

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: P1335067

Luminaire Tested: P3A02R309730DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R309730DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

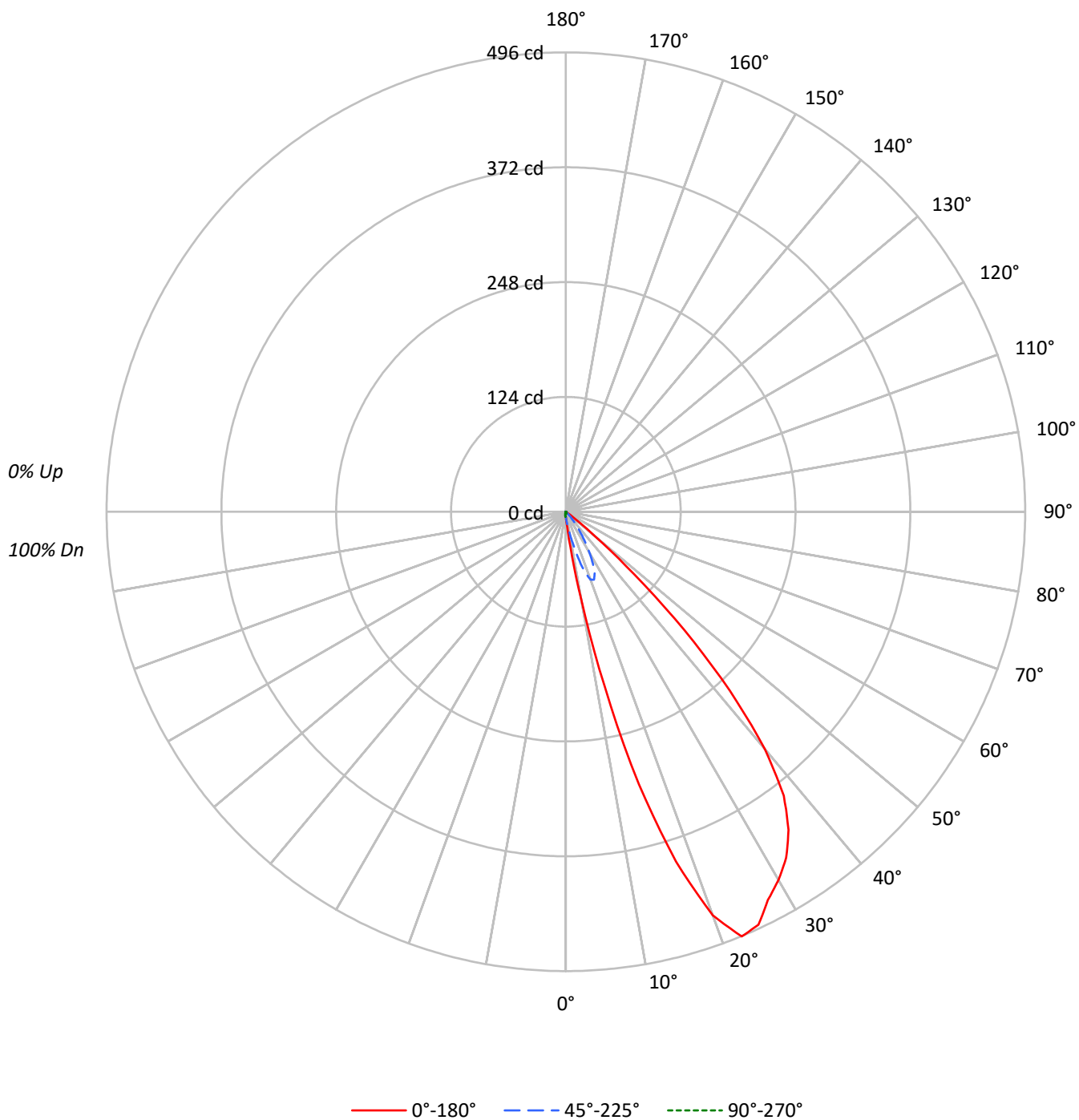
Lumens per Lamp: N/A  
Luminaire Lumens: 116.9 lumens  
Efficiency: N/A  
Efficacy: 32.5 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 |
| 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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 67  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 43  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1228   | 1228  | 1228 | 1228 | 1228 |
| 5°  | 3676   | 2443  | 1145 | 528  | 418  |
| 10° | 21264  | 5188  | 913  | 245  | 156  |
| 15° | 69149  | 11782 | 636  | 45   | 23   |
| 20° | 108206 | 18202 | 397  | 0    | 0    |
| 25° | 119039 | 17807 | 218  | 0    | 0    |
| 30° | 116271 | 12837 | 76   | 0    | 0    |
| 35° | 112217 | 7308  | 27   | 0    | 0    |
| 40° | 95694  | 3092  | 0    | 0    | 0    |
| 45° | 56161  | 1147  | 31   | 0    | 31   |
| 50° | 13646  | 205   | 34   | 34   | 102  |
| 55° | 1185   | 0     | 76   | 115  | 153  |
| 60° | 44     | 0     | 88   | 132  | 219  |
| 65° | 52     | 52    | 156  | 156  | 259  |
| 70° | 64     | 64    | 192  | 192  | 256  |
| 75° | 0      | 85    | 254  | 254  | 254  |
| 80° | 0      | 126   | 379  | 253  | 253  |
| 85° | 0      | 252   | 755  | 252  | 252  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56161 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.0    | 0.9       |
| 10°-20°   | 16.1   | 13.8      |
| 20°-30°   | 40.9   | 34.9      |
| 30°-40°   | 40.7   | 34.8      |
| 40°-50°   | 16.5   | 14.1      |
| 50°-60°   | 1.1    | 1.0       |
| 60°-70°   | 0.2    | 0.2       |
| 70°-80°   | 0.2    | 0.2       |
| 80°-90°   | 0.1    | 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°    | 58.0   | 49.6      |
| 0°-40°    | 98.7   | 84.4      |
| 0°-60°    | 116.3  | 99.5      |
| 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°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 17  | 11  | 5   | 2    | 2    | 4    |
| 15° | 305 | 52  | 3   | 0    | 0    | 89   |
| 25° | 492 | 74  | 1   | 0    | 0    | 222  |
| 35° | 419 | 27  | 0   | 0    | 0    | 257  |
