

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: P1338399

Luminaire Tested: P3A05R359050DE010 E3CA301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338399  
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: P3A05R359050DE010 E3CA301MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

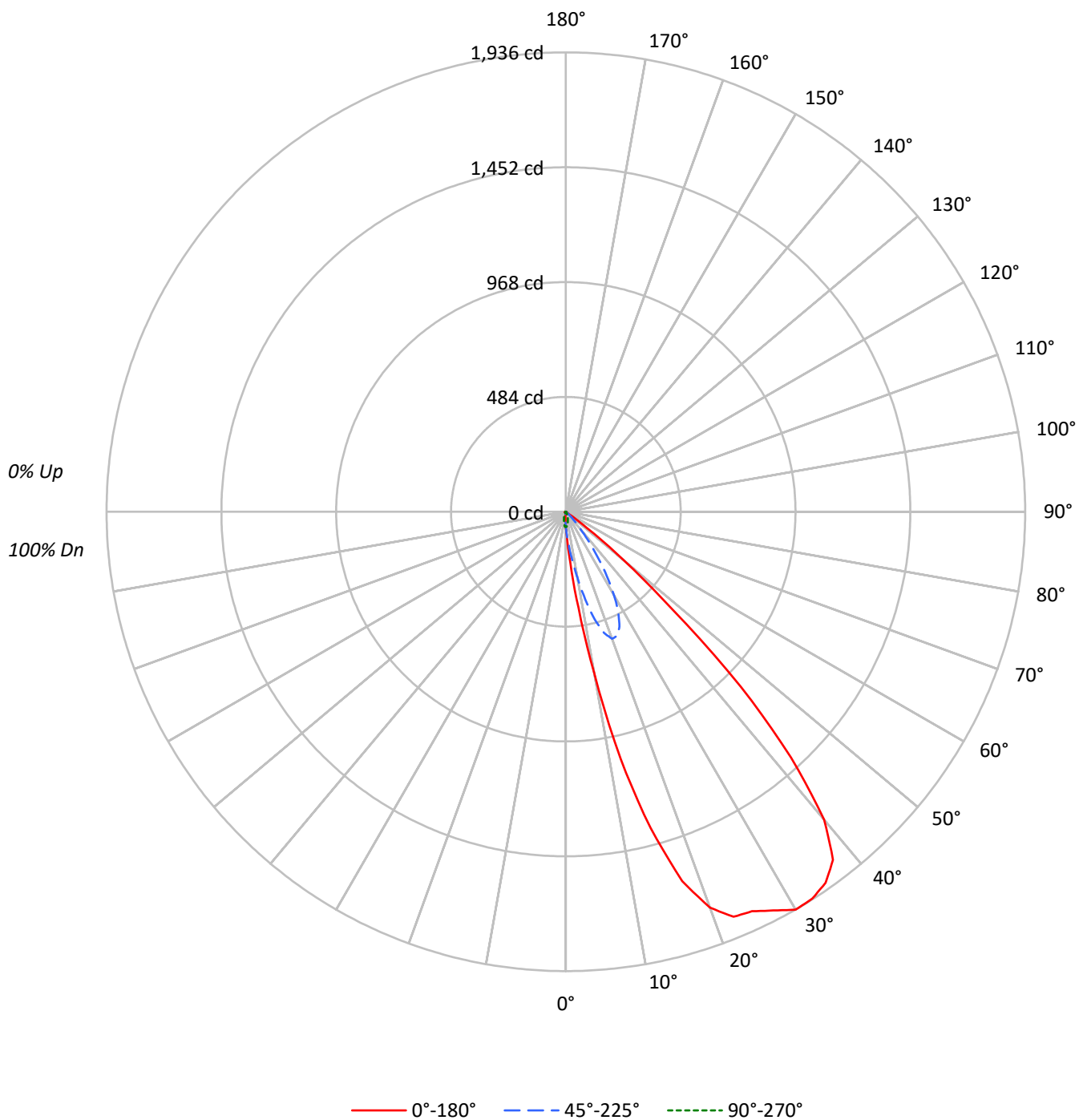
Lumens per Lamp: N/A  
Luminaire Lumens: 608.9 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1338399

