

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: P1307836

Luminaire Tested: P3SQAS09R309030DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R309030DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

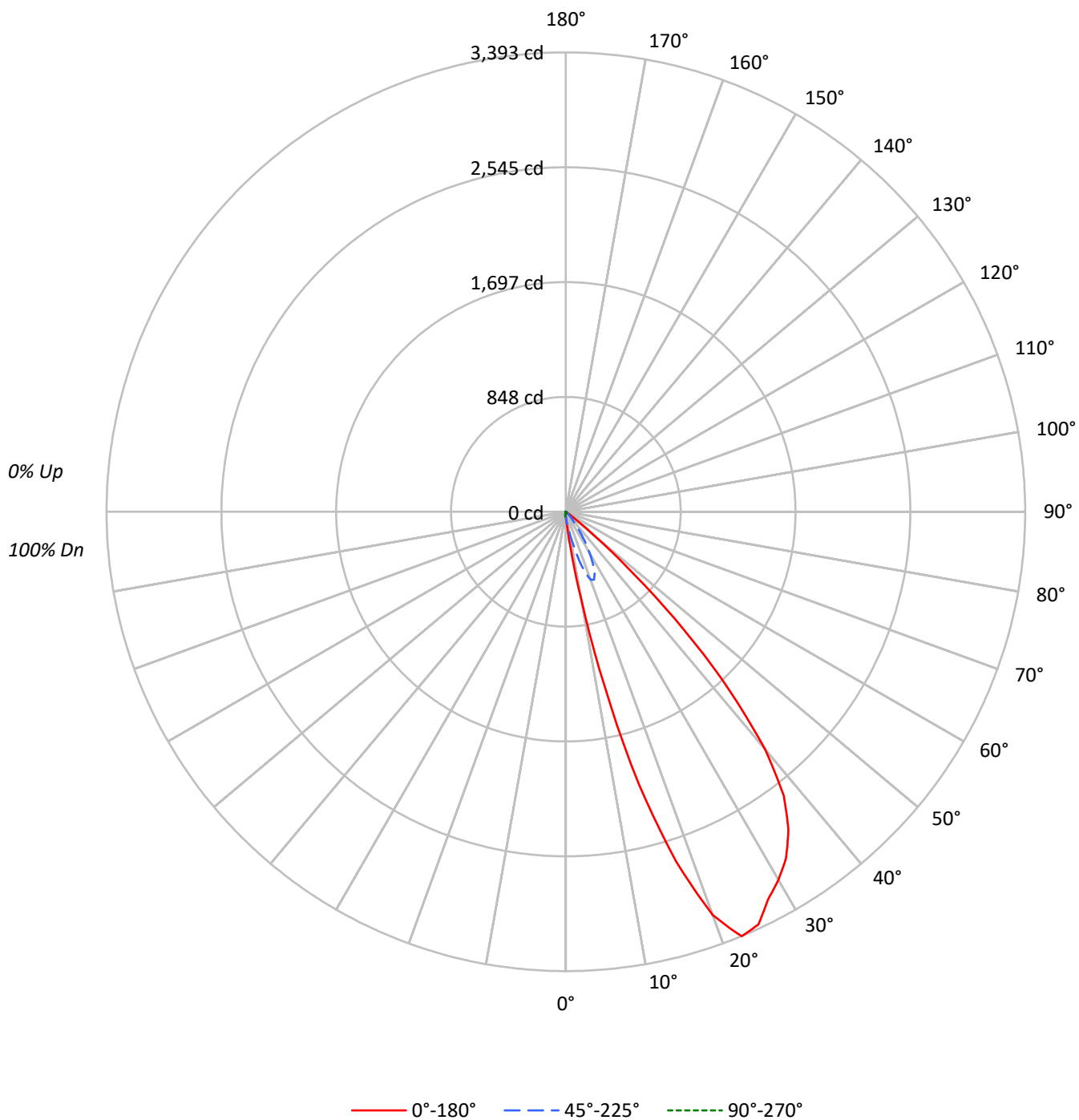
Lumens per Lamp: N/A  
Luminaire Lumens: 800.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 67  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 43  | 43  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 6544   | 6544  | 6544 | 6544 | 6544 |
| 5°  | 19708  | 13139 | 6189 | 2783 | 2282 |
| 10° | 114161 | 27876 | 4862 | 1277 | 892  |
| 15° | 371341 | 63207 | 3388 | 267  | 125  |
| 20° | 581057 | 97796 | 2144 | 0    | 0    |
| 25° | 639269 | 95564 | 1102 | 0    | 0    |
| 30° | 624378 | 68907 | 438  | 0    | 0    |
| 35° | 602625 | 39190 | 147  | 0    | 0    |
| 40° | 513918 | 16592 | 0    | 0    | 0    |
| 45° | 301600 | 6235  | 170  | 0    | 170  |
| 50° | 73252  | 1179  | 188  | 188  | 589  |
| 55° | 6366   | 0     | 450  | 661  | 871  |
| 60° | 241    | 0     | 517  | 758  | 1274 |
| 65° | 285    | 285   | 897  | 897  | 1508 |
| 70° | 352    | 352   | 1108 | 1108 | 1460 |
| 75° | 0      | 466   | 1464 | 1464 | 1464 |
| 80° | 0      | 694   | 2182 | 1488 | 1488 |
| 85° | 0      | 1383  | 4347 | 1383 | 1383 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 301600 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.0    | 0.9       |
| 10°-20°   | 110.0  | 13.7      |
| 20°-30°   | 279.4  | 34.9      |
| 30°-40°   | 278.5  | 34.8      |
| 40°-50°   | 112.8  | 14.1      |
| 50°-60°   | 7.8    | 1.0       |
| 60°-70°   | 1.8    | 0.2       |
| 70°-80°   | 1.8    | 0.2       |
| 80°-90°   | 1.0    | 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°    | 396.3  | 49.5      |
| 0°-40°    | 674.8  | 84.4      |
| 0°-60°    | 795.5  | 99.4      |
| 0°-90°    | 800.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 800.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 38   | 38  | 38  | 38   | 38   |      |
| 5°  | 114  | 76  | 36  | 16   | 13   | 26   |
| 15° | 2083 | 354 | 19  | 2    | 1    | 606  |
| 25° | 3364 | 503 | 6   | 0    | 0    | 1519 |
| 35° | 2866 | 186 | 1   | 0    | 0    | 1757 |
| 45° | 1238 | 26  | 1   | 0    | 1    | 945  |
| 55° | 21   | 0   | 2   | 2    | 3    | 55   |
| 65° | 1    | 1   | 2   | 2    | 4    | 1    |
| 75° | 0    | 1   | 2   | 2    | 2    | 0    |
| 85° | 0    | 1   | 2   | 1    | 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°    | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0  | 38.0  | 38.0  |
