

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: P1338931

Luminaire Tested: P3A05R409730DE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338931  
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: P3A05R409730DE010 E3A301GPH  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

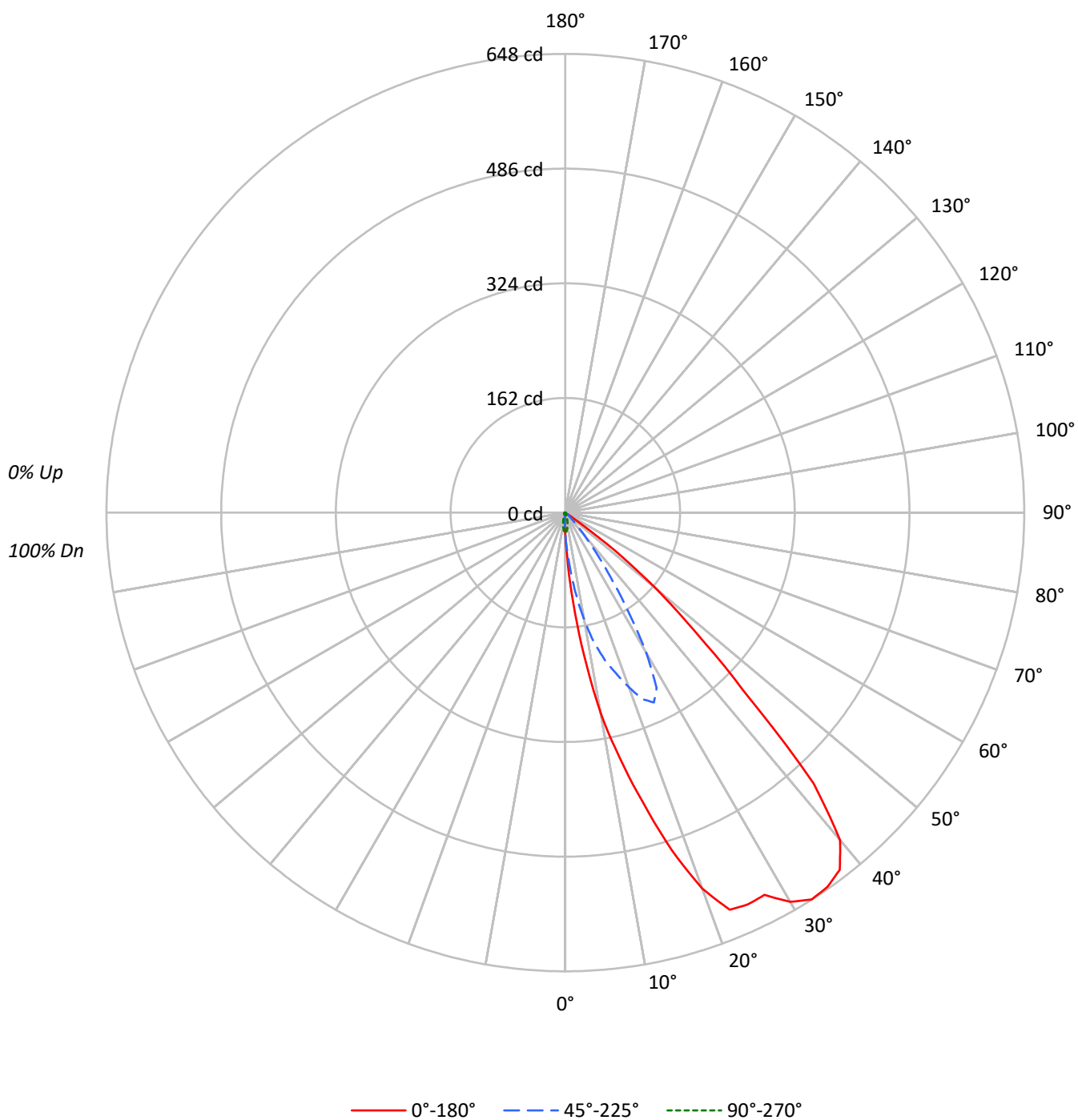
Lumens per Lamp: N/A  
Luminaire Lumens: 239.0 lumens  
Efficiency: N/A  
Efficacy: 33.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 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  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 52  | 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°  | 6206   | 6206  | 6206 | 6206 | 6206 |
| 5°  | 27977  | 17830 | 5547 | 2135 | 1563 |
| 10° | 64127  | 34446 | 3919 | 757  | 579  |
| 15° | 96255  | 48877 | 2429 | 409  | 363  |
| 20° | 131798 | 61279 | 1423 | 233  | 280  |
| 25° | 147734 | 71593 | 726  | 194  | 242  |
| 30° | 160708 | 57806 | 304  | 152  | 253  |
| 35° | 172715 | 29580 | 107  | 214  | 321  |
| 40° | 172781 | 11794 | 57   | 229  | 401  |
| 45° | 110306 | 3938  | 124  | 372  | 558  |
| 50° | 57277  | 478   | 205  | 478  | 682  |
| 55° | 4932   | 76    | 229  | 612  | 841  |
| 60° | 175    | 88    | 263  | 702  | 965  |
| 65° | 208    | 104   | 415  | 726  | 1038 |
| 70° | 128    | 128   | 513  | 769  | 1026 |
| 75° | 169    | 169   | 508  | 847  | 1186 |
| 80° | 253    | 253   | 758  | 758  | 1010 |
| 85° | 0      | 503   | 1510 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110306 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.5    | 2.3       |
| 10°-20°   | 32.3   | 13.5      |
| 20°-30°   | 70.8   | 29.6      |
| 30°-40°   | 80.7   | 33.8      |
| 40°-50°   | 42.6   | 17.8      |
| 50°-60°   | 5.0    | 2.1       |
| 60°-70°   | 0.9    | 0.4       |
| 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°    | 108.7  | 45.5      |
| 0°-40°    | 189.4  | 79.3      |
| 0°-60°    | 237.0  | 99.2      |
| 0°-90°    | 239.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 239.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 28  | 28  | 28  | 28   | 28   |      |
| 5°  | 127 | 81  | 25  | 10   | 7    | 17   |
| 15° | 424 | 215 | 11  | 2    | 2    | 125  |
| 25° | 611 | 296 | 3   | 1    | 1    | 281  |
| 35° | 645 | 110 | 0   | 1    | 1    | 400  |
| 45° | 356 | 13  | 0   | 1    | 2    | 287  |
