

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: P1338965

Luminaire Tested: P3A05R409740DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338965  
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: P3A05R409740DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

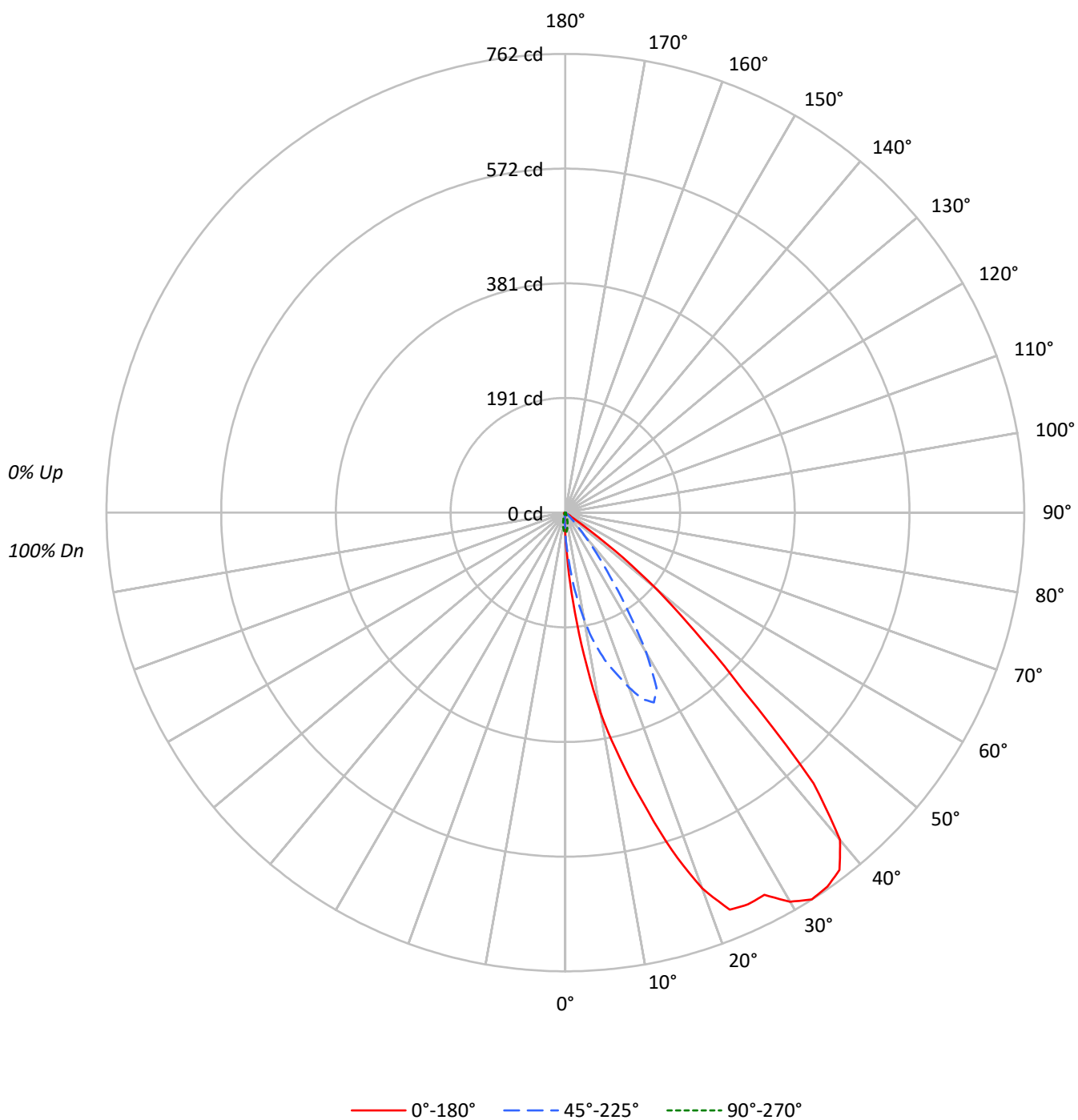
Lumens per Lamp: N/A  
Luminaire Lumens: 281.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 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  | 63  | 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  | 52  | 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°  | 7280   | 7280  | 7280 | 7280 | 7280 |
| 5°  | 32886  | 20955 | 6538 | 2509 | 1827 |
| 10° | 75416  | 40502 | 4609 | 891  | 690  |
| 15° | 113168 | 57480 | 2860 | 477  | 431  |
| 20° | 154947 | 72036 | 1657 | 280  | 327  |
| 25° | 173720 | 84174 | 871  | 218  | 290  |
| 30° | 188940 | 67960 | 354  | 177  | 304  |
| 35° | 203071 | 34773 | 134  | 241  | 375  |
| 40° | 203123 | 13855 | 57   | 258  | 487  |
| 45° | 129688 | 4652  | 155  | 434  | 651  |
| 50° | 67341  | 580   | 239  | 580  | 819  |
| 55° | 5811   | 76    | 268  | 726  | 994  |
| 60° | 219    | 88    | 307  | 833  | 1140 |
| 65° | 259    | 104   | 467  | 882  | 1245 |
| 70° | 128    | 128   | 577  | 898  | 1218 |
| 75° | 169    | 169   | 593  | 1017 | 1440 |
| 80° | 253    | 253   | 884  | 884  | 1137 |
| 85° | 0      | 503   | 1761 | 1258 | 1258 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 129688 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.5    | 2.3       |
| 10°-20°   | 38.0   | 13.5      |
| 20°-30°   | 83.3   | 29.6      |
| 30°-40°   | 94.9   | 33.8      |
| 40°-50°   | 50.1   | 17.8      |
| 50°-60°   | 5.9    | 2.1       |
| 60°-70°   | 1.1    | 0.4       |
| 70°-80°   | 0.9    | 0.3       |
| 80°-90°   | 0.4    | 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°    | 127.8  | 45.5      |
| 0°-40°    | 222.7  | 79.3      |
| 0°-60°    | 278.7  | 99.2      |
| 0°-90°    | 281.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 281.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 33  | 33  | 33  | 33   | 33   |      |
| 5°  | 149 | 95  | 30  | 11   | 8    | 20   |
| 15° | 498 | 253 | 13  | 2    | 2    | 147  |
| 25° | 718 | 348 | 4   | 1    | 1    | 331  |
| 35° | 759 | 130 | 0   | 1    | 1    | 470  |
