

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: P1335274

Luminaire Tested: P3A02R359024DE010 E3A301H

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335274  
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: P3A02R359024DE010 E3A301H  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

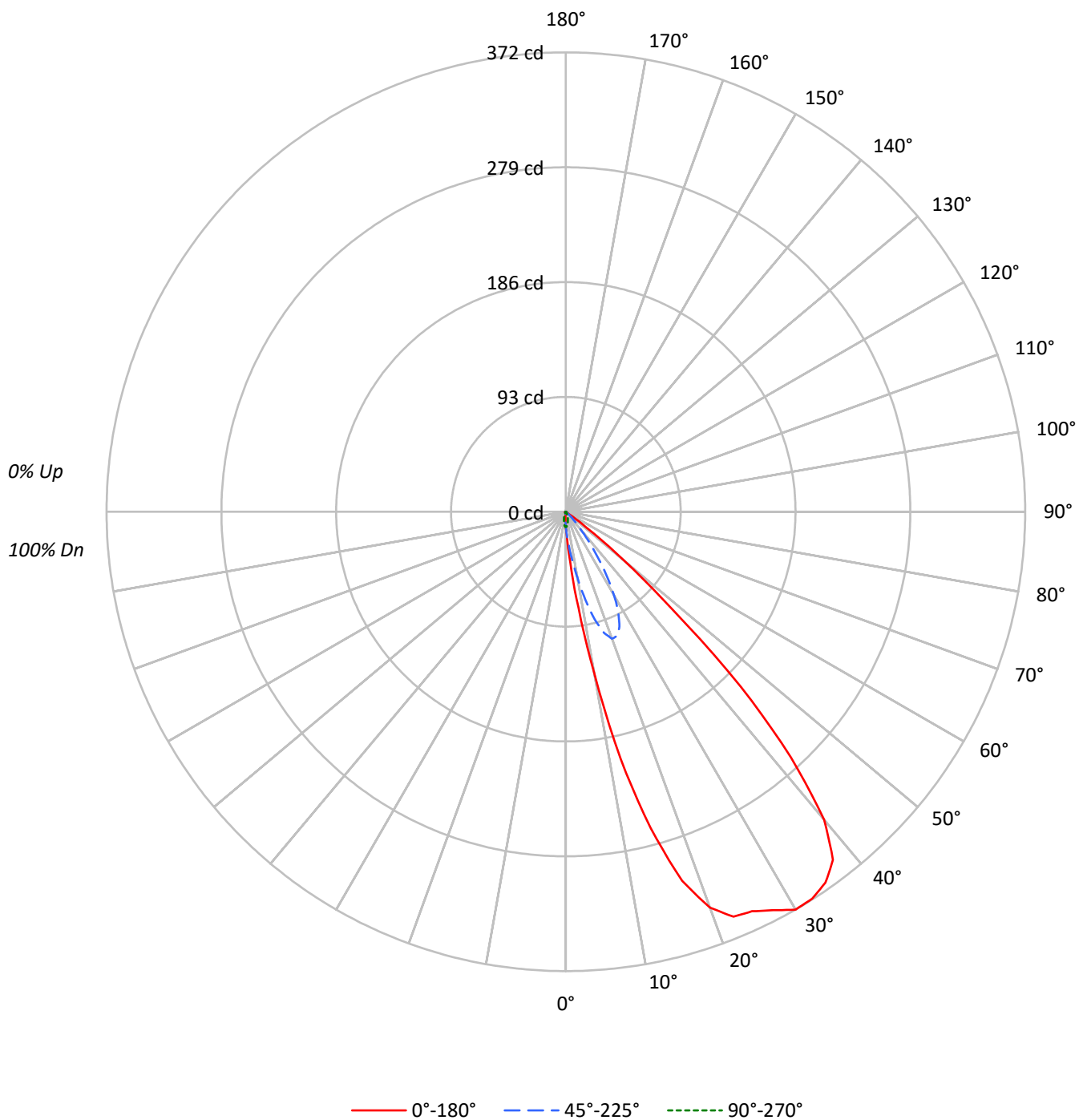
Lumens per Lamp: N/A  
Luminaire Lumens: 116.9 lumens  
Efficiency: N/A  
Efficacy: 32.5 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 0   |
| 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  | 74  |
| 4   | 92  | 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   | 75  | 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°  | 2697  | 2697  | 2697 | 2697 | 2697 |
| 5°  | 9179  | 5965  | 2509 | 1057 | 792  |
| 10° | 29525 | 12091 | 1982 | 401  | 267  |
| 15° | 60182 | 20500 | 1407 | 136  | 91   |
| 20° | 79574 | 25529 | 910  | 47   | 47   |
| 25° | 86352 | 24824 | 508  | 24   | 48   |
| 30° | 94192 | 19775 | 203  | 25   | 51   |
| 35° | 98136 | 12314 | 54   | 27   | 54   |
| 40° | 93146 | 5382  | 29   | 57   | 86   |
| 45° | 62177 | 2140  | 31   | 93   | 155  |
| 50° | 20844 | 375   | 68   | 136  | 205  |
| 55° | 1147  | 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: 62177 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.1    | 1.8       |
| 10°-20°   | 16.8   | 14.4      |
| 20°-30°   | 35.5   | 30.3      |
| 30°-40°   | 40.2   | 34.4      |
| 40°-50°   | 19.8   | 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°    | 54.4   | 46.5      |
| 0°-40°    | 94.6   | 80.9      |
| 0°-60°    | 116.1  | 99.3      |
| 0°-90°    | 116.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 116.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 12  | 12  | 12  | 12   | 12   |      |
| 5°  | 42  | 27  | 11  | 5    | 4    | 7    |
| 15° | 265 | 90  | 6   | 1    | 0    | 75   |
| 25° | 357 | 103 | 2   | 0    | 0    | 166  |
| 35° | 367 | 46  | 0   | 0    | 0    | 226  |
| 45° | 200 | 7   | 0   | 0    | 0    | 148  |
| 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°    | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  |
| 2.5°  | 21.3  | 21.8  | 21.6  | 21.5  | 21.4  | 21.0  | 20.1  | 20.0  | 19.0  | 18.4  | 15.2  |
| 5°    | 41.7  | 40.9  | 41.1  | 39.9  | 38.4  | 36.3  | 35.0  | 32.0  | 29.6  | 27.1  | 17.7  |
| 7.5°  | 78.6  | 77.4  | 75.2  | 71.8  | 68.4  | 63.9  | 57.0  | 51.6  | 45.3  | 39.3  | 19.7  |
