

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: P1345560

Luminaire Tested: P3A13R359827DE010 E3A301H

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R359827DE010 E3A301H  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

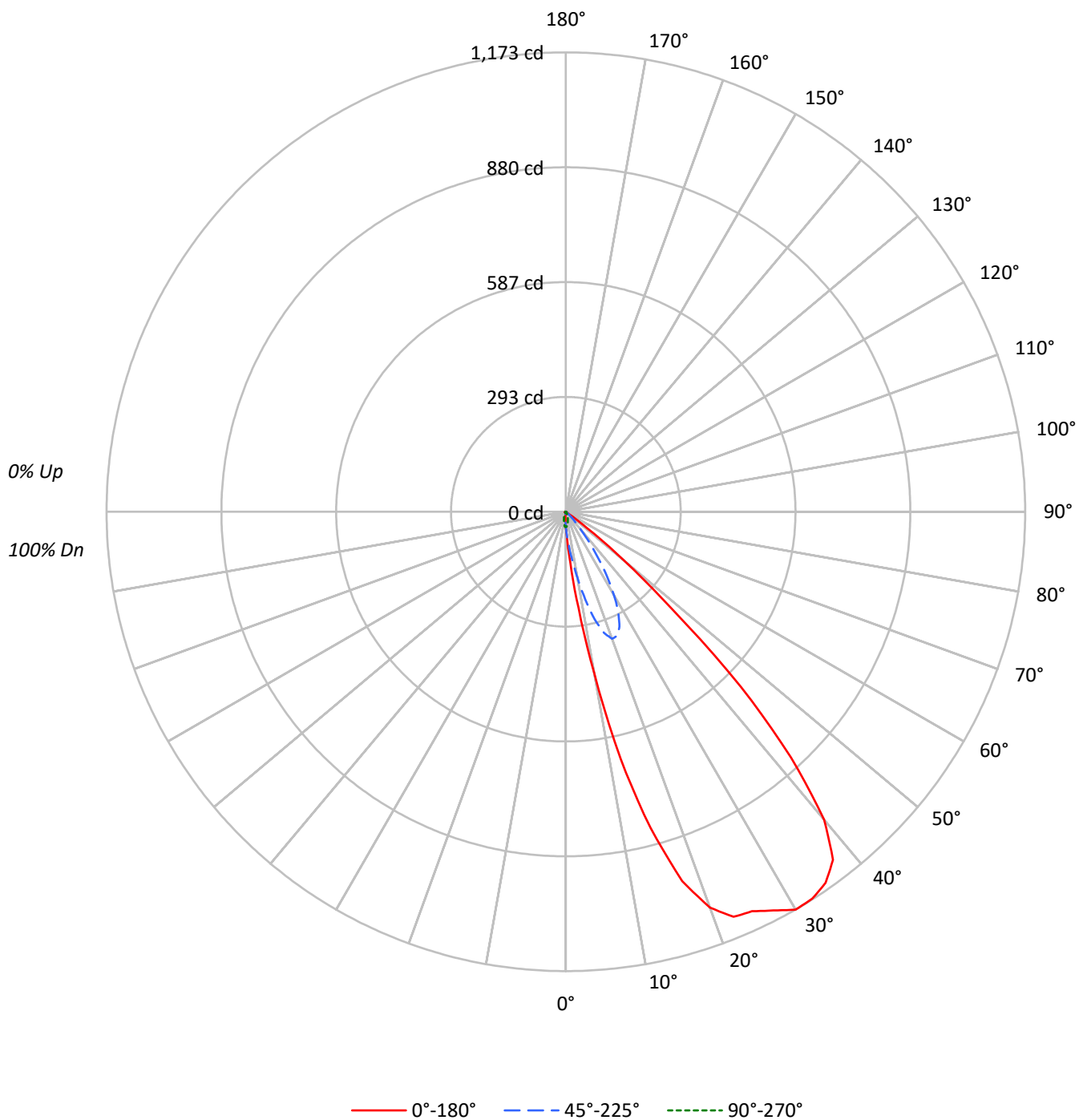
Lumens per Lamp: N/A  
Luminaire Lumens: 369.0 lumens  
Efficiency: N/A  
Efficacy: 25.4 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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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CATALOG NUMBER: P3A13R359827DE010 E3A301H

