

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: P1335870

Luminaire Tested: P3A02R40B2750DE010 E3A301H\_2700K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R40B2750DE010 E3A301H\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3A301H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

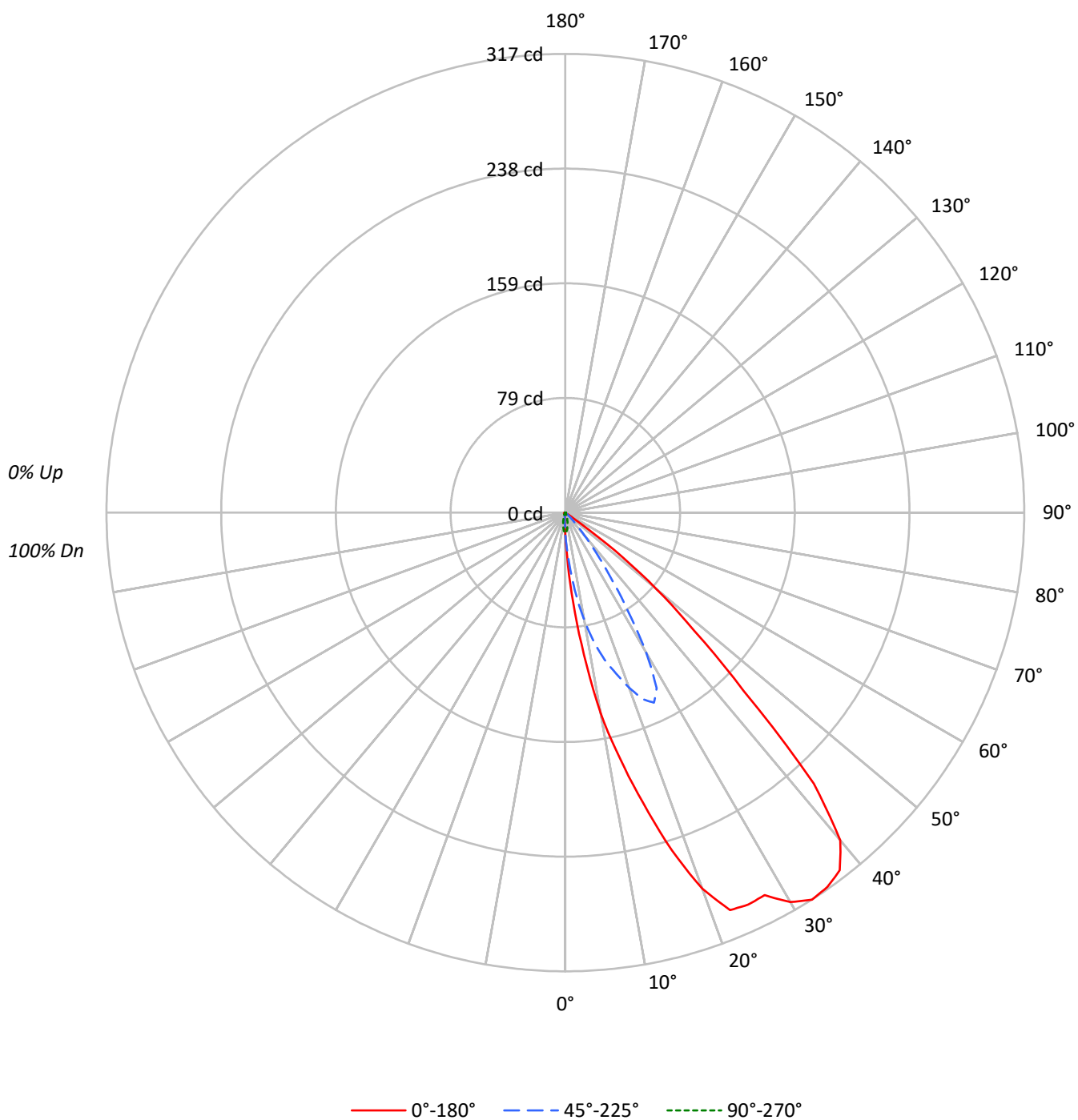
Lumens per Lamp: N/A  
Luminaire Lumens: 117.0 lumens  
Efficiency: N/A  
Efficacy: 40.4 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 82  |    |    |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |
| 4   | 92  | 83  | 77  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 67  |    |    |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 60  |    |    |
| 6   | 80  | 70  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 3026  | 3026  | 3026 | 3026 | 3026 |
| 5°  | 13691 | 8739  | 2729 | 1035 | 770  |
| 10° | 31396 | 16856 | 1915 | 379  | 289  |
| 15° | 47129 | 23927 | 1180 | 204  | 182  |
| 20° | 64522 | 30009 | 700  | 117  | 140  |
| 25° | 72319 | 35058 | 363  | 97   | 121  |
| 30° | 78670 | 28283 | 152  | 76   | 127  |
| 35° | 84537 | 14482 | 54   | 107  | 161  |
| 40° | 84587 | 5782  | 29   | 115  | 200  |
| 45° | 53990 | 1923  | 62   | 186  | 279  |
| 50° | 28042 | 239   | 102  | 239  | 341  |
| 55° | 2409  | 38    | 115  | 306  | 421  |
| 60° | 88    | 44    | 132  | 351  | 482  |
| 65° | 104   | 52    | 208  | 363  | 519  |
| 70° | 64    | 64    | 256  | 385  | 513  |
| 75° | 85    | 85    | 254  | 424  | 593  |
| 80° | 126   | 126   | 379  | 379  | 505  |
| 85° | 0     | 252   | 755  | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53990 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.7    | 2.3       |
| 10°-20°   | 15.8   | 13.5      |
| 20°-30°   | 34.7   | 29.6      |
| 30°-40°   | 39.5   | 33.8      |
| 40°-50°   | 20.8   | 17.8      |
| 50°-60°   | 2.5    | 2.1       |
| 60°-70°   | 0.4    | 0.4       |
| 70°-80°   | 0.4    | 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°    | 53.2   | 45.5      |
| 0°-40°    | 92.7   | 79.2      |
| 0°-60°    | 116.0  | 99.2      |
| 0°-90°    | 117.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 117.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 14  | 14  | 14  | 14   | 14   |      |
| 5°  | 62  | 40  | 12  | 5    | 4    | 8    |
| 15° | 208 | 105 | 5   | 1    | 1    | 61   |
| 25° | 299 | 145 | 2   | 0    | 0    | 138  |
