

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: P1317622

Luminaire Tested: P3SQAS02R609835DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R609835DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

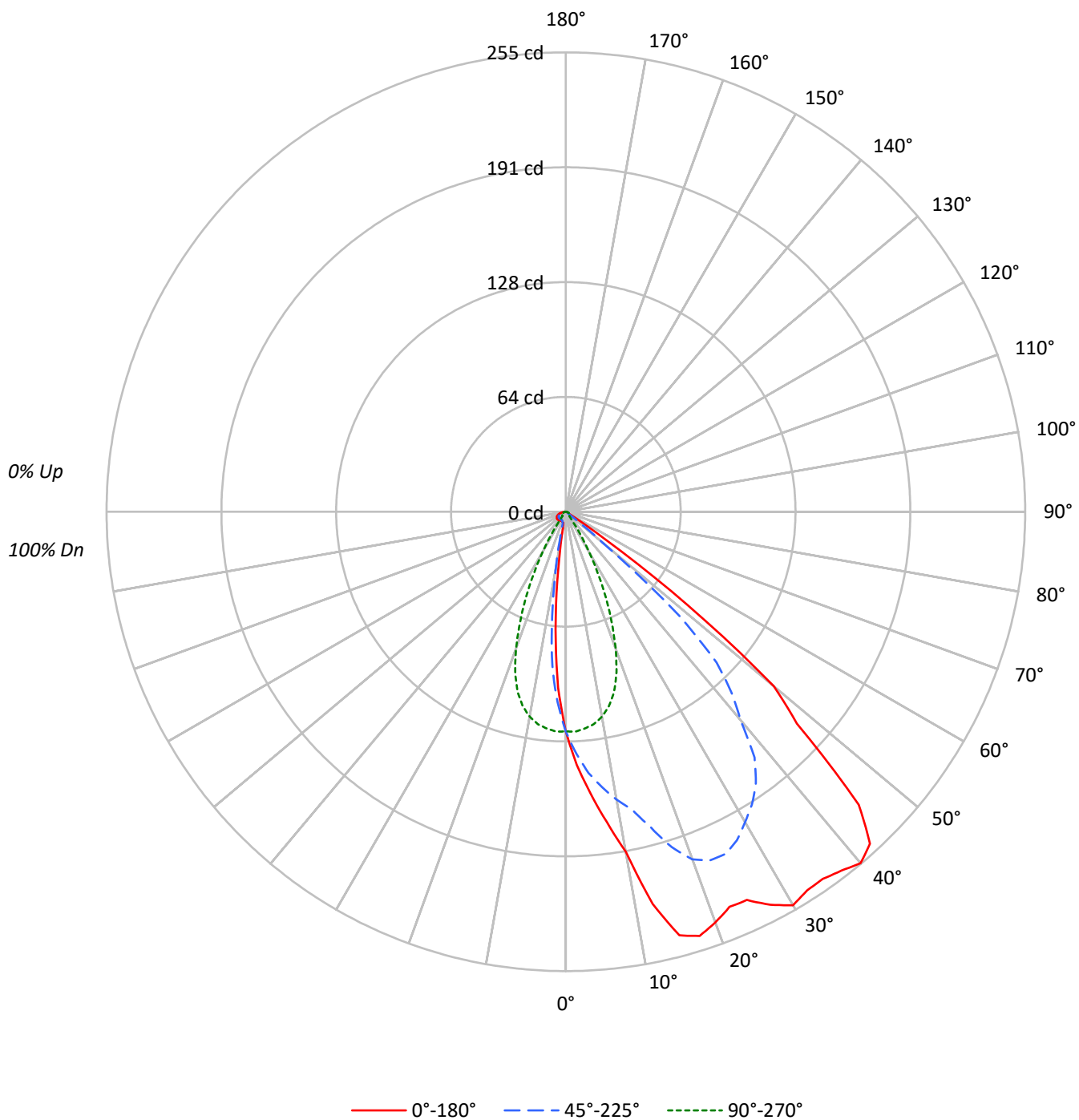
Lumens per Lamp: N/A  
Luminaire Lumens: 198.0 lumens  
Efficiency: N/A  
Efficacy: 55.0 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: P1317622

CATALOG NUMBER: P3SQAS02R609835DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1317622

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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   | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 92  | 92  | 92  | 90  |
| 2   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 88  | 94  | 90  | 86  | 90  | 87  | 85  | 88  | 85  | 83  | 83  | 83  | 81  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  | 83  | 79  | 75  | 81  | 77  | 74  | 74  | 74  | 72  |
| 4   | 91  | 82  | 75  | 70  | 89  | 80  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 67  | 67  | 65  |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 60  | 60  | 58  |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 61  | 55  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 54  | 54  | 52  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 49  | 49  | 47  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 45  | 45  | 43  |
| 9   | 65  | 54  | 46  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 41  | 41  | 39  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 41  | 38  | 38  | 38  | 36  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 20994 | 20994 | 20994 | 20994 | 20994 |
| 5°  | 27108 | 25171 | 20884 | 14868 | 11341 |
| 10° | 33507 | 28383 | 20199 | 5631  | 1661  |
| 15° | 43398 | 32290 | 18436 | 1230  | 1105  |
| 20° | 44463 | 37626 | 14827 | 1026  | 1063  |
| 25° | 45188 | 39830 | 9938  | 988   | 1064  |
| 30° | 50154 | 39554 | 5131  | 994   | 1114  |
| 35° | 52309 | 38664 | 1409  | 1051  | 1219  |
| 40° | 57239 | 33925 | 674   | 1124  | 1349  |
| 45° | 55994 | 28813 | 682   | 1218  | 1510  |
| 50° | 40377 | 7100  | 750   | 1340  | 1661  |
| 55° | 7747  | 450   | 781   | 1471  | 1862  |
| 60° | 379   | 448   | 758   | 1550  | 1998  |
| 65° | 367   | 448   | 774   | 1589  | 2119  |
| 70° | 352   | 453   | 755   | 1611  | 2165  |
| 75° | 399   | 466   | 732   | 1597  | 2262  |
| 80° | 198   | 595   | 694   | 1686  | 2182  |