CATALOG NUMBER: P3A05R359050DE010 E3CA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1338399

CATALOG NUMBER: P3A05R359050DE010 E3CA301MW

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

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 14034  | 14034  | 14034 | 14034 | 14034 |
| 5°  | 47766  | 31037  | 13119 | 5525  | 4094  |
| 10° | 153749 | 62925  | 10354 | 2071  | 1336  |
| 15° | 313237 | 106720 | 7333  | 749   | 499   |
| 20° | 414226 | 132918 | 4714  | 257   | 257   |
| 25° | 449445 | 129225 | 2637  | 121   | 266   |
| 30° | 490278 | 102978 | 1114  | 127   | 279   |
| 35° | 510864 | 64086  | 294   | 134   | 294   |
| 40° | 484794 | 28024  | 143   | 315   | 458   |
| 45° | 323630 | 11195  | 155   | 496   | 837   |
| 50° | 108551 | 1876   | 375   | 751   | 1126  |
| 55° | 6079   | 191    | 421   | 1032  | 1453  |
| 60° | 482    | 219    | 702   | 1184  | 1667  |
| 65° | 571    | 259    | 830   | 1401  | 1972  |
| 70° | 321    | 321    | 1026  | 1731  | 2116  |
| 75° | 424    | 424    | 1356  | 1864  | 2288  |
| 80° | 0      | 631    | 2020  | 2020  | 2020  |
| 85° | 0      | 1258   | 4026  | 1258  | 2768  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 323630 cd/sqm

TEST NUMBER: P1338399

CATALOG NUMBER: P3A05R359050DE010 E3CA301MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.1   | 1.8       |
| 10°-20°   | 87.5   | 14.4      |
| 20°-30°   | 184.6  | 30.3      |
| 30°-40°   | 209.5  | 34.4      |
| 40°-50°   | 103.1  | 16.9      |
| 50°-60°   | 8.9    | 1.5       |
| 60°-70°   | 1.8    | 0.3       |
| 70°-80°   | 1.7    | 0.3       |
| 80°-90°   | 0.8    | 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°    | 283.2  | 46.5      |
| 0°-40°    | 492.6  | 80.9      |
| 0°-60°    | 604.6  | 99.3      |
| 0°-90°    | 608.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 608.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 64   | 64  | 64  | 64   | 64   |      |
| 5°  | 217  | 141 | 60  | 25   | 19   | 36   |
| 15° | 1380 | 470 | 32  | 3    | 2    | 392  |
| 25° | 1858 | 534 | 11  | 0    | 1    | 864  |
| 35° | 1908 | 239 | 1   | 0    | 1    | 1176 |
| 45° | 1044 | 36  | 0   | 2    | 3    | 771  |
| 55° | 16   | 0   | 1   | 3    | 4    | 62   |
| 65° | 1    | 0   | 2   | 3    | 4    | 1    |
| 75° | 0    | 0   | 2   | 2    | 3    | 0    |
| 85° | 0    | 0   | 2   | 0    | 1    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1338399

