

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: P1338047

Luminaire Tested: P3A05R30B2750DE010 E3A301LI\_3500K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338047  
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: P3A05R30B2750DE010 E3A301LI\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

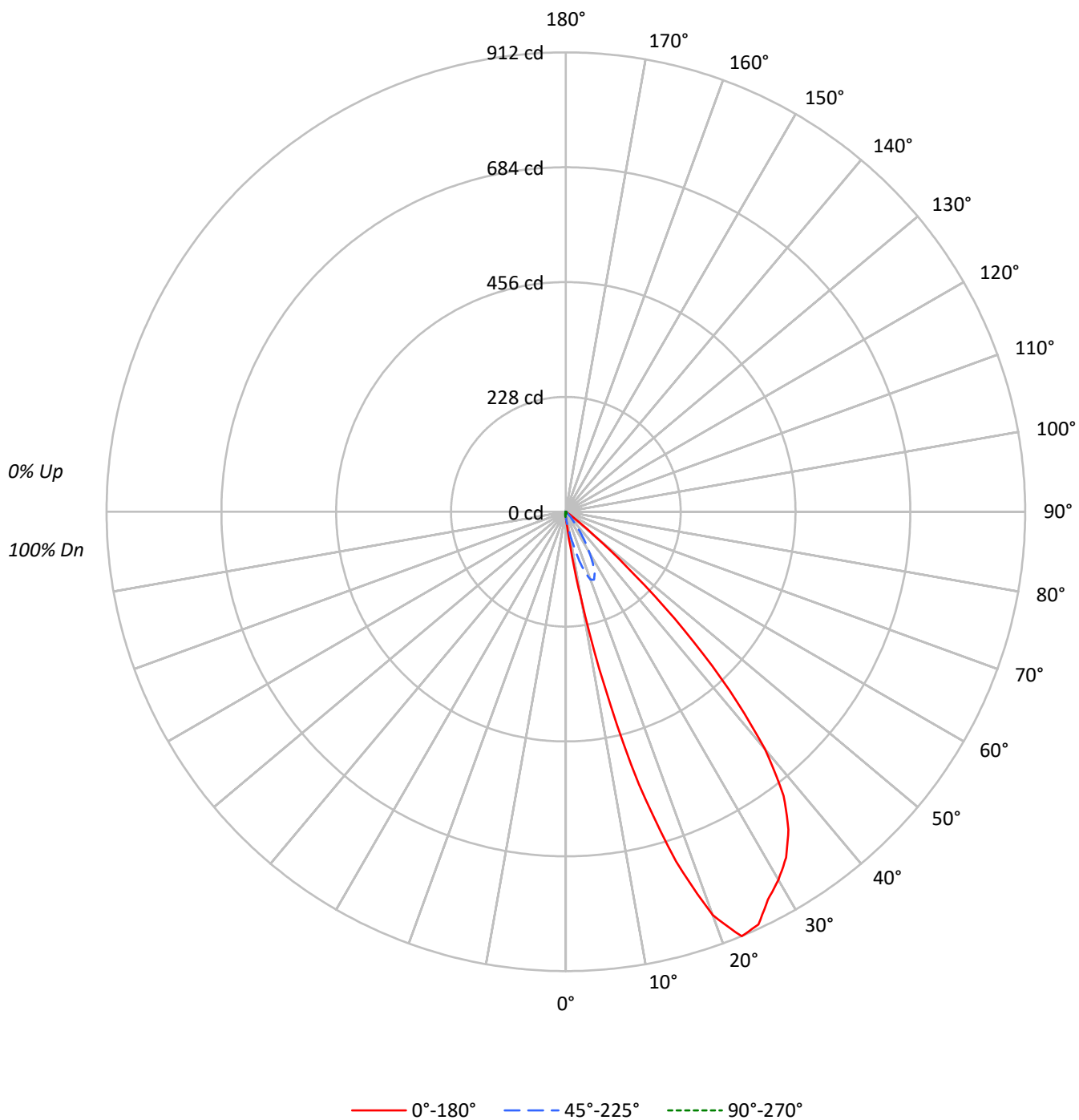
Lumens per Lamp: N/A  
Luminaire Lumens: 215.0 lumens  
Efficiency: N/A  
Efficacy: 36.4 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 43  | 43  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2237   | 2237  | 2237 | 2237 | 2237 |
| 5°  | 6736   | 4490  | 2113 | 947  | 770  |
| 10° | 39055  | 9530  | 1670 | 445  | 312  |
| 15° | 127061 | 21635 | 1158 | 91   | 45   |
| 20° | 198841 | 33463 | 723  | 0    | 0    |
| 25° | 218747 | 32712 | 387  | 0    | 0    |
| 30° | 213653 | 23573 | 152  | 0    | 0    |
| 35° | 206203 | 13411 | 54   | 0    | 0    |
| 40° | 175844 | 5668  | 0    | 0    | 0    |
| 45° | 103205 | 2140  | 62   | 0    | 62   |
| 50° | 25074  | 409   | 68   | 68   | 205  |
| 55° | 2179   | 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: 103205 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.9    | 0.9       |
| 10°-20°   | 29.6   | 13.7      |
| 20°-30°   | 75.1   | 34.9      |
| 30°-40°   | 74.8   | 34.8      |
| 40°-50°   | 30.3   | 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°    | 106.5  | 49.5      |
| 0°-40°    | 181.4  | 84.3      |
| 0°-60°    | 213.8  | 99.4      |
| 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°  | 10  | 10  | 10  | 10   | 10   |      |
| 5°  | 31  | 20  | 10  | 4    | 4    | 7    |
| 15° | 560 | 95  | 5   | 0    | 0    | 163  |
| 25° | 904 | 135 | 2   | 0    | 0    | 408  |
| 35° | 770 | 50  | 0   | 0    | 0    | 472  |
| 45° | 333 | 7   | 0   | 0    | 0    | 254  |
| 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°    | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  |
| 2.5°  | 16.9  | 17.1  | 17.1  | 16.7  | 16.5  | 16.5  | 15.9  | 15.7  | 15.1  | 14.5  | 12.6  |
| 5°    | 30.6  | 30.1  | 29.3  | 29.3  | 27.5  | 26.5  | 25.1  | 23.6  | 22.4  | 20.4  | 14.5  |
| 7.5°  | 69.5  | 64.8  | 63.5  | 61.7  | 55.0  | 49.7  | 43.6  | 38.3  | 33.4  | 29.3  | 16.1  |
| 10°   | 175.4 | 166.2 | 158.5 | 143.0 | 123.6 | 104.9 | 87.6  | 67.6  | 53.8  | 42.8  | 17.3  |
