

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: P1335558

Luminaire Tested: P3A02R35B2750DE010 E3A301WMH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335558  
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 E3A301WMH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

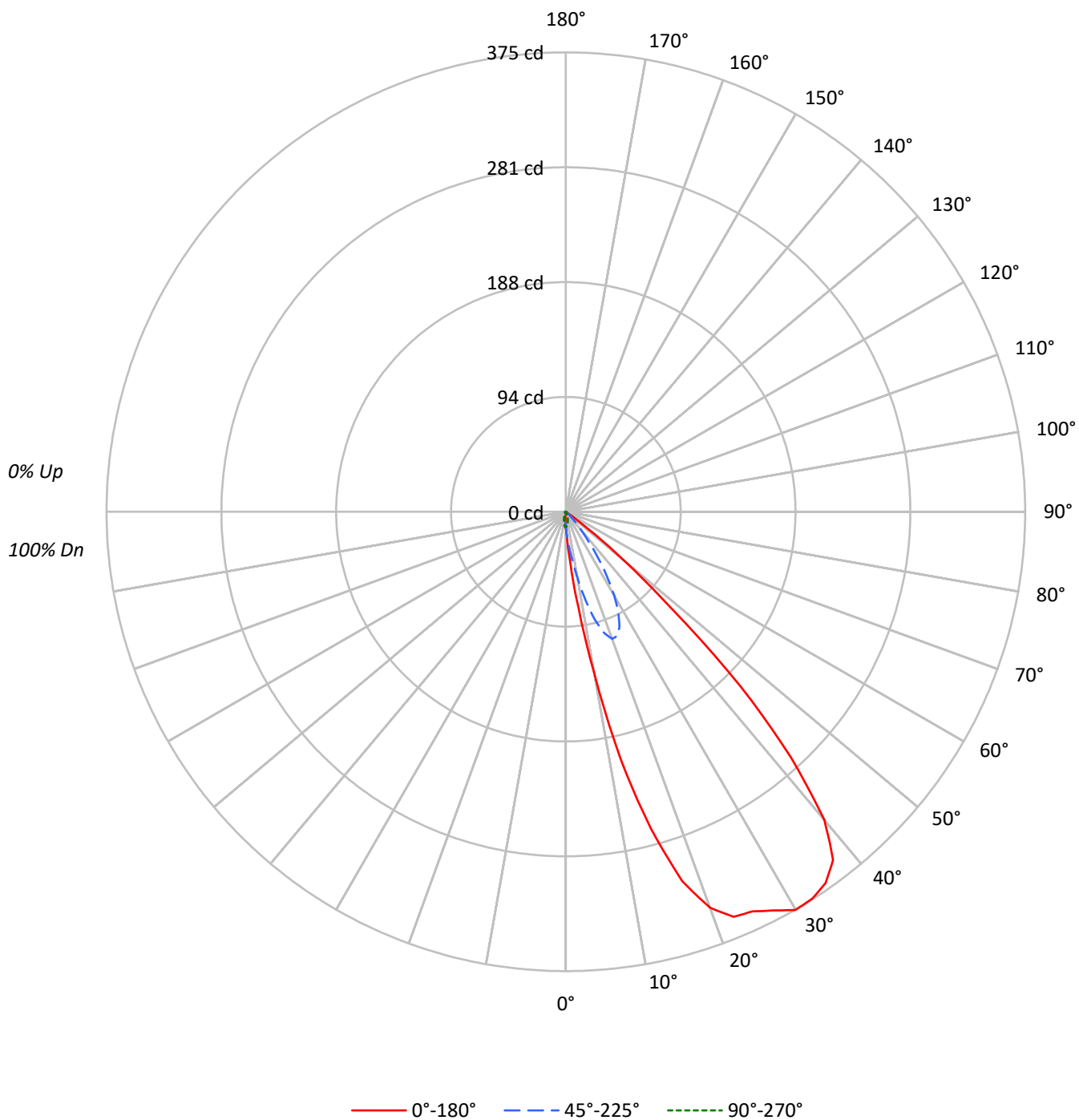
Lumens per Lamp: N/A  
Luminaire Lumens: 117.9 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 75  |    |    |
| 4   | 93  | 84  | 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  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 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  | 51  | 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°  | 2719  | 2719  | 2719 | 2719 | 2719 |
| 5°  | 9267  | 6009  | 2531 | 1079 | 792  |
| 10° | 29792 | 12202 | 2004 | 401  | 267  |
| 15° | 60704 | 20681 | 1407 | 136  | 91   |
| 20° | 80250 | 25762 | 910  | 47   | 47   |
| 25° | 87078 | 25042 | 508  | 24   | 48   |
| 30° | 95002 | 19952 | 203  | 25   | 51   |
| 35° | 98993 | 12421 | 54   | 27   | 54   |
| 40° | 93947 | 5439  | 29   | 57   | 86   |
| 45° | 62704 | 2171  | 31   | 93   | 155  |
| 50° | 21014 | 375   | 68   | 136  | 205  |
| 55° | 1185  | 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: 62704 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.2    | 1.8       |
| 10°-20°   | 16.9   | 14.4      |
| 20°-30°   | 35.8   | 30.3      |
| 30°-40°   | 40.6   | 34.4      |
| 40°-50°   | 20.0   | 16.9      |
| 50°-60°   | 1.7    | 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°    | 54.9   | 46.5      |
| 0°-40°    | 95.4   | 80.9      |
| 0°-60°    | 117.1  | 99.3      |
| 0°-90°    | 117.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 117.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 12  | 12  | 12  | 12   | 12   |      |
| 5°  | 42  | 27  | 12  | 5    | 4    | 7    |
| 15° | 267 | 91  | 6   | 1    | 0    | 76   |
| 25° | 360 | 104 | 2   | 0    | 0    | 167  |
| 35° | 370 | 46  | 0   | 0    | 0    | 228  |
| 45° | 202 | 7   | 0   | 0    | 0    | 149  |
| 55° | 3   | 0   | 0   | 0    | 1    | 12   |
| 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°    | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  |
| 2.5°  | 21.5  | 22.0  | 21.8  | 21.7  | 21.6  | 21.2  | 20.2  | 20.1  | 19.2  | 18.5  | 15.4  |
| 5°    | 42.1  | 41.2  | 41.4  | 40.3  | 38.8  | 36.6  | 35.3  | 32.3  | 29.9  | 27.3  | 17.9  |
| 7.5°  | 79.2  | 78.1  | 75.8  | 72.5  | 69.0  | 64.4  | 57.5  | 52.0  | 45.7  | 39.6  | 19.9  |
