

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: P1335004

Luminaire Tested: P3A02R309035DE010 E3A301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335004  
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: P3A02R309035DE010 E3A301MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

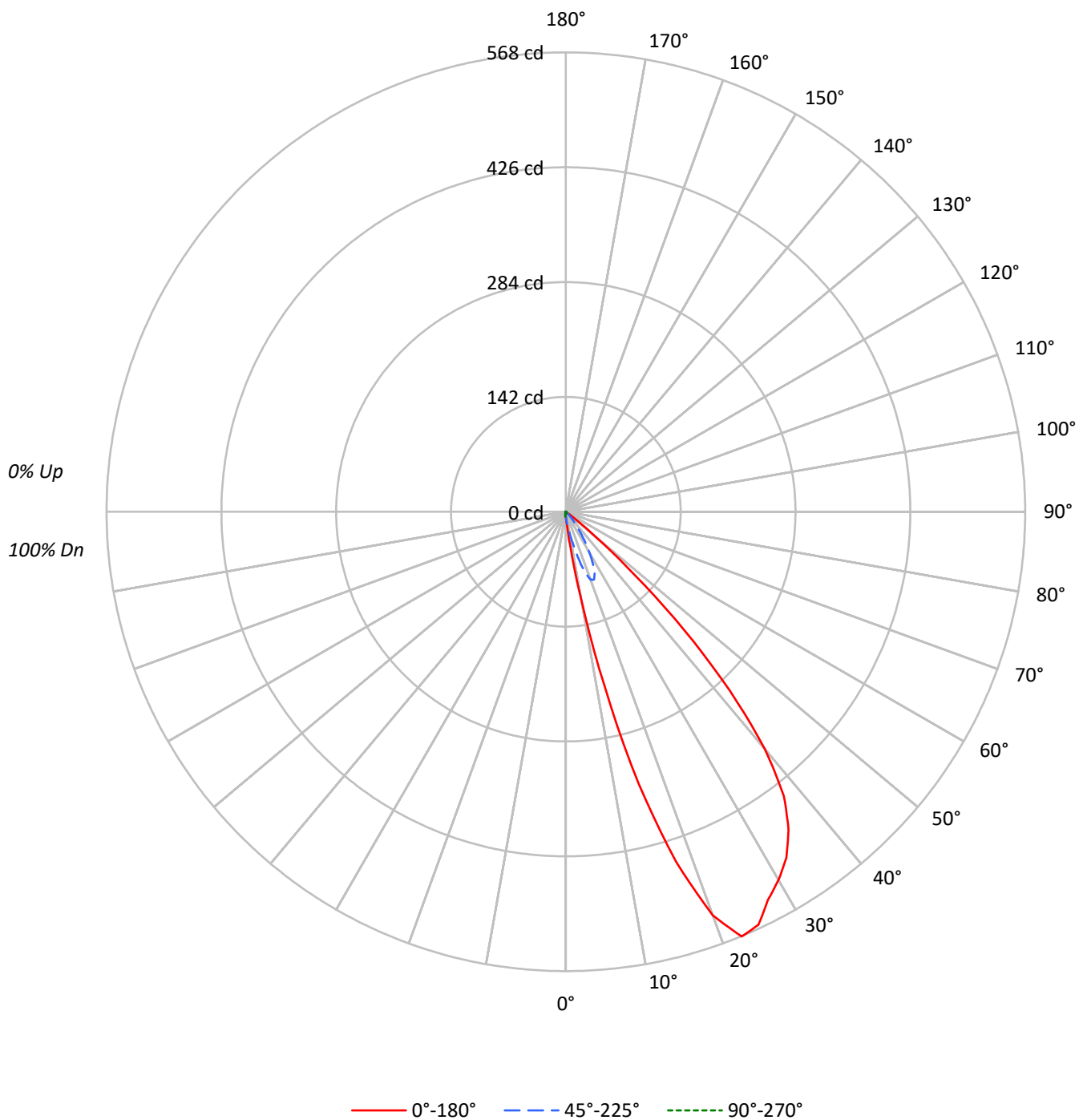
Lumens per Lamp: N/A  
Luminaire Lumens: 134.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 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   | 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  | 90  | 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  |  | 52  | 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°  | 1403   | 1403  | 1403 | 1403 | 1403 |
| 5°  | 4204   | 2796  | 1321 | 594  | 484  |
| 10° | 24337  | 5945  | 1047 | 267  | 200  |
| 15° | 79183  | 13485 | 726  | 45   | 23   |
| 20° | 123911 | 20862 | 467  | 0    | 0    |
| 25° | 136339 | 20372 | 242  | 0    | 0    |
| 30° | 133160 | 14686 | 101  | 0    | 0    |
| 35° | 128519 | 8352  | 27   | 0    | 0    |
| 40° | 109605 | 3550  | 0    | 0    | 0    |
| 45° | 64317  | 1333  | 31   | 0    | 31   |
| 50° | 15624  | 239   | 34   | 34   | 136  |
| 55° | 1376   | 0     | 76   | 153  | 191  |
| 60° | 44     | 0     | 88   | 175  | 263  |
| 65° | 52     | 52    | 208  | 208  | 311  |
| 70° | 64     | 64    | 256  | 256  | 321  |
| 75° | 0      | 85    | 339  | 339  | 339  |
| 80° | 0      | 126   | 505  | 253  | 253  |
| 85° | 0      | 252   | 1006 | 252  | 252  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64317 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.2    | 0.9       |
| 10°-20°   | 18.4   | 13.7      |
| 20°-30°   | 46.8   | 34.9      |
| 30°-40°   | 46.6   | 34.8      |
| 40°-50°   | 18.9   | 14.1      |
| 50°-60°   | 1.3    | 1.0       |
| 60°-70°   | 0.3    | 0.2       |
| 70°-80°   | 0.3    | 0.2       |
| 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°    | 66.4   | 49.6      |
| 0°-40°    | 113.0  | 84.4      |
| 0°-60°    | 133.2  | 99.4      |
| 0°-90°    | 134.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 134.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 19  | 13  | 6   | 3    | 2    | 4    |
