

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: P1345049

Luminaire Tested: P3A13R309827DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345049  
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: P3A13R309827DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

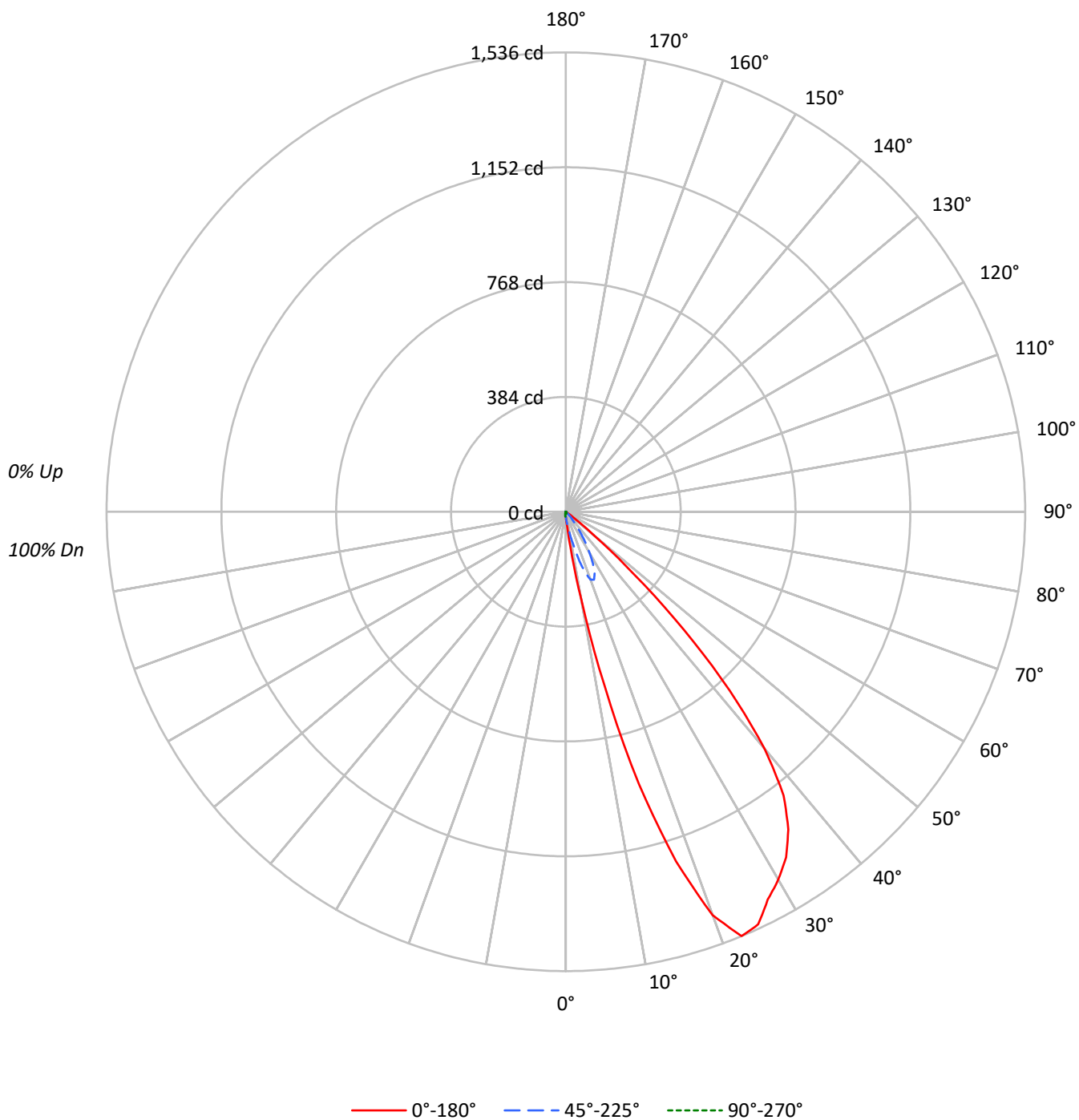
Lumens per Lamp: N/A  
Luminaire Lumens: 362.0 lumens  
Efficiency: N/A  
Efficacy: 25.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P3A13R309827DE010 E3A301LI

### 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   | 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°  | 3772   | 3772  | 3772 | 3772 | 3772 |
| 5°  | 11358  | 7572  | 3566 | 1607 | 1321 |
| 10° | 65775  | 16054 | 2806 | 735  | 512  |
| 15° | 213940 | 36413 | 1952 | 159  | 68   |
| 20° | 334769 | 56355 | 1237 | 0    | 0    |
| 25° | 368320 | 55068 | 629  | 0    | 0    |
| 30° | 359726 | 39702 | 253  | 0    | 0    |
| 35° | 347197 | 22593 | 80   | 0    | 0    |
| 40° | 296098 | 9561  | 0    | 0    | 0    |
| 45° | 173754 | 3597  | 93   | 0    | 93   |
| 50° | 42199  | 682   | 102  | 102  | 341  |
| 55° | 3670   | 0     | 268  | 382  | 497  |
| 60° | 132    | 0     | 307  | 439  | 746  |
| 65° | 156    | 156   | 519  | 519  | 882  |
| 70° | 192    | 192   | 641  | 641  | 833  |
| 75° | 0      | 254   | 847  | 847  | 847  |
| 80° | 0      | 379   | 1263 | 884  | 884  |
| 85° | 0      | 755   | 2516 | 755  | 755  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 173754 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.2    | 0.9       |
| 10°-20°   | 49.8   | 13.7      |
| 20°-30°   | 126.4  | 34.9      |
| 30°-40°   | 126.0  | 34.8      |
| 40°-50°   | 51.0   | 14.1      |
| 50°-60°   | 3.5    | 1.0       |
| 60°-70°   | 0.8    | 0.2       |
| 70°-80°   | 0.8    | 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°    | 179.3  | 49.5      |
| 0°-40°    | 305.4  | 84.4      |
| 0°-60°    | 359.9  | 99.4      |
| 0°-90°    | 362.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 362.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 17   | 17  | 17  | 17   | 17   |      |
| 5°  | 52   | 34  | 16  | 7    | 6    | 12   |
| 15° | 942  | 160 | 9   | 1    | 0    | 274  |
| 25° | 1522 | 228 | 3   | 0    | 0    | 687  |
| 35° | 1297 | 84  | 0   | 0    | 0    | 795  |
| 45° | 560  | 12  | 0   | 0    | 0    | 427  |
| 55° | 10   | 0   | 1   | 1    | 1    | 25   |
