

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: P1306164

Luminaire Tested: P3SQASS17R709024DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306164  
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: P3SQASS17R709024DE010 E3SQCLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

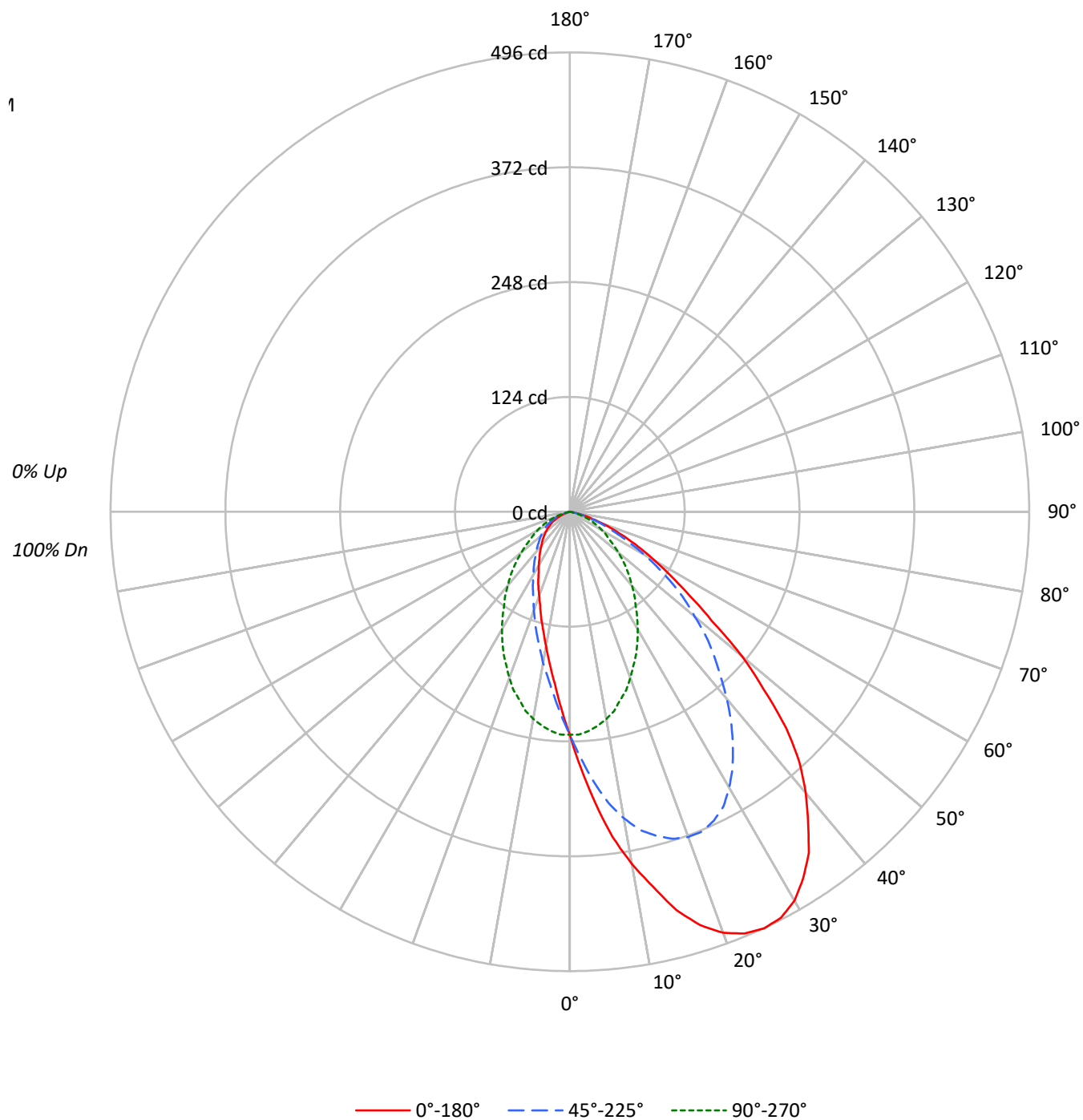
Lumens per Lamp: N/A  
Luminaire Lumens: 540.0 lumens  
Efficiency: N/A  
Efficacy: 25.5 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  | 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°  | 41454 | 41454 | 41454 | 41454 | 41454 |
| 5°  | 54578 | 50464 | 41025 | 34351 | 32190 |
| 10° | 67521 | 58777 | 39715 | 28995 | 25812 |
| 15° | 79378 | 64597 | 37460 | 24498 | 21253 |
| 20° | 88669 | 68472 | 34969 | 20820 | 17686 |
| 25° | 94310 | 69911 | 32153 | 17920 | 15316 |
| 30° | 96430 | 68430 | 29134 | 15591 | 13324 |
| 35° | 94547 | 64461 | 26028 | 14086 | 11942 |
| 40° | 89096 | 59240 | 23494 | 12770 | 10724 |
| 45° | 80496 | 53656 | 21019 | 11618 | 9962  |
| 50° | 65107 | 47156 | 18246 | 10958 | 9136  |
| 55° | 47411 | 40565 | 15674 | 10239 | 8197  |
| 60° | 36752 | 32068 | 14088 | 9403  | 7440  |
| 65° | 27752 | 23147 | 11573 | 8313  | 5542  |
| 70° | 19437 | 16567 | 8560  | 6294  | 3424  |
| 75° | 11312 | 9848  | 4525  | 2994  | 732   |
| 80° | 2281  | 3372  | 1091  | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80496 cd/sqm

