

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: P1345210

Luminaire Tested: P3A13R30W2N902750DE010 E3A301GPH\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345210  
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: P3A13R30W2N902750DE010 E3A301GPH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,  
E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

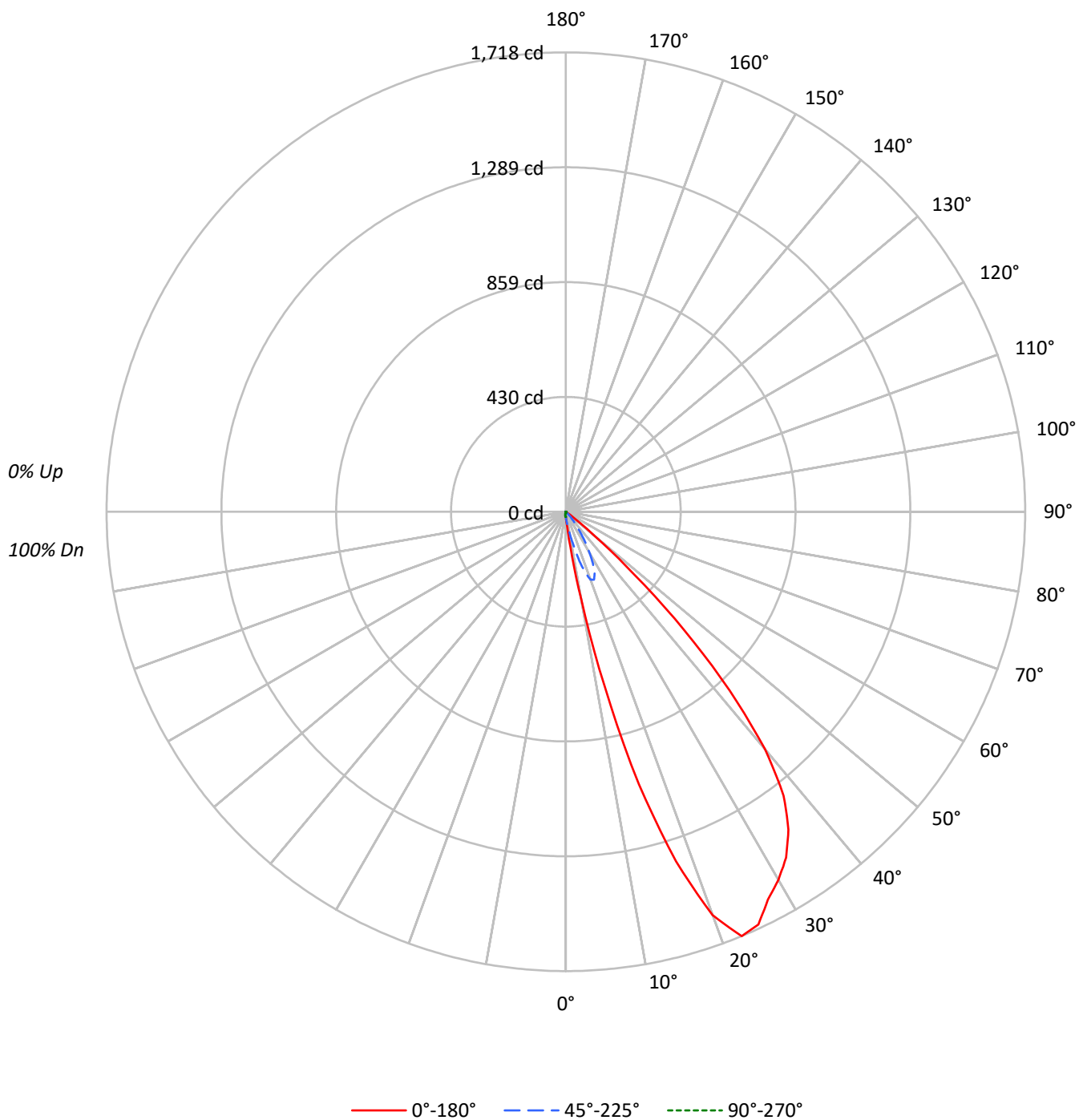
Lumens per Lamp: N/A  
Luminaire Lumens: 405.0 lumens  
Efficiency: N/A  
Efficacy: 32.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |
| 9   | 67  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 41  |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 4210   | 4210  | 4210 | 4210 | 4210 |
| 5°  | 12701  | 8475  | 3984 | 1783 | 1475 |
| 10° | 73590  | 17969 | 3140 | 824  | 579  |
| 15° | 239366 | 40749 | 2179 | 159  | 91   |
| 20° | 374533 | 63052 | 1377 | 0    | 0    |
| 25° | 412064 | 61600 | 726  | 0    | 0    |
| 30° | 402467 | 44412 | 279  | 0    | 0    |
| 35° | 388448 | 25270 | 107  | 0    | 0    |
| 40° | 331249 | 10706 | 0    | 0    | 0    |
| 45° | 194408 | 4031  | 124  | 0    | 124  |
| 50° | 47214  | 751   | 136  | 136  | 375  |
| 55° | 4091   | 0     | 268  | 421  | 573  |
| 60° | 175    | 0     | 307  | 482  | 833  |
| 65° | 208    | 208   | 571  | 571  | 986  |
| 70° | 256    | 256   | 705  | 705  | 962  |
| 75° | 0      | 339   | 932  | 932  | 932  |
| 80° | 0      | 505   | 1389 | 884  | 884  |
| 85° | 0      | 1006  | 2768 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 194408 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.5    | 0.9       |
| 10°-20°   | 55.7   | 13.7      |
| 20°-30°   | 141.5  | 34.9      |
| 30°-40°   | 141.0  | 34.8      |
| 40°-50°   | 57.1   | 14.1      |
| 50°-60°   | 3.9    | 1.0       |
| 60°-70°   | 0.9    | 0.2       |
| 70°-80°   | 0.9    | 0.2       |
| 80°-90°   | 0.5    | 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°    | 200.7  | 49.5      |
| 0°-40°    | 341.6  | 84.4      |
| 0°-60°    | 402.7  | 99.4      |
| 0°-90°    | 405.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 405.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 19   | 19  | 19  | 19   | 19   |      |
| 5°  | 58   | 38  | 18  | 8    | 7    | 13   |
| 15° | 1054 | 180 | 10  | 1    | 0    | 307  |
| 25° | 1703 | 255 | 3   | 0    | 0    | 769  |
| 35° | 1451 | 94  | 0   | 0    | 0    | 889  |