| 85° | 395   | 395   | 790   | 1383  | 2174  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55994 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.6   | 5.4       |
| 10°-20°   | 29.3   | 14.8      |
| 20°-30°   | 45.0   | 22.7      |
| 30°-40°   | 52.8   | 26.7      |
| 40°-50°   | 42.4   | 21.4      |
| 50°-60°   | 13.2   | 6.6       |
| 60°-70°   | 2.5    | 1.3       |
| 70°-80°   | 1.7    | 0.8       |
| 80°-90°   | 0.6    | 0.3       |
| 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°    | 84.9   | 42.9      |
| 0°-40°    | 137.7  | 69.6      |
| 0°-60°    | 193.3  | 97.6      |
| 0°-90°    | 198.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 198.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 122 | 122 | 122 | 122  | 122  |      |
| 5°  | 157 | 146 | 121 | 86   | 66   | 16   |
| 15° | 243 | 181 | 103 | 7    | 6    | 67   |
| 25° | 238 | 210 | 52  | 5    | 6    | 112  |
| 35° | 249 | 184 | 7   | 5    | 6    | 157  |
| 45° | 230 | 118 | 3   | 5    | 6    | 165  |
| 55° | 26  | 2   | 3   | 5    | 6    | 41   |
| 65° | 1   | 1   | 2   | 4    | 5    | 1    |
| 75° | 1   | 1   | 1   | 2    | 3    | 1    |
| 85° | 0   | 0   | 0   | 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°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 |
| 2.5°  | 140.6 | 139.1 | 139.1 | 138.5 | 138.0 | 138.1 | 136.7 | 137.2 | 135.7 | 134.6 | 133.7 |
| 5°    | 156.8 | 155.0 | 154.8 | 153.8 | 152.9 | 152.2 | 150.3 | 149.2 | 146.9 | 145.6 | 142.8 |
| 7.5°  | 173.7 | 172.2 | 171.2 | 170.1 | 168.4 | 166.6 | 163.4 | 161.3 | 157.8 | 154.2 | 150.7 |
| 10°   | 191.6 | 190.3 | 188.2 | 186.9 | 182.3 | 179.3 | 175.0 | 172.2 | 166.9 | 162.3 | 156.8 |
| 12.5° | 223.0 | 222.3 | 218.3 | 215.7 | 209.0 | 203.0 | 193.7 | 186.2 | 176.8 | 169.2 | 161.9 |
| 15°   | 243.4 | 242.5 | 240.4 | 238.0 | 233.7 | 226.9 | 218.5 | 208.1 | 195.0 | 181.1 | 168.8 |
| 17.5° | 246.9 | 247.1 | 245.8 | 245.3 | 242.5 | 238.2 | 231.4 | 223.6 | 210.5 | 195.2 | 178.3 |
| 20°   | 242.6 | 244.1 | 243.8 | 244.9 | 245.4 | 243.8 | 239.3 | 231.6 | 220.2 | 205.3 | 186.4 |
| 22.5° | 237.4 | 238.7 | 238.3 | 240.4 | 243.6 | 245.3 | 243.8 | 237.6 | 226.0 | 209.4 | 190.9 |
| 25°   | 237.8 | 238.7 | 235.9 | 237.2 | 241.3 | 245.4 | 245.6 | 240.2 | 227.7 | 209.6 | 190.5 |
| 27.5° | 246.0 | 243.2 | 236.8 | 236.3 | 241.3 | 246.6 | 246.9 | 240.2 | 225.3 | 205.6 | 186.7 |
| 30°   | 252.2 | 250.1 | 243.0 | 242.1 | 246.9 | 250.5 | 248.6 | 238.2 | 219.5 | 198.9 | 181.3 |