TEST NUMBER: P1306164

CATALOG NUMBER: P3SQASS17R709024DE010 E3SQCLSWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.5   | 4.4       |
| 10°-20°   | 70.2   | 13.0      |
| 20°-30°   | 105.8  | 19.6      |
| 30°-40°   | 117.6  | 21.8      |
| 40°-50°   | 104.2  | 19.3      |
| 50°-60°   | 70.8   | 13.1      |
| 60°-70°   | 37.1   | 6.9       |
| 70°-80°   | 10.5   | 1.9       |
| 80°-90°   | 0.3    | 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°    | 199.5  | 36.9      |
| 0°-40°    | 317.1  | 58.7      |
| 0°-60°    | 492.1  | 91.1      |
| 0°-90°    | 540.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 540.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 241 | 241 | 241 | 241  | 241  |      |
| 5°  | 316 | 292 | 237 | 199  | 186  | 32   |
| 15° | 445 | 362 | 210 | 137  | 119  | 126  |
| 25° | 496 | 368 | 169 | 94   | 81   | 228  |
| 35° | 450 | 307 | 124 | 67   | 57   | 279  |
| 45° | 330 | 220 | 86  | 48   | 41   | 250  |
| 55° | 158 | 135 | 52  | 34   | 27   | 146  |
| 65° | 68  | 57  | 28  | 20   | 14   | 69   |
| 75° | 17  | 15  | 7   | 4    | 1    | 19   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1306164

