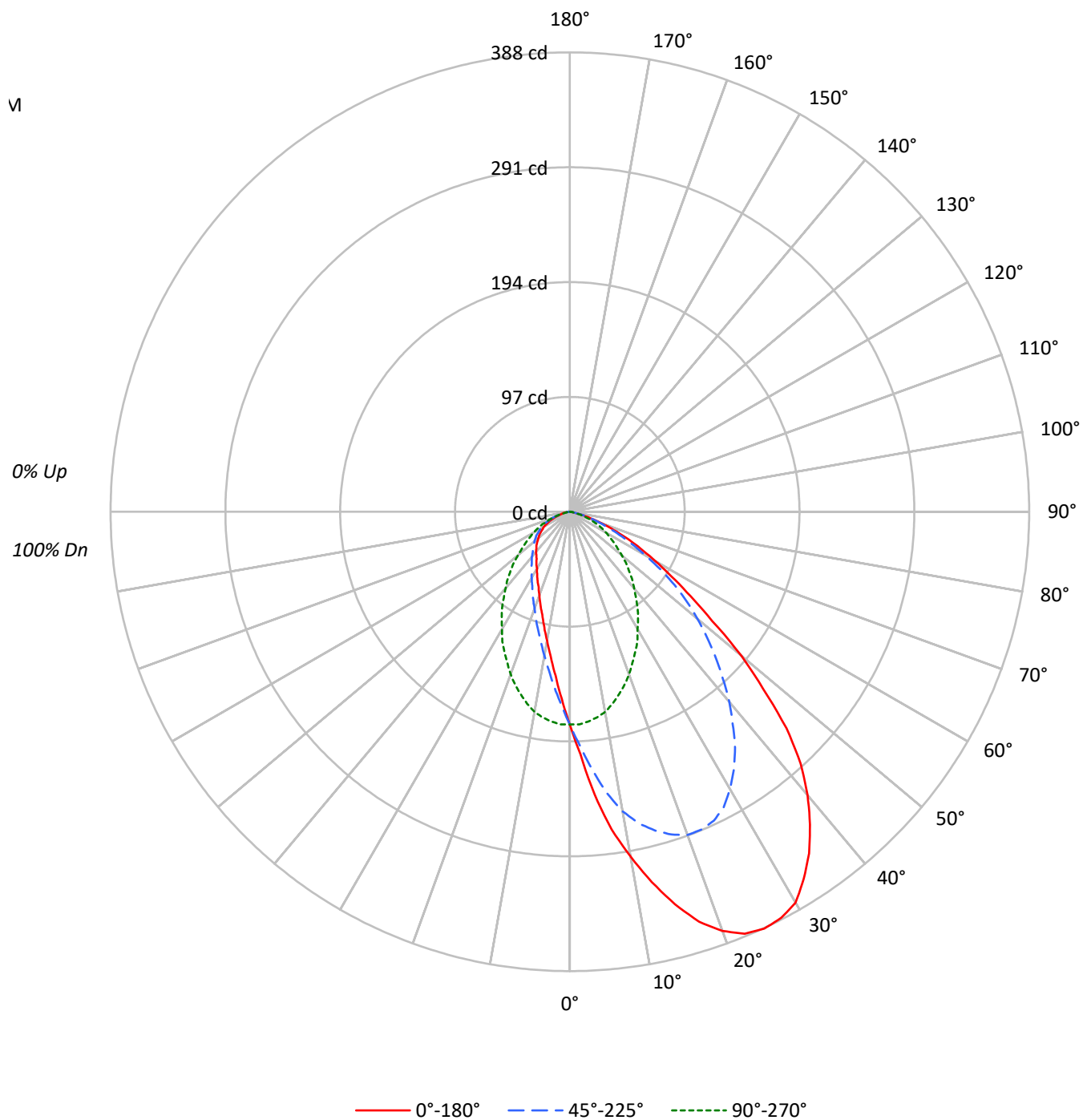
Lumens per Lamp: N/A  
Luminaire Lumens: 439.0 lumens  
Efficiency: N/A  
Efficacy: 30.1 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 90  | 90  | 88  |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 78  | 78  | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 68  | 68  | 66  |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 73  | 66  | 61  | 70  | 65  | 60  | 68  | 64  | 60  | 60  | 60  | 58  |
| 5   | 80  | 69  | 61  | 55  | 78  | 68  | 60  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 53  | 53  | 51  |
| 6   | 75  | 62  | 54  | 48  | 73  | 62  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 47  | 47  | 45  |
| 7   | 69  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 38  | 38  | 36  |
| 9   | 61  | 48  | 40  | 35  | 59  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 35  | 35  | 33  |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 32  | 32  | 30  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 30948 | 30948 | 30948 | 30948 | 30948 |
| 5°  | 41439 | 37826 | 30755 | 25742 | 24013 |
| 10° | 51747 | 44927 | 30009 | 21598 | 19359 |
| 15° | 61174 | 49692 | 28492 | 18454 | 16029 |
| 20° | 69040 | 53242 | 26795 | 15963 | 13801 |
| 25° | 73825 | 54690 | 24836 | 14138 | 12257 |
| 30° | 75827 | 53793 | 22750 | 12827 | 11017 |
| 35° | 74048 | 51153 | 21003 | 11837 | 10302 |
| 40° | 70212 | 47145 | 18975 | 11219 | 10005 |
| 45° | 63009 | 42452 | 17244 | 10838 | 9718  |
| 50° | 50585 | 37698 | 15326 | 10449 | 9244  |
| 55° | 37352 | 32428 | 13632 | 10359 | 9008  |
| 60° | 28761 | 25317 | 12193 | 9989  | 8749  |
| 65° | 21843 | 18868 | 10718 | 9251  | 7784  |
| 70° | 14603 | 13243 | 8208  | 8208  | 6395  |
| 75° | 7852  | 7852  | 5456  | 5456  | 4858  |
| 80° | 1785  | 3570  | 2678  | 3570  | 4463  |
| 85° | 0     | 1778  | 1778  | 3557  | 3557  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63009 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 17.7   | 4.0       |
| 10°-20°   | 53.9   | 12.3      |
| 20°-30°   | 83.0   | 18.9      |
| 30°-40°   | 94.2   | 21.5      |
| 40°-50°   | 85.3   | 19.4      |
| 50°-60°   | 59.6   | 13.6      |
| 60°-70°   | 32.8   | 7.5       |
| 70°-80°   | 11.0   | 2.5       |
| 80°-90°   | 1.4    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 154.7  | 35.2      |
