

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: P1338293

Luminaire Tested: P3A05R359024DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338293  
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: P3A05R359024DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

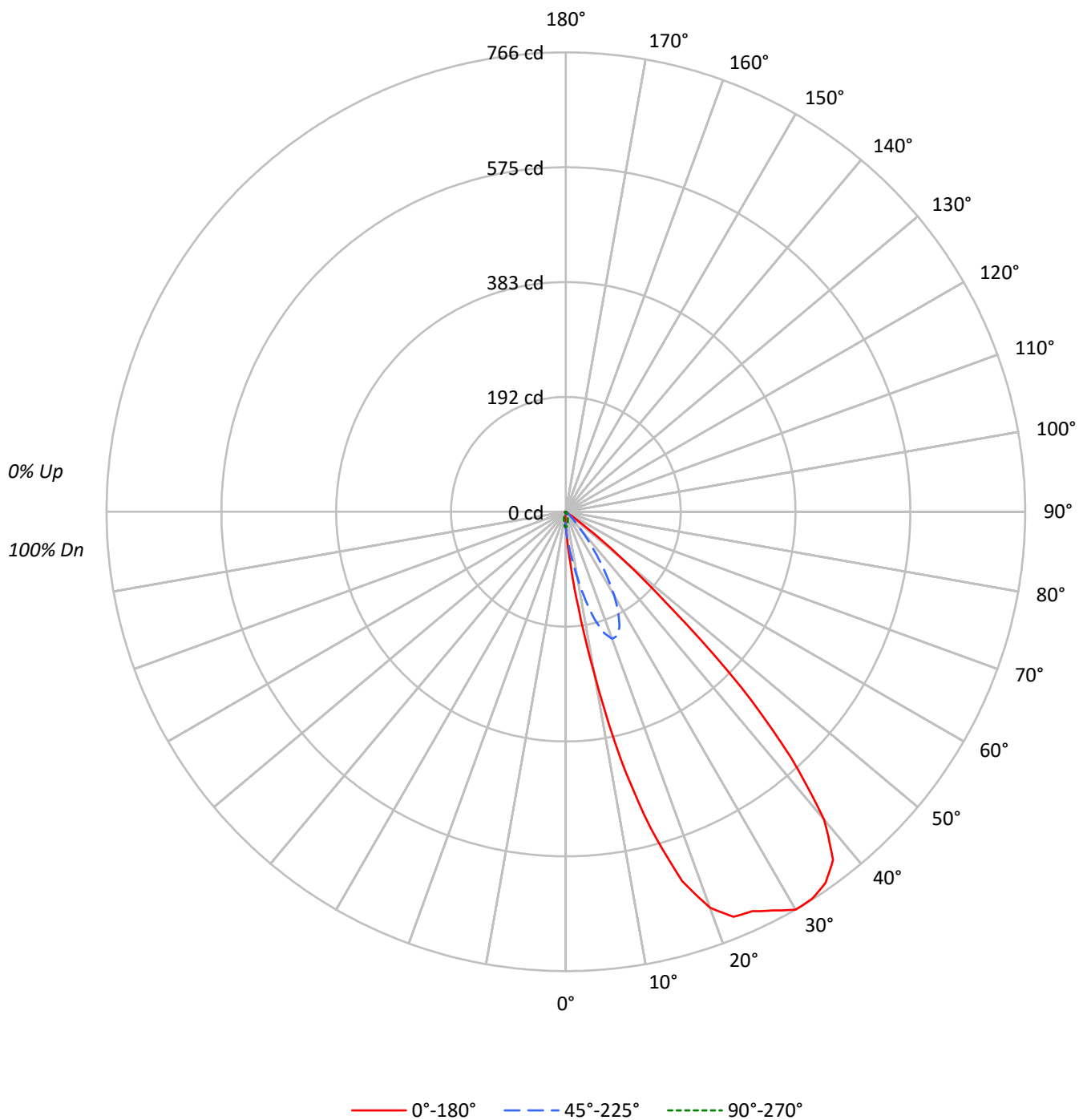
Lumens per Lamp: N/A  
Luminaire Lumens: 240.9 lumens  
Efficiency: N/A  
Efficacy: 33.5 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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   | 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  | 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  | 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  | 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°  | 5548   | 5548  | 5548 | 5548 | 5548 |
| 5°  | 18908  | 12283 | 5195 | 2201 | 1629 |
| 10° | 60832  | 24894 | 4097 | 824  | 534  |
| 15° | 123951 | 42225 | 2906 | 295  | 204  |
| 20° | 163908 | 52598 | 1867 | 93   | 93   |
| 25° | 177857 | 51148 | 1040 | 48   | 97   |
| 30° | 194030 | 40766 | 430  | 51   | 101  |
| 35° | 202161 | 25377 | 107  | 54   | 107  |
| 40° | 191845 | 11078 | 57   | 115  | 172  |
| 45° | 128075 | 4435  | 62   | 186  | 341  |
| 50° | 42950  | 751   | 136  | 307  | 443  |
| 55° | 2409   | 76    | 153  | 421  | 573  |
| 60° | 175    | 88    | 263  | 482  | 658  |
| 65° | 208    | 104   | 311  | 571  | 778  |
| 70° | 128    | 128   | 385  | 705  | 833  |
| 75° | 169    | 169   | 508  | 763  | 932  |
| 80° | 0      | 253   | 758  | 758  | 758  |
| 85° | 0      | 503   | 1510 | 503  | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128075 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.4    | 1.8       |
| 10°-20°   | 34.6   | 14.4      |
| 20°-30°   | 73.1   | 30.3      |
| 30°-40°   | 82.9   | 34.4      |
| 40°-50°   | 40.8   | 16.9      |
| 50°-60°   | 3.5    | 1.5       |
| 60°-70°   | 0.7    | 0.3       |
| 70°-80°   | 0.7    | 0.3       |
| 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°    | 112.1  | 46.5      |
| 0°-40°    | 194.9  | 80.9      |
| 0°-60°    | 239.3  | 99.3      |
| 0°-90°    | 240.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 240.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 25  | 25  | 25  | 25   | 25   |      |
| 5°  | 86  | 56  | 24  | 10   | 7    | 14   |
| 15° | 546 | 186 | 13  | 1    | 1    | 155  |