| 45° | 181 | 4   | 0   | 0    | 0    | 138  |
| 55° | 3   | 0   | 0   | 0    | 0    | 8    |
| 65° | 0   | 0   | 0   | 0    | 0    | 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°    | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   | 5.6  | 5.6   |
| 2.5°  | 9.2   | 9.3   | 9.3   | 9.1   | 9.0   | 9.0   | 8.7   | 8.6   | 8.2   | 7.9  | 6.8   |
| 5°    | 16.7  | 16.4  | 15.9  | 15.9  | 15.0  | 14.4  | 13.7  | 12.8  | 12.2  | 11.1 | 7.9   |
| 7.5°  | 37.8  | 35.3  | 34.5  | 33.6  | 29.9  | 27.0  | 23.7  | 20.8  | 18.2  | 15.9 | 8.8   |
| 10°   | 95.5  | 90.4  | 86.3  | 77.8  | 67.2  | 57.1  | 47.7  | 36.8  | 29.3  | 23.3 | 9.4   |
| 12.5° | 192.3 | 185.6 | 177.6 | 162.2 | 142.4 | 117.1 | 94.6  | 70.7  | 49.6  | 34.3 | 9.6   |
| 15°   | 304.6 | 293.2 | 280.6 | 261.1 | 228.7 | 192.3 | 151.8 | 113.6 | 79.6  | 51.9 | 9.4   |
| 17.5° | 396.1 | 391.6 | 373.1 | 346.4 | 306.7 | 259.9 | 210.0 | 157.8 | 107.4 | 67.9 | 8.8   |
| 20°   | 463.7 | 460.6 | 438.2 | 409.8 | 365.1 | 311.4 | 248.0 | 185.4 | 126.8 | 78.0 | 7.8   |
| 22.5° | 496.3 | 495.7 | 479.6 | 450.5 | 403.2 | 342.3 | 272.5 | 201.3 | 132.8 | 79.4 | 6.5   |
| 25°   | 492.0 | 493.9 | 484.7 | 463.1 | 417.7 | 355.1 | 279.8 | 201.3 | 128.4 | 73.6 | 5.5   |
| 27.5° | 472.5 | 473.8 | 468.1 | 451.5 | 409.1 | 345.9 | 269.6 | 188.4 | 115.7 | 63.2 | 4.5   |
| 30°   | 459.2 | 459.7 | 452.6 | 434.8 | 389.9 | 324.9 | 245.7 | 164.4 | 96.4  | 50.7 | 3.3   |
| 32.5° | 442.9 | 442.8 | 434.5 | 414.2 | 364.7 | 295.5 | 215.3 | 135.9 | 74.1  | 38.5 | 1.9   |
| 35°   | 419.2 | 416.5 | 405.2 | 381.8 | 327.0 | 255.9 | 176.5 | 103.5 | 53.3  | 27.3 | 1.2   |
| 37.5° | 386.6 | 379.6 | 363.6 | 332.3 | 274.2 | 200.7 | 130.9 | 72.7  | 36.5  | 18.1 | 0.7   |
| 40°   | 334.3 | 326.9 | 305.1 | 267.1 | 207.4 | 144.4 | 88.2  | 47.4  | 23.0  | 10.8 | 0.4   |
| 42.5° | 262.1 | 257.1 | 227.7 | 189.8 | 137.0 | 92.2  | 53.0  | 28.0  | 12.9  | 6.2  | 0.1   |
| 45°   | 181.1 | 174.6 | 151.5 | 119.3 | 82.2  | 51.1  | 29.7  | 14.6  | 7.4   | 3.7  | 0.0   |
| 47.5° | 100.0 | 91.9  | 78.6  | 61.8  | 41.4  | 26.8  | 15.0  | 7.9   | 4.2   | 1.8  | 0.0   |
| 50°   | 40.0  | 39.7  | 31.5  | 22.5  | 15.8  | 12.2  | 7.5   | 4.3   | 2.1   | 0.6  | 0.1   |
| 52.5° | 14.0  | 14.0  | 12.1  | 9.8   | 7.7   | 5.6   | 3.7   | 2.0   | 0.7   | 0.2  | 0.1   |