### 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  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 83  |    |    |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |    |    |
| 4   | 92  | 83  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 41  |    |    |
| 10  | 62  | 50  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 8508   | 8508  | 8508 | 8508 | 8508 |
| 5°  | 28946  | 18820 | 7946 | 3346 | 2487 |
| 10° | 93162  | 38120 | 6279 | 1247 | 802  |
| 15° | 189785 | 64677 | 4427 | 454  | 295  |
| 20° | 250972 | 80530 | 2870 | 163  | 163  |
| 25° | 272314 | 78295 | 1597 | 73   | 169  |
| 30° | 297058 | 62389 | 658  | 76   | 177  |
| 35° | 309559 | 38842 | 187  | 80   | 187  |
| 40° | 293750 | 16975 | 86   | 200  | 286  |
| 45° | 196082 | 6791  | 93   | 310  | 527  |
| 50° | 65772  | 1126  | 239  | 443  | 682  |
| 55° | 3670   | 115   | 268  | 650  | 879  |
| 60° | 307    | 132   | 439  | 746  | 1009 |
| 65° | 363    | 156   | 519  | 882  | 1193 |
| 70° | 192    | 192   | 641  | 1090 | 1282 |
| 75° | 254    | 254   | 847  | 1101 | 1440 |
| 80° | 0      | 379   | 1263 | 1263 | 1263 |
| 85° | 0      | 755   | 2516 | 755  | 1761 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 196082 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.7    | 1.8       |
| 10°-20°   | 53.0   | 14.4      |
| 20°-30°   | 111.9  | 30.3      |
| 30°-40°   | 126.9  | 34.4      |
| 40°-50°   | 62.5   | 16.9      |
| 50°-60°   | 5.4    | 1.5       |
| 60°-70°   | 1.1    | 0.3       |
| 70°-80°   | 1.0    | 0.3       |
| 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°    | 171.6  | 46.5      |
| 0°-40°    | 298.5  | 80.9      |
| 0°-60°    | 366.4  | 99.3      |
| 0°-90°    | 369.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 369.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 39   | 39  | 39  | 39   | 39   |      |
| 5°  | 132  | 86  | 36  | 15   | 11   | 22   |
| 15° | 836  | 285 | 20  | 2    | 1    | 238  |
| 25° | 1126 | 324 | 7   | 0    | 1    | 524  |
| 35° | 1156 | 145 | 1   | 0    | 1    | 713  |
| 45° | 632  | 22  | 0   | 1    | 2    | 467  |
| 55° | 10   | 0   | 1   | 2    | 2    | 38   |
| 65° | 1    | 0   | 1   | 2    | 2    | 1    |
| 75° | 0    | 0   | 1   | 1    | 2    | 0    |
| 85° | 0    | 0   | 1   | 0    | 1    | 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°    | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8  | 38.8  | 38.8  | 38.8  | 38.8  | 38.8  |
| 2.5°  | 67.2   | 68.9   | 68.2   | 67.9   | 67.6   | 66.2  | 63.3  | 62.9  | 60.0  | 58.0  | 48.0  |
| 5°    | 131.5  | 128.9  | 129.5  | 125.9  | 121.2  | 114.6 | 110.3 | 101.0 | 93.4  | 85.5  | 56.0  |
| 7.5°  | 247.8  | 244.1  | 237.2  | 226.6  | 215.6  | 201.4 | 179.9 | 162.6 | 142.8 | 123.9 | 62.3  |
| 10°   | 418.4  | 416.4  | 407.4  | 380.3  | 356.4  | 318.3 | 282.5 | 244.8 | 207.7 | 171.2 | 66.6  |
| 12.5° | 646.2  | 632.7  | 616.4  | 580.3  | 533.3  | 485.6 | 415.0 | 349.8 | 290.5 | 229.5 | 66.9  |
| 15°   | 836.0  | 827.4  | 804.6  | 757.5  | 700.9  | 632.0 | 548.2 | 460.4 | 371.0 | 284.9 | 63.6  |
| 17.5° | 988.7  | 975.5  | 946.0  | 900.0  | 834.7  | 745.3 | 647.2 | 540.2 | 431.3 | 324.3 | 58.0  |
| 20°   | 1075.5 | 1068.6 | 1046.0 | 1000.0 | 928.8  | 831.1 | 719.4 | 594.9 | 469.0 | 345.1 | 50.7  |
| 22.5° | 1119.3 | 1114.3 | 1097.7 | 1061.0 | 994.4  | 896.0 | 768.1 | 623.4 | 480.0 | 342.8 | 43.1  |
| 25°   | 1125.5 | 1124.2 | 1110.0 | 1082.2 | 1026.5 | 929.1 | 789.3 | 628.7 | 471.0 | 323.6 | 35.8  |
| 27.5° | 1147.4 | 1142.8 | 1125.9 | 1098.1 | 1042.1 | 934.8 | 782.1 | 610.5 | 442.2 | 289.8 | 29.8  |
| 30°   | 1173.2 | 1169.9 | 1153.0 | 1124.2 | 1058.0 | 929.5 | 756.2 | 570.1 | 396.2 | 246.4 | 22.2  |