| 0°-40°    | 248.9  | 56.7      |
| 0°-60°    | 393.8  | 89.7      |
| 0°-90°    | 439.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 439.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 180 | 180 | 180 | 180  | 180  |      |
| 5°  | 240 | 219 | 178 | 149  | 139  | 25   |
| 15° | 343 | 279 | 160 | 104  | 90   | 98   |
| 25° | 388 | 288 | 131 | 74   | 64   | 178  |
| 35° | 352 | 243 | 100 | 56   | 49   | 219  |
| 45° | 259 | 174 | 71  | 44   | 40   | 196  |
| 55° | 124 | 108 | 45  | 34   | 30   | 114  |
| 65° | 54  | 46  | 26  | 23   | 19   | 53   |
| 75° | 12  | 12  | 8   | 8    | 7    | 14   |
| 85° | 0   | 1   | 1   | 2    | 2    | 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°    | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 |
| 2.5°  | 205.2 | 207.0 | 207.9 | 206.1 | 205.2 | 204.2 | 202.4 | 201.5 | 199.7 | 197.9 | 197.0 |
| 5°    | 239.7 | 239.7 | 239.7 | 237.8 | 235.1 | 233.3 | 229.7 | 226.9 | 222.4 | 218.8 | 215.1 |
| 7.5°  | 270.5 | 270.5 | 269.6 | 266.9 | 265.1 | 260.5 | 256.0 | 252.4 | 245.1 | 239.7 | 232.4 |
| 10°   | 295.9 | 295.9 | 295.0 | 290.5 | 287.8 | 282.3 | 277.8 | 271.4 | 264.2 | 256.9 | 248.7 |
| 12.5° | 320.4 | 320.4 | 316.8 | 313.2 | 307.7 | 300.5 | 294.1 | 287.8 | 277.8 | 269.6 | 259.6 |
| 15°   | 343.1 | 343.1 | 341.3 | 335.0 | 327.7 | 319.5 | 310.5 | 301.4 | 289.6 | 278.7 | 267.8 |
| 17.5° | 363.1 | 362.2 | 359.5 | 352.2 | 345.0 | 335.0 | 324.1 | 313.2 | 298.7 | 285.9 | 272.3 |
| 20°   | 376.7 | 376.7 | 373.1 | 364.9 | 356.8 | 345.9 | 334.1 | 321.4 | 305.9 | 290.5 | 274.1 |
| 22.5° | 385.8 | 384.9 | 381.3 | 373.1 | 363.1 | 352.2 | 338.6 | 325.0 | 307.7 | 290.5 | 273.2 |
| 25°   | 388.5 | 387.6 | 384.0 | 374.9 | 364.9 | 353.1 | 338.6 | 324.1 | 305.9 | 287.8 | 268.7 |
| 27.5° | 386.7 | 385.8 | 382.2 | 372.2 | 362.2 | 348.6 | 334.1 | 318.6 | 300.5 | 281.4 | 262.3 |
| 30°   | 381.3 | 378.5 | 374.9 | 365.8 | 354.9 | 341.3 | 325.9 | 308.6 | 290.5 | 270.5 | 251.5 |
| 32.5° | 367.6 | 367.6 | 363.1 | 354.0 | 343.1 | 328.6 | 313.2 | 296.8 | 276.9 | 257.8 | 237.8 |
| 35°   | 352.2 | 351.3 | 347.7 | 337.7 | 327.7 | 314.1 | 298.7 | 281.4 | 262.3 | 243.3 | 224.2 |
| 37.5° | 333.2 | 332.2 | 328.6 | 319.5 | 308.6 | 295.9 | 279.6 | 263.3 | 245.1 | 226.0 | 208.8 |
| 40°   | 312.3 | 310.5 | 305.9 | 298.7 | 289.6 | 275.1 | 260.5 | 244.2 | 226.9 | 209.7 | 192.4 |
