

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: P1338004

Luminaire Tested: P3A05R309840DE010 E3A301H

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R309840DE010 E3A301H  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , E3A301H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

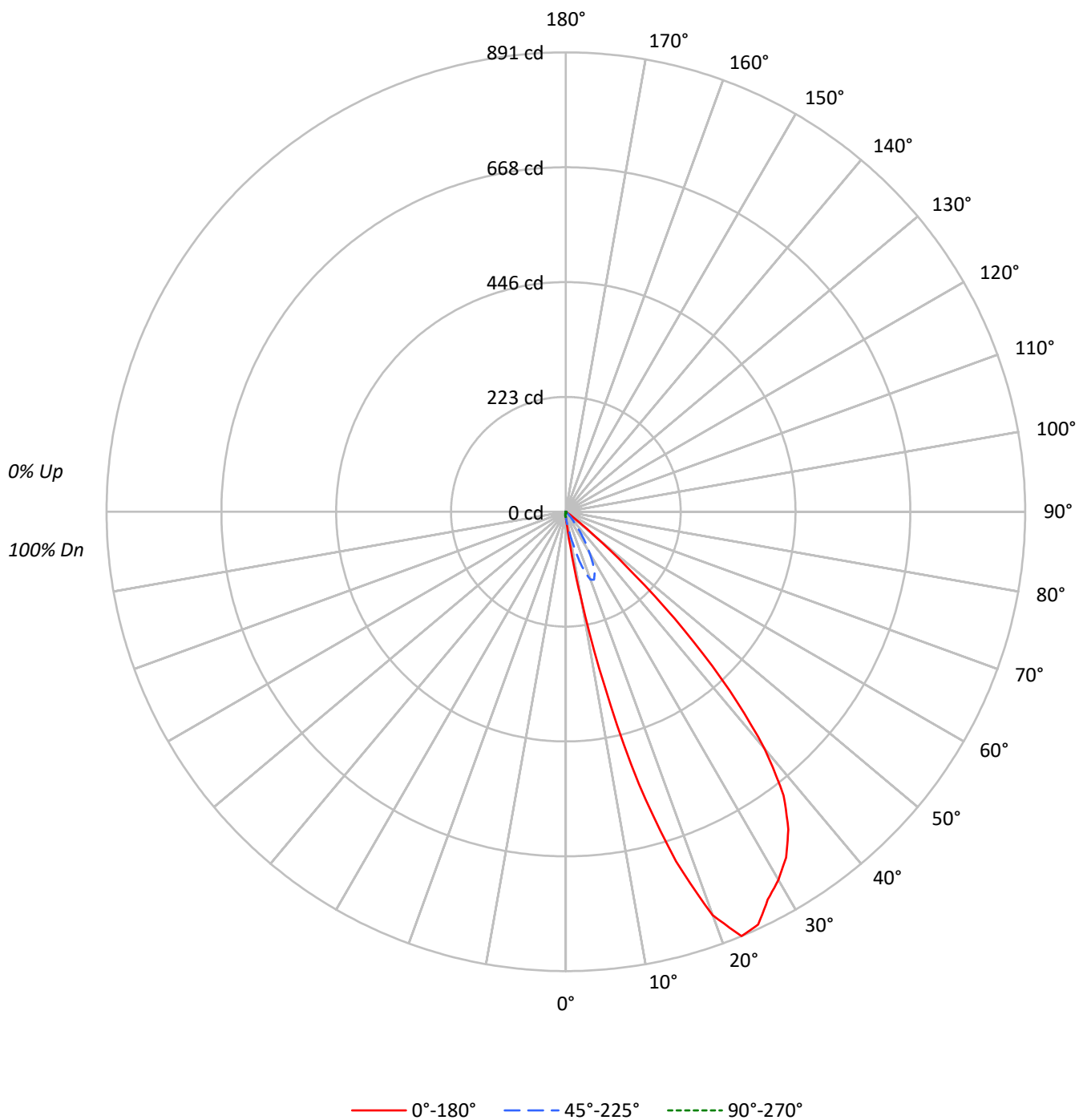
Lumens per Lamp: N/A  
Luminaire Lumens: 210.1 lumens  
Efficiency: N/A  
Efficacy: 29.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 63  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2193   | 2193  | 2193 | 2193 | 2193 |
| 5°  | 6582   | 4402  | 2069 | 924  | 770  |
| 10° | 38165  | 9307  | 1625 | 423  | 289  |
| 15° | 124110 | 21135 | 1135 | 91   | 45   |
| 20° | 194197 | 32693 | 723  | 0    | 0    |
| 25° | 213666 | 31937 | 363  | 0    | 0    |
| 30° | 208690 | 23042 | 152  | 0    | 0    |
| 35° | 201412 | 13090 | 54   | 0    | 0    |
| 40° | 171750 | 5553  | 0    | 0    | 0    |
| 45° | 100817 | 2078  | 62   | 0    | 62   |
| 50° | 24494  | 409   | 68   | 68   | 205  |
| 55° | 2141   | 0     | 153  | 229  | 306  |
| 60° | 88     | 0     | 175  | 263  | 439  |
| 65° | 104    | 104   | 311  | 311  | 519  |
| 70° | 128    | 128   | 385  | 385  | 513  |
| 75° | 0      | 169   | 508  | 508  | 508  |
| 80° | 0      | 253   | 758  | 505  | 505  |
| 85° | 0      | 503   | 1510 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100817 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.8    | 0.9       |
| 10°-20°   | 28.9   | 13.7      |
| 20°-30°   | 73.3   | 34.9      |
| 30°-40°   | 73.1   | 34.8      |
| 40°-50°   | 29.6   | 14.1      |
| 50°-60°   | 2.1    | 1.0       |
| 60°-70°   | 0.5    | 0.2       |
| 70°-80°   | 0.5    | 0.2       |
| 80°-90°   | 0.3    | 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°    | 104.0  | 49.5      |
| 0°-40°    | 177.1  | 84.3      |
| 0°-60°    | 208.8  | 99.4      |
| 0°-90°    | 210.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 210.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 10  | 10  | 10  | 10   | 10   |      |
| 5°  | 30  | 20  | 9   | 4    | 4    | 7    |
| 15° | 547 | 93  | 5   | 0    | 0    | 159  |
| 25° | 883 | 132 | 2   | 0    | 0    | 399  |
| 35° | 752 | 49  | 0   | 0    | 0    | 461  |