| 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°    | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2  | 17.2  | 17.2  | 17.2  | 17.2  |
| 2.5°  | 28.4   | 28.8   | 28.8   | 28.1   | 27.8   | 27.8   | 26.8  | 26.5  | 25.5  | 24.5  | 21.2  |
| 5°    | 51.6   | 50.6   | 49.3   | 49.3   | 46.3   | 44.7   | 42.3  | 39.7  | 37.7  | 34.4  | 24.5  |
| 7.5°  | 117.1  | 109.2  | 106.8  | 103.9  | 92.6   | 83.7   | 73.4  | 64.5  | 56.2  | 49.3  | 27.1  |
| 10°   | 295.4  | 279.8  | 266.9  | 240.8  | 208.1  | 176.6  | 147.5 | 113.8 | 90.6  | 72.1  | 29.1  |
| 12.5° | 595.1  | 574.2  | 549.4  | 501.8  | 440.6  | 362.2  | 292.7 | 218.6 | 153.5 | 106.2 | 29.8  |
| 15°   | 942.4  | 907.0  | 868.3  | 807.8  | 707.5  | 595.1  | 469.7 | 351.6 | 246.4 | 160.4 | 29.1  |
| 17.5° | 1225.6 | 1211.7 | 1154.4 | 1071.7 | 949.0  | 804.1  | 649.7 | 488.2 | 332.4 | 210.0 | 27.1  |
| 20°   | 1434.6 | 1425.0 | 1355.9 | 1267.9 | 1129.6 | 963.6  | 767.4 | 573.6 | 392.3 | 241.5 | 24.1  |
| 22.5° | 1535.5 | 1533.9 | 1483.9 | 1393.9 | 1247.4 | 1059.2 | 843.2 | 622.9 | 410.8 | 245.8 | 20.2  |
| 25°   | 1522.3 | 1528.2 | 1499.8 | 1433.0 | 1292.4 | 1098.5 | 865.7 | 622.9 | 397.3 | 227.6 | 16.9  |
| 27.5° | 1462.1 | 1466.0 | 1448.2 | 1396.9 | 1265.9 | 1070.1 | 834.2 | 582.8 | 357.9 | 195.5 | 13.9  |
| 30°   | 1420.7 | 1422.4 | 1400.2 | 1345.3 | 1206.4 | 1005.3 | 760.1 | 508.7 | 298.4 | 156.8 | 10.3  |
| 32.5° | 1370.4 | 1370.1 | 1344.3 | 1281.5 | 1128.3 | 914.3  | 666.2 | 420.4 | 229.2 | 119.1 | 6.0   |
| 35°   | 1297.0 | 1288.7 | 1253.7 | 1181.2 | 1011.9 | 791.9  | 546.1 | 320.2 | 165.1 | 84.4  | 3.6   |
| 37.5° | 1196.1 | 1174.6 | 1125.0 | 1028.1 | 848.5  | 620.9  | 404.9 | 224.9 | 112.8 | 55.9  | 2.3   |
| 40°   | 1034.4 | 1011.5 | 944.1  | 826.3  | 641.7  | 446.9  | 272.9 | 146.5 | 71.1  | 33.4  | 1.3   |
| 42.5° | 811.1  | 795.5  | 704.6  | 587.1  | 423.7  | 285.1  | 164.1 | 86.7  | 40.0  | 19.2  | 0.3   |
| 45°   | 560.3  | 540.2  | 468.7  | 369.2  | 254.4  | 158.1  | 92.0  | 45.3  | 22.8  | 11.6  | 0.0   |
| 47.5° | 309.3  | 284.5  | 243.1  | 191.2  | 128.0  | 83.0   | 46.3  | 24.5  | 12.9  | 5.6   | 0.0   |
| 50°   | 123.7  | 122.7  | 97.6   | 69.5   | 49.0   | 37.7   | 23.2  | 13.2  | 6.6   | 2.0   | 0.3   |
| 52.5° | 43.3   | 43.3   | 37.4   | 30.4   | 23.8   | 17.2   | 11.6  | 6.3   | 2.3   | 0.7   | 0.3   |
| 55°   | 9.6    | 10.6   | 9.9    | 9.3    | 8.9    | 7.6    | 5.0   | 2.3   | 0.7   | 0.0   | 0.3   |
