

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: P1338917

Luminaire Tested: P3A05R409727DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338917  
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: P3A05R409727DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

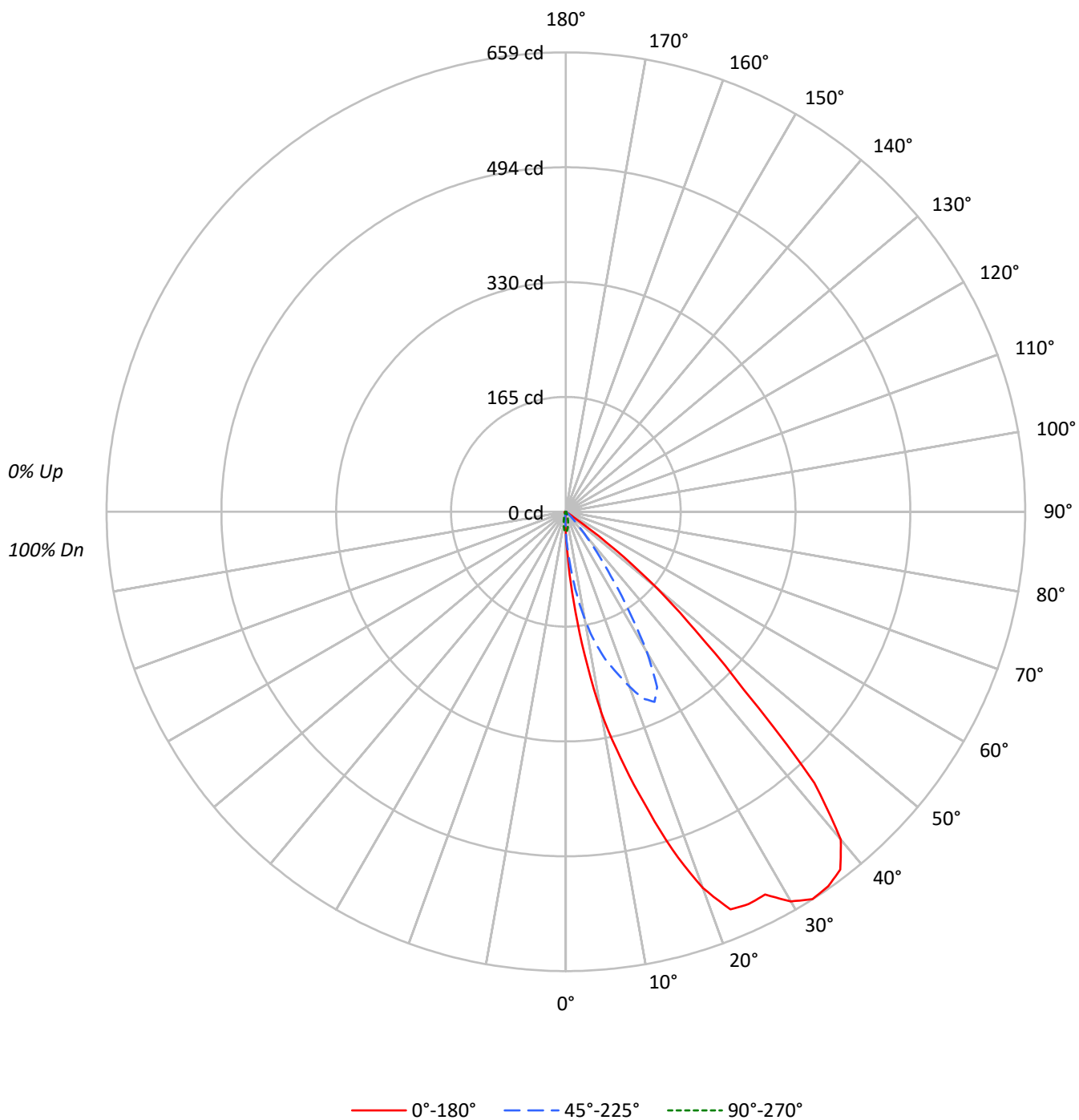
Lumens per Lamp: N/A  
Luminaire Lumens: 242.9 lumens  
Efficiency: N/A  
Efficacy: 33.7 lumens/watt  
Spacing Criteria (0/90/45): 2.52 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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°  | 6315   | 6315  | 6315 | 6315 | 6315 |
| 5°  | 28439  | 18138 | 5657 | 2179 | 1585 |
| 10° | 65218  | 35025 | 3986 | 779  | 601  |
| 15° | 97867  | 49694 | 2474 | 409  | 363  |
| 20° | 133992 | 62305 | 1447 | 233  | 280  |
| 25° | 150226 | 72803 | 750  | 194  | 242  |
| 30° | 163392 | 58769 | 304  | 152  | 253  |
| 35° | 175606 | 30062 | 107  | 214  | 321  |
| 40° | 175672 | 11994 | 57   | 229  | 401  |
| 45° | 112167 | 4000  | 124  | 372  | 558  |
| 50° | 58233  | 478   | 205  | 478  | 716  |
| 55° | 5008   | 76    | 229  | 612  | 879  |
| 60° | 175    | 88    | 263  | 702  | 1009 |
| 65° | 208    | 104   | 415  | 726  | 1090 |
| 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: 112167 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.6    | 2.3       |
| 10°-20°   | 32.9   | 13.5      |
| 20°-30°   | 72.0   | 29.6      |
| 30°-40°   | 82.1   | 33.8      |
| 40°-50°   | 43.3   | 17.8      |
| 50°-60°   | 5.1    | 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°    | 110.5  | 45.5      |
| 0°-40°    | 192.6  | 79.3      |
| 0°-60°    | 241.0  | 99.2      |
| 0°-90°    | 242.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 242.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 29  | 29  | 29  | 29   | 29   |      |
