

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: P1309764

Luminaire Tested: P3SQAS02R359040DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309764  
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: P3SQAS02R359040DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

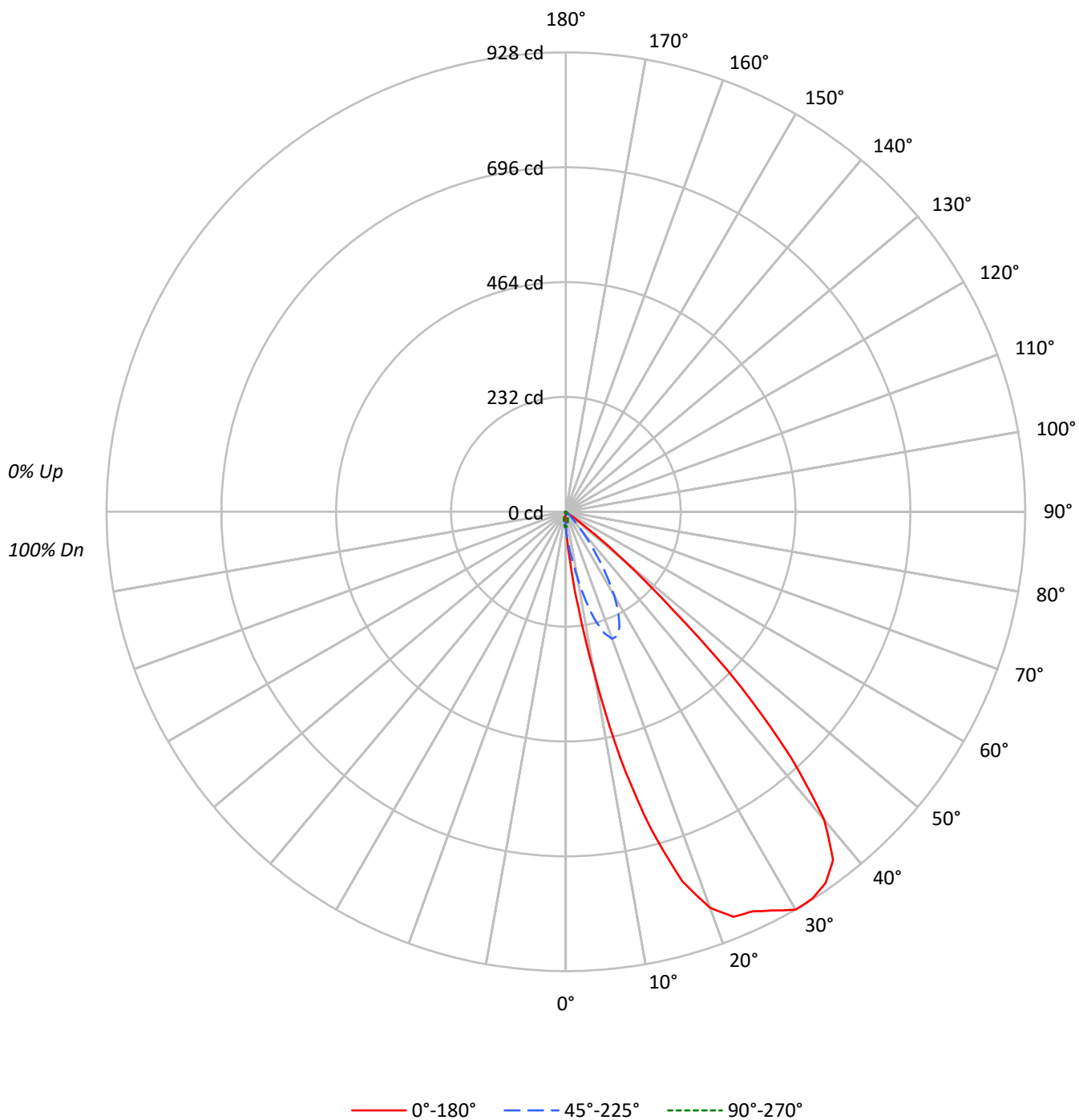
Lumens per Lamp: N/A  
Luminaire Lumens: 292.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| 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°  | 5287   | 5287  | 5287 | 5287 | 5287 |
| 5°  | 17997  | 11687 | 4944 | 2092 | 1539 |
| 10° | 57903  | 23696 | 3900 | 787  | 507  |
| 15° | 117962 | 40188 | 2764 | 285  | 178  |
| 20° | 155986 | 50053 | 1778 | 92   | 92   |
| 25° | 169257 | 48666 | 988  | 57   | 95   |
| 30° | 184627 | 38779 | 418  | 60   | 99   |
| 35° | 192395 | 24136 | 105  | 63   | 105  |
| 40° | 182554 | 10544 | 67   | 112  | 180  |
| 45° | 121877 | 4214  | 73   | 195  | 317  |
| 50° | 40886  | 697   | 134  | 268  | 429  |
| 55° | 2282   | 90    | 150  | 390  | 540  |
| 60° | 172    | 103   | 276  | 448  | 620  |
| 65° | 204    | 122   | 326  | 530  | 734  |
| 70° | 151    | 151   | 403  | 655  | 806  |
| 75° | 200    | 200   | 532  | 665  | 865  |
| 80° | 0      | 298   | 793  | 793  | 793  |
| 85° | 0      | 593   | 1581 | 593  | 988  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 121877 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.3    | 1.8       |
| 10°-20°   | 41.9   | 14.4      |
| 20°-30°   | 88.5   | 30.3      |
| 30°-40°   | 100.4  | 34.4      |
| 40°-50°   | 49.4   | 16.9      |
