

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: P1345703

Luminaire Tested: P3A13R35B2750DE010 E3CA301MW\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345703  
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: P3A13R35B2750DE010 E3CA301MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

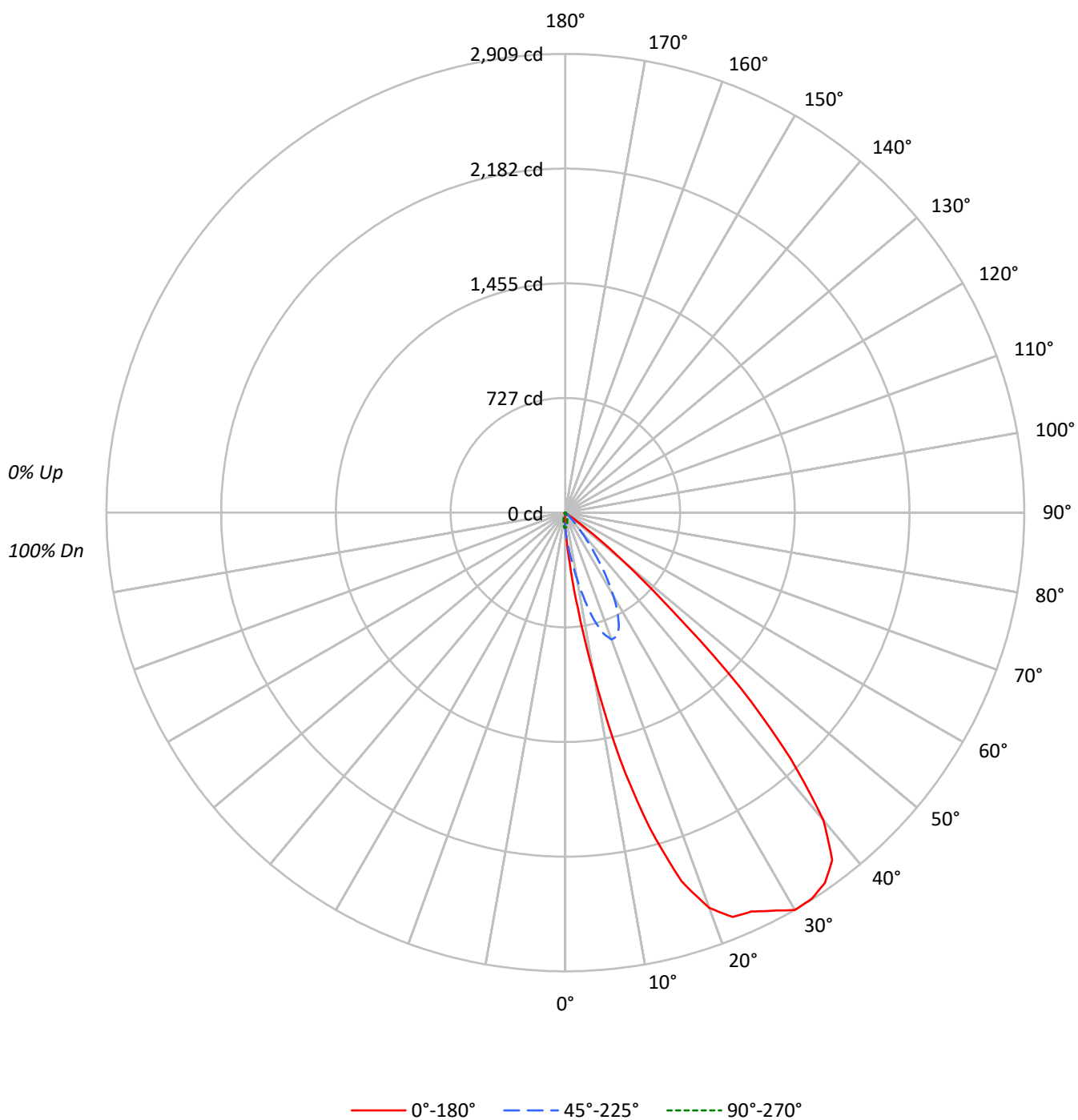
Lumens per Lamp: N/A  
Luminaire Lumens: 914.9 lumens  
Efficiency: N/A  
Efficacy: 47.9 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.1  
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 | 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  | 51  | 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°  | 21073  | 21073  | 21073 | 21073 | 21073 |
| 5°  | 71781  | 46643  | 19701 | 8320  | 6141  |
| 10° | 230991 | 94543  | 15542 | 3117  | 2004  |
| 15° | 470627 | 160364 | 11010 | 1112  | 749   |
| 20° | 622354 | 199727 | 7094  | 373   | 373   |
| 25° | 675281 | 194164 | 3968  | 194   | 387   |
| 30° | 736645 | 154733 | 1671  | 203   | 405   |
| 35° | 767581 | 96316  | 428   | 214   | 428   |
| 40° | 728393 | 42079  | 229   | 458   | 716   |
| 45° | 486252 | 16808  | 248   | 775   | 1271  |
| 50° | 163065 | 2797   | 546   | 1126  | 1672  |
| 55° | 9099   | 306    | 612   | 1567  | 2179  |
| 60° | 702    | 351    | 1096  | 1798  | 2500  |
| 65° | 830    | 415    | 1297  | 2127  | 2958  |
| 70° | 513    | 513    | 1603  | 2629  | 3142  |
| 75° | 678    | 678    | 2118  | 2796  | 3474  |
| 80° | 0      | 1010   | 3157  | 3157  | 3157  |
| 85° | 0      | 2013   | 6290  | 2013  | 4026  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 486252 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 16.7   | 1.8       |
| 10°-20°   | 131.4  | 14.4      |
| 20°-30°   | 277.4  | 30.3      |
| 30°-40°   | 314.7  | 34.4      |
| 40°-50°   | 154.9  | 16.9      |
| 50°-60°   | 13.4   | 1.5       |
| 60°-70°   | 2.7    | 0.3       |
| 70°-80°   | 2.5    | 0.3       |