| 25° | 735 | 211 | 4   | 0    | 0    | 342  |
| 35° | 755 | 95  | 0   | 0    | 0    | 465  |
| 45° | 413 | 14  | 0   | 1    | 1    | 305  |
| 55° | 6   | 0   | 0   | 1    | 2    | 25   |
| 65° | 0   | 0   | 1   | 1    | 2    | 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°    | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  |
| 2.5°  | 43.9  | 45.0  | 44.6  | 44.3  | 44.1  | 43.3  | 41.3  | 41.1  | 39.2  | 37.9  | 31.4  |
| 5°    | 85.9  | 84.2  | 84.6  | 82.2  | 79.2  | 74.9  | 72.0  | 66.0  | 61.0  | 55.8  | 36.6  |
| 7.5°  | 161.8 | 159.4 | 154.9 | 148.0 | 140.8 | 131.5 | 117.5 | 106.2 | 93.2  | 80.9  | 40.7  |
| 10°   | 273.2 | 271.9 | 266.1 | 248.4 | 232.8 | 207.9 | 184.5 | 159.9 | 135.6 | 111.8 | 43.5  |
| 12.5° | 422.1 | 413.2 | 402.6 | 379.0 | 348.3 | 317.1 | 271.1 | 228.5 | 189.7 | 149.9 | 43.7  |
| 15°   | 546.0 | 540.4 | 525.5 | 494.8 | 457.8 | 412.8 | 358.0 | 300.7 | 242.3 | 186.0 | 41.5  |
| 17.5° | 645.8 | 637.1 | 617.9 | 587.8 | 545.2 | 486.8 | 422.7 | 352.8 | 281.7 | 211.8 | 37.9  |
| 20°   | 702.4 | 697.9 | 683.2 | 653.1 | 606.6 | 542.8 | 469.9 | 388.5 | 306.3 | 225.4 | 33.1  |
| 22.5° | 731.0 | 727.8 | 716.9 | 692.9 | 649.4 | 585.2 | 501.7 | 407.1 | 313.5 | 223.9 | 28.1  |
| 25°   | 735.1 | 734.2 | 724.9 | 706.8 | 670.4 | 606.8 | 515.5 | 410.6 | 307.6 | 211.4 | 23.4  |
| 27.5° | 749.4 | 746.4 | 735.3 | 717.2 | 680.6 | 610.5 | 510.8 | 398.7 | 288.8 | 189.3 | 19.5  |
| 30°   | 766.3 | 764.1 | 753.1 | 734.2 | 691.0 | 607.0 | 493.9 | 372.3 | 258.7 | 161.0 | 14.5  |
| 32.5° | 765.0 | 764.1 | 754.8 | 734.9 | 683.6 | 586.7 | 463.8 | 332.7 | 217.9 | 127.0 | 9.1   |
| 35°   | 755.2 | 752.2 | 740.5 | 709.8 | 641.7 | 534.4 | 406.7 | 279.1 | 172.4 | 94.8  | 5.8   |
| 37.5° | 731.9 | 725.4 | 705.7 | 653.6 | 566.6 | 453.7 | 331.2 | 215.5 | 122.0 | 63.4  | 3.7   |
| 40°   | 670.2 | 662.0 | 622.4 | 559.4 | 468.4 | 357.4 | 246.4 | 148.2 | 80.5  | 38.7  | 1.5   |
| 42.5° | 556.0 | 539.3 | 499.7 | 435.1 | 349.6 | 252.7 | 161.8 | 96.1  | 47.4  | 23.4  | 0.4   |
| 45°   | 413.0 | 400.2 | 358.7 | 300.1 | 229.1 | 162.0 | 98.0  | 51.9  | 26.2  | 14.3  | 0.2   |
| 47.5° | 240.6 | 232.8 | 211.4 | 172.9 | 126.6 | 85.0  | 50.2  | 27.9  | 15.4  | 6.9   | 0.2   |
| 50°   | 125.9 | 116.2 | 99.9  | 75.7  | 55.8  | 39.2  | 24.4  | 14.9  | 7.6   | 2.2   | 0.2   |
| 52.5° | 44.1  | 43.5  | 39.6  | 29.9  | 24.2  | 17.5  | 11.9  | 6.5   | 2.2   | 0.4   | 0.2   |
