

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: P1335049

Luminaire Tested: P3A02R309727DE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335049  
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: P3A02R309727DE010 E3A301GPH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

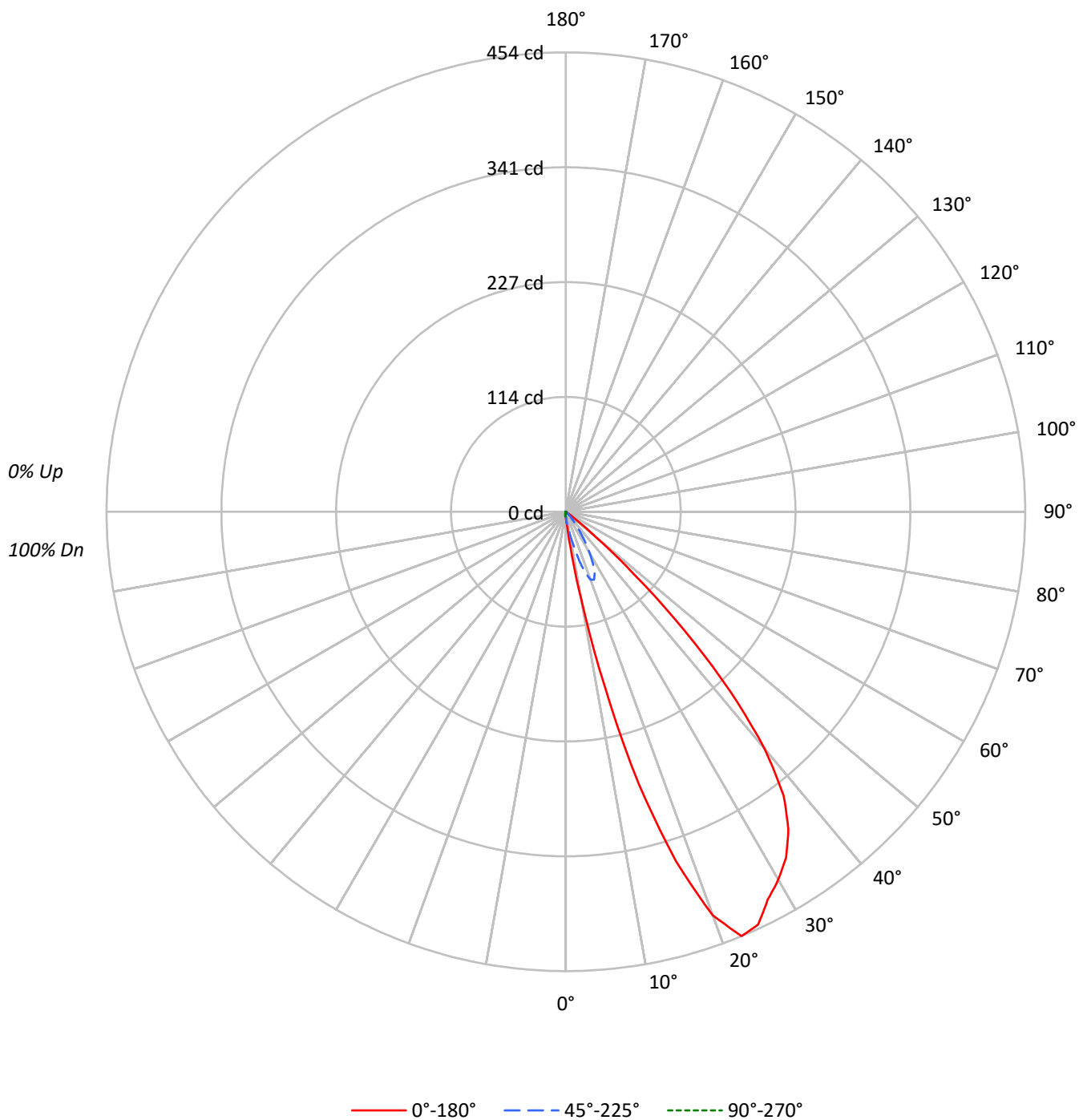
Lumens per Lamp: N/A  
Luminaire Lumens: 107.0 lumens  
Efficiency: N/A  
Efficacy: 29.7 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.49 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 43  | 43  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1118   | 1118  | 1118 | 1118 | 1118 |
| 5°  | 3368   | 2245  | 1057 | 484  | 396  |
| 10° | 19439  | 4743  | 824  | 223  | 156  |
| 15° | 63247  | 10761 | 568  | 45   | 23   |
| 20° | 98942  | 16661 | 373  | 0    | 0    |
| 25° | 108877 | 16283 | 194  | 0    | 0    |
| 30° | 106320 | 11723 | 76   | 0    | 0    |
| 35° | 102633 | 6666  | 27   | 0    | 0    |
| 40° | 87507  | 2834  | 0    | 0    | 0    |
| 45° | 51354  | 1054  | 31   | 0    | 31   |
| 50° | 12486  | 205   | 34   | 34   | 102  |
| 55° | 1070   | 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: 51354 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.9    | 0.9       |
| 10°-20°   | 14.7   | 13.7      |
| 20°-30°   | 37.4   | 34.9      |
| 30°-40°   | 37.2   | 34.8      |
| 40°-50°   | 15.1   | 14.1      |
| 50°-60°   | 1.0    | 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°    | 53.0   | 49.5      |
| 0°-40°    | 90.3   | 84.3      |
| 0°-60°    | 106.4  | 99.4      |
| 0°-90°    | 107.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 107.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 5   | 5   | 5   | 5    | 5    |      |
| 5°  | 15  | 10  | 5   | 2    | 2    | 4    |
| 15° | 279 | 47  | 2   | 0    | 0    | 81   |
| 25° | 450 | 67  | 1   | 0    | 0    | 203  |
| 35° | 383 | 25  | 0   | 0    | 0    | 235  |
| 45° | 166 | 3   | 0   | 0    | 0    | 126  |
| 55° | 3   | 0   | 0   | 0    | 0    | 7    |
| 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°    | 5.1   | 5.1   | 5.1   | 5.1   | 5.1   | 5.1   | 5.1   | 5.1   | 5.1   | 5.1  | 5.1   |
| 2.5°  | 8.4   | 8.5   | 8.5   | 8.3   | 8.2   | 8.2   | 7.9   | 7.8   | 7.5   | 7.2  | 6.3   |
| 5°    | 15.3  | 15.0  | 14.6  | 14.6  | 13.7  | 13.2  | 12.5  | 11.7  | 11.1  | 10.2 | 7.2   |
| 7.5°  | 34.6  | 32.3  | 31.6  | 30.7  | 27.4  | 24.7  | 21.7  | 19.1  | 16.6  | 14.6 | 8.0   |