CATALOG NUMBER: P3A05R359050DE010 E3CA301MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 64.0   | 64.0   | 64.0   | 64.0   | 64.0   | 64.0   | 64.0   | 64.0   | 64.0  | 64.0  | 64.0  |
| 2.5°  | 111.0  | 113.7  | 112.6  | 112.1  | 111.5  | 109.3  | 104.4  | 103.9  | 98.9  | 95.7  | 79.3  |
| 5°    | 217.0  | 212.7  | 213.8  | 207.7  | 200.1  | 189.2  | 182.0  | 166.7  | 154.2 | 141.0 | 92.4  |
| 7.5°  | 408.9  | 402.9  | 391.4  | 373.9  | 355.9  | 332.4  | 296.8  | 268.4  | 235.6 | 204.5 | 102.8 |
| 10°   | 690.5  | 687.2  | 672.4  | 627.6  | 588.2  | 525.4  | 466.3  | 404.0  | 342.8 | 282.6 | 109.9 |
| 12.5° | 1066.6 | 1044.2 | 1017.4 | 957.8  | 880.1  | 801.4  | 685.0  | 577.3  | 479.4 | 378.8 | 110.4 |
| 15°   | 1379.8 | 1365.6 | 1327.9 | 1250.2 | 1156.8 | 1043.1 | 904.7  | 759.9  | 612.3 | 470.1 | 105.0 |
| 17.5° | 1631.8 | 1610.0 | 1561.3 | 1485.3 | 1377.6 | 1230.0 | 1068.2 | 891.6  | 711.8 | 535.2 | 95.7  |
| 20°   | 1775.1 | 1763.6 | 1726.4 | 1650.4 | 1532.9 | 1371.6 | 1187.4 | 981.8  | 774.1 | 569.6 | 83.6  |
| 22.5° | 1847.2 | 1839.0 | 1811.7 | 1751.0 | 1641.1 | 1478.8 | 1267.7 | 1028.8 | 792.1 | 565.8 | 71.1  |
| 25°   | 1857.6 | 1855.4 | 1831.9 | 1786.0 | 1694.2 | 1533.4 | 1302.7 | 1037.6 | 777.4 | 534.1 | 59.0  |
| 27.5° | 1893.7 | 1886.0 | 1858.2 | 1812.2 | 1719.8 | 1542.7 | 1290.7 | 1007.5 | 729.8 | 478.3 | 49.2  |
| 30°   | 1936.3 | 1930.9 | 1903.0 | 1855.4 | 1746.1 | 1534.0 | 1248.1 | 940.8  | 653.8 | 406.7 | 36.6  |
| 32.5° | 1933.0 | 1930.9 | 1907.4 | 1857.1 | 1727.5 | 1482.6 | 1172.1 | 840.8  | 550.5 | 320.9 | 23.0  |
| 35°   | 1908.4 | 1900.8 | 1871.3 | 1793.6 | 1621.4 | 1350.3 | 1027.8 | 705.2  | 435.7 | 239.4 | 14.8  |
| 37.5° | 1849.4 | 1833.0 | 1783.3 | 1651.5 | 1431.7 | 1146.4 | 837.0  | 544.5  | 308.3 | 160.2 | 9.3   |
| 40°   | 1693.6 | 1672.8 | 1572.8 | 1413.7 | 1183.6 | 903.1  | 622.7  | 374.5  | 203.4 | 97.9  | 3.8   |
| 42.5° | 1405.0 | 1362.9 | 1262.8 | 1099.4 | 883.4  | 638.5  | 408.9  | 242.7  | 119.7 | 59.0  | 1.1   |
| 45°   | 1043.6 | 1011.4 | 906.4  | 758.2  | 578.9  | 409.5  | 247.6  | 131.2  | 66.1  | 36.1  | 0.5   |
| 47.5° | 607.9  | 588.2  | 534.1  | 436.8  | 319.8  | 214.8  | 126.8  | 70.5   | 38.8  | 17.5  | 0.5   |
| 50°   | 318.2  | 293.6  | 252.6  | 191.3  | 141.0  | 98.9   | 61.8   | 37.7   | 19.1  | 5.5   | 0.5   |
| 52.5° | 111.5  | 109.9  | 100.0  | 75.4   | 61.2   | 44.3   | 30.1   | 16.4   | 5.5   | 1.1   | 0.5   |
| 55°   | 15.9   | 15.9   | 14.8   | 16.4   | 17.5   | 15.9   | 10.4   | 4.4    | 1.1   | 0.5   | 0.5   |
| 57.5° | 1.1    | 1.1    | 1.1    | 1.6    | 2.2    | 2.2    | 1.6    | 0.5    | 0.5   | 0.5   | 1.1   |
| 60°   | 1.1    | 1.1    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 62.5° | 1.1    | 1.1    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 65°   | 1.1    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.6   |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.6   |
| 75°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.6   |
| 77.5° | 0.0    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 1.6   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5    | 0.5   | 0.5   | 1.1   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5   | 0.5   | 1.1   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 0.5   | 1.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   |