| 55°   | 3.1   | 3.4   | 3.2   | 3.0   | 2.9   | 2.5   | 1.6   | 0.7   | 0.2   | 0.0  | 0.1   |
| 57.5° | 0.3   | 0.3   | 0.3   | 0.4   | 0.5   | 0.5   | 0.4   | 0.2   | 0.0   | 0.0  | 0.1   |
| 60°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0  | 0.2   |
| 62.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1  | 0.2   |
| 65°   | 0.1   | 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°   | 0.0   | 0.0   | 0.1   | 0.1   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 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   | 0.0   | 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°    | 5.6 | 5.6    | 5.6  | 5.6    | 5.6  |
| 2.5°  | 5.6 | 4.4    | 3.6  | 3.2    | 3.1  |
| 5°    | 5.2 | 3.3    | 2.4  | 2.0    | 1.9  |
| 7.5°  | 4.7 | 2.5    | 1.6  | 1.3    | 1.2  |
| 10°   | 4.1 | 1.8    | 1.1  | 0.7    | 0.7  |
| 12.5° | 3.4 | 1.4    | 0.6  | 0.3    | 0.2  |
| 15°   | 2.8 | 0.9    | 0.2  | 0.1    | 0.1  |
| 17.5° | 2.1 | 0.5    | 0.0  | 0.0    | 0.0  |
| 20°   | 1.7 | 0.2    | 0.0  | 0.0    | 0.0  |
| 22.5° | 1.3 | 0.1    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.9 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.1 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.1 | 0.0    | 0.0  | 0.0    | 0.0  |
| 37.5° | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.1 | 0.0    | 0.0  | 0.1    | 0.1  |
| 47.5° | 0.1 | 0.1    | 0.1  | 0.2    | 0.2  |
| 50°   | 0.1 | 0.1    | 0.1  | 0.2    | 0.3  |
| 52.5° | 0.2 | 0.1    | 0.2  | 0.3    | 0.3  |
| 55°   | 0.2 | 0.2    | 0.3  | 0.4    | 0.4  |
| 57.5° | 0.2 | 0.2    | 0.3  | 0.4    | 0.4  |
| 60°   | 0.2 | 0.2    | 0.3  | 0.4    | 0.5  |
| 62.5° | 0.3 | 0.3    | 0.3  | 0.4    | 0.4  |
| 65°   | 0.3 | 0.3    | 0.3  | 0.4    | 0.5  |
| 67.5° | 0.3 | 0.3    | 0.3  | 0.4    | 0.5  |
| 70°   | 0.3 | 0.3    | 0.3  | 0.4    | 0.4  |
| 72.5° | 0.4 | 0.3    | 0.3  | 0.4    | 0.4  |
| 75°   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  |
| 77.5° | 0.3 | 0.3    | 0.2  | 0.3    | 0.3  |
| 80°   | 0.3 | 0.2    | 0.2  | 0.2    | 0.2  |
| 82.5° | 0.3 | 0.2    | 0.2  | 0.2    | 0.2  |
| 85°   | 0.3 | 0.2    | 0.1  | 0.1    | 0.1  |
| 87.5° | 0.3 | 0.2    | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)