| 45° | 627  | 13  | 0   | 0    | 0    | 478  |
| 55° | 11   | 0   | 1   | 1    | 2    | 28   |
| 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°    | 19.2   | 19.2   | 19.2   | 19.2   | 19.2   | 19.2   | 19.2  | 19.2  | 19.2  | 19.2  | 19.2  |
| 2.5°  | 31.8   | 32.2   | 32.2   | 31.5   | 31.1   | 31.1   | 30.0  | 29.6  | 28.5  | 27.4  | 23.7  |
| 5°    | 57.7   | 56.6   | 55.1   | 55.1   | 51.8   | 50.0   | 47.4  | 44.4  | 42.2  | 38.5  | 27.4  |
| 7.5°  | 131.0  | 122.1  | 119.5  | 116.2  | 103.6  | 93.6   | 82.2  | 72.2  | 62.9  | 55.1  | 30.3  |
| 10°   | 330.5  | 313.1  | 298.7  | 269.4  | 232.8  | 197.6  | 165.1 | 127.3 | 101.4 | 80.7  | 32.6  |
| 12.5° | 665.8  | 642.5  | 614.7  | 561.4  | 492.9  | 405.2  | 327.5 | 244.6 | 171.7 | 118.8 | 33.3  |
| 15°   | 1054.4 | 1014.8 | 971.5  | 903.7  | 791.6  | 665.8  | 525.5 | 393.4 | 275.7 | 179.5 | 32.6  |
| 17.5° | 1371.1 | 1355.6 | 1291.6 | 1199.1 | 1061.8 | 899.7  | 726.8 | 546.2 | 371.9 | 235.0 | 30.3  |
| 20°   | 1605.0 | 1594.3 | 1516.9 | 1418.5 | 1263.8 | 1078.0 | 858.6 | 641.7 | 438.9 | 270.2 | 27.0  |
| 22.5° | 1717.9 | 1716.0 | 1660.2 | 1559.5 | 1395.6 | 1185.0 | 943.3 | 696.9 | 459.6 | 275.0 | 22.6  |
| 25°   | 1703.1 | 1709.8 | 1677.9 | 1603.2 | 1445.9 | 1229.0 | 968.5 | 696.9 | 444.5 | 254.6 | 18.9  |
| 27.5° | 1635.7 | 1640.2 | 1620.2 | 1562.8 | 1416.3 | 1197.2 | 933.3 | 652.1 | 400.4 | 218.7 | 15.5  |
| 30°   | 1589.5 | 1591.3 | 1566.5 | 1505.1 | 1349.7 | 1124.7 | 850.4 | 569.2 | 333.8 | 175.4 | 11.5  |
| 32.5° | 1533.2 | 1532.9 | 1504.0 | 1433.7 | 1262.3 | 1022.9 | 745.3 | 470.4 | 256.5 | 133.2 | 6.7   |
| 35°   | 1451.1 | 1441.8 | 1402.6 | 1321.5 | 1132.1 | 886.0  | 611.0 | 358.2 | 184.7 | 94.4  | 4.1   |
| 37.5° | 1338.2 | 1314.1 | 1258.6 | 1150.2 | 949.2  | 694.6  | 453.0 | 251.7 | 126.2 | 62.5  | 2.6   |
| 40°   | 1157.2 | 1131.7 | 1056.2 | 924.5  | 717.9  | 500.0  | 305.3 | 163.9 | 79.6  | 37.4  | 1.5   |
| 42.5° | 907.4  | 890.0  | 788.3  | 656.9  | 474.1  | 319.0  | 183.6 | 97.0  | 44.8  | 21.5  | 0.4   |
| 45°   | 626.9  | 604.3  | 524.4  | 413.0  | 284.6  | 176.9  | 102.9 | 50.7  | 25.5  | 13.0  | 0.0   |
| 47.5° | 346.0  | 318.3  | 272.0  | 213.9  | 143.2  | 92.9   | 51.8  | 27.4  | 14.4  | 6.3   | 0.0   |
| 50°   | 138.4  | 137.3  | 109.2  | 77.7   | 54.8   | 42.2   | 25.9  | 14.8  | 7.4   | 2.2   | 0.4   |