| 5°  | 129 | 82  | 26  | 10   | 7    | 17   |
| 15° | 431 | 219 | 11  | 2    | 2    | 127  |
| 25° | 621 | 301 | 3   | 1    | 1    | 286  |
| 35° | 656 | 112 | 0   | 1    | 1    | 407  |
| 45° | 362 | 13  | 0   | 1    | 2    | 292  |
| 55° | 13  | 0   | 1   | 2    | 2    | 41   |
| 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°    | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  |
| 2.5°  | 64.1  | 64.1  | 63.9  | 62.0  | 61.8  | 61.6  | 58.3  | 57.5  | 53.6  | 50.9  | 38.8  |
| 5°    | 129.2 | 126.3 | 126.1 | 122.8 | 117.3 | 109.9 | 105.2 | 97.6  | 90.2  | 82.4  | 47.9  |
| 7.5°  | 205.8 | 208.3 | 201.5 | 198.0 | 185.7 | 176.8 | 163.3 | 151.4 | 134.7 | 119.1 | 55.2  |
| 10°   | 292.9 | 288.6 | 281.8 | 275.0 | 261.7 | 245.8 | 225.7 | 204.6 | 180.5 | 157.3 | 59.4  |
| 12.5° | 360.9 | 355.3 | 351.2 | 342.0 | 328.8 | 308.5 | 284.5 | 256.1 | 224.3 | 190.8 | 59.1  |
| 15°   | 431.1 | 425.5 | 416.3 | 408.1 | 388.6 | 365.8 | 339.7 | 302.3 | 263.3 | 218.9 | 54.8  |
| 17.5° | 508.3 | 501.1 | 490.9 | 478.3 | 459.4 | 434.2 | 401.1 | 355.5 | 300.3 | 241.9 | 47.0  |
| 20°   | 574.2 | 569.9 | 559.7 | 544.9 | 526.4 | 501.7 | 463.5 | 413.0 | 345.7 | 267.0 | 37.4  |
| 22.5° | 617.4 | 613.5 | 606.5 | 593.5 | 579.6 | 553.3 | 518.4 | 462.9 | 383.6 | 289.8 | 28.3  |
| 25°   | 620.9 | 619.2 | 617.4 | 613.1 | 604.6 | 585.9 | 551.9 | 492.1 | 407.3 | 300.9 | 20.9  |
| 27.5° | 619.0 | 618.4 | 618.0 | 615.7 | 610.2 | 591.7 | 556.8 | 496.4 | 404.2 | 283.6 | 15.4  |
| 30°   | 645.3 | 643.5 | 642.4 | 635.0 | 620.5 | 591.9 | 546.3 | 473.2 | 359.2 | 232.1 | 11.1  |
| 32.5° | 658.7 | 658.2 | 657.2 | 650.0 | 629.5 | 592.3 | 528.6 | 417.1 | 284.9 | 167.6 | 7.6   |
| 35°   | 656.0 | 653.9 | 650.2 | 636.9 | 608.3 | 561.7 | 471.6 | 333.1 | 205.6 | 112.3 | 4.9   |
