

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: P1311959

Luminaire Tested: P3SQAS02R359727DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359727DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

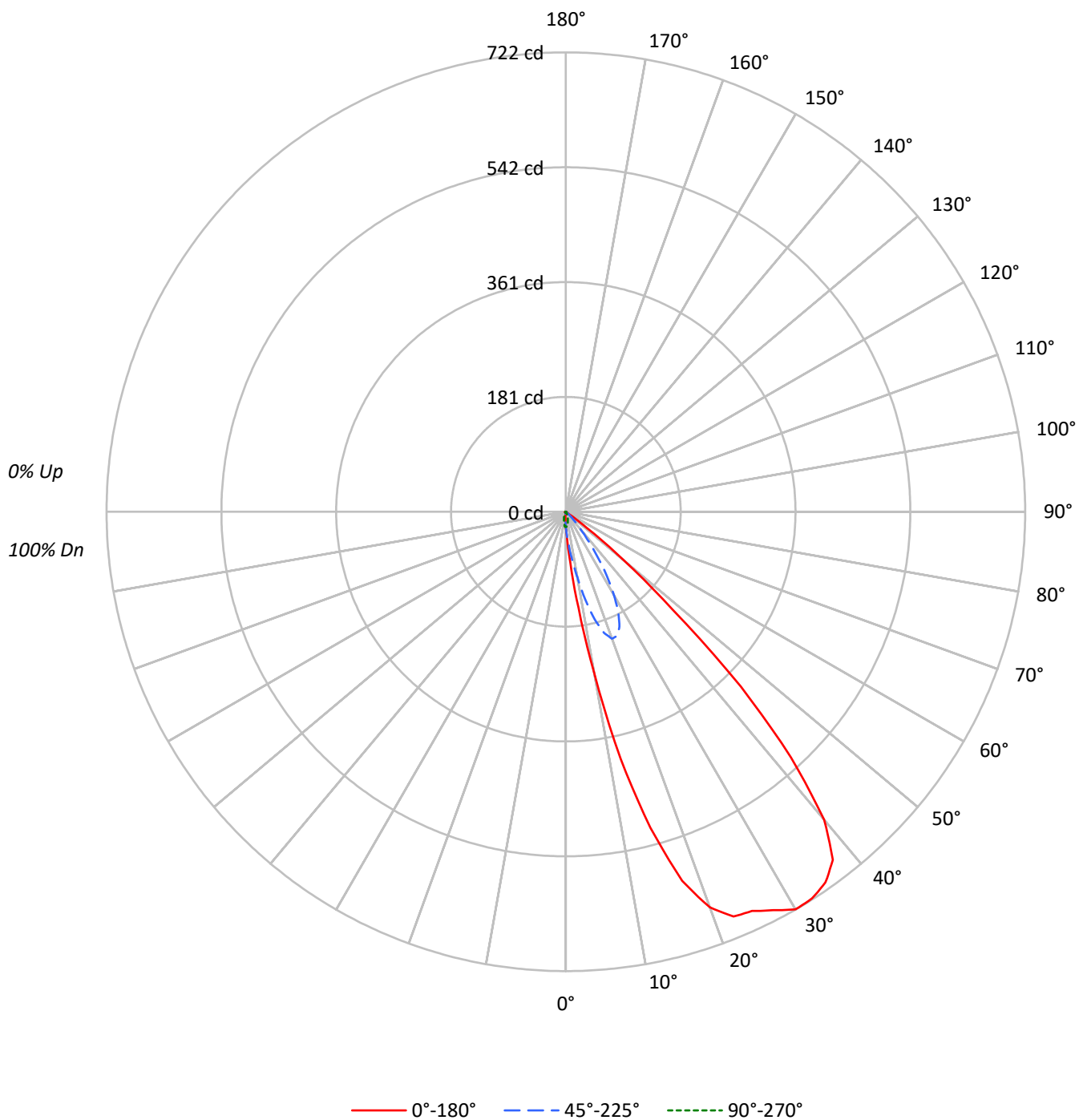
Lumens per Lamp: N/A  
Luminaire Lumens: 227.0 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  |
| 4   | 92  | 83  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 4099   | 4099  | 4099 | 4099 | 4099 |
| 5°  | 13986  | 9094  | 3838 | 1625 | 1193 |
| 10° | 45014  | 18415 | 3025 | 612  | 385  |
| 15° | 91699  | 31238 | 2140 | 214  | 143  |
| 20° | 121255 | 38909 | 1375 | 73   | 73   |
| 25° | 131574 | 37834 | 779  | 38   | 76   |
| 30° | 143541 | 30148 | 318  | 40   | 80   |
| 35° | 149568 | 18775 | 84   | 42   | 84   |
| 40° | 141929 | 8206  | 45   | 90   | 135  |
| 45° | 94745  | 3264  | 49   | 146  | 244  |
| 50° | 31777  | 536   | 107  | 214  | 322  |
| 55° | 1772   | 60    | 120  | 300  | 420  |
| 60° | 138    | 69    | 207  | 344  | 482  |
| 65° | 163    | 82    | 245  | 408  | 571  |
| 70° | 101    | 101   | 302  | 504  | 604  |
| 75° | 133    | 133   | 399  | 532  | 665  |
| 80° | 0      | 198   | 595  | 595  | 595  |
| 85° | 0      | 395   | 1186 | 395  | 790  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94745 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.1    | 1.8       |
| 10°-20°   | 32.6   | 14.4      |
| 20°-30°   | 68.8   | 30.3      |
| 30°-40°   | 78.1   | 34.4      |
| 40°-50°   | 38.4   | 16.9      |
| 50°-60°   | 3.3    | 1.5       |
| 60°-70°   | 0.7    | 0.3       |
| 70°-80°   | 0.6    | 0.3       |
| 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°    | 105.6  | 46.5      |
| 0°-40°    | 183.6  | 80.9      |
| 0°-60°    | 225.4  | 99.3      |
| 0°-90°    | 227.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 227.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 24  | 24  | 24  | 24   | 24   |      |
| 5°  | 81  | 53  | 22  | 9    | 7    | 13   |
| 15° | 514 | 175 | 12  | 1    | 1    | 146  |
| 25° | 692 | 199 | 4   | 0    | 0    | 322  |
| 35° | 711 | 89  | 0   | 0    | 0    | 438  |
| 45° | 389 | 13  | 0   | 1    | 1    | 287  |
| 55° | 6   | 0   | 0   | 1    | 1    | 23   |
| 65° | 0   | 0   | 1   | 1    | 1    | 0    |
