

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: P1335530

Luminaire Tested: P3A02R35B2750DE010 E3A301GPH\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335530  
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: P3A02R35B2750DE010 E3A301GPH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

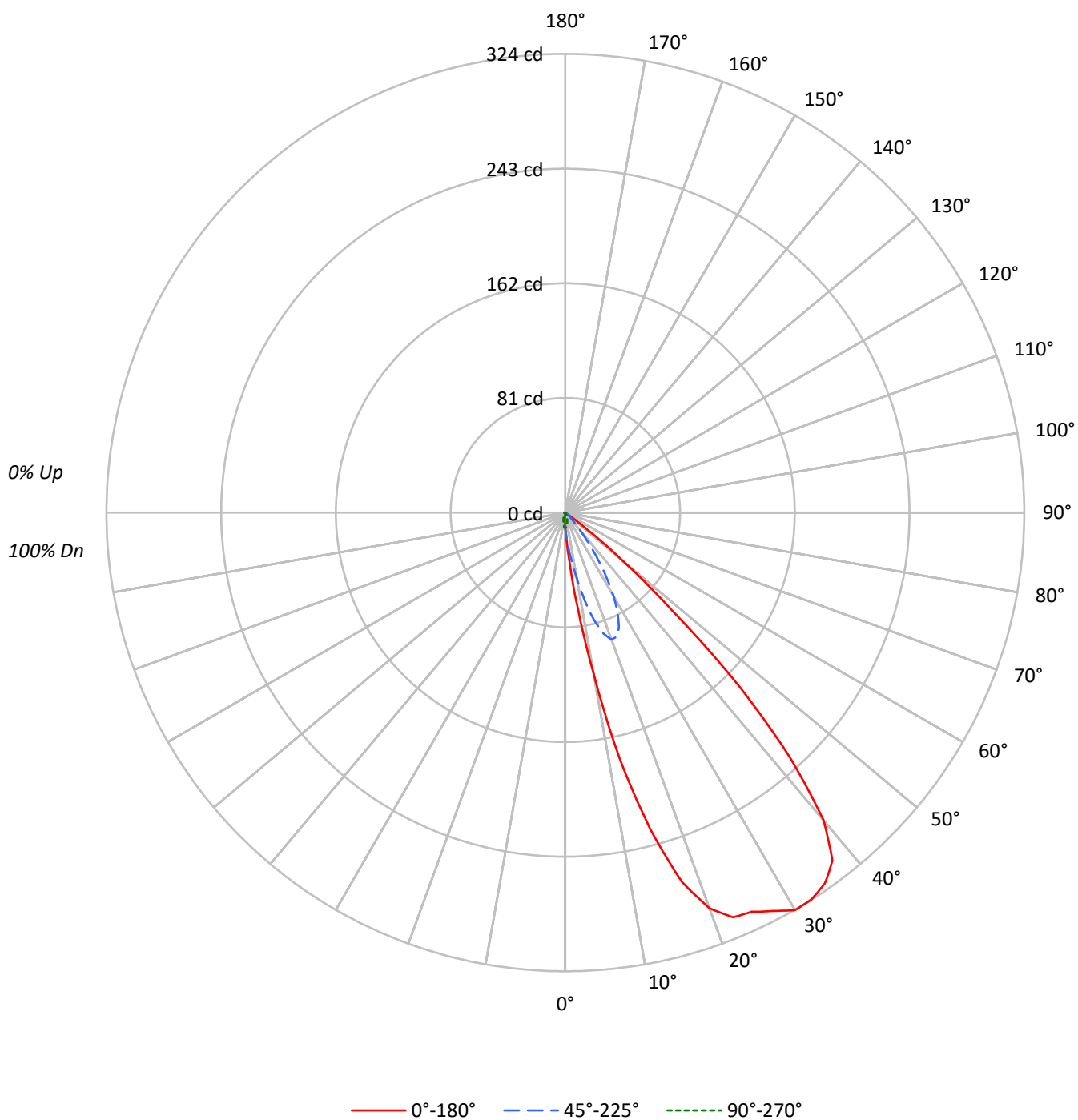
Lumens per Lamp: N/A  
Luminaire Lumens: 102.1 lumens  
Efficiency: N/A  
Efficacy: 35.2 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
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   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 93  | 93  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 84  | 84  | 83  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 76  | 76  | 74  |
| 4   | 92  | 83  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 69  | 69  | 67  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 73  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 60  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 56  | 56  | 55  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 51  | 51  | 49  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 46  | 46  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 42  | 42  | 41  |
| 10  | 62  | 50  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 38  | 38  | 38  | 37  |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 2346  | 2346  | 2346 | 2346 | 2346 |
| 5°  | 7990  | 5195  | 2201 | 924  | 682  |
| 10° | 25740 | 10532 | 1737 | 356  | 223  |
| 15° | 52463 | 17866 | 1226 | 114  | 91   |
| 20° | 69376 | 22262 | 793  | 47   | 47   |
| 25° | 75270 | 21654 | 436  | 24   | 48   |
| 30° | 82114 | 17243 | 177  | 25   | 51   |
| 35° | 85554 | 10734 | 54   | 27   | 54   |
| 40° | 81209 | 4695  | 29   | 57   | 86   |
| 45° | 54207 | 1861  | 31   | 93   | 155  |
| 50° | 18183 | 307   | 68   | 136  | 171  |
| 55° | 1032  | 38    | 76   | 191  | 229  |
| 60° | 88    | 44    | 132  | 219  | 263  |
| 65° | 104   | 52    | 156  | 259  | 311  |
| 70° | 64    | 64    | 192  | 321  | 321  |
| 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: 54207 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.9    | 1.8       |