| 52.5° | 48.5   | 48.5   | 41.8   | 34.0   | 26.6   | 19.2   | 13.0  | 7.0   | 2.6   | 0.7   | 0.4   |
| 55°   | 10.7   | 11.8   | 11.1   | 10.4   | 10.0   | 8.5    | 5.6   | 2.6   | 0.7   | 0.0   | 0.4   |
| 57.5° | 1.1    | 1.1    | 1.1    | 1.5    | 1.9    | 1.9    | 1.5   | 0.7   | 0.0   | 0.0   | 0.4   |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.0   | 0.0   | 0.0   | 0.7   |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0   | 0.0   | 0.4   | 0.4   | 0.7   |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 75°   | 0.0    | 0.0    | 0.4    | 0.4    | 0.0    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.4   | 0.4   | 0.4   | 0.7   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.4   | 0.4   | 0.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.4   | 0.4   | 0.7   |
| 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°    | 19.2 | 19.2   | 19.2 | 19.2   | 19.2 |
| 2.5°  | 19.2 | 15.2   | 12.6 | 11.1   | 10.7 |
| 5°    | 18.1 | 11.5   | 8.1  | 7.0    | 6.7  |
| 7.5°  | 16.3 | 8.5    | 5.6  | 4.4    | 4.1  |
| 10°   | 14.1 | 6.3    | 3.7  | 2.6    | 2.6  |
| 12.5° | 11.8 | 4.8    | 2.2  | 1.1    | 0.7  |
| 15°   | 9.6  | 3.0    | 0.7  | 0.4    | 0.4  |
| 17.5° | 7.4  | 1.9    | 0.0  | 0.0    | 0.0  |
| 20°   | 5.9  | 0.7    | 0.0  | 0.0    | 0.0  |
| 22.5° | 4.4  | 0.4    | 0.0  | 0.0    | 0.0  |
| 25°   | 3.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 1.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.4  | 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°   | 0.4  | 0.0    | 0.0  | 0.4    | 0.4  |
| 47.5° | 0.4  | 0.4    | 0.4  | 0.7    | 0.7  |
| 50°   | 0.4  | 0.4    | 0.4  | 0.7    | 1.1  |
| 52.5° | 0.7  | 0.4    | 0.7  | 1.1    | 1.1  |
| 55°   | 0.7  | 0.7    | 1.1  | 1.5    | 1.5  |
| 57.5° | 0.7  | 0.7    | 1.1  | 1.5    | 1.5  |
| 60°   | 0.7  | 0.7    | 1.1  | 1.5    | 1.9  |
| 62.5° | 1.1  | 1.1    | 1.1  | 1.5    | 1.5  |
| 65°   | 1.1  | 1.1    | 1.1  | 1.5    | 1.9  |
| 67.5° | 1.1  | 1.1    | 1.1  | 1.5    | 1.9  |
| 70°   | 1.1  | 1.1    | 1.1  | 1.5    | 1.5  |
| 72.5° | 1.5  | 1.1    | 1.1  | 1.5    | 1.5  |
| 75°   | 1.1  | 1.1    | 1.1  | 1.1    | 1.1  |
| 77.5° | 1.1  | 1.1    | 0.7  | 1.1    | 1.1  |
| 80°   | 1.1  | 0.7    | 0.7  | 0.7    | 0.7  |
| 82.5° | 1.1  | 0.7    | 0.7  | 0.7    | 0.7  |
| 85°   | 1.1  | 0.7    | 0.4  | 0.4    | 0.4  |
| 87.5° | 1.1  | 0.7    | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)