| 55° | 13  | 0   | 1   | 2    | 2    | 40   |
| 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°    | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  | 28.3  |
| 2.5°  | 63.0  | 63.0  | 62.8  | 61.0  | 60.8  | 60.6  | 57.4  | 56.6  | 52.7  | 50.1  | 38.2  |
| 5°    | 127.1 | 124.2 | 124.0 | 120.8 | 115.3 | 108.1 | 103.4 | 95.9  | 88.7  | 81.0  | 47.1  |
| 7.5°  | 202.4 | 204.8 | 198.2 | 194.7 | 182.6 | 173.9 | 160.6 | 148.9 | 132.5 | 117.2 | 54.3  |
| 10°   | 288.0 | 283.8 | 277.1 | 270.5 | 257.3 | 241.8 | 222.0 | 201.2 | 177.6 | 154.7 | 58.4  |
| 12.5° | 354.9 | 349.5 | 345.4 | 336.3 | 323.4 | 303.4 | 279.8 | 251.9 | 220.6 | 187.7 | 58.2  |
| 15°   | 424.0 | 418.5 | 409.5 | 401.4 | 382.2 | 359.8 | 334.1 | 297.3 | 259.0 | 215.3 | 53.9  |
| 17.5° | 499.9 | 492.9 | 482.8 | 470.5 | 451.9 | 427.0 | 394.5 | 349.7 | 295.3 | 238.0 | 46.3  |
| 20°   | 564.8 | 560.5 | 550.4 | 535.9 | 517.7 | 493.5 | 455.9 | 406.2 | 340.0 | 262.6 | 36.8  |
| 22.5° | 607.2 | 603.4 | 596.5 | 583.8 | 570.0 | 544.2 | 509.8 | 455.3 | 377.3 | 285.0 | 27.9  |
| 25°   | 610.6 | 609.0 | 607.2 | 603.0 | 594.7 | 576.3 | 542.8 | 484.0 | 400.6 | 295.9 | 20.6  |
| 27.5° | 608.8 | 608.2 | 607.8 | 605.6 | 600.1 | 582.0 | 547.6 | 488.2 | 397.5 | 279.0 | 15.1  |
| 30°   | 634.7 | 632.9 | 631.9 | 624.6 | 610.2 | 582.2 | 537.3 | 465.4 | 353.3 | 228.3 | 10.9  |
| 32.5° | 647.8 | 647.4 | 646.4 | 639.3 | 619.1 | 582.6 | 519.9 | 410.3 | 280.2 | 164.8 | 7.5   |
| 35°   | 645.2 | 643.2 | 639.5 | 626.4 | 598.3 | 552.5 | 463.8 | 327.6 | 202.2 | 110.5 | 4.8   |
| 37.5° | 636.3 | 631.6 | 624.6 | 600.9 | 563.6 | 501.0 | 376.1 | 241.2 | 137.6 | 71.5  | 2.8   |
| 40°   | 603.6 | 597.3 | 586.2 | 557.3 | 508.2 | 412.9 | 278.2 | 163.0 | 90.3  | 41.2  | 0.8   |
| 42.5° | 518.9 | 510.9 | 502.8 | 470.5 | 414.3 | 307.8 | 183.0 | 100.8 | 51.5  | 22.6  | 0.2   |
| 45°   | 355.7 | 345.6 | 334.5 | 311.1 | 266.0 | 186.4 | 108.9 | 56.8  | 26.7  | 12.7  | 0.2   |
| 47.5° | 247.0 | 242.4 | 223.0 | 193.1 | 148.1 | 98.8  | 56.4  | 27.9  | 14.1  | 5.9   | 0.2   |
| 50°   | 167.9 | 162.6 | 140.0 | 111.1 | 78.8  | 47.3  | 25.9  | 13.9  | 6.3   | 1.4   | 0.2   |
| 52.5° | 88.1  | 81.6  | 67.3  | 51.3  | 31.9  | 19.8  | 11.3  | 6.1   | 1.8   | 0.2   | 0.2   |
| 55°   | 12.9  | 11.9  | 9.7   | 7.9   | 7.1   | 5.5   | 3.2   | 1.4   | 0.2   | 0.2   | 0.4   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.6   | 0.6   | 0.4   | 0.2   | 0.2   | 0.2   | 0.4   |