| 55°   | 6.3   | 6.3   | 5.8   | 6.5   | 6.9   | 6.3   | 4.1   | 1.7   | 0.4   | 0.2   | 0.2   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.6   | 0.9   | 0.9   | 0.6   | 0.2   | 0.2   | 0.2   | 0.4   |
| 60°   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 62.5° | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 65°   | 0.4   | 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°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 77.5° | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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   | 0.2   | 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°    | 25.3 | 25.3   | 25.3 | 25.3   | 25.3 |
| 2.5°  | 25.1 | 20.1   | 16.0 | 14.1   | 13.4 |
| 5°    | 23.6 | 15.1   | 10.0 | 7.8    | 7.4  |
| 7.5°  | 21.0 | 10.8   | 6.1  | 4.3    | 4.1  |
| 10°   | 18.4 | 7.8    | 3.7  | 2.6    | 2.4  |
| 12.5° | 15.4 | 5.4    | 2.4  | 1.5    | 1.3  |
| 15°   | 12.8 | 3.7    | 1.3  | 1.1    | 0.9  |
| 17.5° | 10.2 | 2.4    | 0.9  | 0.6    | 0.9  |
| 20°   | 8.0  | 1.5    | 0.4  | 0.4    | 0.4  |
| 22.5° | 6.1  | 0.9    | 0.4  | 0.4    | 0.4  |
| 25°   | 4.3  | 0.4    | 0.2  | 0.2    | 0.4  |
| 27.5° | 3.0  | 0.2    | 0.2  | 0.2    | 0.4  |
| 30°   | 1.7  | 0.2    | 0.2  | 0.2    | 0.4  |
| 32.5° | 0.9  | 0.2    | 0.2  | 0.4    | 0.4  |
| 35°   | 0.4  | 0.2    | 0.2  | 0.4    | 0.4  |
| 37.5° | 0.2  | 0.2    | 0.2  | 0.4    | 0.6  |
| 40°   | 0.2  | 0.2    | 0.4  | 0.6    | 0.6  |
| 42.5° | 0.2  | 0.2    | 0.4  | 0.6    | 0.9  |
| 45°   | 0.2  | 0.4    | 0.6  | 0.9    | 1.1  |
| 47.5° | 0.4  | 0.4    | 0.9  | 1.1    | 1.3  |
| 50°   | 0.4  | 0.6    | 0.9  | 1.3    | 1.3  |
| 52.5° | 0.4  | 0.6    | 1.1  | 1.3    | 1.5  |
| 55°   | 0.4  | 0.9    | 1.1  | 1.5    | 1.5  |
| 57.5° | 0.6  | 0.9    | 1.1  | 1.5    | 1.5  |
| 60°   | 0.6  | 0.9    | 1.1  | 1.5    | 1.5  |
| 62.5° | 0.6  | 0.9    | 1.1  | 1.5    | 1.5  |
| 65°   | 0.6  | 0.9    | 1.1  | 1.5    | 1.5  |
| 67.5° | 0.6  | 0.9    | 1.1  | 1.3    | 1.5  |
| 70°   | 0.6  | 0.9    | 1.1  | 1.3    | 1.3  |
| 72.5° | 0.9  | 0.9    | 1.1  | 1.3    | 1.3  |
| 75°   | 0.6  | 0.9    | 0.9  | 1.1    | 1.1  |
| 77.5° | 0.6  | 0.6    | 0.6  | 0.9    | 0.9  |
| 80°   | 0.6  | 0.6    | 0.6  | 0.6    | 0.6  |
| 82.5° | 0.6  | 0.4    | 0.4  | 0.6    | 0.6  |
| 85°   | 0.6  | 0.4    | 0.2  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)