| 42.5° | 288.7 | 286.9 | 283.2 | 277.8 | 266.9 | 254.2 | 240.6 | 225.1 | 208.8 | 191.5 | 178.8 |
| 45°   | 258.7 | 258.7 | 256.9 | 251.5 | 243.3 | 233.3 | 218.8 | 205.2 | 189.7 | 174.3 | 160.7 |
| 47.5° | 221.5 | 223.3 | 222.4 | 219.7 | 216.0 | 207.0 | 197.0 | 185.2 | 170.7 | 157.0 | 144.3 |
| 50°   | 188.8 | 189.7 | 190.6 | 188.8 | 186.1 | 179.7 | 173.4 | 166.1 | 153.4 | 140.7 | 128.9 |
| 52.5° | 151.6 | 154.3 | 154.3 | 155.2 | 155.2 | 153.4 | 151.6 | 143.4 | 137.1 | 124.4 | 113.5 |
| 55°   | 124.4 | 124.4 | 124.4 | 126.2 | 127.1 | 128.0 | 126.2 | 124.4 | 117.1 | 108.0 | 98.0  |
| 57.5° | 101.7 | 101.7 | 103.5 | 102.6 | 102.6 | 104.4 | 104.4 | 103.5 | 98.9  | 90.8  | 81.7  |
| 60°   | 83.5  | 83.5  | 83.5  | 83.5  | 84.4  | 84.4  | 84.4  | 84.4  | 80.8  | 73.5  | 66.3  |
| 62.5° | 67.2  | 67.2  | 67.2  | 68.1  | 68.1  | 68.1  | 69.0  | 68.1  | 64.5  | 59.0  | 52.7  |
| 65°   | 53.6  | 52.7  | 53.6  | 53.6  | 54.5  | 54.5  | 54.5  | 53.6  | 49.9  | 46.3  | 41.8  |
| 67.5° | 39.9  | 40.8  | 40.8  | 40.8  | 41.8  | 42.7  | 41.8  | 40.8  | 38.1  | 34.5  | 32.7  |
| 70°   | 29.0  | 30.0  | 30.0  | 30.0  | 30.9  | 31.8  | 30.9  | 30.0  | 28.1  | 26.3  | 24.5  |
| 72.5° | 19.1  | 20.0  | 20.0  | 20.9  | 21.8  | 21.8  | 20.9  | 20.9  | 20.0  | 18.2  | 17.2  |
| 75°   | 11.8  | 11.8  | 12.7  | 12.7  | 13.6  | 13.6  | 13.6  | 12.7  | 12.7  | 11.8  | 11.8  |
| 77.5° | 5.4   | 5.4   | 6.4   | 6.4   | 6.4   | 7.3   | 7.3   | 7.3   | 7.3   | 7.3   | 6.4   |
| 80°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 2.7   | 2.7   | 2.7   | 3.6   | 3.6   | 3.6   |
| 82.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 1.8   | 1.8   | 1.8   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9   | 0.9   | 0.9   | 0.9   |
| 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°    | 179.7 | 179.7 | 179.7 | 179.7 | 179.7  | 179.7 | 179.7  | 179.7 |
| 2.5°  | 195.2 | 192.4 | 188.8 | 179.7 | 170.7  | 163.4 | 158.9  | 158.0 |
| 5°    | 210.6 | 206.1 | 197.9 | 177.9 | 161.6  | 148.9 | 141.6  | 138.9 |
| 7.5°  | 226.0 | 217.9 | 206.1 | 175.2 | 150.7  | 135.3 | 127.1  | 123.5 |
| 10°   | 238.7 | 228.8 | 213.3 | 171.6 | 141.6  | 123.5 | 113.5  | 110.7 |
| 12.5° | 248.7 | 236.9 | 217.9 | 166.1 | 132.5  | 112.6 | 102.6  | 99.9  |