| 45° | 325 | 7   | 0   | 0    | 0    | 248  |
| 55° | 6   | 0   | 0   | 1    | 1    | 15   |
| 65° | 0   | 0   | 1   | 1    | 1    | 0    |
| 75° | 0   | 0   | 1   | 1    | 1    | 0    |
| 85° | 0   | 0   | 1   | 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°    | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 2.5°  | 16.5  | 16.7  | 16.7  | 16.3  | 16.1  | 16.1  | 15.5  | 15.4  | 14.8  | 14.2  | 12.3  |
| 5°    | 29.9  | 29.4  | 28.6  | 28.6  | 26.9  | 25.9  | 24.6  | 23.0  | 21.9  | 20.0  | 14.2  |
| 7.5°  | 67.9  | 63.3  | 62.0  | 60.3  | 53.7  | 48.5  | 42.6  | 37.4  | 32.6  | 28.6  | 15.7  |
| 10°   | 171.4 | 162.3 | 154.9 | 139.7 | 120.7 | 102.5 | 85.6  | 66.0  | 52.6  | 41.8  | 16.9  |
| 12.5° | 345.2 | 333.1 | 318.7 | 291.1 | 255.6 | 210.1 | 169.8 | 126.8 | 89.0  | 61.6  | 17.3  |
| 15°   | 546.7 | 526.2 | 503.7 | 468.6 | 410.5 | 345.2 | 272.5 | 204.0 | 143.0 | 93.1  | 16.9  |
| 17.5° | 711.0 | 702.9 | 669.7 | 621.7 | 550.5 | 466.5 | 376.9 | 283.2 | 192.9 | 121.9 | 15.7  |
| 20°   | 832.2 | 826.7 | 786.6 | 735.5 | 655.3 | 559.0 | 445.2 | 332.7 | 227.6 | 140.1 | 14.0  |
| 22.5° | 890.8 | 889.8 | 860.8 | 808.6 | 723.6 | 614.4 | 489.1 | 361.3 | 238.3 | 142.6 | 11.7  |
| 25°   | 883.1 | 886.5 | 870.0 | 831.3 | 749.7 | 637.3 | 502.2 | 361.3 | 230.5 | 132.0 | 9.8   |
| 27.5° | 848.2 | 850.5 | 840.1 | 810.4 | 734.4 | 620.8 | 484.0 | 338.1 | 207.6 | 113.4 | 8.1   |
| 30°   | 824.2 | 825.1 | 812.3 | 780.4 | 699.8 | 583.2 | 441.0 | 295.1 | 173.1 | 91.0  | 5.9   |
| 32.5° | 795.0 | 794.8 | 779.8 | 743.4 | 654.5 | 530.4 | 386.5 | 243.9 | 133.0 | 69.1  | 3.5   |
| 35°   | 752.4 | 747.6 | 727.3 | 685.2 | 587.0 | 459.4 | 316.8 | 185.8 | 95.8  | 48.9  | 2.1   |
| 37.5° | 693.9 | 681.4 | 652.6 | 596.4 | 492.2 | 360.2 | 234.9 | 130.5 | 65.4  | 32.4  | 1.3   |
| 40°   | 600.0 | 586.8 | 547.7 | 479.3 | 372.3 | 259.2 | 158.3 | 85.0  | 41.3  | 19.4  | 0.8   |
| 42.5° | 470.5 | 461.5 | 408.7 | 340.6 | 245.8 | 165.4 | 95.2  | 50.3  | 23.2  | 11.1  | 0.2   |
| 45°   | 325.1 | 313.4 | 271.9 | 214.2 | 147.6 | 91.7  | 53.3  | 26.3  | 13.2  | 6.7   | 0.0   |
| 47.5° | 179.4 | 165.0 | 141.0 | 110.9 | 74.3  | 48.2  | 26.9  | 14.2  | 7.5   | 3.3   | 0.0   |
| 50°   | 71.8  | 71.2  | 56.6  | 40.3  | 28.4  | 21.9  | 13.4  | 7.7   | 3.8   | 1.2   | 0.2   |