| 10°   | 133.8 | 133.1 | 130.3 | 121.6 | 114.0 | 101.8 | 90.4  | 78.3  | 66.4  | 54.8  | 21.3  |
| 12.5° | 206.7 | 202.3 | 197.1 | 185.6 | 170.5 | 155.3 | 132.7 | 111.9 | 92.9  | 73.4  | 21.4  |
| 15°   | 267.4 | 264.6 | 257.3 | 242.2 | 224.1 | 202.1 | 175.3 | 147.2 | 118.6 | 91.1  | 20.3  |
| 17.5° | 316.2 | 311.9 | 302.5 | 287.8 | 266.9 | 238.3 | 207.0 | 172.8 | 137.9 | 103.7 | 18.5  |
| 20°   | 343.9 | 341.7 | 334.5 | 319.8 | 297.0 | 265.8 | 230.1 | 190.2 | 150.0 | 110.4 | 16.2  |
| 22.5° | 357.9 | 356.3 | 351.0 | 339.3 | 318.0 | 286.5 | 245.6 | 199.3 | 153.5 | 109.6 | 13.8  |
| 25°   | 359.9 | 359.5 | 355.0 | 346.1 | 328.3 | 297.1 | 252.4 | 201.0 | 150.6 | 103.5 | 11.4  |
| 27.5° | 366.9 | 365.4 | 360.0 | 351.1 | 333.2 | 298.9 | 250.1 | 195.2 | 141.4 | 92.7  | 9.5   |
| 30°   | 375.2 | 374.1 | 368.7 | 359.5 | 338.3 | 297.2 | 241.8 | 182.3 | 126.7 | 78.8  | 7.1   |
| 32.5° | 374.5 | 374.1 | 369.6 | 359.8 | 334.7 | 287.3 | 227.1 | 162.9 | 106.7 | 62.2  | 4.4   |
| 35°   | 369.8 | 368.3 | 362.6 | 347.5 | 314.2 | 261.6 | 199.1 | 136.6 | 84.4  | 46.4  | 2.9   |
| 37.5° | 358.3 | 355.2 | 345.5 | 320.0 | 277.4 | 222.1 | 162.2 | 105.5 | 59.7  | 31.0  | 1.8   |
| 40°   | 328.2 | 324.1 | 304.7 | 273.9 | 229.3 | 175.0 | 120.6 | 72.6  | 39.4  | 19.0  | 0.7   |
| 42.5° | 272.2 | 264.1 | 244.7 | 213.0 | 171.2 | 123.7 | 79.2  | 47.0  | 23.2  | 11.4  | 0.2   |
| 45°   | 202.2 | 196.0 | 175.6 | 146.9 | 112.2 | 79.3  | 48.0  | 25.4  | 12.8  | 7.0   | 0.1   |
| 47.5° | 117.8 | 114.0 | 103.5 | 84.6  | 62.0  | 41.6  | 24.6  | 13.7  | 7.5   | 3.4   | 0.1   |
| 50°   | 61.6  | 56.9  | 48.9  | 37.1  | 27.3  | 19.2  | 12.0  | 7.3   | 3.7   | 1.1   | 0.1   |
| 52.5° | 21.6  | 21.3  | 19.4  | 14.6  | 11.9  | 8.6   | 5.8   | 3.2   | 1.1   | 0.2   | 0.1   |
| 55°   | 3.1   | 3.1   | 2.9   | 3.2   | 3.4   | 3.1   | 2.0   | 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°    | 12.4 | 12.4   | 12.4 | 12.4   | 12.4 |
| 2.5°  | 12.3 | 9.9    | 7.8  | 6.9    | 6.6  |
| 5°    | 11.5 | 7.4    | 4.9  | 3.8    | 3.6  |
| 7.5°  | 10.3 | 5.3    | 3.0  | 2.1    | 2.0  |
| 10°   | 9.0  | 3.8    | 1.8  | 1.3    | 1.2  |
| 12.5° | 7.5  | 2.6    | 1.2  | 0.7    | 0.6  |
| 15°   | 6.2  | 1.8    | 0.6  | 0.5    | 0.4  |
| 17.5° | 5.0  | 1.2    | 0.4  | 0.3    | 0.4  |
| 20°   | 3.9  | 0.7    | 0.2  | 0.2    | 0.2  |
| 22.5° | 3.0  | 0.4    | 0.2  | 0.2    | 0.2  |
| 25°   | 2.1  | 0.2    | 0.1  | 0.1    | 0.2  |
| 27.5° | 1.5  | 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)