

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: P1338447

Luminaire Tested: P3A05R359735DE010 E3CA301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338447  
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: P3A05R359735DE010 E3CA301MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

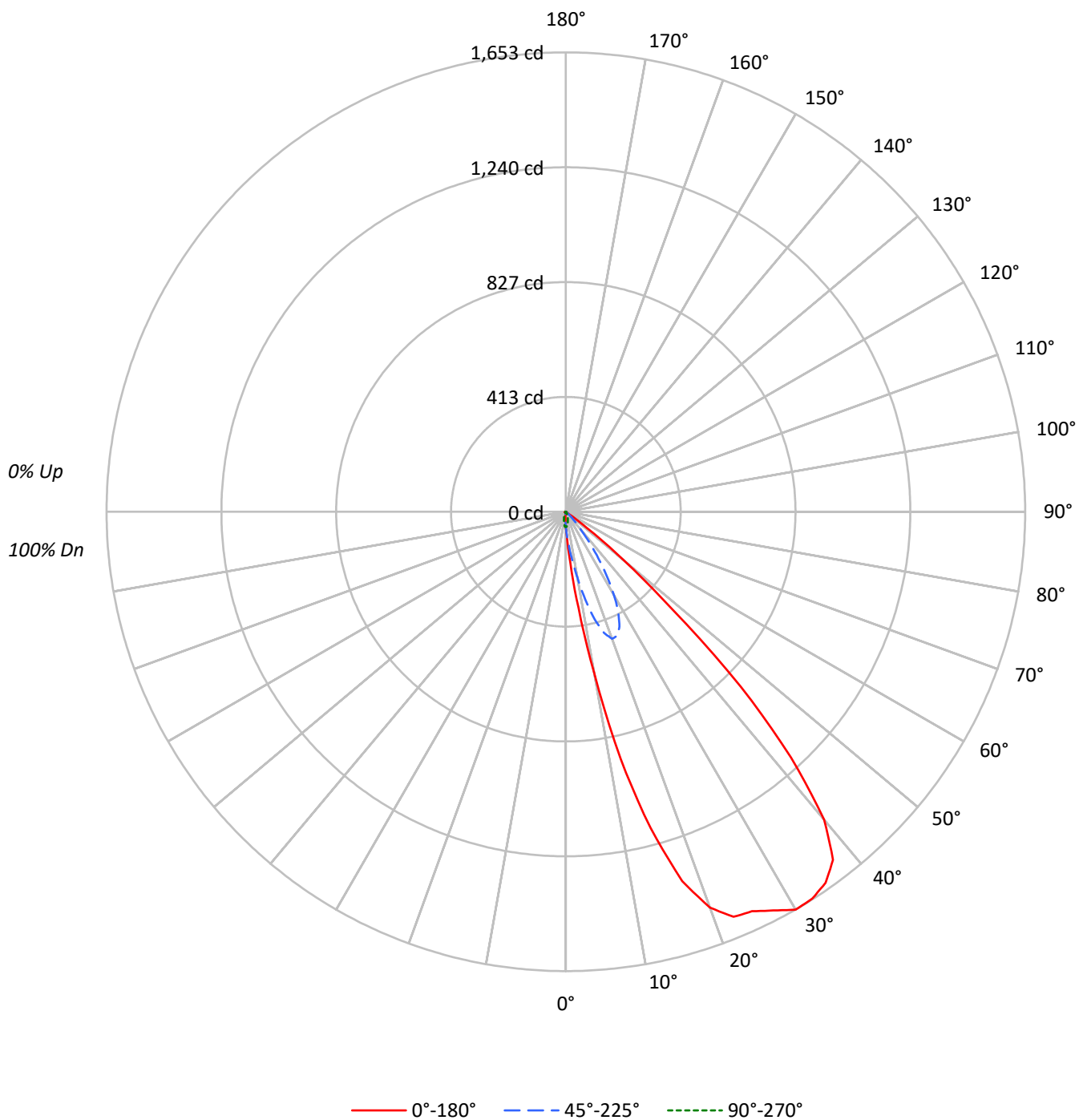
Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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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CATALOG NUMBER: P3A05R359735DE010 E3CA301MW

### 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°  | 11973  | 11973  | 11973 | 11973 | 11973 |
| 5°  | 40788  | 26502  | 11204 | 4733  | 3500  |
| 10° | 131260 | 53729  | 8840  | 1759  | 1136  |
| 15° | 267470 | 91124  | 6243  | 636   | 431   |
| 20° | 353671 | 113503 | 4037  | 210   | 210   |
| 25° | 383756 | 110329 | 2250  | 121   | 218   |
| 30° | 418647 | 87938  | 937   | 127   | 228   |
| 35° | 436205 | 54743  | 241   | 134   | 241   |
| 40° | 413947 | 23931  | 143   | 258   | 401   |
| 45° | 276339 | 9551   | 155   | 434   | 713   |
| 50° | 92688  | 1603   | 307   | 648   | 955   |
| 55° | 5161   | 191    | 344   | 879   | 1262  |
| 60° | 395    | 219    | 614   | 1009  | 1447  |
| 65° | 467    | 259    | 726   | 1193  | 1712  |
| 70° | 321    | 321    | 898   | 1475  | 1795  |
| 75° | 424    | 424    | 1186  | 1610  | 1949  |
| 80° | 0      | 631    | 1768  | 1768  | 1768  |
| 85° | 0      | 1258   | 3522  | 1258  | 2264  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 276339 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.5    | 1.8       |
| 10°-20°   | 74.7   | 14.4      |
| 20°-30°   | 157.6  | 30.3      |
| 30°-40°   | 178.9  | 34.4      |
| 40°-50°   | 88.0   | 16.9      |
| 50°-60°   | 7.6    | 1.5       |
| 60°-70°   | 1.6    | 0.3       |
| 70°-80°   | 1.5    | 0.3       |
| 80°-90°   | 0.7    | 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°    | 241.8  | 46.5      |
| 0°-40°    | 420.6  | 80.9      |
| 0°-60°    | 516.3  | 99.3      |
| 0°-90°    | 520.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 520.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 55   | 55  | 55  | 55   | 55   |      |
| 5°  | 185  | 120 | 51  | 22   | 16   | 31   |
| 15° | 1178 | 401 | 28  | 3    | 2    | 335  |
| 25° | 1586 | 456 | 9   | 0    | 1    | 738  |
| 35° | 1630 | 204 | 1   | 0    | 1    | 1004 |
| 45° | 891  | 31  | 0   | 1    | 2    | 658  |
| 55° | 14   | 0   | 1   | 2    | 3    | 53   |
| 65° | 1    | 0   | 1   | 2    | 3    | 1    |