| 10°   | 132.6 | 132.0 | 129.2 | 120.6 | 113.0 | 100.9 | 89.6  | 77.6  | 65.9  | 54.3  | 21.1  |
| 12.5° | 204.9 | 200.6 | 195.5 | 184.0 | 169.1 | 154.0 | 131.6 | 110.9 | 92.1  | 72.8  | 21.2  |
| 15°   | 265.1 | 262.4 | 255.1 | 240.2 | 222.2 | 200.4 | 173.8 | 146.0 | 117.6 | 90.3  | 20.2  |
| 17.5° | 313.5 | 309.3 | 300.0 | 285.4 | 264.7 | 236.3 | 205.2 | 171.3 | 136.7 | 102.8 | 18.4  |
| 20°   | 341.0 | 338.8 | 331.7 | 317.1 | 294.5 | 263.5 | 228.1 | 188.6 | 148.7 | 109.4 | 16.1  |
| 22.5° | 354.9 | 353.3 | 348.1 | 336.4 | 315.3 | 284.1 | 243.6 | 197.7 | 152.2 | 108.7 | 13.7  |
| 25°   | 356.9 | 356.5 | 351.9 | 343.1 | 325.5 | 294.6 | 250.3 | 199.3 | 149.3 | 102.6 | 11.3  |
| 27.5° | 363.8 | 362.3 | 357.0 | 348.2 | 330.4 | 296.4 | 248.0 | 193.6 | 140.2 | 91.9  | 9.5   |
| 30°   | 372.0 | 371.0 | 365.6 | 356.5 | 335.5 | 294.7 | 239.8 | 180.8 | 125.6 | 78.1  | 7.0   |
| 32.5° | 371.4 | 371.0 | 366.4 | 356.8 | 331.9 | 284.8 | 225.2 | 161.5 | 105.8 | 61.7  | 4.4   |
| 35°   | 366.6 | 365.2 | 359.5 | 344.6 | 311.5 | 259.4 | 197.4 | 135.5 | 83.7  | 46.0  | 2.8   |
| 37.5° | 355.3 | 352.2 | 342.6 | 317.3 | 275.1 | 220.2 | 160.8 | 104.6 | 59.2  | 30.8  | 1.8   |
| 40°   | 325.4 | 321.4 | 302.2 | 271.6 | 227.4 | 173.5 | 119.6 | 71.9  | 39.1  | 18.8  | 0.7   |
| 42.5° | 269.9 | 261.8 | 242.6 | 211.2 | 169.7 | 122.7 | 78.6  | 46.6  | 23.0  | 11.3  | 0.2   |
| 45°   | 200.5 | 194.3 | 174.1 | 145.7 | 111.2 | 78.7  | 47.6  | 25.2  | 12.7  | 6.9   | 0.1   |
| 47.5° | 116.8 | 113.0 | 102.6 | 83.9  | 61.4  | 41.3  | 24.4  | 13.5  | 7.5   | 3.4   | 0.1   |
| 50°   | 61.1  | 56.4  | 48.5  | 36.8  | 27.1  | 19.0  | 11.9  | 7.2   | 3.7   | 1.1   | 0.1   |
| 52.5° | 21.4  | 21.1  | 19.2  | 14.5  | 11.8  | 8.5   | 5.8   | 3.2   | 1.1   | 0.2   | 0.1   |
| 55°   | 3.0   | 3.0   | 2.8   | 3.2   | 3.4   | 3.0   | 2.0   | 0.8   | 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°    | 12.3 | 12.3   | 12.3 | 12.3   | 12.3 |
| 2.5°  | 12.2 | 9.8    | 7.8  | 6.8    | 6.5  |
| 5°    | 11.4 | 7.4    | 4.8  | 3.8    | 3.6  |
| 7.5°  | 10.2 | 5.3    | 2.9  | 2.1    | 2.0  |
| 10°   | 8.9  | 3.8    | 1.8  | 1.3    | 1.2  |
| 12.5° | 7.5  | 2.6    | 1.2  | 0.7    | 0.6  |
| 15°   | 6.2  | 1.8    | 0.6  | 0.5    | 0.4  |
| 17.5° | 4.9  | 1.2    | 0.4  | 0.3    | 0.4  |
| 20°   | 3.9  | 0.7    | 0.2  | 0.2    | 0.2  |
| 22.5° | 2.9  | 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°   | 0.8  | 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)