| 32.5° | 249.2 | 249.6 | 246.6 | 249.6 | 255.9 | 257.4 | 249.6 | 233.3 | 211.4 | 192.4 | 175.0 |
| 35°   | 248.8 | 250.3 | 252.0 | 256.7 | 261.0 | 257.4 | 244.9 | 224.1 | 202.8 | 183.9 | 165.1 |
| 37.5° | 251.1 | 253.5 | 255.9 | 260.0 | 260.0 | 250.9 | 232.5 | 212.5 | 192.5 | 172.0 | 144.5 |
| 40°   | 254.6 | 256.1 | 256.9 | 256.5 | 251.4 | 238.0 | 218.5 | 198.5 | 179.5 | 150.9 | 130.9 |
| 42.5° | 249.9 | 249.7 | 249.0 | 245.8 | 236.5 | 218.9 | 200.8 | 184.5 | 154.4 | 136.1 | 113.3 |
| 45°   | 229.9 | 229.9 | 227.9 | 222.8 | 214.2 | 199.6 | 183.6 | 159.8 | 140.8 | 118.3 | 84.1  |
| 47.5° | 174.0 | 172.7 | 175.0 | 178.0 | 178.0 | 176.7 | 162.1 | 141.5 | 122.1 | 85.4  | 26.9  |
| 50°   | 150.7 | 148.6 | 145.8 | 146.4 | 146.0 | 147.5 | 138.1 | 122.6 | 90.3  | 26.5  | 1.9   |
| 52.5° | 85.2  | 89.0  | 98.1  | 111.0 | 116.8 | 118.9 | 113.1 | 93.3  | 30.5  | 1.7   | 1.5   |
| 55°   | 25.8  | 26.5  | 30.1  | 37.0  | 50.3  | 64.3  | 65.2  | 30.3  | 2.1   | 1.5   | 1.5   |
| 57.5° | 1.1   | 1.1   | 1.5   | 2.2   | 5.2   | 7.9   | 8.4   | 1.9   | 1.3   | 1.5   | 1.5   |
| 60°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.3   | 1.3   | 1.3   | 1.3   | 1.5   |
| 62.5° | 0.9   | 0.9   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.3   | 1.3   | 1.3   |
| 65°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 1.1   | 1.1   | 1.1   | 1.1   | 1.3   |
| 67.5° | 0.7   | 0.7   | 0.7   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 1.1   | 1.1   | 1.1   |
| 70°   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.9   | 0.9   | 0.9   | 0.9   |
| 72.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.9   |
| 75°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.7   | 0.7   | 0.7   | 0.7   |
| 77.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 80°   | 0.2   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.6   | 0.6   |
| 82.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 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):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 121.9 | 121.9 | 121.9 | 121.9 | 121.9  | 121.9 | 121.9  | 121.9 |
| 2.5°  | 132.4 | 130.9 | 129.2 | 122.1 | 115.2  | 105.8 | 99.5   | 97.6  |
| 5°    | 140.4 | 138.0 | 134.2 | 120.8 | 104.5  | 86.0  | 71.0   | 65.6  |
| 7.5°  | 147.1 | 143.4 | 138.1 | 118.9 | 91.8   | 58.3  | 37.6   | 31.8  |
| 10°   | 152.0 | 147.3 | 140.6 | 115.5 | 75.0   | 32.2  | 12.7   | 9.5   |