| 15°   | 255.1 | 242.4 | 220.6 | 159.8 | 123.5  | 103.5 | 93.5   | 89.9  |
| 17.5° | 257.8 | 242.4 | 219.7 | 153.4 | 115.3  | 95.3  | 85.3   | 82.6  |
| 20°   | 257.8 | 240.6 | 217.0 | 146.2 | 107.1  | 87.1  | 78.1   | 75.3  |
| 22.5° | 255.1 | 236.9 | 210.6 | 138.0 | 99.9   | 80.8  | 71.7   | 69.0  |
| 25°   | 249.6 | 229.7 | 203.3 | 130.7 | 92.6   | 74.4  | 66.3   | 64.5  |
| 27.5° | 241.5 | 221.5 | 194.3 | 123.5 | 86.2   | 69.0  | 61.7   | 59.9  |
| 30°   | 231.5 | 211.5 | 184.3 | 114.4 | 79.9   | 64.5  | 58.1   | 55.4  |
| 32.5° | 218.8 | 199.7 | 173.4 | 107.1 | 74.4   | 59.9  | 54.5   | 52.7  |
| 35°   | 205.2 | 187.9 | 161.6 | 99.9  | 69.0   | 56.3  | 50.8   | 49.0  |
| 37.5° | 191.5 | 173.4 | 151.6 | 91.7  | 64.5   | 52.7  | 48.1   | 46.3  |
| 40°   | 177.0 | 163.4 | 140.7 | 84.4  | 60.8   | 49.9  | 45.4   | 44.5  |
| 42.5° | 162.5 | 148.0 | 125.3 | 78.1  | 56.3   | 46.3  | 42.7   | 41.8  |
| 45°   | 145.2 | 131.6 | 113.5 | 70.8  | 52.7   | 44.5  | 40.8   | 39.9  |
| 47.5° | 130.7 | 118.0 | 101.7 | 64.5  | 49.0   | 41.8  | 38.1   | 37.2  |
| 50°   | 117.1 | 104.4 | 89.0  | 57.2  | 45.4   | 39.0  | 36.3   | 34.5  |
| 52.5° | 101.7 | 90.8  | 77.2  | 50.8  | 41.8   | 36.3  | 33.6   | 32.7  |
| 55°   | 88.1  | 77.2  | 64.5  | 45.4  | 38.1   | 34.5  | 30.9   | 30.0  |
| 57.5° | 72.6  | 63.5  | 54.5  | 39.9  | 34.5   | 30.9  | 29.0   | 27.2  |
| 60°   | 59.0  | 52.7  | 46.3  | 35.4  | 30.9   | 29.0  | 26.3   | 25.4  |
| 62.5° | 48.1  | 43.6  | 39.0  | 30.9  | 27.2   | 25.4  | 23.6   | 21.8  |
| 65°   | 38.1  | 35.4  | 31.8  | 26.3  | 23.6   | 22.7  | 20.9   | 19.1  |
| 67.5° | 30.0  | 28.1  | 25.4  | 20.9  | 20.0   | 19.1  | 17.2   | 15.4  |
| 70°   | 22.7  | 21.8  | 20.0  | 16.3  | 15.4   | 16.3  | 14.5   | 12.7  |
| 72.5° | 16.3  | 15.4  | 14.5  | 11.8  | 11.8   | 11.8  | 10.9   | 9.1   |
| 75°   | 10.9  | 10.0  | 9.1   | 8.2   | 8.2    | 8.2   | 8.2    | 7.3   |
| 77.5° | 6.4   | 6.4   | 5.4   | 4.5   | 5.4    | 5.4   | 6.4    | 6.4   |
| 80°   | 2.7   | 2.7   | 2.7   | 2.7   | 3.6    | 3.6   | 4.5    | 4.5   |
| 82.5° | 1.8   | 1.8   | 1.8   | 1.8   | 2.7    | 2.7   | 2.7    | 2.7   |
| 85°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9    | 1.8   | 1.8    | 1.8   |
| 87.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9    | 0.9   | 0.9    | 0.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)