| 75° | 0    | 0   | 1   | 2    | 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°    | 54.6   | 54.6   | 54.6   | 54.6   | 54.6   | 54.6   | 54.6   | 54.6  | 54.6  | 54.6  | 54.6  |
| 2.5°  | 94.8   | 97.1   | 96.2   | 95.7   | 95.2   | 93.4   | 89.2   | 88.7  | 84.5  | 81.7  | 67.7  |
| 5°    | 185.3  | 181.6  | 182.5  | 177.4  | 170.8  | 161.5  | 155.4  | 142.4 | 131.6 | 120.4 | 78.9  |
| 7.5°  | 349.2  | 344.0  | 334.2  | 319.3  | 303.9  | 283.8  | 253.5  | 229.2 | 201.2 | 174.6 | 87.8  |
| 10°   | 589.5  | 586.7  | 574.1  | 535.9  | 502.3  | 448.6  | 398.2  | 345.0 | 292.7 | 241.3 | 93.8  |
| 12.5° | 910.7  | 891.6  | 868.7  | 817.8  | 751.5  | 684.3  | 584.9  | 492.9 | 409.4 | 323.5 | 94.3  |
| 15°   | 1178.2 | 1166.0 | 1133.8 | 1067.5 | 987.7  | 890.6  | 772.5  | 648.8 | 522.8 | 401.4 | 89.6  |
| 17.5° | 1393.4 | 1374.7 | 1333.1 | 1268.3 | 1176.3 | 1050.3 | 912.1  | 761.3 | 607.8 | 457.0 | 81.7  |
| 20°   | 1515.6 | 1505.8 | 1474.1 | 1409.2 | 1308.9 | 1171.2 | 1013.9 | 838.3 | 661.0 | 486.4 | 71.4  |
| 22.5° | 1577.3 | 1570.3 | 1546.9 | 1495.1 | 1401.3 | 1262.7 | 1082.5 | 878.5 | 676.4 | 483.1 | 60.7  |
| 25°   | 1586.1 | 1584.3 | 1564.2 | 1525.0 | 1446.6 | 1309.3 | 1112.3 | 886.0 | 663.8 | 456.0 | 50.4  |
| 27.5° | 1616.9 | 1610.4 | 1586.6 | 1547.4 | 1468.5 | 1317.3 | 1102.1 | 860.3 | 623.2 | 408.4 | 42.0  |
| 30°   | 1653.4 | 1648.7 | 1624.9 | 1584.3 | 1490.9 | 1309.8 | 1065.7 | 803.3 | 558.3 | 347.3 | 31.3  |
| 32.5° | 1650.6 | 1648.7 | 1628.6 | 1585.7 | 1475.0 | 1265.9 | 1000.8 | 717.9 | 470.1 | 274.0 | 19.6  |
| 35°   | 1629.5 | 1623.0 | 1597.8 | 1531.5 | 1384.5 | 1153.0 | 877.6  | 602.2 | 372.0 | 204.5 | 12.6  |
| 37.5° | 1579.1 | 1565.1 | 1522.7 | 1410.2 | 1222.5 | 978.8  | 714.6  | 464.9 | 263.3 | 136.8 | 7.9   |
| 40°   | 1446.1 | 1428.4 | 1342.9 | 1207.1 | 1010.6 | 771.1  | 531.7  | 319.7 | 173.6 | 83.6  | 3.3   |
| 42.5° | 1199.6 | 1163.7 | 1078.3 | 938.7  | 754.3  | 545.2  | 349.2  | 207.3 | 102.2 | 50.4  | 0.9   |
| 45°   | 891.1  | 863.6  | 773.9  | 647.4  | 494.3  | 349.6  | 211.5  | 112.0 | 56.5  | 30.8  | 0.5   |
| 47.5° | 519.1  | 502.3  | 456.0  | 373.0  | 273.1  | 183.4  | 108.3  | 60.2  | 33.1  | 14.9  | 0.5   |
| 50°   | 271.7  | 250.7  | 215.7  | 163.4  | 120.4  | 84.5   | 52.7   | 32.2  | 16.3  | 4.7   | 0.5   |
| 52.5° | 95.2   | 93.8   | 85.4   | 64.4   | 52.3   | 37.8   | 25.7   | 14.0  | 4.7   | 0.9   | 0.5   |
| 55°   | 13.5   | 13.5   | 12.6   | 14.0   | 14.9   | 13.5   | 8.9    | 3.7   | 0.9   | 0.5   | 0.5   |
| 57.5° | 0.9    | 0.9    | 0.9    | 1.4    | 1.9    | 1.9    | 1.4    | 0.5   | 0.5   | 0.5   | 0.9   |