| 80°-90°   | 1.2    | 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°    | 425.5  | 46.5      |
| 0°-40°    | 740.2  | 80.9      |
| 0°-60°    | 908.5  | 99.3      |
| 0°-90°    | 914.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 914.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 96   | 96  | 96  | 96   | 96   |      |
| 5°  | 326  | 212 | 90  | 38   | 28   | 54   |
| 15° | 2073 | 706 | 48  | 5    | 3    | 589  |
| 25° | 2791 | 802 | 16  | 1    | 2    | 1299 |
| 35° | 2867 | 360 | 2   | 1    | 2    | 1767 |
| 45° | 1568 | 54  | 1   | 2    | 4    | 1159 |
| 55° | 24   | 1   | 2   | 4    | 6    | 93   |
| 65° | 2    | 1   | 2   | 4    | 6    | 1    |
| 75° | 1    | 1   | 2   | 3    | 4    | 1    |
| 85° | 0    | 1   | 2   | 1    | 2    | 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°    | 96.1   | 96.1   | 96.1   | 96.1   | 96.1   | 96.1   | 96.1   | 96.1   | 96.1   | 96.1  | 96.1  |
| 2.5°  | 166.7  | 170.8  | 169.2  | 168.4  | 167.6  | 164.3  | 156.9  | 156.1  | 148.7  | 143.7 | 119.1 |
| 5°    | 326.1  | 319.5  | 321.2  | 312.1  | 300.6  | 284.2  | 273.5  | 250.5  | 231.6  | 211.9 | 138.8 |
| 7.5°  | 614.4  | 605.3  | 588.1  | 561.8  | 534.7  | 499.4  | 446.0  | 403.3  | 354.0  | 307.2 | 154.4 |
| 10°   | 1037.4 | 1032.5 | 1010.3 | 942.9  | 883.8  | 789.3  | 700.6  | 607.0  | 515.0  | 424.6 | 165.1 |
| 12.5° | 1602.5 | 1568.8 | 1528.6 | 1439.0 | 1322.4 | 1204.1 | 1029.2 | 867.4  | 720.3  | 569.2 | 165.9 |
| 15°   | 2073.1 | 2051.8 | 1995.1 | 1878.5 | 1738.0 | 1567.2 | 1359.4 | 1141.7 | 919.9  | 706.4 | 157.7 |
| 17.5° | 2451.8 | 2418.9 | 2345.8 | 2231.6 | 2069.8 | 1848.1 | 1604.9 | 1339.6 | 1069.4 | 804.1 | 143.7 |
| 20°   | 2667.0 | 2649.7 | 2593.9 | 2479.7 | 2303.1 | 2060.8 | 1784.0 | 1475.2 | 1163.0 | 855.9 | 125.7 |
| 22.5° | 2775.4 | 2763.1 | 2722.0 | 2630.8 | 2465.7 | 2221.8 | 1904.7 | 1545.8 | 1190.2 | 850.1 | 106.8 |
| 25°   | 2791.0 | 2787.7 | 2752.4 | 2683.4 | 2545.4 | 2303.9 | 1957.3 | 1558.9 | 1168.0 | 802.5 | 88.7  |