| 32.5° | 1171.3 | 1169.9 | 1155.7 | 1125.2 | 1046.7 | 898.3 | 710.2 | 509.4 | 333.6 | 194.4 | 13.9  |
| 35°   | 1156.4 | 1151.7 | 1133.8 | 1086.8 | 982.5  | 818.2 | 622.7 | 427.3 | 264.0 | 145.1 | 8.9   |
| 37.5° | 1120.6 | 1110.6 | 1080.5 | 1000.7 | 867.5  | 694.6 | 507.1 | 329.9 | 186.8 | 97.1  | 5.6   |
| 40°   | 1026.2 | 1013.6 | 953.0  | 856.6  | 717.1  | 547.2 | 377.3 | 226.9 | 123.2 | 59.3  | 2.3   |
| 42.5° | 851.3  | 825.8  | 765.2  | 666.1  | 535.3  | 386.9 | 247.8 | 147.1 | 72.5  | 35.8  | 0.7   |
| 45°   | 632.3  | 612.8  | 549.2  | 459.4  | 350.8  | 248.1 | 150.1 | 79.5  | 40.1  | 21.9  | 0.3   |
| 47.5° | 368.3  | 356.4  | 323.6  | 264.7  | 193.8  | 130.2 | 76.8  | 42.7  | 23.5  | 10.6  | 0.3   |
| 50°   | 192.8  | 177.9  | 153.0  | 115.9  | 85.5   | 60.0  | 37.4  | 22.9  | 11.6  | 3.3   | 0.3   |
| 52.5° | 67.6   | 66.6   | 60.6   | 45.7   | 37.1   | 26.8  | 18.2  | 9.9   | 3.3   | 0.7   | 0.3   |
| 55°   | 9.6    | 9.6    | 8.9    | 9.9    | 10.6   | 9.6   | 6.3   | 2.6   | 0.7   | 0.3   | 0.3   |
| 57.5° | 0.7    | 0.7    | 0.7    | 1.0    | 1.3    | 1.3   | 1.0   | 0.3   | 0.3   | 0.3   | 0.7   |
| 60°   | 0.7    | 0.7    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 62.5° | 0.7    | 0.7    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 65°   | 0.7    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 67.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 1.0   |
| 72.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 1.0   |
| 75°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 1.0   |
| 77.5° | 0.0    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 1.0   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.3   | 0.3   | 0.3   | 0.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 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°    | 38.8 | 38.8   | 38.8 | 38.8   | 38.8 |
| 2.5°  | 38.4 | 30.8   | 24.5 | 21.5   | 20.5 |
| 5°    | 36.1 | 23.2   | 15.2 | 11.9   | 11.3 |
| 7.5°  | 32.1 | 16.6   | 9.3  | 6.6    | 6.3  |
| 10°   | 28.2 | 11.9   | 5.6  | 4.0    | 3.6  |
| 12.5° | 23.5 | 8.3    | 3.6  | 2.3    | 2.0  |
| 15°   | 19.5 | 5.6    | 2.0  | 1.7    | 1.3  |
| 17.5° | 15.6 | 3.6    | 1.3  | 1.0    | 1.3  |
| 20°   | 12.3 | 2.3    | 0.7  | 0.7    | 0.7  |
| 22.5° | 9.3  | 1.3    | 0.7  | 0.7    | 0.7  |
| 25°   | 6.6  | 0.7    | 0.3  | 0.3    | 0.7  |
| 27.5° | 4.6  | 0.3    | 0.3  | 0.3    | 0.7  |
| 30°   | 2.6  | 0.3    | 0.3  | 0.3    | 0.7  |
| 32.5° | 1.3  | 0.3    | 0.3  | 0.7    | 0.7  |
| 35°   | 0.7  | 0.3    | 0.3  | 0.7    | 0.7  |
| 37.5° | 0.3  | 0.3    | 0.3  | 0.7    | 1.0  |
| 40°   | 0.3  | 0.3    | 0.7  | 1.0    | 1.0  |
| 42.5° | 0.3  | 0.3    | 0.7  | 1.0    | 1.3  |
| 45°   | 0.3  | 0.7    | 1.0  | 1.3    | 1.7  |
| 47.5° | 0.7  | 0.7    | 1.3  | 1.7    | 2.0  |
| 50°   | 0.7  | 1.0    | 1.3  | 2.0    | 2.0  |
| 52.5° | 0.7  | 1.0    | 1.7  | 2.0    | 2.3  |
| 55°   | 0.7  | 1.3    | 1.7  | 2.3    | 2.3  |
| 57.5° | 1.0  | 1.3    | 1.7  | 2.3    | 2.3  |
| 60°   | 1.0  | 1.3    | 1.7  | 2.3    | 2.3  |
| 62.5° | 1.0  | 1.3    | 1.7  | 2.3    | 2.3  |
| 65°   | 1.0  | 1.3    | 1.7  | 2.3    | 2.3  |
| 67.5° | 1.0  | 1.3    | 1.7  | 2.0    | 2.3  |
| 70°   | 1.0  | 1.3    | 1.7  | 2.0    | 2.0  |
| 72.5° | 1.3  | 1.3    | 1.7  | 2.0    | 2.0  |
| 75°   | 1.0  | 1.3    | 1.3  | 1.7    | 1.7  |
| 77.5° | 1.0  | 1.0    | 1.0  | 1.3    | 1.3  |
| 80°   | 1.0  | 1.0    | 1.0  | 1.0    | 1.0  |
| 82.5° | 1.0  | 0.7    | 0.7  | 1.0    | 1.0  |
| 85°   | 1.0  | 0.7    | 0.3  | 0.7    | 0.7  |
| 87.5° | 0.7  | 0.7    | 0.3  | 0.3    | 0.3  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)