| 35° | 316 | 54  | 0   | 0    | 1    | 196  |
| 45° | 174 | 6   | 0   | 1    | 1    | 140  |
| 55° | 6   | 0   | 0   | 1    | 1    | 20   |
| 65° | 0   | 0   | 0   | 1    | 1    | 0    |
| 75° | 0   | 0   | 0   | 0    | 1    | 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°    | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  | 13.8  |
| 2.5°  | 30.9  | 30.9  | 30.8  | 29.9  | 29.8  | 29.7  | 28.1  | 27.7  | 25.8  | 24.5  | 18.7  |
| 5°    | 62.2  | 60.8  | 60.7  | 59.1  | 56.5  | 52.9  | 50.6  | 47.0  | 43.4  | 39.7  | 23.0  |
| 7.5°  | 99.1  | 100.3 | 97.0  | 95.3  | 89.4  | 85.1  | 78.6  | 72.9  | 64.9  | 57.4  | 26.6  |
| 10°   | 141.0 | 138.9 | 135.7 | 132.4 | 126.0 | 118.4 | 108.7 | 98.5  | 86.9  | 75.7  | 28.6  |
| 12.5° | 173.7 | 171.1 | 169.1 | 164.6 | 158.3 | 148.5 | 137.0 | 123.3 | 108.0 | 91.9  | 28.5  |
| 15°   | 207.6 | 204.9 | 200.4 | 196.5 | 187.1 | 176.1 | 163.6 | 145.6 | 126.8 | 105.4 | 26.4  |
| 17.5° | 244.7 | 241.3 | 236.3 | 230.3 | 221.2 | 209.0 | 193.1 | 171.2 | 144.6 | 116.5 | 22.6  |
| 20°   | 276.5 | 274.4 | 269.5 | 262.3 | 253.4 | 241.6 | 223.2 | 198.9 | 166.4 | 128.6 | 18.0  |
| 22.5° | 297.3 | 295.4 | 292.0 | 285.8 | 279.1 | 266.4 | 249.6 | 222.9 | 184.7 | 139.5 | 13.6  |
| 25°   | 298.9 | 298.1 | 297.3 | 295.2 | 291.1 | 282.1 | 265.7 | 236.9 | 196.1 | 144.9 | 10.1  |
| 27.5° | 298.0 | 297.7 | 297.5 | 296.5 | 293.8 | 284.9 | 268.1 | 239.0 | 194.6 | 136.6 | 7.4   |
| 30°   | 310.7 | 309.8 | 309.3 | 305.8 | 298.7 | 285.0 | 263.0 | 227.8 | 173.0 | 111.7 | 5.3   |
| 32.5° | 317.1 | 316.9 | 316.4 | 313.0 | 303.1 | 285.2 | 254.5 | 200.8 | 137.2 | 80.7  | 3.7   |
| 35°   | 315.8 | 314.9 | 313.1 | 306.6 | 292.9 | 270.5 | 227.0 | 160.4 | 99.0  | 54.1  | 2.4   |
| 37.5° | 311.5 | 309.2 | 305.8 | 294.2 | 275.9 | 245.2 | 184.1 | 118.1 | 67.3  | 35.0  | 1.4   |
| 40°   | 295.5 | 292.4 | 287.0 | 272.8 | 248.8 | 202.1 | 136.2 | 79.8  | 44.2  | 20.2  | 0.4   |
| 42.5° | 254.0 | 250.1 | 246.1 | 230.3 | 202.8 | 150.7 | 89.6  | 49.3  | 25.2  | 11.1  | 0.1   |
| 45°   | 174.1 | 169.2 | 163.8 | 152.3 | 130.2 | 91.3  | 53.3  | 27.8  | 13.1  | 6.2   | 0.1   |
| 47.5° | 120.9 | 118.7 | 109.2 | 94.5  | 72.5  | 48.4  | 27.6  | 13.6  | 6.9   | 2.9   | 0.1   |
| 50°   | 82.2  | 79.6  | 68.5  | 54.4  | 38.6  | 23.1  | 12.7  | 6.8   | 3.1   | 0.7   | 0.1   |
| 52.5° | 43.1  | 40.0  | 32.9  | 25.1  | 15.6  | 9.7   | 5.5   | 3.0   | 0.9   | 0.1   | 0.1   |
