

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: P1338997

Luminaire Tested: P3A05R409830DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338997  
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: P3A05R409830DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

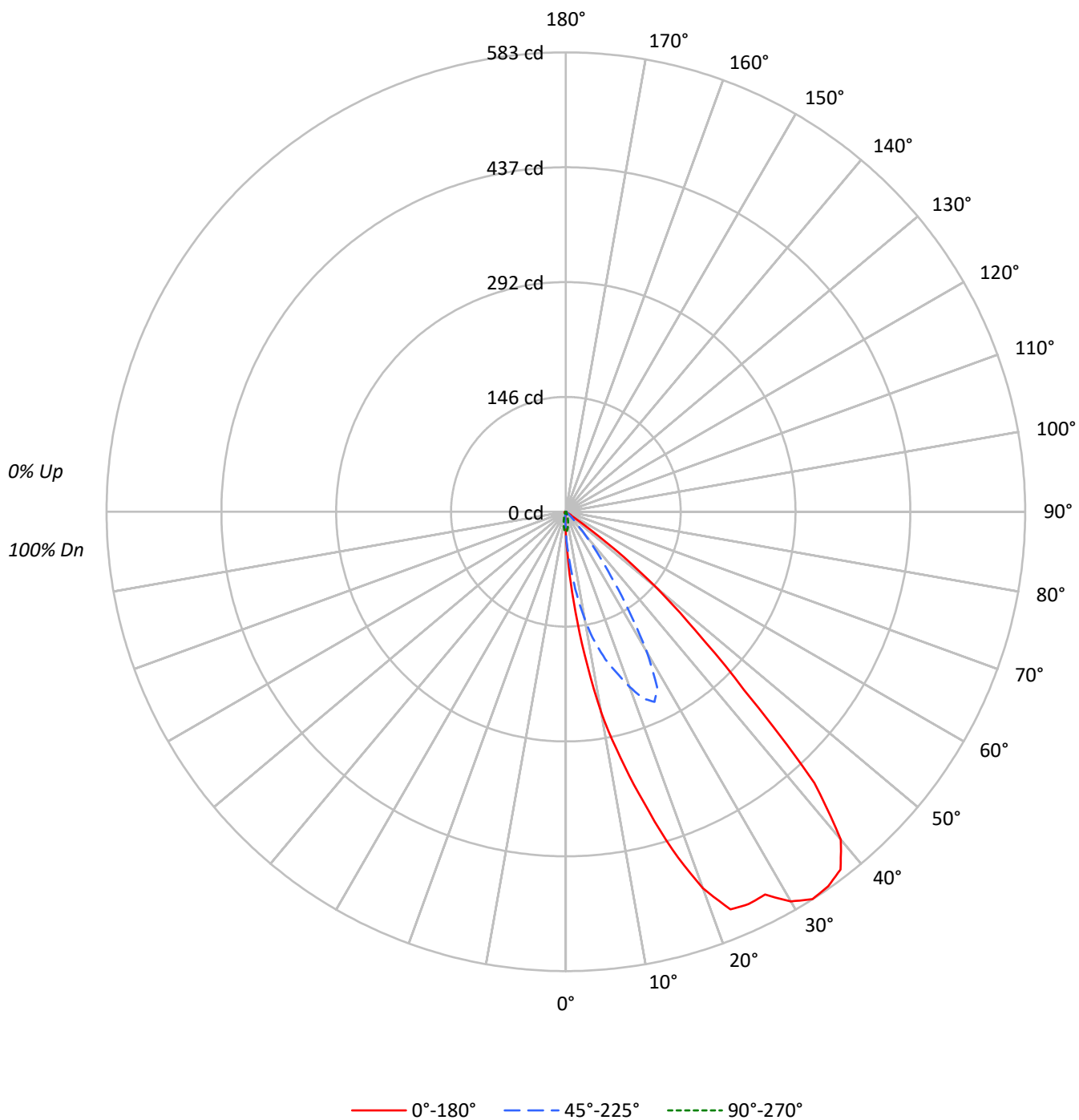
Lumens per Lamp: N/A  
Luminaire Lumens: 215.0 lumens  
Efficiency: N/A  
Efficacy: 29.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1338997