| 45° | 418 | 15  | 0   | 1    | 2    | 337  |
| 55° | 15  | 0   | 1   | 2    | 3    | 47   |
| 65° | 0   | 0   | 1   | 2    | 2    | 0    |
| 75° | 0   | 0   | 1   | 1    | 2    | 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°    | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  |
| 2.5°  | 74.1  | 74.1  | 73.9  | 71.7  | 71.5  | 71.2  | 67.4  | 66.5  | 62.0  | 58.9  | 44.9  |
| 5°    | 149.4 | 146.1 | 145.8 | 142.0 | 135.6 | 127.1 | 121.6 | 112.8 | 104.3 | 95.2  | 55.3  |
| 7.5°  | 238.0 | 240.8 | 233.0 | 228.9 | 214.7 | 204.5 | 188.8 | 175.0 | 155.8 | 137.7 | 63.9  |
| 10°   | 338.7 | 333.7 | 325.8 | 318.0 | 302.6 | 284.3 | 261.0 | 236.5 | 208.8 | 181.9 | 68.6  |
| 12.5° | 417.3 | 410.9 | 406.1 | 395.4 | 380.2 | 356.7 | 328.9 | 296.2 | 259.3 | 220.6 | 68.4  |
| 15°   | 498.5 | 492.1 | 481.4 | 471.9 | 449.3 | 423.0 | 392.8 | 349.6 | 304.5 | 253.2 | 63.4  |
| 17.5° | 587.8 | 579.5 | 567.6 | 553.1 | 531.3 | 502.1 | 463.8 | 411.1 | 347.2 | 279.8 | 54.4  |
| 20°   | 664.0 | 659.1 | 647.2 | 630.1 | 608.7 | 580.2 | 536.0 | 477.6 | 399.7 | 308.7 | 43.2  |
| 22.5° | 713.9 | 709.4 | 701.3 | 686.4 | 670.2 | 639.8 | 599.4 | 535.3 | 443.6 | 335.1 | 32.8  |
| 25°   | 718.0 | 716.1 | 713.9 | 708.9 | 699.2 | 677.6 | 638.2 | 569.0 | 471.0 | 347.9 | 24.2  |
| 27.5° | 715.8 | 715.1 | 714.6 | 712.0 | 705.6 | 684.2 | 643.9 | 574.0 | 467.4 | 328.0 | 17.8  |
| 30°   | 746.2 | 744.1 | 742.9 | 734.3 | 717.5 | 684.5 | 631.7 | 547.2 | 415.4 | 268.4 | 12.8  |
| 32.5° | 761.7 | 761.2 | 760.0 | 751.7 | 727.9 | 684.9 | 611.3 | 482.4 | 329.4 | 193.8 | 8.8   |
| 35°   | 758.6 | 756.2 | 751.9 | 736.5 | 703.5 | 649.6 | 545.3 | 385.2 | 237.7 | 129.9 | 5.7   |
| 37.5° | 748.1 | 742.7 | 734.3 | 706.6 | 662.6 | 589.0 | 442.2 | 283.6 | 161.7 | 84.1  | 3.3   |
| 40°   | 709.6 | 702.3 | 689.2 | 655.3 | 597.5 | 485.4 | 327.0 | 191.7 | 106.2 | 48.4  | 0.9   |
| 42.5° | 610.1 | 600.6 | 591.1 | 553.1 | 487.1 | 361.9 | 215.2 | 118.5 | 60.6  | 26.6  | 0.2   |
| 45°   | 418.2 | 406.4 | 393.3 | 365.7 | 312.8 | 219.2 | 128.0 | 66.7  | 31.3  | 15.0  | 0.2   |
| 47.5° | 290.5 | 285.0 | 262.2 | 227.0 | 174.1 | 116.1 | 66.3  | 32.8  | 16.6  | 6.9   | 0.2   |
| 50°   | 197.4 | 191.2 | 164.6 | 130.6 | 92.6  | 55.6  | 30.4  | 16.4  | 7.4   | 1.7   | 0.2   |
| 52.5° | 103.5 | 95.9  | 79.1  | 60.3  | 37.5  | 23.3  | 13.3  | 7.1   | 2.1   | 0.2   | 0.2   |