| 2.5°  | 62.9   | 63.6   | 63.6   | 62.1   | 61.4   | 61.4   | 59.2   | 58.5   | 56.3  | 54.1  | 46.8  |
| 5°    | 114.0  | 111.8  | 108.9  | 108.9  | 102.3  | 98.7   | 93.6   | 87.7   | 83.3  | 76.0  | 54.1  |
| 7.5°  | 258.8  | 241.2  | 236.1  | 229.5  | 204.7  | 184.9  | 162.3  | 142.5  | 124.3 | 108.9 | 59.9  |
| 10°   | 652.8  | 618.4  | 589.9  | 532.2  | 459.8  | 390.4  | 326.0  | 251.5  | 200.3 | 159.4 | 64.3  |
| 12.5° | 1315.1 | 1269.0 | 1214.2 | 1109.0 | 973.7  | 800.5  | 646.9  | 483.2  | 339.2 | 234.7 | 65.8  |
| 15°   | 2082.7 | 2004.4 | 1918.9 | 1785.1 | 1563.6 | 1315.1 | 1038.0 | 777.1  | 544.6 | 354.5 | 64.3  |
| 17.5° | 2708.4 | 2677.7 | 2551.2 | 2368.5 | 2097.3 | 1777.1 | 1435.7 | 1079.0 | 734.7 | 464.2 | 59.9  |
| 20°   | 3170.4 | 3149.2 | 2996.4 | 2802.0 | 2496.4 | 2129.5 | 1696.0 | 1267.6 | 867.0 | 533.6 | 53.4  |
| 22.5° | 3393.4 | 3389.7 | 3279.3 | 3080.5 | 2756.7 | 2340.7 | 1863.4 | 1376.5 | 907.9 | 543.1 | 44.6  |
| 25°   | 3364.1 | 3377.3 | 3314.4 | 3166.8 | 2856.1 | 2427.7 | 1913.1 | 1376.5 | 878.0 | 502.9 | 37.3  |
| 27.5° | 3231.1 | 3239.9 | 3200.4 | 3087.1 | 2797.6 | 2364.8 | 1843.6 | 1288.1 | 791.0 | 432.0 | 30.7  |
| 30°   | 3139.7 | 3143.4 | 3094.4 | 2973.0 | 2666.0 | 2221.6 | 1679.9 | 1124.3 | 659.4 | 346.5 | 22.7  |
| 32.5° | 3028.6 | 3027.9 | 2970.9 | 2832.0 | 2493.5 | 2020.5 | 1472.3 | 929.1  | 506.6 | 263.2 | 13.2  |
| 35°   | 2866.3 | 2848.0 | 2770.6 | 2610.5 | 2236.2 | 1750.1 | 1206.9 | 707.6  | 364.8 | 186.4 | 8.0   |
| 37.5° | 2643.4 | 2595.8 | 2486.2 | 2272.0 | 1875.1 | 1372.1 | 894.8  | 497.1  | 249.3 | 123.5 | 5.1   |
| 40°   | 2285.9 | 2235.4 | 2086.3 | 1826.1 | 1418.2 | 987.6  | 603.1  | 323.8  | 157.2 | 73.8  | 2.9   |
| 42.5° | 1792.5 | 1758.1 | 1557.1 | 1297.6 | 936.4  | 630.1  | 362.6  | 191.5  | 88.5  | 42.4  | 0.7   |
| 45°   | 1238.3 | 1193.8 | 1035.9 | 815.8  | 562.2  | 349.4  | 203.2  | 100.1  | 50.4  | 25.6  | 0.0   |
| 47.5° | 683.5  | 628.7  | 537.3  | 422.5  | 282.9  | 183.5  | 102.3  | 54.1   | 28.5  | 12.4  | 0.0   |
| 50°   | 273.4  | 271.2  | 215.6  | 153.5  | 108.2  | 83.3   | 51.2   | 29.2   | 14.6  | 4.4   | 0.7   |
| 52.5° | 95.8   | 95.8   | 82.6   | 67.3   | 52.6   | 38.0   | 25.6   | 13.9   | 5.1   | 1.5   | 0.7   |
| 55°   | 21.2   | 23.4   | 21.9   | 20.5   | 19.7   | 16.8   | 11.0   | 5.1    | 1.5   | 0.0   | 0.7   |
| 57.5° | 2.2    | 2.2    | 2.2    | 2.9    | 3.7    | 3.7    | 2.9    | 1.5    | 0.0   | 0.0   | 0.7   |
| 60°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.0    | 0.0   | 0.0   | 1.5   |
