

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: P1335550

Luminaire Tested: P3A02R35B2750DE010 E3A301WH\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335550  
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 E3A301WH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

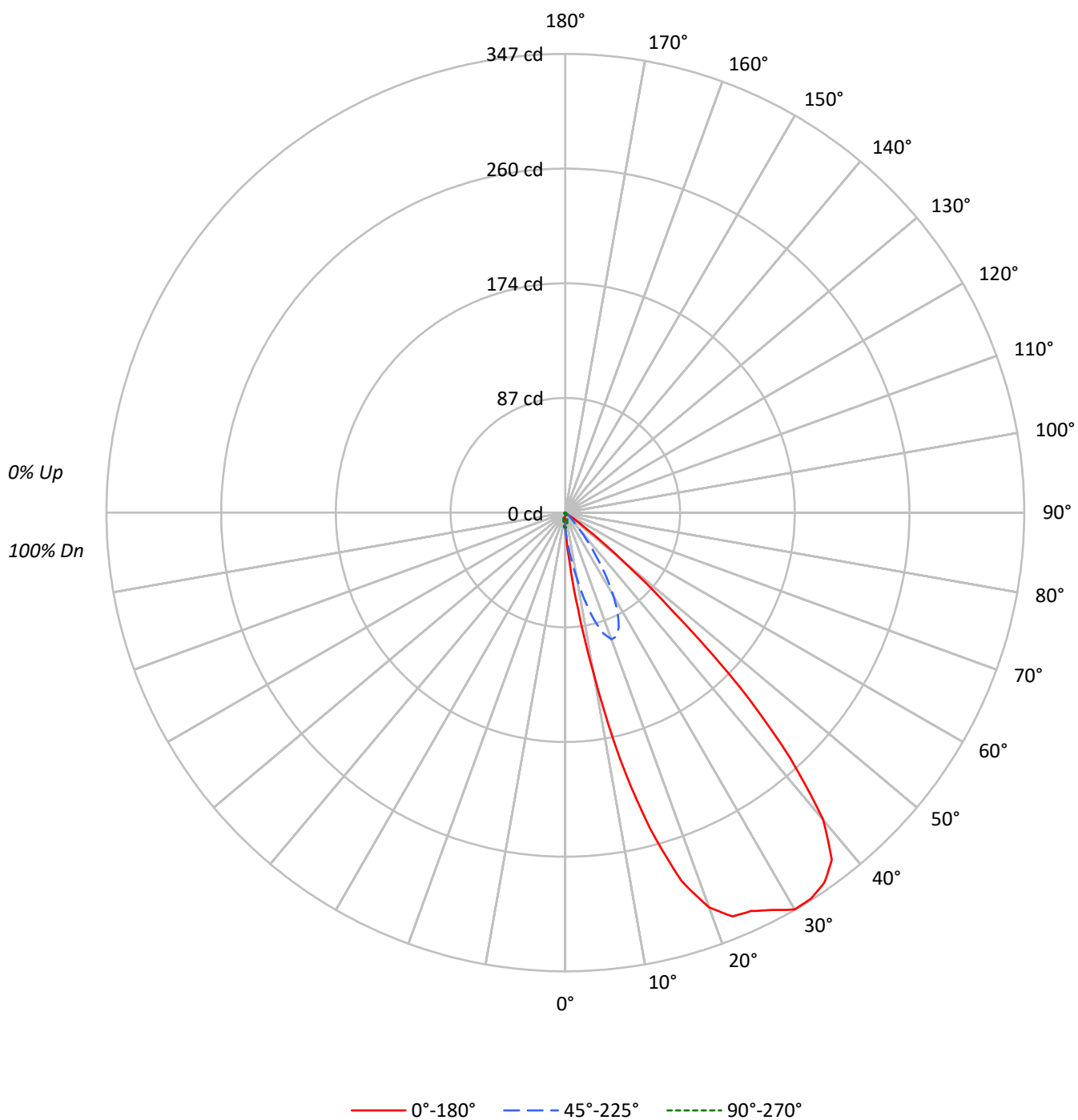
Lumens per Lamp: N/A  
Luminaire Lumens: 109.0 lumens  
Efficiency: N/A  
Efficacy: 37.6 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 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  | 82  | 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°  | 2500  | 2500  | 2500 | 2500 | 2500 |
| 5°  | 8541  | 5547  | 2355 | 991  | 726  |
| 10° | 27521 | 11267 | 1848 | 379  | 245  |
| 15° | 56073 | 19092 | 1317 | 136  | 91   |
| 20° | 74136 | 23802 | 840  | 47   | 47   |
| 25° | 80448 | 23130 | 484  | 24   | 48   |
| 30° | 87760 | 18433 | 203  | 25   | 51   |
| 35° | 91444 | 11484 | 54   | 27   | 54   |
| 40° | 86763 | 5009  | 29   | 57   | 86   |
| 45° | 57928 | 2016  | 31   | 93   | 155  |
| 50° | 19411 | 341   | 68   | 136  | 205  |
| 55° | 1070  | 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: 57928 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.0    | 1.8       |
| 10°-20°   | 15.7   | 14.4      |
| 20°-30°   | 33.0   | 30.3      |
| 30°-40°   | 37.5   | 34.4      |
| 40°-50°   | 18.5   | 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°    | 50.7   | 46.5      |
| 0°-40°    | 88.2   | 80.9      |
| 0°-60°    | 108.2  | 99.3      |
| 0°-90°    | 109.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 109.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 11  | 11  | 11  | 11   | 11   |      |
| 5°  | 39  | 25  | 11  | 4    | 3    | 6    |
| 15° | 247 | 84  | 6   | 1    | 0    | 70   |
| 25° | 332 | 96  | 2   | 0    | 0    | 155  |
| 35° | 342 | 43  | 0   | 0    | 0    | 211  |
| 45° | 187 | 6   | 0   | 0    | 0    | 138  |
| 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°    | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  |
| 2.5°  | 19.9  | 20.4  | 20.2  | 20.1  | 20.0  | 19.6  | 18.7  | 18.6  | 17.7  | 17.1  | 14.2  |
| 5°    | 38.8  | 38.1  | 38.3  | 37.2  | 35.8  | 33.9  | 32.6  | 29.8  | 27.6  | 25.2  | 16.5  |
| 7.5°  | 73.2  | 72.1  | 70.1  | 66.9  | 63.7  | 59.5  | 53.1  | 48.0  | 42.2  | 36.6  | 18.4  |