CATALOG NUMBER: P3A05R409830DE010 E3A301LI

### Luminous Intensity Polar Plot



TEST NUMBER: P1338997

CATALOG NUMBER: P3A05R409830DE010 E3A301LI

**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 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 93  | 93  | 91  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 84  | 84  | 82  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 76  | 76  | 74  |
| 4   | 92  | 83  | 77  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 68  | 68  | 67  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 62  | 62  | 60  |
| 6   | 80  | 70  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 56  | 56  | 54  |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 51  | 51  | 51  | 49  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 46  | 46  | 44  |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 42  | 42  | 40  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 38  | 38  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5570   | 5570  | 5570 | 5570 | 5570 |
| 5°  | 25160  | 16047 | 4997 | 1915 | 1409 |
| 10° | 57692  | 30995 | 3518 | 690  | 534  |
| 15° | 86584  | 43973 | 2179 | 363  | 341  |
| 20° | 118567 | 55118 | 1283 | 210  | 257  |
| 25° | 132903 | 64407 | 653  | 169  | 218  |
| 30° | 144554 | 51983 | 279  | 127  | 228  |
| 35° | 155369 | 26609 | 107  | 187  | 294  |
| 40° | 155434 | 10620 | 57   | 200  | 372  |
| 45° | 99235  | 3535  | 124  | 341  | 496  |
| 50° | 51512  | 443   | 171  | 443  | 614  |
| 55° | 4435   | 76    | 191  | 573  | 765  |
| 60° | 175    | 88    | 219  | 658  | 877  |
| 65° | 208    | 104   | 363  | 675  | 934  |
| 70° | 128    | 128   | 449  | 705  | 962  |
| 75° | 169    | 169   | 424  | 763  | 1101 |
| 80° | 253    | 253   | 631  | 631  | 884  |
| 85° | 0      | 503   | 1258 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99235 cd/sqm

TEST NUMBER: P1338997

CATALOG NUMBER: P3A05R409830DE010 E3A301LI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.0    | 2.3       |
| 10°-20°   | 29.1   | 13.5      |
| 20°-30°   | 63.7   | 29.6      |
| 30°-40°   | 72.6   | 33.8      |
| 40°-50°   | 38.3   | 17.8      |
| 50°-60°   | 4.5    | 2.1       |
| 60°-70°   | 0.8    | 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°    | 97.8   | 45.5      |
| 0°-40°    | 170.4  | 79.2      |
| 0°-60°    | 213.2  | 99.2      |
| 0°-90°    | 215.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 215.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 25  | 25  | 25  | 25   | 25   |      |
| 5°  | 114 | 73  | 23  | 9    | 6    | 15   |
| 15° | 381 | 194 | 10  | 2    | 2    | 112  |
| 25° | 549 | 266 | 3   | 1    | 1    | 253  |
| 35° | 580 | 99  | 0   | 1    | 1    | 360  |
| 45° | 320 | 11  | 0   | 1    | 2    | 258  |
| 55° | 12  | 0   | 0   | 2    | 2    | 36   |
| 65° | 0   | 0   | 1   | 1    | 2    | 0    |
| 75° | 0   | 0   | 0   | 1    | 1    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1338997

CATALOG NUMBER: P3A05R409830DE010 E3A301LI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  | 25.4  |
| 2.5°  | 56.7  | 56.7  | 56.5  | 54.9  | 54.7  | 54.5  | 51.6  | 50.9  | 47.4  | 45.1  | 34.3  |
| 5°    | 114.3 | 111.8 | 111.6 | 108.7 | 103.8 | 97.2  | 93.0  | 86.3  | 79.8  | 72.9  | 42.3  |
| 7.5°  | 182.1 | 184.3 | 178.3 | 175.2 | 164.3 | 156.5 | 144.5 | 133.9 | 119.2 | 105.4 | 48.9  |
| 10°   | 259.1 | 255.3 | 249.3 | 243.3 | 231.5 | 217.5 | 199.7 | 181.0 | 159.7 | 139.2 | 52.5  |
| 12.5° | 319.3 | 314.4 | 310.7 | 302.6 | 290.9 | 272.9 | 251.7 | 226.6 | 198.4 | 168.8 | 52.3  |
| 15°   | 381.4 | 376.5 | 368.3 | 361.1 | 343.8 | 323.6 | 300.6 | 267.5 | 233.0 | 193.7 | 48.5  |
| 17.5° | 449.7 | 443.4 | 434.3 | 423.2 | 406.5 | 384.1 | 354.9 | 314.5 | 265.7 | 214.1 | 41.6  |
| 20°   | 508.1 | 504.3 | 495.2 | 482.1 | 465.7 | 443.9 | 410.1 | 365.4 | 305.8 | 236.2 | 33.1  |
| 22.5° | 546.2 | 542.8 | 536.6 | 525.2 | 512.8 | 489.5 | 458.6 | 409.6 | 339.4 | 256.4 | 25.1  |
| 25°   | 549.3 | 547.9 | 546.2 | 542.4 | 535.0 | 518.4 | 488.3 | 435.4 | 360.3 | 266.2 | 18.5  |
| 27.5° | 547.7 | 547.1 | 546.8 | 544.8 | 539.9 | 523.5 | 492.6 | 439.2 | 357.6 | 250.9 | 13.6  |
| 30°   | 570.9 | 569.3 | 568.4 | 561.9 | 549.0 | 523.7 | 483.4 | 418.7 | 317.8 | 205.3 | 9.8   |
| 32.5° | 582.8 | 582.4 | 581.5 | 575.1 | 557.0 | 524.1 | 467.7 | 369.1 | 252.0 | 148.3 | 6.7   |
| 35°   | 580.4 | 578.6 | 575.3 | 563.5 | 538.2 | 497.0 | 417.2 | 294.7 | 181.9 | 99.4  | 4.4   |
| 37.5° | 572.4 | 568.2 | 561.9 | 540.6 | 507.0 | 450.7 | 338.4 | 217.0 | 123.7 | 64.3  | 2.5   |
| 40°   | 543.0 | 537.3 | 527.3 | 501.3 | 457.2 | 371.4 | 250.2 | 146.6 | 81.2  | 37.1  | 0.7   |
| 42.5° | 466.8 | 459.6 | 452.3 | 423.2 | 372.7 | 276.9 | 164.6 | 90.7  | 46.3  | 20.4  | 0.2   |
| 45°   | 320.0 | 310.9 | 300.9 | 279.8 | 239.3 | 167.7 | 97.9  | 51.1  | 24.0  | 11.4  | 0.2   |
| 47.5° | 222.2 | 218.1 | 200.6 | 173.7 | 133.2 | 88.9  | 50.7  | 25.1  | 12.7  | 5.3   | 0.2   |
| 50°   | 151.0 | 146.3 | 125.9 | 99.9  | 70.9  | 42.5  | 23.3  | 12.5  | 5.6   | 1.3   | 0.2   |
| 52.5° | 79.2  | 73.4  | 60.5  | 46.2  | 28.7  | 17.8  | 10.2  | 5.5   | 1.6   | 0.2   | 0.2   |
| 55°   | 11.6  | 10.7  | 8.7   | 7.1   | 6.4   | 4.9   | 2.9   | 1.3   | 0.2   | 0.2   | 0.4   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.5   | 0.5   | 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   | 0.5   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.5   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.5   |
| 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   | 0.5   |
| 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   |