CATALOG NUMBER: P3SQASS17R709024DE010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 | 240.7 |
| 2.5°  | 277.1 | 276.0 | 274.8 | 274.8 | 273.7 | 272.5 | 270.3 | 270.3 | 268.0 | 265.7 | 263.5 |
| 5°    | 315.7 | 315.7 | 315.7 | 312.3 | 312.3 | 307.8 | 305.5 | 300.9 | 296.4 | 291.9 | 286.2 |
| 7.5°  | 354.3 | 354.3 | 350.9 | 349.8 | 346.4 | 341.8 | 338.4 | 331.6 | 323.6 | 316.8 | 307.8 |
| 10°   | 386.1 | 386.1 | 382.7 | 380.4 | 373.6 | 369.1 | 362.3 | 354.3 | 346.4 | 336.1 | 324.8 |
| 12.5° | 414.5 | 415.6 | 411.1 | 406.5 | 399.7 | 392.9 | 383.8 | 373.6 | 363.4 | 352.0 | 337.3 |
| 15°   | 445.2 | 444.0 | 438.3 | 432.7 | 424.7 | 414.5 | 403.1 | 389.5 | 375.9 | 362.3 | 346.4 |
| 17.5° | 467.9 | 466.7 | 461.1 | 454.2 | 444.0 | 431.5 | 419.0 | 403.1 | 387.2 | 370.2 | 350.9 |
| 20°   | 483.8 | 482.6 | 477.0 | 467.9 | 457.7 | 444.0 | 429.3 | 411.1 | 394.1 | 373.6 | 352.0 |
| 22.5° | 492.9 | 491.7 | 484.9 | 477.0 | 464.5 | 449.7 | 433.8 | 414.5 | 395.2 | 373.6 | 349.8 |
| 25°   | 496.3 | 494.0 | 487.2 | 478.1 | 465.6 | 449.7 | 431.5 | 411.1 | 390.7 | 367.9 | 343.0 |
| 27.5° | 494.0 | 491.7 | 483.8 | 473.6 | 459.9 | 441.8 | 423.6 | 403.1 | 381.6 | 358.9 | 332.7 |
| 30°   | 484.9 | 481.5 | 474.7 | 464.5 | 449.7 | 431.5 | 412.2 | 390.7 | 367.9 | 344.1 | 318.0 |
| 32.5° | 469.0 | 466.7 | 459.9 | 448.6 | 433.8 | 415.6 | 396.3 | 373.6 | 350.9 | 327.1 | 300.9 |
| 35°   | 449.7 | 445.2 | 438.3 | 428.1 | 413.4 | 395.2 | 375.9 | 352.0 | 330.5 | 306.6 | 281.6 |
| 37.5° | 422.4 | 421.3 | 413.4 | 405.4 | 390.7 | 371.3 | 353.2 | 330.5 | 308.9 | 286.2 | 261.2 |
| 40°   | 396.3 | 394.1 | 387.2 | 378.2 | 363.4 | 346.4 | 327.1 | 306.6 | 285.0 | 263.5 | 240.7 |
| 42.5° | 366.8 | 363.4 | 358.9 | 349.8 | 336.1 | 319.1 | 300.9 | 280.5 | 261.2 | 240.7 | 220.3 |
| 45°   | 330.5 | 329.3 | 323.6 | 319.1 | 306.6 | 291.9 | 273.7 | 255.5 | 236.2 | 220.3 | 204.4 |
| 47.5° | 283.9 | 282.8 | 281.6 | 278.2 | 271.4 | 261.2 | 247.6 | 230.5 | 215.8 | 199.9 | 178.3 |
| 50°   | 243.0 | 241.9 | 239.6 | 238.5 | 232.8 | 227.1 | 216.9 | 206.7 | 194.2 | 176.0 | 159.0 |
| 52.5° | 193.1 | 194.2 | 197.6 | 198.7 | 197.6 | 193.1 | 188.5 | 185.1 | 168.1 | 156.7 | 140.8 |
| 55°   | 157.9 | 157.9 | 156.7 | 157.9 | 159.0 | 161.3 | 161.3 | 156.7 | 145.4 | 135.1 | 121.5 |
| 57.5° | 129.5 | 129.5 | 129.5 | 129.5 | 129.5 | 130.6 | 130.6 | 129.5 | 123.8 | 113.6 | 101.1 |
| 60°   | 106.7 | 105.6 | 105.6 | 106.7 | 105.6 | 105.6 | 106.7 | 106.7 | 101.1 | 93.1  | 81.8  |
| 62.5° | 86.3  | 86.3  | 86.3  | 85.2  | 85.2  | 86.3  | 86.3  | 85.2  | 80.6  | 72.7  | 64.7  |
| 65°   | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 69.3  | 68.1  | 67.0  | 62.5  | 56.8  | 51.1  |
| 67.5° | 52.2  | 52.2  | 53.4  | 52.2  | 53.4  | 53.4  | 53.4  | 51.1  | 47.7  | 43.2  | 39.7  |
| 70°   | 38.6  | 38.6  | 38.6  | 39.7  | 40.9  | 40.9  | 39.7  | 37.5  | 35.2  | 32.9  | 29.5  |
| 72.5° | 26.1  | 27.3  | 27.3  | 27.3  | 28.4  | 28.4  | 27.3  | 26.1  | 25.0  | 22.7  | 21.6  |
| 75°   | 17.0  | 15.9  | 17.0  | 17.0  | 18.2  | 18.2  | 17.0  | 17.0  | 15.9  | 14.8  | 13.6  |
| 77.5° | 7.9   | 7.9   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 7.9   | 7.9   |
| 80°   | 2.3   | 2.3   | 2.3   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   |
| 82.5° | 0.0   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 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: P1306164