| 27.5° | 2845.2 | 2833.7 | 2791.8 | 2722.8 | 2584.0 | 2317.9 | 1939.2 | 1513.8 | 1096.5 | 718.7 | 73.9  |
| 30°   | 2909.3 | 2901.0 | 2859.2 | 2787.7 | 2623.4 | 2304.7 | 1875.2 | 1413.6 | 982.3  | 611.1 | 55.0  |
| 32.5° | 2904.3 | 2901.0 | 2865.7 | 2790.2 | 2595.5 | 2227.5 | 1761.0 | 1263.3 | 827.1  | 482.1 | 34.5  |
| 35°   | 2867.4 | 2855.9 | 2811.5 | 2694.9 | 2436.2 | 2028.8 | 1544.2 | 1059.6 | 654.6  | 359.8 | 22.2  |
| 37.5° | 2778.7 | 2754.0 | 2679.3 | 2481.3 | 2151.1 | 1722.4 | 1257.5 | 818.1  | 463.2  | 240.7 | 14.0  |
| 40°   | 2544.6 | 2513.4 | 2363.1 | 2124.0 | 1778.2 | 1356.9 | 935.5  | 562.6  | 305.5  | 147.0 | 5.7   |
| 42.5° | 2110.9 | 2047.7 | 1897.3 | 1651.8 | 1327.3 | 959.4  | 614.4  | 364.7  | 179.9  | 88.7  | 1.6   |
| 45°   | 1568.0 | 1519.5 | 1361.8 | 1139.2 | 869.8  | 615.2  | 372.1  | 197.1  | 99.4   | 54.2  | 0.8   |
| 47.5° | 913.4  | 883.8  | 802.5  | 656.3  | 480.5  | 322.8  | 190.6  | 106.0  | 58.3   | 26.3  | 0.8   |
| 50°   | 478.0  | 441.1  | 379.5  | 287.5  | 211.9  | 148.7  | 92.8   | 56.7   | 28.7   | 8.2   | 0.8   |
| 52.5° | 167.6  | 165.1  | 150.3  | 113.3  | 92.0   | 66.5   | 45.2   | 24.6   | 8.2    | 1.6   | 0.8   |
| 55°   | 23.8   | 23.8   | 22.2   | 24.6   | 26.3   | 23.8   | 15.6   | 6.6    | 1.6    | 0.8   | 0.8   |
| 57.5° | 1.6    | 1.6    | 1.6    | 2.5    | 3.3    | 3.3    | 2.5    | 0.8    | 0.8    | 0.8   | 1.6   |
| 60°   | 1.6    | 1.6    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 62.5° | 1.6    | 1.6    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 65°   | 1.6    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 67.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 70°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.5   |
| 72.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.5   |
| 75°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.5   |
| 77.5° | 0.0    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 0.8    | 0.8   | 1.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 0.8   | 1.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8   | 1.6   |