| 75° | 0   | 0   | 1   | 1    | 1    | 0    |
| 85° | 0   | 0   | 1   | 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°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  |
| 2.5°  | 41.4  | 42.4  | 42.0  | 41.8  | 41.6  | 40.8  | 38.9  | 38.7  | 36.9  | 35.7  | 29.5  |
| 5°    | 80.9  | 79.3  | 79.7  | 77.4  | 74.6  | 70.5  | 67.9  | 62.1  | 57.5  | 52.6  | 34.4  |
| 7.5°  | 152.4 | 150.2 | 145.9 | 139.4 | 132.7 | 123.9 | 110.6 | 100.1 | 87.8  | 76.2  | 38.3  |
| 10°   | 257.4 | 256.1 | 250.6 | 233.9 | 219.3 | 195.8 | 173.8 | 150.6 | 127.8 | 105.3 | 41.0  |
| 12.5° | 397.6 | 389.2 | 379.2 | 357.0 | 328.1 | 298.7 | 255.3 | 215.2 | 178.7 | 141.2 | 41.2  |
| 15°   | 514.3 | 509.0 | 495.0 | 466.0 | 431.2 | 388.8 | 337.2 | 283.2 | 228.2 | 175.2 | 39.1  |
| 17.5° | 608.3 | 600.1 | 582.0 | 553.6 | 513.5 | 458.5 | 398.2 | 332.3 | 265.3 | 199.5 | 35.7  |
| 20°   | 661.6 | 657.4 | 643.5 | 615.2 | 571.4 | 511.3 | 442.6 | 366.0 | 288.5 | 212.3 | 31.2  |
| 22.5° | 688.5 | 685.5 | 675.3 | 652.7 | 611.7 | 551.2 | 472.5 | 383.5 | 295.3 | 210.9 | 26.5  |
| 25°   | 692.4 | 691.6 | 682.8 | 665.7 | 631.5 | 571.6 | 485.6 | 386.8 | 289.8 | 199.1 | 22.0  |
| 27.5° | 705.9 | 703.0 | 692.6 | 675.5 | 641.1 | 575.0 | 481.1 | 375.5 | 272.0 | 178.3 | 18.3  |
| 30°   | 721.8 | 719.7 | 709.3 | 691.6 | 650.8 | 571.8 | 465.2 | 350.7 | 243.7 | 151.6 | 13.7  |
| 32.5° | 720.5 | 719.7 | 711.0 | 692.2 | 643.9 | 552.6 | 436.9 | 313.4 | 205.2 | 119.6 | 8.6   |
| 35°   | 711.4 | 708.5 | 697.5 | 668.6 | 604.4 | 503.3 | 383.1 | 262.9 | 162.4 | 89.3  | 5.5   |
| 37.5° | 689.4 | 683.2 | 664.7 | 615.6 | 533.7 | 427.3 | 312.0 | 203.0 | 114.9 | 59.7  | 3.5   |
| 40°   | 631.3 | 623.5 | 586.2 | 526.9 | 441.2 | 336.6 | 232.1 | 139.6 | 75.8  | 36.5  | 1.4   |
| 42.5° | 523.7 | 508.0 | 470.7 | 409.8 | 329.3 | 238.0 | 152.4 | 90.5  | 44.6  | 22.0  | 0.4   |
| 45°   | 389.0 | 377.0 | 337.8 | 282.6 | 215.8 | 152.6 | 92.3  | 48.9  | 24.7  | 13.4  | 0.2   |
| 47.5° | 226.6 | 219.3 | 199.1 | 162.8 | 119.2 | 80.1  | 47.3  | 26.3  | 14.5  | 6.5   | 0.2   |
| 50°   | 118.6 | 109.4 | 94.1  | 71.3  | 52.6  | 36.9  | 23.0  | 14.1  | 7.1   | 2.0   | 0.2   |
| 52.5° | 41.6  | 41.0  | 37.3  | 28.1  | 22.8  | 16.5  | 11.2  | 6.1   | 2.0   | 0.4   | 0.2   |