| 15° | 349 | 59  | 3   | 0    | 0    | 102  |
| 25° | 564 | 84  | 1   | 0    | 0    | 254  |
| 35° | 480 | 31  | 0   | 0    | 0    | 294  |
| 45° | 207 | 4   | 0   | 0    | 0    | 158  |
| 55° | 4   | 0   | 0   | 0    | 0    | 9    |
| 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°    | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4  | 6.4   |
| 2.5°  | 10.5  | 10.7  | 10.7  | 10.4  | 10.3  | 10.3  | 9.9   | 9.8   | 9.4   | 9.1  | 7.8   |
| 5°    | 19.1  | 18.7  | 18.2  | 18.2  | 17.1  | 16.5  | 15.7  | 14.7  | 14.0  | 12.7 | 9.1   |
| 7.5°  | 43.3  | 40.4  | 39.5  | 38.4  | 34.3  | 31.0  | 27.2  | 23.9  | 20.8  | 18.2 | 10.0  |
| 10°   | 109.3 | 103.6 | 98.8  | 89.1  | 77.0  | 65.4  | 54.6  | 42.1  | 33.6  | 26.7 | 10.8  |
| 12.5° | 220.3 | 212.6 | 203.4 | 185.7 | 163.1 | 134.1 | 108.4 | 80.9  | 56.8  | 39.3 | 11.0  |
| 15°   | 348.8 | 335.7 | 321.4 | 299.0 | 261.9 | 220.3 | 173.9 | 130.2 | 91.2  | 59.4 | 10.8  |
| 17.5° | 453.7 | 448.5 | 427.3 | 396.7 | 351.3 | 297.7 | 240.5 | 180.7 | 123.1 | 77.8 | 10.0  |
| 20°   | 531.0 | 527.5 | 501.9 | 469.3 | 418.2 | 356.7 | 284.1 | 212.3 | 145.2 | 89.4 | 8.9   |
| 22.5° | 568.4 | 567.8 | 549.3 | 516.0 | 461.7 | 392.1 | 312.1 | 230.6 | 152.1 | 91.0 | 7.5   |
| 25°   | 563.5 | 565.7 | 555.2 | 530.4 | 478.4 | 406.6 | 320.4 | 230.6 | 147.1 | 84.2 | 6.2   |
| 27.5° | 541.2 | 542.7 | 536.1 | 517.1 | 468.6 | 396.1 | 308.8 | 215.7 | 132.5 | 72.4 | 5.1   |
| 30°   | 525.9 | 526.5 | 518.3 | 498.0 | 446.6 | 372.1 | 281.4 | 188.3 | 110.4 | 58.0 | 3.8   |
| 32.5° | 507.3 | 507.2 | 497.6 | 474.4 | 417.7 | 338.4 | 246.6 | 155.6 | 84.9  | 44.1 | 2.2   |
| 35°   | 480.1 | 477.0 | 464.1 | 437.3 | 374.6 | 293.1 | 202.2 | 118.5 | 61.1  | 31.2 | 1.3   |
| 37.5° | 442.8 | 434.8 | 416.4 | 380.6 | 314.1 | 229.8 | 149.9 | 83.3  | 41.8  | 20.7 | 0.9   |
| 40°   | 382.9 | 374.4 | 349.5 | 305.9 | 237.5 | 165.4 | 101.0 | 54.2  | 26.3  | 12.4 | 0.5   |
| 42.5° | 300.2 | 294.5 | 260.8 | 217.3 | 156.9 | 105.5 | 60.7  | 32.1  | 14.8  | 7.1  | 0.1   |
| 45°   | 207.4 | 200.0 | 173.5 | 136.6 | 94.2  | 58.5  | 34.0  | 16.8  | 8.4   | 4.3  | 0.0   |