| 55°   | 6.3   | 5.8   | 4.7   | 3.9   | 3.5   | 2.7   | 1.6   | 0.7   | 0.1   | 0.1   | 0.2   |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   | 0.3   | 0.2   | 0.1   | 0.1   | 0.1   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.3   |
| 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   | 0.2   | 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° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.3   |
| 80°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 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   | 0.3   |
| 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°    | 13.8 | 13.8   | 13.8 | 13.8   | 13.8 |
| 2.5°  | 13.6 | 10.1   | 7.8  | 6.7    | 6.6  |
| 5°    | 12.4 | 7.2    | 4.7  | 3.7    | 3.5  |
| 7.5°  | 10.5 | 5.0    | 2.8  | 2.0    | 1.9  |
| 10°   | 8.6  | 3.5    | 1.7  | 1.4    | 1.3  |
| 12.5° | 6.8  | 2.3    | 1.2  | 1.1    | 1.0  |
| 15°   | 5.2  | 1.5    | 0.9  | 0.8    | 0.8  |
| 17.5° | 4.0  | 1.0    | 0.7  | 0.7    | 0.7  |
| 20°   | 3.0  | 0.7    | 0.5  | 0.6    | 0.6  |
| 22.5° | 2.1  | 0.5    | 0.4  | 0.5    | 0.5  |
| 25°   | 1.5  | 0.4    | 0.4  | 0.5    | 0.5  |
| 27.5° | 1.0  | 0.3    | 0.3  | 0.4    | 0.5  |
| 30°   | 0.6  | 0.2    | 0.3  | 0.4    | 0.5  |
| 32.5° | 0.3  | 0.2    | 0.3  | 0.5    | 0.5  |
| 35°   | 0.2  | 0.3    | 0.4  | 0.5    | 0.6  |
| 37.5° | 0.1  | 0.3    | 0.4  | 0.6    | 0.6  |
| 40°   | 0.1  | 0.3    | 0.4  | 0.6    | 0.7  |
| 42.5° | 0.2  | 0.4    | 0.5  | 0.7    | 0.8  |
| 45°   | 0.2  | 0.4    | 0.6  | 0.8    | 0.9  |
| 47.5° | 0.2  | 0.4    | 0.7  | 0.9    | 0.9  |
| 50°   | 0.3  | 0.5    | 0.7  | 0.9    | 1.0  |
| 52.5° | 0.3  | 0.5    | 0.7  | 1.0    | 1.1  |
| 55°   | 0.3  | 0.5    | 0.8  | 1.0    | 1.1  |
| 57.5° | 0.3  | 0.6    | 0.8  | 1.0    | 1.1  |
| 60°   | 0.3  | 0.5    | 0.8  | 1.0    | 1.1  |
| 62.5° | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 65°   | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 67.5° | 0.4  | 0.5    | 0.7  | 0.9    | 0.9  |
| 70°   | 0.4  | 0.5    | 0.6  | 0.8    | 0.8  |
| 72.5° | 0.4  | 0.5    | 0.6  | 0.7    | 0.8  |
| 75°   | 0.3  | 0.4    | 0.5  | 0.6    | 0.7  |
| 77.5° | 0.3  | 0.4    | 0.4  | 0.6    | 0.6  |
| 80°   | 0.3  | 0.3    | 0.3  | 0.4    | 0.4  |
| 82.5° | 0.3  | 0.3    | 0.2  | 0.3    | 0.3  |
| 85°   | 0.3  | 0.2    | 0.2  | 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)