| 10°-20°   | 14.6   | 14.4      |
| 20°-30°   | 30.9   | 30.3      |
| 30°-40°   | 35.1   | 34.4      |
| 40°-50°   | 17.3   | 16.9      |
| 50°-60°   | 1.5    | 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°    | 47.4   | 46.5      |
| 0°-40°    | 82.5   | 80.9      |
| 0°-60°    | 101.3  | 99.2      |
| 0°-90°    | 102.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 102.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 11  | 11  | 11  | 11   | 11   |      |
| 5°  | 36  | 24  | 10  | 4    | 3    | 6    |
| 15° | 231 | 79  | 5   | 0    | 0    | 66   |
| 25° | 311 | 90  | 2   | 0    | 0    | 145  |
| 35° | 320 | 40  | 0   | 0    | 0    | 197  |
| 45° | 175 | 6   | 0   | 0    | 0    | 129  |
| 55° | 3   | 0   | 0   | 0    | 1    | 10   |
| 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°    | 10.7  | 10.7  | 10.7  | 10.7  | 10.7  | 10.7  | 10.7  | 10.7  | 10.7  | 10.7 | 10.7  |
| 2.5°  | 18.6  | 19.0  | 18.9  | 18.8  | 18.7  | 18.3  | 17.5  | 17.4  | 16.6  | 16.0 | 13.3  |
| 5°    | 36.3  | 35.6  | 35.8  | 34.8  | 33.5  | 31.7  | 30.5  | 27.9  | 25.8  | 23.6 | 15.5  |
| 7.5°  | 68.5  | 67.5  | 65.6  | 62.6  | 59.6  | 55.7  | 49.7  | 45.0  | 39.5  | 34.2 | 17.2  |
| 10°   | 115.6 | 115.1 | 112.6 | 105.1 | 98.5  | 88.0  | 78.1  | 67.7  | 57.4  | 47.3 | 18.4  |
| 12.5° | 178.6 | 174.9 | 170.4 | 160.4 | 147.4 | 134.2 | 114.7 | 96.7  | 80.3  | 63.5 | 18.5  |
| 15°   | 231.1 | 228.7 | 222.4 | 209.4 | 193.7 | 174.7 | 151.5 | 127.3 | 102.5 | 78.7 | 17.6  |
| 17.5° | 273.3 | 269.6 | 261.5 | 248.8 | 230.7 | 206.0 | 178.9 | 149.3 | 119.2 | 89.6 | 16.0  |
| 20°   | 297.3 | 295.4 | 289.2 | 276.4 | 256.7 | 229.7 | 198.9 | 164.4 | 129.7 | 95.4 | 14.0  |
| 22.5° | 309.4 | 308.0 | 303.4 | 293.3 | 274.9 | 247.7 | 212.3 | 172.3 | 132.7 | 94.8 | 11.9  |
| 25°   | 311.1 | 310.8 | 306.8 | 299.1 | 283.7 | 256.8 | 218.2 | 173.8 | 130.2 | 89.5 | 9.9   |
| 27.5° | 317.2 | 315.9 | 311.2 | 303.5 | 288.1 | 258.4 | 216.2 | 168.7 | 122.2 | 80.1 | 8.2   |
| 30°   | 324.3 | 323.4 | 318.7 | 310.8 | 292.4 | 256.9 | 209.0 | 157.6 | 109.5 | 68.1 | 6.1   |
| 32.5° | 323.8 | 323.4 | 319.5 | 311.0 | 289.3 | 248.3 | 196.3 | 140.8 | 92.2  | 53.7 | 3.8   |