| 57.5° | 1.0    | 1.0    | 1.0    | 1.3    | 1.7    | 1.7    | 1.3   | 0.7   | 0.0   | 0.0   | 0.3   |
| 60°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.0   | 0.0   | 0.0   | 0.7   |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.0    | 0.0   | 0.0   | 0.3   | 0.3   | 0.7   |
| 65°   | 0.3    | 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°   | 0.0    | 0.0    | 0.3    | 0.3    | 0.0    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 1.0   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.7   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.3   | 0.3   | 0.3   | 0.7   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    | 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   | 0.0   | 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°    | 17.2 | 17.2   | 17.2 | 17.2   | 17.2 |
| 2.5°  | 17.2 | 13.6   | 11.2 | 9.9    | 9.6  |
| 5°    | 16.2 | 10.3   | 7.3  | 6.3    | 6.0  |
| 7.5°  | 14.6 | 7.6    | 5.0  | 4.0    | 3.6  |
| 10°   | 12.6 | 5.6    | 3.3  | 2.3    | 2.3  |
| 12.5° | 10.6 | 4.3    | 2.0  | 1.0    | 0.7  |
| 15°   | 8.6  | 2.6    | 0.7  | 0.3    | 0.3  |
| 17.5° | 6.6  | 1.7    | 0.0  | 0.0    | 0.0  |
| 20°   | 5.3  | 0.7    | 0.0  | 0.0    | 0.0  |
| 22.5° | 4.0  | 0.3    | 0.0  | 0.0    | 0.0  |
| 25°   | 2.6  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 1.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.3  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.3  | 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°   | 0.3  | 0.0    | 0.0  | 0.3    | 0.3  |
| 47.5° | 0.3  | 0.3    | 0.3  | 0.7    | 0.7  |
| 50°   | 0.3  | 0.3    | 0.3  | 0.7    | 1.0  |
| 52.5° | 0.7  | 0.3    | 0.7  | 1.0    | 1.0  |
| 55°   | 0.7  | 0.7    | 1.0  | 1.3    | 1.3  |
| 57.5° | 0.7  | 0.7    | 1.0  | 1.3    | 1.3  |
| 60°   | 0.7  | 0.7    | 1.0  | 1.3    | 1.7  |
| 62.5° | 1.0  | 1.0    | 1.0  | 1.3    | 1.3  |
| 65°   | 1.0  | 1.0    | 1.0  | 1.3    | 1.7  |
| 67.5° | 1.0  | 1.0    | 1.0  | 1.3    | 1.7  |
| 70°   | 1.0  | 1.0    | 1.0  | 1.3    | 1.3  |
| 72.5° | 1.3  | 1.0    | 1.0  | 1.3    | 1.3  |
| 75°   | 1.0  | 1.0    | 1.0  | 1.0    | 1.0  |
| 77.5° | 1.0  | 1.0    | 0.7  | 1.0    | 1.0  |
| 80°   | 1.0  | 0.7    | 0.7  | 0.7    | 0.7  |
| 82.5° | 1.0  | 0.7    | 0.7  | 0.7    | 0.7  |
| 85°   | 1.0  | 0.7    | 0.3  | 0.3    | 0.3  |
| 87.5° | 1.0  | 0.7    | 0.3  | 0.3    | 0.3  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)