TEST NUMBER: P1338997

CATALOG NUMBER: P3A05R409830DE010 E3A301LI

**CANDELA DISTRIBUTION (continued):**

|       | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0°    | 25.4 | 25.4   | 25.4 | 25.4   | 25.4 |
| 2.5°  | 25.1 | 18.5   | 14.4 | 12.4   | 12.2 |
| 5°    | 22.7 | 13.3   | 8.7  | 6.7    | 6.4  |
| 7.5°  | 19.3 | 9.3    | 5.1  | 3.6    | 3.5  |
| 10°   | 15.8 | 6.4    | 3.1  | 2.5    | 2.4  |
| 12.5° | 12.5 | 4.2    | 2.2  | 2.0    | 1.8  |
| 15°   | 9.6  | 2.7    | 1.6  | 1.5    | 1.5  |
| 17.5° | 7.3  | 1.8    | 1.3  | 1.3    | 1.3  |
| 20°   | 5.5  | 1.3    | 0.9  | 1.1    | 1.1  |
| 22.5° | 3.8  | 0.9    | 0.7  | 0.9    | 0.9  |
| 25°   | 2.7  | 0.7    | 0.7  | 0.9    | 0.9  |
| 27.5° | 1.8  | 0.5    | 0.5  | 0.7    | 0.9  |
| 30°   | 1.1  | 0.4    | 0.5  | 0.7    | 0.9  |
| 32.5° | 0.5  | 0.4    | 0.5  | 0.9    | 0.9  |
| 35°   | 0.4  | 0.5    | 0.7  | 0.9    | 1.1  |
| 37.5° | 0.2  | 0.5    | 0.7  | 1.1    | 1.1  |
| 40°   | 0.2  | 0.5    | 0.7  | 1.1    | 1.3  |
| 42.5° | 0.4  | 0.7    | 0.9  | 1.3    | 1.5  |
| 45°   | 0.4  | 0.7    | 1.1  | 1.5    | 1.6  |
| 47.5° | 0.4  | 0.7    | 1.3  | 1.6    | 1.6  |
| 50°   | 0.5  | 0.9    | 1.3  | 1.6    | 1.8  |
| 52.5° | 0.5  | 0.9    | 1.3  | 1.8    | 2.0  |
| 55°   | 0.5  | 0.9    | 1.5  | 1.8    | 2.0  |
| 57.5° | 0.5  | 1.1    | 1.5  | 1.8    | 2.0  |
| 60°   | 0.5  | 0.9    | 1.5  | 1.8    | 2.0  |
| 62.5° | 0.7  | 0.9    | 1.3  | 1.8    | 1.8  |
| 65°   | 0.7  | 0.9    | 1.3  | 1.8    | 1.8  |
| 67.5° | 0.7  | 0.9    | 1.3  | 1.6    | 1.6  |
| 70°   | 0.7  | 0.9    | 1.1  | 1.5    | 1.5  |
| 72.5° | 0.7  | 0.9    | 1.1  | 1.3    | 1.5  |
| 75°   | 0.5  | 0.7    | 0.9  | 1.1    | 1.3  |
| 77.5° | 0.5  | 0.7    | 0.7  | 1.1    | 1.1  |
| 80°   | 0.5  | 0.5    | 0.5  | 0.7    | 0.7  |
| 82.5° | 0.5  | 0.5    | 0.4  | 0.5    | 0.5  |
| 85°   | 0.5  | 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)