| 62.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.0    | 0.0    | 0.0    | 0.7   | 0.7   | 1.5   |
| 65°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 1.5   |
| 67.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 1.5   |
| 70°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 2.2   |
| 72.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 2.2   |
| 75°   | 0.0    | 0.0    | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 2.2   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 1.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7   | 0.7   | 1.5   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    | 0.7    | 0.7   | 0.7   | 1.5   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7   | 0.7   | 1.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7   | 0.7   | 1.5   |
| 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°    | 38.0 | 38.0   | 38.0 | 38.0   | 38.0 |
| 2.5°  | 38.0 | 30.0   | 24.9 | 21.9   | 21.2 |
| 5°    | 35.8 | 22.7   | 16.1 | 13.9   | 13.2 |
| 7.5°  | 32.2 | 16.8   | 11.0 | 8.8    | 8.0  |
| 10°   | 27.8 | 12.4   | 7.3  | 5.1    | 5.1  |
| 12.5° | 23.4 | 9.5    | 4.4  | 2.2    | 1.5  |
| 15°   | 19.0 | 5.8    | 1.5  | 0.7    | 0.7  |
| 17.5° | 14.6 | 3.7    | 0.0  | 0.0    | 0.0  |
| 20°   | 11.7 | 1.5    | 0.0  | 0.0    | 0.0  |
| 22.5° | 8.8  | 0.7    | 0.0  | 0.0    | 0.0  |
| 25°   | 5.8  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 3.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 2.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.7  | 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°   | 0.7  | 0.0    | 0.0  | 0.7    | 0.7  |
| 47.5° | 0.7  | 0.7    | 0.7  | 1.5    | 1.5  |
| 50°   | 0.7  | 0.7    | 0.7  | 1.5    | 2.2  |
| 52.5° | 1.5  | 0.7    | 1.5  | 2.2    | 2.2  |
| 55°   | 1.5  | 1.5    | 2.2  | 2.9    | 2.9  |
| 57.5° | 1.5  | 1.5    | 2.2  | 2.9    | 2.9  |
| 60°   | 1.5  | 1.5    | 2.2  | 2.9    | 3.7  |
| 62.5° | 2.2  | 2.2    | 2.2  | 2.9    | 2.9  |
| 65°   | 2.2  | 2.2    | 2.2  | 2.9    | 3.7  |
| 67.5° | 2.2  | 2.2    | 2.2  | 2.9    | 3.7  |
| 70°   | 2.2  | 2.2    | 2.2  | 2.9    | 2.9  |
| 72.5° | 2.9  | 2.2    | 2.2  | 2.9    | 2.9  |
| 75°   | 2.2  | 2.2    | 2.2  | 2.2    | 2.2  |
| 77.5° | 2.2  | 2.2    | 1.5  | 2.2    | 2.2  |
| 80°   | 2.2  | 1.5    | 1.5  | 1.5    | 1.5  |
| 82.5° | 2.2  | 1.5    | 1.5  | 1.5    | 1.5  |
| 85°   | 2.2  | 1.5    | 0.7  | 0.7    | 0.7  |
| 87.5° | 2.2  | 1.5    | 0.7  | 0.7    | 0.7  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)