| 55°   | 5.9   | 5.9   | 5.5   | 6.1   | 6.5   | 5.9   | 3.9   | 1.6   | 0.4   | 0.2   | 0.2   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.6   | 0.8   | 0.8   | 0.6   | 0.2   | 0.2   | 0.2   | 0.4   |
| 60°   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 62.5° | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 65°   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 77.5° | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.4   |
| 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):**

|       | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0°    | 23.8 | 23.8   | 23.8 | 23.8   | 23.8 |
| 2.5°  | 23.6 | 19.0   | 15.1 | 13.2   | 12.6 |
| 5°    | 22.2 | 14.3   | 9.4  | 7.3    | 6.9  |
| 7.5°  | 19.8 | 10.2   | 5.7  | 4.1    | 3.9  |
| 10°   | 17.3 | 7.3    | 3.5  | 2.4    | 2.2  |
| 12.5° | 14.5 | 5.1    | 2.2  | 1.4    | 1.2  |
| 15°   | 12.0 | 3.5    | 1.2  | 1.0    | 0.8  |
| 17.5° | 9.6  | 2.2    | 0.8  | 0.6    | 0.8  |
| 20°   | 7.5  | 1.4    | 0.4  | 0.4    | 0.4  |
| 22.5° | 5.7  | 0.8    | 0.4  | 0.4    | 0.4  |
| 25°   | 4.1  | 0.4    | 0.2  | 0.2    | 0.4  |
| 27.5° | 2.9  | 0.2    | 0.2  | 0.2    | 0.4  |
| 30°   | 1.6  | 0.2    | 0.2  | 0.2    | 0.4  |
| 32.5° | 0.8  | 0.2    | 0.2  | 0.4    | 0.4  |
| 35°   | 0.4  | 0.2    | 0.2  | 0.4    | 0.4  |
| 37.5° | 0.2  | 0.2    | 0.2  | 0.4    | 0.6  |
| 40°   | 0.2  | 0.2    | 0.4  | 0.6    | 0.6  |
| 42.5° | 0.2  | 0.2    | 0.4  | 0.6    | 0.8  |
| 45°   | 0.2  | 0.4    | 0.6  | 0.8    | 1.0  |
| 47.5° | 0.4  | 0.4    | 0.8  | 1.0    | 1.2  |
| 50°   | 0.4  | 0.6    | 0.8  | 1.2    | 1.2  |
| 52.5° | 0.4  | 0.6    | 1.0  | 1.2    | 1.4  |
| 55°   | 0.4  | 0.8    | 1.0  | 1.4    | 1.4  |
| 57.5° | 0.6  | 0.8    | 1.0  | 1.4    | 1.4  |
| 60°   | 0.6  | 0.8    | 1.0  | 1.4    | 1.4  |
| 62.5° | 0.6  | 0.8    | 1.0  | 1.4    | 1.4  |
| 65°   | 0.6  | 0.8    | 1.0  | 1.4    | 1.4  |
| 67.5° | 0.6  | 0.8    | 1.0  | 1.2    | 1.4  |
| 70°   | 0.6  | 0.8    | 1.0  | 1.2    | 1.2  |
| 72.5° | 0.8  | 0.8    | 1.0  | 1.2    | 1.2  |
| 75°   | 0.6  | 0.8    | 0.8  | 1.0    | 1.0  |
| 77.5° | 0.6  | 0.6    | 0.6  | 0.8    | 0.8  |
| 80°   | 0.6  | 0.6    | 0.6  | 0.6    | 0.6  |
| 82.5° | 0.6  | 0.4    | 0.4  | 0.6    | 0.6  |
| 85°   | 0.6  | 0.4    | 0.2  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)