| 52.5° | 25.1  | 25.1  | 21.7  | 17.7  | 13.8  | 10.0  | 6.7   | 3.6   | 1.3   | 0.4   | 0.2   |
| 55°   | 5.6   | 6.1   | 5.8   | 5.4   | 5.2   | 4.4   | 2.9   | 1.3   | 0.4   | 0.0   | 0.2   |
| 57.5° | 0.6   | 0.6   | 0.6   | 0.8   | 1.0   | 1.0   | 0.8   | 0.4   | 0.0   | 0.0   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.4   |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.4   |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 75°   | 0.0   | 0.0   | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.4   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.4   |
| 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°    | 10.0 | 10.0   | 10.0 | 10.0   | 10.0 |
| 2.5°  | 10.0 | 7.9    | 6.5  | 5.8    | 5.6  |
| 5°    | 9.4  | 5.9    | 4.2  | 3.6    | 3.5  |
| 7.5°  | 8.4  | 4.4    | 2.9  | 2.3    | 2.1  |
| 10°   | 7.3  | 3.3    | 1.9  | 1.3    | 1.3  |
| 12.5° | 6.1  | 2.5    | 1.2  | 0.6    | 0.4  |
| 15°   | 5.0  | 1.5    | 0.4  | 0.2    | 0.2  |
| 17.5° | 3.8  | 1.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 3.1  | 0.4    | 0.0  | 0.0    | 0.0  |
| 22.5° | 2.3  | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 1.5  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.6  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 37.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.2  | 0.0    | 0.0  | 0.2    | 0.2  |
| 47.5° | 0.2  | 0.2    | 0.2  | 0.4    | 0.4  |
| 50°   | 0.2  | 0.2    | 0.2  | 0.4    | 0.6  |
| 52.5° | 0.4  | 0.2    | 0.4  | 0.6    | 0.6  |
| 55°   | 0.4  | 0.4    | 0.6  | 0.8    | 0.8  |
| 57.5° | 0.4  | 0.4    | 0.6  | 0.8    | 0.8  |
| 60°   | 0.4  | 0.4    | 0.6  | 0.8    | 1.0  |
| 62.5° | 0.6  | 0.6    | 0.6  | 0.8    | 0.8  |
| 65°   | 0.6  | 0.6    | 0.6  | 0.8    | 1.0  |
| 67.5° | 0.6  | 0.6    | 0.6  | 0.8    | 1.0  |
| 70°   | 0.6  | 0.6    | 0.6  | 0.8    | 0.8  |
| 72.5° | 0.8  | 0.6    | 0.6  | 0.8    | 0.8  |
| 75°   | 0.6  | 0.6    | 0.6  | 0.6    | 0.6  |
| 77.5° | 0.6  | 0.6    | 0.4  | 0.6    | 0.6  |
| 80°   | 0.6  | 0.4    | 0.4  | 0.4    | 0.4  |
| 82.5° | 0.6  | 0.4    | 0.4  | 0.4    | 0.4  |
| 85°   | 0.6  | 0.4    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.6  | 0.4    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)