| 47.5° | 114.5 | 105.3 | 90.0  | 70.8  | 47.4  | 30.7  | 17.1  | 9.1   | 4.8   | 2.1  | 0.0   |
| 50°   | 45.8  | 45.4  | 36.1  | 25.7  | 18.1  | 14.0  | 8.6   | 4.9   | 2.4   | 0.7  | 0.1   |
| 52.5° | 16.0  | 16.0  | 13.8  | 11.3  | 8.8   | 6.4   | 4.3   | 2.3   | 0.9   | 0.2  | 0.1   |
| 55°   | 3.6   | 3.9   | 3.7   | 3.4   | 3.3   | 2.8   | 1.8   | 0.9   | 0.2   | 0.0  | 0.1   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.5   | 0.6   | 0.6   | 0.5   | 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  | 0.4   |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.4   |
| 75°   | 0.0   | 0.0   | 0.1   | 0.1   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.4   |
| 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°    | 6.4 | 6.4    | 6.4  | 6.4    | 6.4  |
| 2.5°  | 6.4 | 5.0    | 4.2  | 3.7    | 3.6  |
| 5°    | 6.0 | 3.8    | 2.7  | 2.3    | 2.2  |
| 7.5°  | 5.4 | 2.8    | 1.8  | 1.5    | 1.3  |
| 10°   | 4.7 | 2.1    | 1.2  | 0.9    | 0.9  |
| 12.5° | 3.9 | 1.6    | 0.7  | 0.4    | 0.2  |
| 15°   | 3.2 | 1.0    | 0.2  | 0.1    | 0.1  |
| 17.5° | 2.4 | 0.6    | 0.0  | 0.0    | 0.0  |
| 20°   | 2.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 22.5° | 1.5 | 0.1    | 0.0  | 0.0    | 0.0  |
| 25°   | 1.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 0.6 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.4 | 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    | 0.4  |
| 52.5° | 0.2 | 0.1    | 0.2  | 0.4    | 0.4  |
| 55°   | 0.2 | 0.2    | 0.4  | 0.5    | 0.5  |
| 57.5° | 0.2 | 0.2    | 0.4  | 0.5    | 0.5  |
| 60°   | 0.2 | 0.2    | 0.4  | 0.5    | 0.6  |
| 62.5° | 0.4 | 0.4    | 0.4  | 0.5    | 0.5  |
| 65°   | 0.4 | 0.4    | 0.4  | 0.5    | 0.6  |
| 67.5° | 0.4 | 0.4    | 0.4  | 0.5    | 0.6  |
| 70°   | 0.4 | 0.4    | 0.4  | 0.5    | 0.5  |
| 72.5° | 0.5 | 0.4    | 0.4  | 0.5    | 0.5  |
| 75°   | 0.4 | 0.4    | 0.4  | 0.4    | 0.4  |
| 77.5° | 0.4 | 0.4    | 0.2  | 0.4    | 0.4  |
| 80°   | 0.4 | 0.2    | 0.2  | 0.2    | 0.2  |
| 82.5° | 0.4 | 0.2    | 0.2  | 0.2    | 0.2  |
| 85°   | 0.4 | 0.2    | 0.1  | 0.1    | 0.1  |
| 87.5° | 0.4 | 0.2    | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)