

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: P1316401

Luminaire Tested: P3SQAS17R359827DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R359827DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

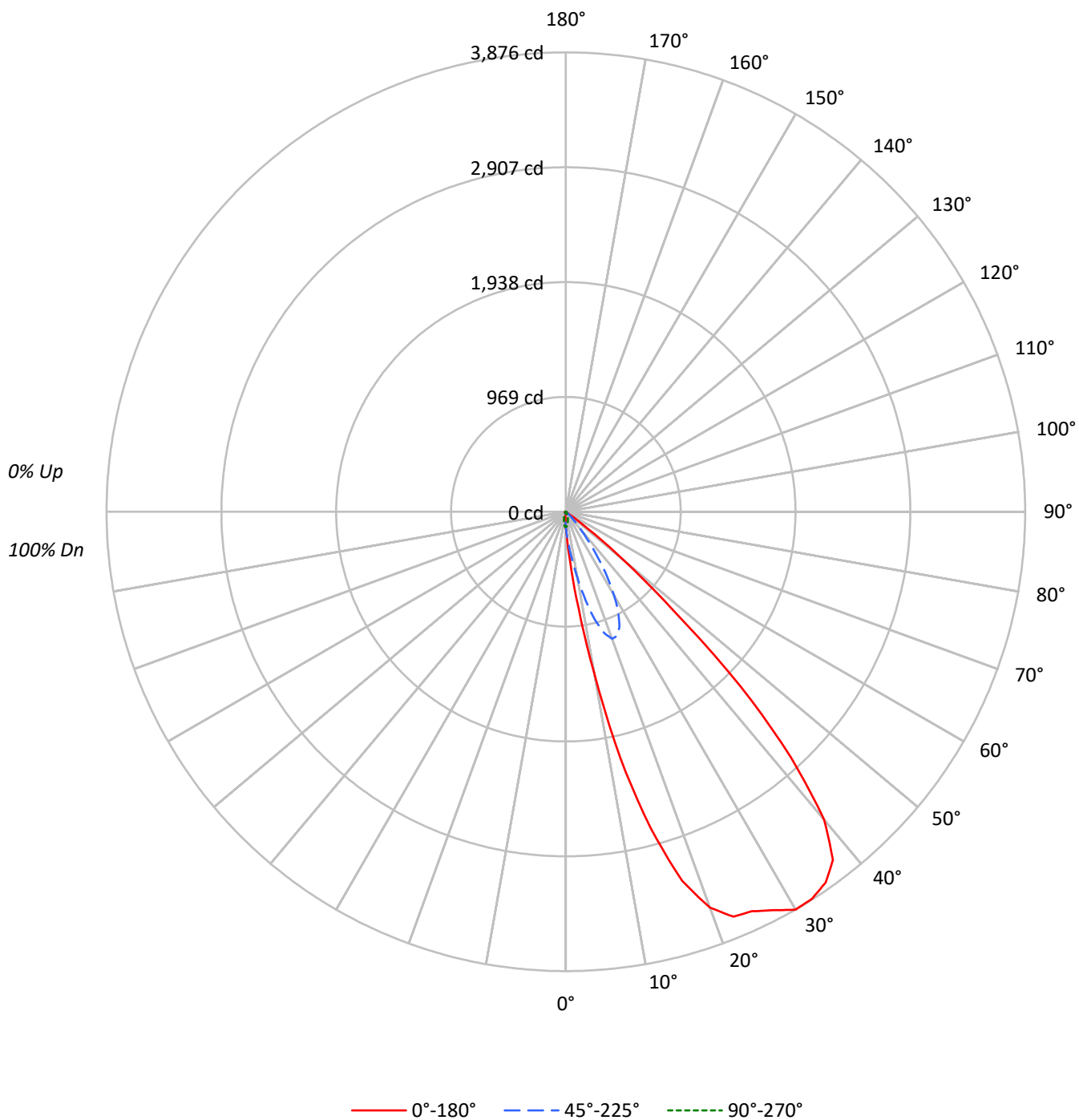
Lumens per Lamp: N/A  
Luminaire Lumens: 1219.1 lumens  
Efficiency: N/A  
Efficacy: 59.8 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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: P3SQAS17R359827DE010 E3SQCA301MW

### 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°  | 22044  | 22044  | 22044 | 22044 | 22044 |
| 5°  | 75099  | 48804  | 20625 | 8696  | 6431  |
| 10° | 241683 | 98929  | 16264 | 3253  | 2099  |
| 15° | 492441 | 167796 | 11518 | 1177  | 785   |
| 20° | 651178 | 208971 | 7423  | 403   | 403   |
| 25° | 706576 | 203158 | 4162  | 209   | 418   |
| 30° | 770763 | 161896 | 1750  | 219   | 438   |
| 35° | 803136 | 100770 | 463   | 231   | 463   |
| 40° | 762142 | 44042  | 247   | 495   | 742   |
| 45° | 508772 | 17585  | 268   | 804   | 1340  |
| 50° | 170645 | 2920   | 589   | 1179  | 1768  |
| 55° | 9518   | 330    | 661   | 1651  | 2312  |
| 60° | 758    | 379    | 1137  | 1894  | 2652  |
| 65° | 897    | 448    | 1345  | 2241  | 3138  |
| 70° | 554    | 554    | 1662  | 2769  | 3323  |
| 75° | 732    | 732    | 2196  | 2928  | 3660  |
| 80° | 0      | 1091   | 3273  | 3273  | 3273  |
| 85° | 0      | 2174   | 6521  | 2174  | 4347  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 508772 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.2   | 1.8       |
| 10°-20°   | 175.1  | 14.4      |
| 20°-30°   | 369.5  | 30.3      |
| 30°-40°   | 419.3  | 34.4      |
| 40°-50°   | 206.4  | 16.9      |
| 50°-60°   | 17.9   | 1.5       |
| 60°-70°   | 3.7    | 0.3       |
| 70°-80°   | 3.4    | 0.3       |
| 80°-90°   | 1.7    | 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°    | 566.8  | 46.5      |
| 0°-40°    | 986.1  | 80.9      |
| 0°-60°    | 1210.3 | 99.3      |
| 0°-90°    | 1219.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1219.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 128  | 128  | 128 | 128  | 128  |      |
| 5°  | 434  | 282  | 119 | 50   | 37   | 72   |
| 15° | 2762 | 941  | 65  | 7    | 4    | 785  |
| 25° | 3718 | 1069 | 22  | 1    | 2    | 1730 |
| 35° | 3820 | 479  | 2   | 1    | 2    | 2354 |
| 45° | 2089 | 72   | 1   | 3    | 6    | 1543 |
| 55° | 32   | 1    | 2   | 6    | 8    | 124  |
| 65° | 2    | 1    | 3   | 6    | 8    | 2    |
| 75° | 1    | 1    | 3   | 4    | 6    | 1    |
| 85° | 0    | 1    | 3   | 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°    | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0 |