| 12.5° | 156.1 | 149.9 | 141.9 | 110.5 | 54.6   | 13.1  | 6.5    | 6.5   |
| 15°   | 158.9 | 151.4 | 142.4 | 103.4 | 35.3   | 6.9   | 6.2    | 6.2   |
| 17.5° | 162.8 | 153.1 | 142.4 | 93.5  | 19.3   | 6.0   | 6.0    | 6.0   |
| 20°   | 169.2 | 154.8 | 140.4 | 80.9  | 10.7   | 5.6   | 5.8    | 5.8   |
| 22.5° | 172.5 | 157.2 | 137.8 | 66.4  | 6.7    | 5.4   | 5.6    | 5.6   |
| 25°   | 173.3 | 156.8 | 132.2 | 52.3  | 5.4    | 5.2   | 5.4    | 5.6   |
| 27.5° | 170.7 | 154.2 | 124.7 | 38.1  | 4.9    | 5.0   | 5.4    | 5.6   |
| 30°   | 166.0 | 147.9 | 112.7 | 25.8  | 4.5    | 5.0   | 5.4    | 5.6   |
| 32.5° | 157.2 | 132.5 | 98.7  | 15.5  | 4.3    | 5.0   | 5.4    | 5.8   |
| 35°   | 137.6 | 116.5 | 82.6  | 6.7   | 4.1    | 5.0   | 5.6    | 5.8   |
| 37.5° | 123.4 | 100.4 | 63.9  | 3.4   | 4.1    | 5.0   | 5.6    | 6.0   |
| 40°   | 107.7 | 80.8  | 29.5  | 3.0   | 4.1    | 5.0   | 5.6    | 6.0   |
| 42.5° | 82.1  | 37.4  | 3.6   | 3.0   | 3.9    | 5.0   | 5.8    | 6.0   |
| 45°   | 29.9  | 3.9   | 1.9   | 2.8   | 3.9    | 5.0   | 5.8    | 6.2   |
| 47.5° | 2.2   | 1.5   | 1.7   | 2.8   | 3.9    | 5.0   | 5.8    | 6.2   |
| 50°   | 1.5   | 1.5   | 1.7   | 2.8   | 3.9    | 5.0   | 5.8    | 6.2   |
| 52.5° | 1.5   | 1.7   | 1.7   | 2.6   | 3.7    | 5.0   | 5.8    | 6.2   |
| 55°   | 1.5   | 1.7   | 1.7   | 2.6   | 3.7    | 4.9   | 5.8    | 6.2   |
| 57.5° | 1.5   | 1.5   | 1.7   | 2.4   | 3.6    | 4.7   | 5.8    | 6.0   |
| 60°   | 1.5   | 1.5   | 1.7   | 2.2   | 3.4    | 4.5   | 5.4    | 5.8   |
| 62.5° | 1.5   | 1.5   | 1.5   | 2.1   | 3.2    | 4.3   | 5.2    | 5.6   |
| 65°   | 1.3   | 1.3   | 1.5   | 1.9   | 2.8    | 3.9   | 4.9    | 5.2   |
| 67.5° | 1.1   | 1.3   | 1.3   | 1.7   | 2.6    | 3.6   | 4.5    | 4.9   |
| 70°   | 1.1   | 1.1   | 1.1   | 1.5   | 2.2    | 3.2   | 4.1    | 4.3   |
| 72.5° | 0.9   | 0.9   | 1.1   | 1.3   | 2.1    | 2.8   | 3.7    | 3.9   |
| 75°   | 0.7   | 0.9   | 0.9   | 1.1   | 1.7    | 2.4   | 3.2    | 3.4   |
| 77.5° | 0.7   | 0.7   | 0.7   | 0.9   | 1.5    | 2.1   | 2.6    | 2.8   |
| 80°   | 0.6   | 0.6   | 0.6   | 0.7   | 1.1    | 1.7   | 2.1    | 2.2   |
| 82.5° | 0.4   | 0.6   | 0.6   | 0.6   | 0.9    | 1.1   | 1.5    | 1.7   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.6    | 0.7   | 0.9    | 1.1   |
| 87.5° | 0.2   | 0.2   | 0.4   | 0.4   | 0.4    | 0.4   | 0.4    | 0.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)