| 37.5° | 646.9 | 642.2 | 635.0 | 611.0 | 573.0 | 509.3 | 382.4 | 245.2 | 139.9 | 72.7  | 2.9   |
| 40°   | 613.7 | 607.3 | 596.0 | 566.6 | 516.7 | 419.8 | 282.8 | 165.7 | 91.8  | 41.9  | 0.8   |
| 42.5° | 527.6 | 519.4 | 511.2 | 478.3 | 421.2 | 313.0 | 186.1 | 102.5 | 52.4  | 23.0  | 0.2   |
| 45°   | 361.7 | 351.4 | 340.1 | 316.3 | 270.5 | 189.6 | 110.7 | 57.7  | 27.1  | 12.9  | 0.2   |
| 47.5° | 251.2 | 246.5 | 226.7 | 196.3 | 150.5 | 100.4 | 57.3  | 28.3  | 14.4  | 6.0   | 0.2   |
| 50°   | 170.7 | 165.3 | 142.3 | 113.0 | 80.1  | 48.1  | 26.3  | 14.2  | 6.4   | 1.4   | 0.2   |
| 52.5° | 89.5  | 83.0  | 68.4  | 52.2  | 32.4  | 20.1  | 11.5  | 6.2   | 1.8   | 0.2   | 0.2   |
| 55°   | 13.1  | 12.1  | 9.9   | 8.0   | 7.2   | 5.5   | 3.3   | 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°    | 28.8 | 28.8   | 28.8 | 28.8   | 28.8 |
| 2.5°  | 28.3 | 20.9   | 16.2 | 14.0   | 13.8 |
| 5°    | 25.7 | 15.0   | 9.9  | 7.6    | 7.2  |
| 7.5°  | 21.8 | 10.5   | 5.8  | 4.1    | 3.9  |
| 10°   | 17.9 | 7.2    | 3.5  | 2.9    | 2.7  |
| 12.5° | 14.2 | 4.7    | 2.5  | 2.3    | 2.1  |
| 15°   | 10.9 | 3.1    | 1.8  | 1.6    | 1.6  |
| 17.5° | 8.2  | 2.1    | 1.4  | 1.4    | 1.4  |
| 20°   | 6.2  | 1.4    | 1.0  | 1.2    | 1.2  |
| 22.5° | 4.3  | 1.0    | 0.8  | 1.0    | 1.0  |
| 25°   | 3.1  | 0.8    | 0.8  | 1.0    | 1.0  |
| 27.5° | 2.1  | 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    | 2.1  |
| 52.5° | 0.6  | 1.0    | 1.4  | 2.1    | 2.3  |
| 55°   | 0.6  | 1.0    | 1.6  | 2.1    | 2.3  |
| 57.5° | 0.6  | 1.2    | 1.6  | 2.1    | 2.3  |
| 60°   | 0.6  | 1.0    | 1.6  | 2.1    | 2.3  |
| 62.5° | 0.8  | 1.0    | 1.4  | 2.1    | 2.1  |
| 65°   | 0.8  | 1.0    | 1.4  | 2.1    | 2.1  |
| 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)