CATALOG NUMBER: P3SQASS17R709024DE010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 240.7 | 240.7 | 240.7 | 240.7 | 240.7  | 240.7 | 240.7  | 240.7 |
| 2.5°  | 261.2 | 257.8 | 253.2 | 240.7 | 229.4  | 219.2 | 213.5  | 212.4 |
| 5°    | 279.4 | 274.8 | 263.5 | 237.3 | 215.8  | 198.7 | 188.5  | 186.2 |
| 7.5°  | 298.7 | 289.6 | 273.7 | 232.8 | 202.1  | 180.6 | 169.2  | 165.8 |
| 10°   | 313.4 | 302.1 | 280.5 | 227.1 | 188.5  | 165.8 | 152.2  | 147.6 |
| 12.5° | 323.6 | 310.0 | 286.2 | 220.3 | 177.2  | 149.9 | 136.3  | 131.7 |
| 15°   | 329.3 | 314.6 | 287.3 | 210.1 | 163.5  | 137.4 | 122.6  | 119.2 |
| 17.5° | 331.6 | 314.6 | 285.0 | 202.1 | 151.0  | 124.9 | 111.3  | 106.7 |
| 20°   | 330.5 | 310.0 | 279.4 | 190.8 | 139.7  | 113.6 | 99.9   | 96.5  |
| 22.5° | 325.9 | 303.2 | 270.3 | 179.4 | 128.3  | 102.2 | 90.8   | 88.6  |
| 25°   | 319.1 | 294.1 | 260.1 | 169.2 | 118.1  | 94.3  | 82.9   | 80.6  |
| 27.5° | 307.8 | 282.8 | 246.4 | 157.9 | 109.0  | 86.3  | 76.1   | 72.7  |
| 30°   | 293.0 | 269.1 | 232.8 | 146.5 | 99.9   | 78.4  | 69.3   | 67.0  |
| 32.5° | 277.1 | 253.2 | 219.2 | 135.1 | 92.0   | 72.7  | 63.6   | 61.3  |
| 35°   | 258.9 | 236.2 | 202.1 | 123.8 | 84.0   | 67.0  | 57.9   | 56.8  |
| 37.5° | 240.7 | 218.0 | 187.4 | 114.7 | 77.2   | 61.3  | 53.4   | 52.2  |
| 40°   | 220.3 | 202.1 | 179.4 | 104.5 | 71.5   | 56.8  | 50.0   | 47.7  |
| 42.5° | 207.8 | 182.8 | 154.4 | 95.4  | 65.9   | 52.2  | 45.4   | 44.3  |
| 45°   | 180.6 | 162.4 | 139.7 | 86.3  | 60.2   | 47.7  | 42.0   | 40.9  |
| 47.5° | 162.4 | 146.5 | 124.9 | 77.2  | 55.6   | 44.3  | 38.6   | 37.5  |
| 50°   | 144.2 | 129.5 | 109.0 | 68.1  | 51.1   | 40.9  | 35.2   | 34.1  |
| 52.5° | 126.1 | 111.3 | 93.1  | 60.2  | 45.4   | 37.5  | 31.8   | 30.7  |
| 55°   | 107.9 | 94.3  | 77.2  | 52.2  | 40.9   | 34.1  | 29.5   | 27.3  |
| 57.5° | 88.6  | 77.2  | 65.9  | 46.6  | 36.3   | 30.7  | 26.1   | 23.8  |
| 60°   | 71.5  | 64.7  | 55.6  | 40.9  | 31.8   | 27.3  | 22.7   | 21.6  |
| 62.5° | 57.9  | 52.2  | 46.6  | 35.2  | 28.4   | 23.8  | 20.4   | 17.0  |
| 65°   | 46.6  | 43.2  | 38.6  | 28.4  | 23.8   | 20.4  | 17.0   | 13.6  |
| 67.5° | 36.3  | 34.1  | 30.7  | 23.8  | 19.3   | 17.0  | 12.5   | 10.2  |
| 70°   | 28.4  | 26.1  | 23.8  | 17.0  | 14.8   | 12.5  | 9.1    | 6.8   |
| 72.5° | 20.4  | 18.2  | 17.0  | 12.5  | 10.2   | 9.1   | 5.7    | 3.4   |
| 75°   | 12.5  | 12.5  | 10.2  | 6.8   | 5.7    | 4.5   | 2.3    | 1.1   |
| 77.5° | 6.8   | 6.8   | 5.7   | 3.4   | 3.4    | 1.1   | 0.0    | 0.0   |
| 80°   | 3.4   | 2.3   | 2.3   | 1.1   | 1.1    | 0.0   | 0.0    | 0.0   |
| 82.5° | 1.1   | 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)