

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: P1335539

Luminaire Tested: P3A02R35B2750DE010 E3A301LI\_2700K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335539  
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 E3A301LI\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

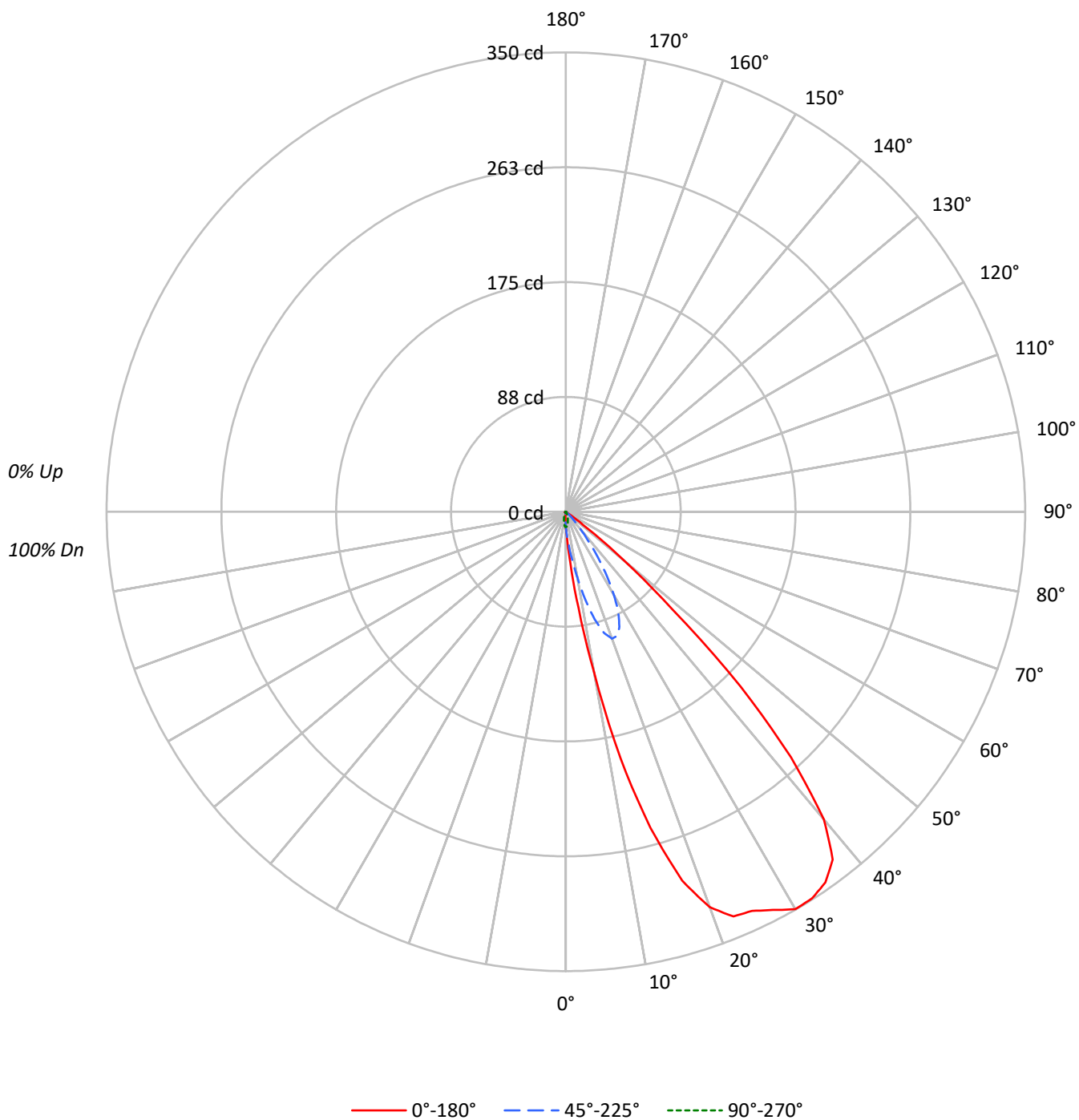
Lumens per Lamp: N/A  
Luminaire Lumens: 110.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 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  | 83  | 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  | 60  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 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  | 50  | 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°  | 2544  | 2544  | 2544 | 2544 | 2544 |
| 5°  | 8629  | 5613  | 2377 | 991  | 748  |
| 10° | 27766 | 11378 | 1870 | 379  | 245  |
| 15° | 56572 | 19274 | 1317 | 136  | 91   |
| 20° | 74813 | 24012 | 863  | 47   | 47   |
| 25° | 81174 | 23348 | 484  | 24   | 48   |
| 30° | 88545 | 18610 | 203  | 25   | 51   |
| 35° | 92274 | 11564 | 54   | 27   | 54   |
| 40° | 87564 | 5067  | 29   | 57   | 86   |
| 45° | 58456 | 2016  | 31   | 93   | 155  |
| 50° | 19616 | 341   | 68   | 136  | 205  |
| 55° | 1109  | 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: 58456 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.0    | 1.8       |
| 10°-20°   | 15.8   | 14.4      |
| 20°-30°   | 33.3   | 30.3      |
| 30°-40°   | 37.8   | 34.4      |
| 40°-50°   | 18.6   | 16.9      |
| 50°-60°   | 1.6    | 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°    | 51.2   | 46.5      |
| 0°-40°    | 89.0   | 80.9      |
| 0°-60°    | 109.2  | 99.3      |
| 0°-90°    | 110.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 110.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 12  | 12  | 12  | 12   | 12   |      |
| 5°  | 39  | 26  | 11  | 4    | 3    | 6    |
| 15° | 249 | 85  | 6   | 1    | 0    | 71   |
| 25° | 336 | 96  | 2   | 0    | 0    | 156  |
| 35° | 345 | 43  | 0   | 0    | 0    | 212  |
| 45° | 188 | 6   | 0   | 0    | 0    | 139  |
| 55° | 3   | 0   | 0   | 0    | 1    | 11   |
| 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°    | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  |
| 2.5°  | 20.0  | 20.5  | 20.3  | 20.2  | 20.1  | 19.7  | 18.9  | 18.8  | 17.9  | 17.3  | 14.3  |
| 5°    | 39.2  | 38.4  | 38.6  | 37.5  | 36.1  | 34.2  | 32.9  | 30.1  | 27.8  | 25.5  | 16.7  |
| 7.5°  | 73.9  | 72.8  | 70.7  | 67.5  | 64.3  | 60.0  | 53.6  | 48.5  | 42.6  | 36.9  | 18.6  |