| 2.5°  | 222.1  | 227.6  | 225.4  | 224.3  | 223.2  | 218.9  | 209.0  | 207.9  | 198.1  | 191.5  | 158.7 |
| 5°    | 434.4  | 425.7  | 427.9  | 415.8  | 400.5  | 378.6  | 364.4  | 333.7  | 308.6  | 282.3  | 184.9 |
| 7.5°  | 818.5  | 806.5  | 783.5  | 748.5  | 712.4  | 665.3  | 594.2  | 537.3  | 471.6  | 409.2  | 205.7 |
| 10°   | 1382.0 | 1375.5 | 1345.9 | 1256.2 | 1177.4 | 1051.6 | 933.4  | 808.7  | 686.1  | 565.7  | 219.9 |
| 12.5° | 2134.9 | 2090.0 | 2036.4 | 1917.1 | 1761.7 | 1604.2 | 1371.1 | 1155.5 | 959.7  | 758.3  | 221.0 |
| 15°   | 2761.9 | 2733.4 | 2657.9 | 2502.6 | 2315.4 | 2087.8 | 1811.0 | 1521.0 | 1225.6 | 941.1  | 210.1 |
| 17.5° | 3266.3 | 3222.6 | 3125.2 | 2973.1 | 2757.5 | 2462.1 | 2138.2 | 1784.7 | 1424.7 | 1071.3 | 191.5 |
| 20°   | 3553.0 | 3530.1 | 3455.6 | 3303.5 | 3068.3 | 2745.5 | 2376.7 | 1965.3 | 1549.5 | 1140.2 | 167.4 |
| 22.5° | 3697.5 | 3681.1 | 3626.3 | 3504.9 | 3284.9 | 2959.9 | 2537.6 | 2059.4 | 1585.6 | 1132.5 | 142.3 |
| 25°   | 3718.3 | 3713.9 | 3666.8 | 3574.9 | 3391.1 | 3069.4 | 2607.6 | 2076.9 | 1556.0 | 1069.1 | 118.2 |
| 27.5° | 3790.5 | 3775.2 | 3719.4 | 3627.4 | 3442.5 | 3088.0 | 2583.5 | 2016.7 | 1460.8 | 957.5  | 98.5  |
| 30°   | 3875.8 | 3864.9 | 3809.1 | 3713.9 | 3495.0 | 3070.5 | 2498.2 | 1883.2 | 1308.7 | 814.1  | 73.3  |
| 32.5° | 3869.3 | 3864.9 | 3817.8 | 3717.2 | 3457.8 | 2967.6 | 2346.1 | 1683.0 | 1101.9 | 642.3  | 46.0  |
| 35°   | 3820.0 | 3804.7 | 3745.6 | 3590.2 | 3245.5 | 2702.8 | 2057.2 | 1411.6 | 872.1  | 479.3  | 29.5  |
| 37.5° | 3701.9 | 3669.0 | 3569.4 | 3305.7 | 2865.8 | 2294.6 | 1675.3 | 1089.9 | 617.2  | 320.6  | 18.6  |
| 40°   | 3390.0 | 3348.4 | 3148.2 | 2829.7 | 2369.1 | 1807.7 | 1246.4 | 749.6  | 407.1  | 195.9  | 7.7   |
| 42.5° | 2812.2 | 2728.0 | 2527.7 | 2200.5 | 1768.3 | 1278.1 | 818.5  | 485.8  | 239.6  | 118.2  | 2.2   |
| 45°   | 2088.9 | 2024.4 | 1814.3 | 1517.7 | 1158.8 | 819.6  | 495.7  | 262.6  | 132.4  | 72.2   | 1.1   |
| 47.5° | 1216.8 | 1177.4 | 1069.1 | 874.3  | 640.1  | 430.0  | 253.9  | 141.2  | 77.7   | 35.0   | 1.1   |
| 50°   | 636.9  | 587.6  | 505.5  | 383.0  | 282.3  | 198.1  | 123.7  | 75.5   | 38.3   | 10.9   | 1.1   |
| 52.5° | 223.2  | 219.9  | 200.2  | 151.0  | 122.6  | 88.6   | 60.2   | 32.8   | 10.9   | 2.2    | 1.1   |
| 55°   | 31.7   | 31.7   | 29.5   | 32.8   | 35.0   | 31.7   | 20.8   | 8.8    | 2.2    | 1.1    | 1.1   |
| 57.5° | 2.2    | 2.2    | 2.2    | 3.3    | 4.4    | 4.4    | 3.3    | 1.1    | 1.1    | 1.1    | 2.2   |