| 60°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 62.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 65°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 67.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.6   |
| 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   | 0.4   | 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° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.6   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 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   | 0.6   |
| 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°    | 28.3 | 28.3   | 28.3 | 28.3   | 28.3 |
| 2.5°  | 27.9 | 20.6   | 16.0 | 13.7   | 13.5 |
| 5°    | 25.2 | 14.7   | 9.7  | 7.5    | 7.1  |
| 7.5°  | 21.4 | 10.3   | 5.7  | 4.0    | 3.8  |
| 10°   | 17.6 | 7.1    | 3.4  | 2.8    | 2.6  |
| 12.5° | 13.9 | 4.6    | 2.4  | 2.2    | 2.0  |
| 15°   | 10.7 | 3.0    | 1.8  | 1.6    | 1.6  |
| 17.5° | 8.1  | 2.0    | 1.4  | 1.4    | 1.4  |
| 20°   | 6.1  | 1.4    | 1.0  | 1.2    | 1.2  |
| 22.5° | 4.2  | 1.0    | 0.8  | 1.0    | 1.0  |
| 25°   | 3.0  | 0.8    | 0.8  | 1.0    | 1.0  |
| 27.5° | 2.0  | 0.6    | 0.6  | 0.8    | 1.0  |
| 30°   | 1.2  | 0.4    | 0.6  | 0.8    | 1.0  |
| 32.5° | 0.6  | 0.4    | 0.6  | 1.0    | 1.0  |
| 35°   | 0.4  | 0.6    | 0.8  | 1.0    | 1.2  |
| 37.5° | 0.2  | 0.6    | 0.8  | 1.2    | 1.2  |
| 40°   | 0.2  | 0.6    | 0.8  | 1.2    | 1.4  |
| 42.5° | 0.4  | 0.8    | 1.0  | 1.4    | 1.6  |
| 45°   | 0.4  | 0.8    | 1.2  | 1.6    | 1.8  |
| 47.5° | 0.4  | 0.8    | 1.4  | 1.8    | 1.8  |
| 50°   | 0.6  | 1.0    | 1.4  | 1.8    | 2.0  |
| 52.5° | 0.6  | 1.0    | 1.4  | 2.0    | 2.2  |
| 55°   | 0.6  | 1.0    | 1.6  | 2.0    | 2.2  |
| 57.5° | 0.6  | 1.2    | 1.6  | 2.0    | 2.2  |
| 60°   | 0.6  | 1.0    | 1.6  | 2.0    | 2.2  |
| 62.5° | 0.8  | 1.0    | 1.4  | 2.0    | 2.0  |
| 65°   | 0.8  | 1.0    | 1.4  | 2.0    | 2.0  |
| 67.5° | 0.8  | 1.0    | 1.4  | 1.8    | 1.8  |
| 70°   | 0.8  | 1.0    | 1.2  | 1.6    | 1.6  |
| 72.5° | 0.8  | 1.0    | 1.2  | 1.4    | 1.6  |
| 75°   | 0.6  | 0.8    | 1.0  | 1.2    | 1.4  |
| 77.5° | 0.6  | 0.8    | 0.8  | 1.2    | 1.2  |
| 80°   | 0.6  | 0.6    | 0.6  | 0.8    | 0.8  |
| 82.5° | 0.6  | 0.6    | 0.4  | 0.6    | 0.6  |
| 85°   | 0.6  | 0.4    | 0.4  | 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)