| 12.5° | 353.4 | 341.1 | 326.3 | 298.0 | 261.7 | 215.1 | 173.9 | 129.9 | 91.2  | 63.1  | 17.7  |
| 15°   | 559.7 | 538.7 | 515.7 | 479.8 | 420.2 | 353.4 | 279.0 | 208.8 | 146.4 | 95.3  | 17.3  |
| 17.5° | 727.9 | 719.6 | 685.6 | 636.5 | 563.6 | 477.6 | 385.8 | 290.0 | 197.4 | 124.8 | 16.1  |
| 20°   | 852.1 | 846.4 | 805.3 | 753.0 | 670.9 | 572.3 | 455.8 | 340.7 | 233.0 | 143.4 | 14.3  |
| 22.5° | 912.0 | 911.0 | 881.3 | 827.9 | 740.9 | 629.1 | 500.8 | 369.9 | 244.0 | 146.0 | 12.0  |
| 25°   | 904.1 | 907.6 | 890.8 | 851.1 | 767.6 | 652.4 | 514.1 | 369.9 | 235.9 | 135.2 | 10.0  |
| 27.5° | 868.4 | 870.7 | 860.1 | 829.7 | 751.9 | 635.6 | 495.5 | 346.2 | 212.6 | 116.1 | 8.3   |
| 30°   | 843.8 | 844.8 | 831.6 | 799.0 | 716.5 | 597.0 | 451.5 | 302.2 | 177.2 | 93.1  | 6.1   |
| 32.5° | 813.9 | 813.7 | 798.4 | 761.1 | 670.1 | 543.0 | 395.7 | 249.7 | 136.1 | 70.7  | 3.5   |
| 35°   | 770.3 | 765.4 | 744.6 | 701.6 | 601.0 | 470.3 | 324.4 | 190.2 | 98.0  | 50.1  | 2.2   |
| 37.5° | 710.4 | 697.6 | 668.2 | 610.6 | 503.9 | 368.8 | 240.5 | 133.6 | 67.0  | 33.2  | 1.4   |
| 40°   | 614.3 | 600.8 | 560.7 | 490.8 | 381.1 | 265.4 | 162.1 | 87.0  | 42.2  | 19.8  | 0.8   |
| 42.5° | 481.7 | 472.5 | 418.5 | 348.7 | 251.7 | 169.3 | 97.4  | 51.5  | 23.8  | 11.4  | 0.2   |
| 45°   | 332.8 | 320.8 | 278.4 | 219.3 | 151.1 | 93.9  | 54.6  | 26.9  | 13.6  | 6.9   | 0.0   |
| 47.5° | 183.7 | 169.0 | 144.4 | 113.6 | 76.0  | 49.3  | 27.5  | 14.5  | 7.7   | 3.3   | 0.0   |
| 50°   | 73.5  | 72.9  | 58.0  | 41.3  | 29.1  | 22.4  | 13.8  | 7.9   | 3.9   | 1.2   | 0.2   |
| 52.5° | 25.7  | 25.7  | 22.2  | 18.1  | 14.1  | 10.2  | 6.9   | 3.7   | 1.4   | 0.4   | 0.2   |
| 55°   | 5.7   | 6.3   | 5.9   | 5.5   | 5.3   | 4.5   | 2.9   | 1.4   | 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°    | 10.2 | 10.2   | 10.2 | 10.2   | 10.2 |
| 2.5°  | 10.2 | 8.1    | 6.7  | 5.9    | 5.7  |
| 5°    | 9.6  | 6.1    | 4.3  | 3.7    | 3.5  |
| 7.5°  | 8.6  | 4.5    | 2.9  | 2.4    | 2.2  |
| 10°   | 7.5  | 3.3    | 2.0  | 1.4    | 1.4  |
| 12.5° | 6.3  | 2.6    | 1.2  | 0.6    | 0.4  |
| 15°   | 5.1  | 1.6    | 0.4  | 0.2    | 0.2  |
| 17.5° | 3.9  | 1.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 3.1  | 0.4    | 0.0  | 0.0    | 0.0  |
| 22.5° | 2.4  | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 1.6  | 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)