TEST NUMBER: P1338399

CATALOG NUMBER: P3A05R359050DE010 E3CA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0°    | 64.0 | 64.0   | 64.0 | 64.0   | 64.0 |
| 2.5°  | 63.4 | 50.8   | 40.5 | 35.5   | 33.9 |
| 5°    | 59.6 | 38.3   | 25.1 | 19.7   | 18.6 |
| 7.5°  | 53.0 | 27.3   | 15.3 | 10.9   | 10.4 |
| 10°   | 46.5 | 19.7   | 9.3  | 6.6    | 6.0  |
| 12.5° | 38.8 | 13.7   | 6.0  | 3.8    | 3.3  |
| 15°   | 32.3 | 9.3    | 3.3  | 2.7    | 2.2  |
| 17.5° | 25.7 | 6.0    | 2.2  | 1.6    | 2.2  |
| 20°   | 20.2 | 3.8    | 1.1  | 1.1    | 1.1  |
| 22.5° | 15.3 | 2.2    | 1.1  | 1.1    | 1.1  |
| 25°   | 10.9 | 1.1    | 0.5  | 0.5    | 1.1  |
| 27.5° | 7.7  | 0.5    | 0.5  | 0.5    | 1.1  |
| 30°   | 4.4  | 0.5    | 0.5  | 0.5    | 1.1  |
| 32.5° | 2.2  | 0.5    | 0.5  | 1.1    | 1.1  |
| 35°   | 1.1  | 0.5    | 0.5  | 1.1    | 1.1  |
| 37.5° | 0.5  | 0.5    | 0.5  | 1.1    | 1.6  |
| 40°   | 0.5  | 0.5    | 1.1  | 1.6    | 1.6  |
| 42.5° | 0.5  | 0.5    | 1.1  | 1.6    | 2.2  |
| 45°   | 0.5  | 1.1    | 1.6  | 2.2    | 2.7  |
| 47.5° | 1.1  | 1.1    | 2.2  | 2.7    | 3.3  |
| 50°   | 1.1  | 1.6    | 2.2  | 3.3    | 3.3  |
| 52.5° | 1.1  | 1.6    | 2.7  | 3.3    | 3.8  |
| 55°   | 1.1  | 2.2    | 2.7  | 3.8    | 3.8  |
| 57.5° | 1.6  | 2.2    | 2.7  | 3.8    | 3.8  |
| 60°   | 1.6  | 2.2    | 2.7  | 3.8    | 3.8  |
| 62.5° | 1.6  | 2.2    | 2.7  | 3.8    | 3.8  |
| 65°   | 1.6  | 2.2    | 2.7  | 3.8    | 3.8  |
| 67.5° | 1.6  | 2.2    | 2.7  | 3.3    | 3.8  |
| 70°   | 1.6  | 2.2    | 2.7  | 3.3    | 3.3  |
| 72.5° | 2.2  | 2.2    | 2.7  | 3.3    | 3.3  |
| 75°   | 1.6  | 2.2    | 2.2  | 2.7    | 2.7  |
| 77.5° | 1.6  | 1.6    | 1.6  | 2.2    | 2.2  |
| 80°   | 1.6  | 1.6    | 1.6  | 1.6    | 1.6  |
| 82.5° | 1.6  | 1.1    | 1.1  | 1.6    | 1.6  |
| 85°   | 1.6  | 1.1    | 0.5  | 1.1    | 1.1  |
| 87.5° | 1.1  | 1.1    | 0.5  | 0.5    | 0.5  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)