| 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°    | 96.1 | 96.1   | 96.1 | 96.1   | 96.1 |
| 2.5°  | 95.3 | 76.4   | 60.8 | 53.4   | 50.9 |
| 5°    | 89.5 | 57.5   | 37.8 | 29.6   | 27.9 |
| 7.5°  | 79.7 | 41.1   | 23.0 | 16.4   | 15.6 |
| 10°   | 69.8 | 29.6   | 14.0 | 9.9    | 9.0  |
| 12.5° | 58.3 | 20.5   | 9.0  | 5.7    | 4.9  |
| 15°   | 48.5 | 14.0   | 4.9  | 4.1    | 3.3  |
| 17.5° | 38.6 | 9.0    | 3.3  | 2.5    | 3.3  |
| 20°   | 30.4 | 5.7    | 1.6  | 1.6    | 1.6  |
| 22.5° | 23.0 | 3.3    | 1.6  | 1.6    | 1.6  |
| 25°   | 16.4 | 1.6    | 0.8  | 0.8    | 1.6  |
| 27.5° | 11.5 | 0.8    | 0.8  | 0.8    | 1.6  |
| 30°   | 6.6  | 0.8    | 0.8  | 0.8    | 1.6  |
| 32.5° | 3.3  | 0.8    | 0.8  | 1.6    | 1.6  |
| 35°   | 1.6  | 0.8    | 0.8  | 1.6    | 1.6  |
| 37.5° | 0.8  | 0.8    | 0.8  | 1.6    | 2.5  |
| 40°   | 0.8  | 0.8    | 1.6  | 2.5    | 2.5  |
| 42.5° | 0.8  | 0.8    | 1.6  | 2.5    | 3.3  |
| 45°   | 0.8  | 1.6    | 2.5  | 3.3    | 4.1  |
| 47.5° | 1.6  | 1.6    | 3.3  | 4.1    | 4.9  |
| 50°   | 1.6  | 2.5    | 3.3  | 4.9    | 4.9  |
| 52.5° | 1.6  | 2.5    | 4.1  | 4.9    | 5.7  |
| 55°   | 1.6  | 3.3    | 4.1  | 5.7    | 5.7  |
| 57.5° | 2.5  | 3.3    | 4.1  | 5.7    | 5.7  |
| 60°   | 2.5  | 3.3    | 4.1  | 5.7    | 5.7  |
| 62.5° | 2.5  | 3.3    | 4.1  | 5.7    | 5.7  |
| 65°   | 2.5  | 3.3    | 4.1  | 5.7    | 5.7  |
| 67.5° | 2.5  | 3.3    | 4.1  | 4.9    | 5.7  |
| 70°   | 2.5  | 3.3    | 4.1  | 4.9    | 4.9  |
| 72.5° | 3.3  | 3.3    | 4.1  | 4.9    | 4.9  |
| 75°   | 2.5  | 3.3    | 3.3  | 4.1    | 4.1  |
| 77.5° | 2.5  | 2.5    | 2.5  | 3.3    | 3.3  |
| 80°   | 2.5  | 2.5    | 2.5  | 2.5    | 2.5  |
| 82.5° | 2.5  | 1.6    | 1.6  | 2.5    | 2.5  |
| 85°   | 2.5  | 1.6    | 0.8  | 1.6    | 1.6  |
| 87.5° | 1.6  | 1.6    | 0.8  | 0.8    | 0.8  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)