| 60°   | 2.2    | 2.2    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 62.5° | 2.2    | 2.2    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 65°   | 2.2    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 67.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 70°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 3.3   |
| 72.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 3.3   |
| 75°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 3.3   |
| 77.5° | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 3.3   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 1.1    | 2.2   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1    | 2.2   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 2.2   |
| 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°    | 128.0 | 128.0  | 128.0 | 128.0  | 128.0 |
| 2.5°  | 126.9 | 101.8  | 81.0  | 71.1   | 67.8  |
| 5°    | 119.3 | 76.6   | 50.3  | 39.4   | 37.2  |
| 7.5°  | 106.1 | 54.7   | 30.6  | 21.9   | 20.8  |
| 10°   | 93.0  | 39.4   | 18.6  | 13.1   | 12.0  |
| 12.5° | 77.7  | 27.4   | 12.0  | 7.7    | 6.6   |
| 15°   | 64.6  | 18.6   | 6.6   | 5.5    | 4.4   |
| 17.5° | 51.4  | 12.0   | 4.4   | 3.3    | 4.4   |
| 20°   | 40.5  | 7.7    | 2.2   | 2.2    | 2.2   |
| 22.5° | 30.6  | 4.4    | 2.2   | 2.2    | 2.2   |
| 25°   | 21.9  | 2.2    | 1.1   | 1.1    | 2.2   |
| 27.5° | 15.3  | 1.1    | 1.1   | 1.1    | 2.2   |
| 30°   | 8.8   | 1.1    | 1.1   | 1.1    | 2.2   |
| 32.5° | 4.4   | 1.1    | 1.1   | 2.2    | 2.2   |
| 35°   | 2.2   | 1.1    | 1.1   | 2.2    | 2.2   |
| 37.5° | 1.1   | 1.1    | 1.1   | 2.2    | 3.3   |
| 40°   | 1.1   | 1.1    | 2.2   | 3.3    | 3.3   |
| 42.5° | 1.1   | 1.1    | 2.2   | 3.3    | 4.4   |
| 45°   | 1.1   | 2.2    | 3.3   | 4.4    | 5.5   |
| 47.5° | 2.2   | 2.2    | 4.4   | 5.5    | 6.6   |
| 50°   | 2.2   | 3.3    | 4.4   | 6.6    | 6.6   |
| 52.5° | 2.2   | 3.3    | 5.5   | 6.6    | 7.7   |
| 55°   | 2.2   | 4.4    | 5.5   | 7.7    | 7.7   |
| 57.5° | 3.3   | 4.4    | 5.5   | 7.7    | 7.7   |
| 60°   | 3.3   | 4.4    | 5.5   | 7.7    | 7.7   |
| 62.5° | 3.3   | 4.4    | 5.5   | 7.7    | 7.7   |
| 65°   | 3.3   | 4.4    | 5.5   | 7.7    | 7.7   |
| 67.5° | 3.3   | 4.4    | 5.5   | 6.6    | 7.7   |
| 70°   | 3.3   | 4.4    | 5.5   | 6.6    | 6.6   |
| 72.5° | 4.4   | 4.4    | 5.5   | 6.6    | 6.6   |
| 75°   | 3.3   | 4.4    | 4.4   | 5.5    | 5.5   |
| 77.5° | 3.3   | 3.3    | 3.3   | 4.4    | 4.4   |
| 80°   | 3.3   | 3.3    | 3.3   | 3.3    | 3.3   |
| 82.5° | 3.3   | 2.2    | 2.2   | 3.3    | 3.3   |
| 85°   | 3.3   | 2.2    | 1.1   | 2.2    | 2.2   |
| 87.5° | 2.2   | 2.2    | 1.1   | 1.1    | 1.1   |
| 90°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)