

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: P1335403

Luminaire Tested: P3A02R359730DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R359730DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

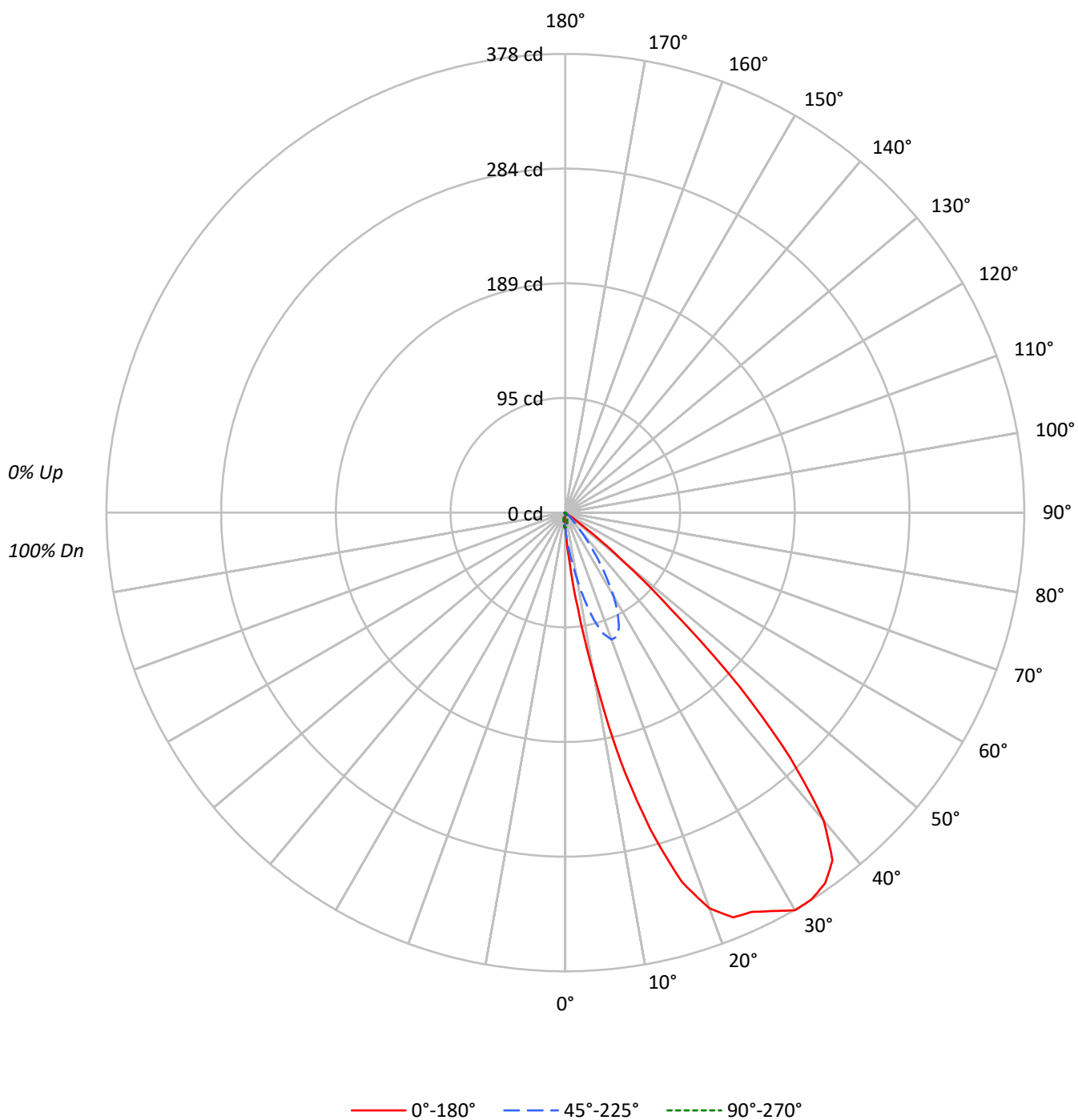
Lumens per Lamp: N/A  
Luminaire Lumens: 118.9 lumens  
Efficiency: N/A  
Efficacy: 33.0 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |    | 0  |
| 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   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 83  |    |    |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 76  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  |    |    |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 2741  | 2741  | 2741 | 2741 | 2741 |
| 5°  | 9333  | 6075  | 2553 | 1079 | 792  |
| 10° | 30037 | 12291 | 2026 | 401  | 267  |
| 15° | 61204 | 20863 | 1430 | 136  | 91   |
| 20° | 80950 | 25972 | 933  | 47   | 47   |
| 25° | 87828 | 25260 | 508  | 24   | 48   |
| 30° | 95812 | 20130 | 228  | 25   | 51   |
| 35° | 99822 | 12528 | 54   | 27   | 54   |
| 40° | 94720 | 5467  | 29   | 57   | 86   |
| 45° | 63231 | 2202  | 31   | 93   | 155  |
| 50° | 21219 | 375   | 68   | 136  | 205  |
| 55° | 1185  | 38    | 76   | 191  | 268  |
| 60° | 88    | 44    | 132  | 219  | 307  |
| 65° | 104   | 52    | 156  | 259  | 363  |
| 70° | 64    | 64    | 192  | 321  | 385  |
| 75° | 85    | 85    | 254  | 339  | 424  |
| 80° | 0     | 126   | 379  | 379  | 379  |
| 85° | 0     | 252   | 755  | 252  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63231 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.2    | 1.8       |
| 10°-20°   | 17.1   | 14.4      |
| 20°-30°   | 36.1   | 30.3      |
| 30°-40°   | 40.9   | 34.4      |
| 40°-50°   | 20.1   | 16.9      |
| 50°-60°   | 1.7    | 1.5       |
| 60°-70°   | 0.3    | 0.3       |
| 70°-80°   | 0.3    | 0.3       |
| 80°-90°   | 0.2    | 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°    | 55.3   | 46.5      |
| 0°-40°    | 96.3   | 80.9      |
| 0°-60°    | 118.1  | 99.3      |
| 0°-90°    | 118.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 118.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 12  | 12  | 12  | 12   | 12   |      |
| 5°  | 42  | 28  | 12  | 5    | 4    | 7    |
| 15° | 270 | 92  | 6   | 1    | 0    | 77   |
| 25° | 363 | 104 | 2   | 0    | 0    | 169  |
| 35° | 373 | 47  | 0   | 0    | 0    | 230  |