| 35°   | 319.6 | 318.4 | 313.4 | 300.4 | 271.6 | 226.2 | 172.1 | 118.1 | 73.0  | 40.1 | 2.5   |
| 37.5° | 309.8 | 307.0 | 298.7 | 276.6 | 239.8 | 192.0 | 140.2 | 91.2  | 51.6  | 26.8 | 1.6   |
| 40°   | 283.7 | 280.2 | 263.4 | 236.8 | 198.2 | 151.3 | 104.3 | 62.7  | 34.1  | 16.4 | 0.6   |
| 42.5° | 235.3 | 228.3 | 211.5 | 184.1 | 148.0 | 106.9 | 68.5  | 40.7  | 20.1  | 9.9  | 0.2   |
| 45°   | 174.8 | 169.4 | 151.8 | 127.0 | 97.0  | 68.6  | 41.5  | 22.0  | 11.1  | 6.0  | 0.1   |
| 47.5° | 101.8 | 98.5  | 89.5  | 73.2  | 53.6  | 36.0  | 21.2  | 11.8  | 6.5   | 2.9  | 0.1   |
| 50°   | 53.3  | 49.2  | 42.3  | 32.0  | 23.6  | 16.6  | 10.3  | 6.3   | 3.2   | 0.9  | 0.1   |
| 52.5° | 18.7  | 18.4  | 16.8  | 12.6  | 10.3  | 7.4   | 5.0   | 2.7   | 0.9   | 0.2  | 0.1   |
| 55°   | 2.7   | 2.7   | 2.5   | 2.7   | 2.9   | 2.7   | 1.7   | 0.7   | 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°    | 10.7 | 10.7   | 10.7 | 10.7   | 10.7 |
| 2.5°  | 10.6 | 8.5    | 6.8  | 6.0    | 5.7  |
| 5°    | 10.0 | 6.4    | 4.2  | 3.3    | 3.1  |
| 7.5°  | 8.9  | 4.6    | 2.6  | 1.8    | 1.7  |
| 10°   | 7.8  | 3.3    | 1.6  | 1.1    | 1.0  |
| 12.5° | 6.5  | 2.3    | 1.0  | 0.6    | 0.5  |
| 15°   | 5.4  | 1.6    | 0.5  | 0.5    | 0.4  |
| 17.5° | 4.3  | 1.0    | 0.4  | 0.3    | 0.4  |
| 20°   | 3.4  | 0.6    | 0.2  | 0.2    | 0.2  |
| 22.5° | 2.6  | 0.4    | 0.2  | 0.2    | 0.2  |
| 25°   | 1.8  | 0.2    | 0.1  | 0.1    | 0.2  |
| 27.5° | 1.3  | 0.1    | 0.1  | 0.1    | 0.2  |
| 30°   | 0.7  | 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    | 0.5  |
| 50°   | 0.2  | 0.3    | 0.4  | 0.5    | 0.5  |
| 52.5° | 0.2  | 0.3    | 0.5  | 0.5    | 0.6  |
| 55°   | 0.2  | 0.4    | 0.5  | 0.6    | 0.6  |
| 57.5° | 0.3  | 0.4    | 0.5  | 0.6    | 0.6  |
| 60°   | 0.3  | 0.4    | 0.5  | 0.6    | 0.6  |
| 62.5° | 0.3  | 0.4    | 0.5  | 0.6    | 0.6  |
| 65°   | 0.3  | 0.4    | 0.5  | 0.6    | 0.6  |
| 67.5° | 0.3  | 0.4    | 0.5  | 0.5    | 0.6  |
| 70°   | 0.3  | 0.4    | 0.5  | 0.5    | 0.5  |
| 72.5° | 0.4  | 0.4    | 0.5  | 0.5    | 0.5  |
| 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)