| 10°   | 123.6 | 123.0 | 120.3 | 112.3 | 105.3 | 94.0  | 83.5  | 72.3  | 61.3  | 50.6  | 19.7  |
| 12.5° | 190.9 | 186.9 | 182.1 | 171.4 | 157.5 | 143.4 | 122.6 | 103.3 | 85.8  | 67.8  | 19.8  |
| 15°   | 247.0 | 244.4 | 237.7 | 223.8 | 207.0 | 186.7 | 161.9 | 136.0 | 109.6 | 84.1  | 18.8  |
| 17.5° | 292.1 | 288.2 | 279.4 | 265.8 | 246.6 | 220.2 | 191.2 | 159.6 | 127.4 | 95.8  | 17.1  |
| 20°   | 317.7 | 315.6 | 309.0 | 295.4 | 274.4 | 245.5 | 212.5 | 175.7 | 138.5 | 102.0 | 15.0  |
| 22.5° | 330.6 | 329.2 | 324.3 | 313.4 | 293.7 | 264.7 | 226.9 | 184.1 | 141.8 | 101.3 | 12.7  |
| 25°   | 332.5 | 332.1 | 327.9 | 319.7 | 303.2 | 274.5 | 233.2 | 185.7 | 139.1 | 95.6  | 10.6  |
| 27.5° | 338.9 | 337.6 | 332.6 | 324.4 | 307.8 | 276.1 | 231.0 | 180.3 | 130.6 | 85.6  | 8.8   |
| 30°   | 346.6 | 345.6 | 340.6 | 332.1 | 312.5 | 274.6 | 223.4 | 168.4 | 117.0 | 72.8  | 6.6   |
| 32.5° | 346.0 | 345.6 | 341.4 | 332.4 | 309.2 | 265.4 | 209.8 | 150.5 | 98.5  | 57.4  | 4.1   |
| 35°   | 341.6 | 340.2 | 334.9 | 321.0 | 290.2 | 241.7 | 183.9 | 126.2 | 78.0  | 42.9  | 2.6   |
| 37.5° | 331.0 | 328.1 | 319.2 | 295.6 | 256.3 | 205.2 | 149.8 | 97.5  | 55.2  | 28.7  | 1.7   |
| 40°   | 303.1 | 299.4 | 281.5 | 253.0 | 211.8 | 161.6 | 111.4 | 67.0  | 36.4  | 17.5  | 0.7   |
| 42.5° | 251.5 | 243.9 | 226.0 | 196.8 | 158.1 | 114.3 | 73.2  | 43.4  | 21.4  | 10.6  | 0.2   |
| 45°   | 186.8 | 181.0 | 162.2 | 135.7 | 103.6 | 73.3  | 44.3  | 23.5  | 11.8  | 6.5   | 0.1   |
| 47.5° | 108.8 | 105.3 | 95.6  | 78.2  | 57.2  | 38.5  | 22.7  | 12.6  | 6.9   | 3.1   | 0.1   |
| 50°   | 56.9  | 52.5  | 45.2  | 34.2  | 25.2  | 17.7  | 11.1  | 6.8   | 3.4   | 1.0   | 0.1   |
| 52.5° | 20.0  | 19.7  | 17.9  | 13.5  | 11.0  | 7.9   | 5.4   | 2.9   | 1.0   | 0.2   | 0.1   |
| 55°   | 2.8   | 2.8   | 2.6   | 2.9   | 3.1   | 2.8   | 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°    | 11.4 | 11.4   | 11.4 | 11.4   | 11.4 |
| 2.5°  | 11.4 | 9.1    | 7.2  | 6.4    | 6.1  |
| 5°    | 10.7 | 6.8    | 4.5  | 3.5    | 3.3  |
| 7.5°  | 9.5  | 4.9    | 2.7  | 2.0    | 1.9  |
| 10°   | 8.3  | 3.5    | 1.7  | 1.2    | 1.1  |
| 12.5° | 6.9  | 2.4    | 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°   | 3.6  | 0.7    | 0.2  | 0.2    | 0.2  |
| 22.5° | 2.7  | 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)