| 45° | 204 | 7   | 0   | 0    | 0    | 151  |
| 55° | 3   | 0   | 0   | 0    | 1    | 12   |
| 65° | 0   | 0   | 0   | 0    | 1    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 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°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  |
| 2.5°  | 21.7  | 22.2  | 22.0  | 21.9  | 21.8  | 21.4  | 20.4  | 20.3  | 19.3  | 18.7  | 15.5  |
| 5°    | 42.4  | 41.6  | 41.8  | 40.6  | 39.1  | 37.0  | 35.6  | 32.6  | 30.1  | 27.6  | 18.1  |
| 7.5°  | 79.9  | 78.7  | 76.5  | 73.1  | 69.5  | 64.9  | 58.0  | 52.4  | 46.0  | 40.0  | 20.1  |
| 10°   | 134.9 | 134.3 | 131.4 | 122.6 | 114.9 | 102.7 | 91.1  | 78.9  | 67.0  | 55.2  | 21.5  |
| 12.5° | 208.4 | 204.0 | 198.8 | 187.2 | 172.0 | 156.6 | 133.8 | 112.8 | 93.7  | 74.0  | 21.6  |
| 15°   | 269.6 | 266.8 | 259.5 | 244.3 | 226.0 | 203.8 | 176.8 | 148.5 | 119.6 | 91.9  | 20.5  |
| 17.5° | 318.9 | 314.6 | 305.1 | 290.2 | 269.2 | 240.3 | 208.7 | 174.2 | 139.1 | 104.6 | 18.7  |
| 20°   | 346.9 | 344.6 | 337.3 | 322.5 | 299.5 | 268.0 | 232.0 | 191.9 | 151.3 | 111.3 | 16.3  |
| 22.5° | 361.0 | 359.3 | 354.0 | 342.2 | 320.7 | 289.0 | 247.7 | 201.0 | 154.8 | 110.6 | 13.9  |
| 25°   | 363.0 | 362.6 | 358.0 | 349.0 | 331.0 | 299.6 | 254.6 | 202.7 | 151.9 | 104.4 | 11.5  |
| 27.5° | 370.0 | 368.5 | 363.1 | 354.1 | 336.1 | 301.5 | 252.2 | 196.9 | 142.6 | 93.5  | 9.6   |
| 30°   | 378.4 | 377.3 | 371.8 | 362.6 | 341.2 | 299.7 | 243.9 | 183.8 | 127.8 | 79.5  | 7.2   |
| 32.5° | 377.7 | 377.3 | 372.7 | 362.9 | 337.6 | 289.7 | 229.0 | 164.3 | 107.6 | 62.7  | 4.5   |
| 35°   | 372.9 | 371.4 | 365.7 | 350.5 | 316.8 | 263.9 | 200.8 | 137.8 | 85.1  | 46.8  | 2.9   |
| 37.5° | 361.4 | 358.2 | 348.5 | 322.7 | 279.8 | 224.0 | 163.5 | 106.4 | 60.2  | 31.3  | 1.8   |
| 40°   | 330.9 | 326.9 | 307.3 | 276.2 | 231.3 | 176.5 | 121.7 | 73.2  | 39.7  | 19.1  | 0.7   |
| 42.5° | 274.5 | 266.3 | 246.8 | 214.8 | 172.6 | 124.8 | 79.9  | 47.4  | 23.4  | 11.5  | 0.2   |
| 45°   | 203.9 | 197.6 | 177.1 | 148.2 | 113.1 | 80.0  | 48.4  | 25.6  | 12.9  | 7.1   | 0.1   |
| 47.5° | 118.8 | 114.9 | 104.4 | 85.4  | 62.5  | 42.0  | 24.8  | 13.8  | 7.6   | 3.4   | 0.1   |
| 50°   | 62.2  | 57.4  | 49.4  | 37.4  | 27.6  | 19.3  | 12.1  | 7.4   | 3.7   | 1.1   | 0.1   |
| 52.5° | 21.8  | 21.5  | 19.5  | 14.7  | 12.0  | 8.7   | 5.9   | 3.2   | 1.1   | 0.2   | 0.1   |