| 10°   | 124.7 | 124.1 | 121.5 | 113.4 | 106.2 | 94.9  | 84.2  | 73.0  | 61.9  | 51.1  | 19.8  |
| 12.5° | 192.6 | 188.6 | 183.8 | 173.0 | 159.0 | 144.8 | 123.7 | 104.3 | 86.6  | 68.4  | 19.9  |
| 15°   | 249.2 | 246.7 | 239.8 | 225.8 | 208.9 | 188.4 | 163.4 | 137.3 | 110.6 | 84.9  | 19.0  |
| 17.5° | 294.7 | 290.8 | 282.0 | 268.3 | 248.8 | 222.2 | 192.9 | 161.0 | 128.6 | 96.7  | 17.3  |
| 20°   | 320.6 | 318.5 | 311.8 | 298.1 | 276.9 | 247.7 | 214.5 | 177.3 | 139.8 | 102.9 | 15.1  |
| 22.5° | 333.7 | 332.2 | 327.2 | 316.3 | 296.4 | 267.1 | 229.0 | 185.8 | 143.1 | 102.2 | 12.8  |
| 25°   | 335.5 | 335.1 | 330.9 | 322.6 | 306.0 | 277.0 | 235.3 | 187.4 | 140.4 | 96.5  | 10.7  |
| 27.5° | 342.0 | 340.7 | 335.6 | 327.3 | 310.6 | 278.7 | 233.1 | 182.0 | 131.8 | 86.4  | 8.9   |
| 30°   | 349.7 | 348.8 | 343.7 | 335.1 | 315.4 | 277.1 | 225.4 | 169.9 | 118.1 | 73.5  | 6.6   |
| 32.5° | 349.2 | 348.8 | 344.5 | 335.4 | 312.0 | 267.8 | 211.7 | 151.9 | 99.4  | 58.0  | 4.1   |
| 35°   | 344.7 | 343.3 | 338.0 | 324.0 | 292.9 | 243.9 | 185.6 | 127.4 | 78.7  | 43.2  | 2.7   |
| 37.5° | 334.0 | 331.1 | 322.1 | 298.3 | 258.6 | 207.1 | 151.2 | 98.3  | 55.7  | 28.9  | 1.7   |
| 40°   | 305.9 | 302.2 | 284.1 | 255.3 | 213.8 | 163.1 | 112.5 | 67.6  | 36.7  | 17.7  | 0.7   |
| 42.5° | 253.8 | 246.2 | 228.1 | 198.6 | 159.6 | 115.3 | 73.9  | 43.8  | 21.6  | 10.7  | 0.2   |
| 45°   | 188.5 | 182.7 | 163.7 | 137.0 | 104.6 | 74.0  | 44.7  | 23.7  | 11.9  | 6.5   | 0.1   |
| 47.5° | 109.8 | 106.2 | 96.5  | 78.9  | 57.8  | 38.8  | 22.9  | 12.7  | 7.0   | 3.2   | 0.1   |
| 50°   | 57.5  | 53.0  | 45.6  | 34.6  | 25.5  | 17.9  | 11.2  | 6.8   | 3.5   | 1.0   | 0.1   |
| 52.5° | 20.1  | 19.8  | 18.1  | 13.6  | 11.1  | 8.0   | 5.4   | 3.0   | 1.0   | 0.2   | 0.1   |
| 55°   | 2.9   | 2.9   | 2.7   | 3.0   | 3.2   | 2.9   | 1.9   | 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°    | 11.6 | 11.6   | 11.6 | 11.6   | 11.6 |
| 2.5°  | 11.5 | 9.2    | 7.3  | 6.4    | 6.1  |
| 5°    | 10.8 | 6.9    | 4.5  | 3.6    | 3.4  |
| 7.5°  | 9.6  | 4.9    | 2.8  | 2.0    | 1.9  |
| 10°   | 8.4  | 3.6    | 1.7  | 1.2    | 1.1  |
| 12.5° | 7.0  | 2.5    | 1.1  | 0.7    | 0.6  |
| 15°   | 5.8  | 1.7    | 0.6  | 0.5    | 0.4  |
| 17.5° | 4.6  | 1.1    | 0.4  | 0.3    | 0.4  |
| 20°   | 3.7  | 0.7    | 0.2  | 0.2    | 0.2  |
| 22.5° | 2.8  | 0.4    | 0.2  | 0.2    | 0.2  |
| 25°   | 2.0  | 0.2    | 0.1  | 0.1    | 0.2  |
| 27.5° | 1.4  | 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)