| 10°   | 87.3  | 82.7  | 78.9  | 71.2  | 61.5  | 52.2  | 43.6  | 33.6  | 26.8  | 21.3 | 8.6   |
| 12.5° | 175.9 | 169.7 | 162.4 | 148.3 | 130.2 | 107.1 | 86.5  | 64.6  | 45.4  | 31.4 | 8.8   |
| 15°   | 278.6 | 268.1 | 256.7 | 238.8 | 209.1 | 175.9 | 138.8 | 103.9 | 72.8  | 47.4 | 8.6   |
| 17.5° | 362.3 | 358.1 | 341.2 | 316.8 | 280.5 | 237.7 | 192.0 | 144.3 | 98.3  | 62.1 | 8.0   |
| 20°   | 424.0 | 421.2 | 400.8 | 374.8 | 333.9 | 284.8 | 226.8 | 169.5 | 116.0 | 71.4 | 7.1   |
| 22.5° | 453.9 | 453.4 | 438.6 | 412.0 | 368.7 | 313.1 | 249.2 | 184.1 | 121.4 | 72.6 | 6.0   |
| 25°   | 450.0 | 451.7 | 443.3 | 423.6 | 382.0 | 324.7 | 255.9 | 184.1 | 117.4 | 67.3 | 5.0   |
| 27.5° | 432.2 | 433.3 | 428.1 | 412.9 | 374.2 | 316.3 | 246.6 | 172.3 | 105.8 | 57.8 | 4.1   |
| 30°   | 419.9 | 420.4 | 413.9 | 397.6 | 356.6 | 297.1 | 224.7 | 150.4 | 88.2  | 46.3 | 3.0   |
| 32.5° | 405.1 | 405.0 | 397.4 | 378.8 | 333.5 | 270.2 | 196.9 | 124.3 | 67.8  | 35.2 | 1.8   |
| 35°   | 383.4 | 380.9 | 370.6 | 349.1 | 299.1 | 234.1 | 161.4 | 94.6  | 48.8  | 24.9 | 1.1   |
| 37.5° | 353.5 | 347.2 | 332.5 | 303.9 | 250.8 | 183.5 | 119.7 | 66.5  | 33.3  | 16.5 | 0.7   |
| 40°   | 305.7 | 299.0 | 279.0 | 244.2 | 189.7 | 132.1 | 80.7  | 43.3  | 21.0  | 9.9  | 0.4   |
| 42.5° | 239.7 | 235.1 | 208.3 | 173.5 | 125.2 | 84.3  | 48.5  | 25.6  | 11.8  | 5.7  | 0.1   |
| 45°   | 165.6 | 159.7 | 138.5 | 109.1 | 75.2  | 46.7  | 27.2  | 13.4  | 6.7   | 3.4  | 0.0   |
| 47.5° | 91.4  | 84.1  | 71.9  | 56.5  | 37.8  | 24.5  | 13.7  | 7.2   | 3.8   | 1.7  | 0.0   |
| 50°   | 36.6  | 36.3  | 28.8  | 20.5  | 14.5  | 11.1  | 6.8   | 3.9   | 2.0   | 0.6  | 0.1   |
| 52.5° | 12.8  | 12.8  | 11.0  | 9.0   | 7.0   | 5.1   | 3.4   | 1.9   | 0.7   | 0.2  | 0.1   |
| 55°   | 2.8   | 3.1   | 2.9   | 2.7   | 2.6   | 2.2   | 1.5   | 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°    | 5.1 | 5.1    | 5.1  | 5.1    | 5.1  |
| 2.5°  | 5.1 | 4.0    | 3.3  | 2.9    | 2.8  |
| 5°    | 4.8 | 3.0    | 2.2  | 1.9    | 1.8  |
| 7.5°  | 4.3 | 2.2    | 1.5  | 1.2    | 1.1  |
| 10°   | 3.7 | 1.7    | 1.0  | 0.7    | 0.7  |
| 12.5° | 3.1 | 1.3    | 0.6  | 0.3    | 0.2  |
| 15°   | 2.5 | 0.8    | 0.2  | 0.1    | 0.1  |
| 17.5° | 2.0 | 0.5    | 0.0  | 0.0    | 0.0  |
| 20°   | 1.6 | 0.2    | 0.0  | 0.0    | 0.0  |
| 22.5° | 1.2 | 0.1    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.8 | 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)