| 60°   | 0.9    | 0.9    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 62.5° | 0.9    | 0.9    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 65°   | 0.9    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 1.4   |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 1.4   |
| 75°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 1.4   |
| 77.5° | 0.0    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 1.4   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5   | 0.5   | 0.5   | 0.9   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 0.5   | 0.5   | 0.9   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.5   | 0.9   |
| 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°    | 54.6 | 54.6   | 54.6 | 54.6   | 54.6 |
| 2.5°  | 54.1 | 43.4   | 34.5 | 30.3   | 28.9 |
| 5°    | 50.9 | 32.7   | 21.5 | 16.8   | 15.9 |
| 7.5°  | 45.3 | 23.3   | 13.1 | 9.3    | 8.9  |
| 10°   | 39.7 | 16.8   | 7.9  | 5.6    | 5.1  |
| 12.5° | 33.1 | 11.7   | 5.1  | 3.3    | 2.8  |
| 15°   | 27.5 | 7.9    | 2.8  | 2.3    | 1.9  |
| 17.5° | 21.9 | 5.1    | 1.9  | 1.4    | 1.9  |
| 20°   | 17.3 | 3.3    | 0.9  | 0.9    | 0.9  |
| 22.5° | 13.1 | 1.9    | 0.9  | 0.9    | 0.9  |
| 25°   | 9.3  | 0.9    | 0.5  | 0.5    | 0.9  |
| 27.5° | 6.5  | 0.5    | 0.5  | 0.5    | 0.9  |
| 30°   | 3.7  | 0.5    | 0.5  | 0.5    | 0.9  |
| 32.5° | 1.9  | 0.5    | 0.5  | 0.9    | 0.9  |
| 35°   | 0.9  | 0.5    | 0.5  | 0.9    | 0.9  |
| 37.5° | 0.5  | 0.5    | 0.5  | 0.9    | 1.4  |
| 40°   | 0.5  | 0.5    | 0.9  | 1.4    | 1.4  |
| 42.5° | 0.5  | 0.5    | 0.9  | 1.4    | 1.9  |
| 45°   | 0.5  | 0.9    | 1.4  | 1.9    | 2.3  |
| 47.5° | 0.9  | 0.9    | 1.9  | 2.3    | 2.8  |
| 50°   | 0.9  | 1.4    | 1.9  | 2.8    | 2.8  |
| 52.5° | 0.9  | 1.4    | 2.3  | 2.8    | 3.3  |
| 55°   | 0.9  | 1.9    | 2.3  | 3.3    | 3.3  |
| 57.5° | 1.4  | 1.9    | 2.3  | 3.3    | 3.3  |
| 60°   | 1.4  | 1.9    | 2.3  | 3.3    | 3.3  |
| 62.5° | 1.4  | 1.9    | 2.3  | 3.3    | 3.3  |
| 65°   | 1.4  | 1.9    | 2.3  | 3.3    | 3.3  |
| 67.5° | 1.4  | 1.9    | 2.3  | 2.8    | 3.3  |
| 70°   | 1.4  | 1.9    | 2.3  | 2.8    | 2.8  |
| 72.5° | 1.9  | 1.9    | 2.3  | 2.8    | 2.8  |
| 75°   | 1.4  | 1.9    | 1.9  | 2.3    | 2.3  |
| 77.5° | 1.4  | 1.4    | 1.4  | 1.9    | 1.9  |
| 80°   | 1.4  | 1.4    | 1.4  | 1.4    | 1.4  |
| 82.5° | 1.4  | 0.9    | 0.9  | 1.4    | 1.4  |
| 85°   | 1.4  | 0.9    | 0.5  | 0.9    | 0.9  |
| 87.5° | 0.9  | 0.9    | 0.5  | 0.5    | 0.5  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)