| 55°   | 15.2  | 14.0  | 11.4  | 9.3   | 8.3   | 6.4   | 3.8   | 1.7   | 0.2   | 0.2   | 0.5   |
| 57.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.7   | 0.7   | 0.5   | 0.2   | 0.2   | 0.2   | 0.5   |
| 60°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 62.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 65°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 67.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 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°    | 33.2 | 33.2   | 33.2 | 33.2   | 33.2 |
| 2.5°  | 32.8 | 24.2   | 18.8 | 16.1   | 15.9 |
| 5°    | 29.7 | 17.3   | 11.4 | 8.8    | 8.3  |
| 7.5°  | 25.2 | 12.1   | 6.6  | 4.7    | 4.5  |
| 10°   | 20.7 | 8.3    | 4.0  | 3.3    | 3.1  |
| 12.5° | 16.4 | 5.5    | 2.8  | 2.6    | 2.4  |
| 15°   | 12.6 | 3.6    | 2.1  | 1.9    | 1.9  |
| 17.5° | 9.5  | 2.4    | 1.7  | 1.7    | 1.7  |
| 20°   | 7.1  | 1.7    | 1.2  | 1.4    | 1.4  |
| 22.5° | 5.0  | 1.2    | 0.9  | 1.2    | 1.2  |
| 25°   | 3.6  | 0.9    | 0.9  | 1.2    | 1.2  |
| 27.5° | 2.4  | 0.7    | 0.7  | 0.9    | 1.2  |
| 30°   | 1.4  | 0.5    | 0.7  | 0.9    | 1.2  |
| 32.5° | 0.7  | 0.5    | 0.7  | 1.2    | 1.2  |
| 35°   | 0.5  | 0.7    | 0.9  | 1.2    | 1.4  |
| 37.5° | 0.2  | 0.7    | 0.9  | 1.4    | 1.4  |
| 40°   | 0.2  | 0.7    | 0.9  | 1.4    | 1.7  |
| 42.5° | 0.5  | 0.9    | 1.2  | 1.7    | 1.9  |
| 45°   | 0.5  | 0.9    | 1.4  | 1.9    | 2.1  |
| 47.5° | 0.5  | 0.9    | 1.7  | 2.1    | 2.1  |
| 50°   | 0.7  | 1.2    | 1.7  | 2.1    | 2.4  |
| 52.5° | 0.7  | 1.2    | 1.7  | 2.4    | 2.6  |
| 55°   | 0.7  | 1.2    | 1.9  | 2.4    | 2.6  |
| 57.5° | 0.7  | 1.4    | 1.9  | 2.4    | 2.6  |
| 60°   | 0.7  | 1.2    | 1.9  | 2.4    | 2.6  |
| 62.5° | 0.9  | 1.2    | 1.7  | 2.4    | 2.4  |
| 65°   | 0.9  | 1.2    | 1.7  | 2.4    | 2.4  |
| 67.5° | 0.9  | 1.2    | 1.7  | 2.1    | 2.1  |
| 70°   | 0.9  | 1.2    | 1.4  | 1.9    | 1.9  |
| 72.5° | 0.9  | 1.2    | 1.4  | 1.7    | 1.9  |
| 75°   | 0.7  | 0.9    | 1.2  | 1.4    | 1.7  |
| 77.5° | 0.7  | 0.9    | 0.9  | 1.4    | 1.4  |
| 80°   | 0.7  | 0.7    | 0.7  | 0.9    | 0.9  |
| 82.5° | 0.7  | 0.7    | 0.5  | 0.7    | 0.7  |
| 85°   | 0.7  | 0.5    | 0.5  | 0.5    | 0.5  |
| 87.5° | 0.5  | 0.5    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)