| 55°   | 3.1   | 3.1   | 2.9   | 3.2   | 3.4   | 3.1   | 2.0   | 0.9   | 0.2   | 0.1   | 0.1   |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.3   | 0.4   | 0.4   | 0.3   | 0.1   | 0.1   | 0.1   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 62.5° | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 65°   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 67.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 70°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 75°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 77.5° | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.2   |
| 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°    | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 |
| 2.5°  | 12.4 | 9.9    | 7.9  | 6.9    | 6.6  |
| 5°    | 11.6 | 7.5    | 4.9  | 3.8    | 3.6  |
| 7.5°  | 10.4 | 5.3    | 3.0  | 2.1    | 2.0  |
| 10°   | 9.1  | 3.8    | 1.8  | 1.3    | 1.2  |
| 12.5° | 7.6  | 2.7    | 1.2  | 0.7    | 0.6  |
| 15°   | 6.3  | 1.8    | 0.6  | 0.5    | 0.4  |
| 17.5° | 5.0  | 1.2    | 0.4  | 0.3    | 0.4  |
| 20°   | 4.0  | 0.7    | 0.2  | 0.2    | 0.2  |
| 22.5° | 3.0  | 0.4    | 0.2  | 0.2    | 0.2  |
| 25°   | 2.1  | 0.2    | 0.1  | 0.1    | 0.2  |
| 27.5° | 1.5  | 0.1    | 0.1  | 0.1    | 0.2  |
| 30°   | 0.9  | 0.1    | 0.1  | 0.1    | 0.2  |
| 32.5° | 0.4  | 0.1    | 0.1  | 0.2    | 0.2  |
| 35°   | 0.2  | 0.1    | 0.1  | 0.2    | 0.2  |
| 37.5° | 0.1  | 0.1    | 0.1  | 0.2    | 0.3  |
| 40°   | 0.1  | 0.1    | 0.2  | 0.3    | 0.3  |
| 42.5° | 0.1  | 0.1    | 0.2  | 0.3    | 0.4  |
| 45°   | 0.1  | 0.2    | 0.3  | 0.4    | 0.5  |
| 47.5° | 0.2  | 0.2    | 0.4  | 0.5    | 0.6  |
| 50°   | 0.2  | 0.3    | 0.4  | 0.6    | 0.6  |
| 52.5° | 0.2  | 0.3    | 0.5  | 0.6    | 0.7  |
| 55°   | 0.2  | 0.4    | 0.5  | 0.7    | 0.7  |
| 57.5° | 0.3  | 0.4    | 0.5  | 0.7    | 0.7  |
| 60°   | 0.3  | 0.4    | 0.5  | 0.7    | 0.7  |
| 62.5° | 0.3  | 0.4    | 0.5  | 0.7    | 0.7  |
| 65°   | 0.3  | 0.4    | 0.5  | 0.7    | 0.7  |
| 67.5° | 0.3  | 0.4    | 0.5  | 0.6    | 0.7  |
| 70°   | 0.3  | 0.4    | 0.5  | 0.6    | 0.6  |
| 72.5° | 0.4  | 0.4    | 0.5  | 0.6    | 0.6  |
| 75°   | 0.3  | 0.4    | 0.4  | 0.5    | 0.5  |
| 77.5° | 0.3  | 0.3    | 0.3  | 0.4    | 0.4  |
| 80°   | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 82.5° | 0.3  | 0.2    | 0.2  | 0.3    | 0.3  |
| 85°   | 0.3  | 0.2    | 0.1  | 0.2    | 0.2  |
| 87.5° | 0.2  | 0.2    | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)