| 50°-60°   | 4.3    | 1.5       |
| 60°-70°   | 0.9    | 0.3       |
| 70°-80°   | 0.8    | 0.3       |
| 80°-90°   | 0.4    | 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°    | 135.8  | 46.5      |
| 0°-40°    | 236.2  | 80.9      |
| 0°-60°    | 289.9  | 99.3      |
| 0°-90°    | 292.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 292.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 31  | 31  | 31  | 31   | 31   |      |
| 5°  | 104 | 68  | 29  | 12   | 9    | 17   |
| 15° | 662 | 225 | 16  | 2    | 1    | 188  |
| 25° | 891 | 256 | 5   | 0    | 0    | 414  |
| 35° | 915 | 115 | 0   | 0    | 0    | 564  |
| 45° | 500 | 17  | 0   | 1    | 1    | 370  |
| 55° | 8   | 0   | 0   | 1    | 2    | 30   |
| 65° | 0   | 0   | 1   | 1    | 2    | 0    |
| 75° | 0   | 0   | 1   | 1    | 1    | 0    |
| 85° | 0   | 0   | 1   | 0    | 0    | 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°    | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  |
| 2.5°  | 53.2  | 54.5  | 54.0  | 53.7  | 53.5  | 52.4  | 50.1  | 49.8  | 47.4  | 45.9  | 38.0  |
| 5°    | 104.1 | 102.0 | 102.5 | 99.6  | 95.9  | 90.7  | 87.3  | 79.9  | 73.9  | 67.6  | 44.3  |
| 7.5°  | 196.1 | 193.2 | 187.7 | 179.3 | 170.6 | 159.4 | 142.3 | 128.7 | 113.0 | 98.0  | 49.3  |
| 10°   | 331.1 | 329.5 | 322.4 | 300.9 | 282.0 | 251.9 | 223.6 | 193.7 | 164.3 | 135.5 | 52.7  |
| 12.5° | 511.4 | 500.6 | 487.8 | 459.2 | 422.0 | 384.3 | 328.4 | 276.8 | 229.9 | 181.6 | 52.9  |
| 15°   | 661.6 | 654.8 | 636.7 | 599.5 | 554.6 | 500.1 | 433.8 | 364.3 | 293.6 | 225.4 | 50.3  |
| 17.5° | 782.4 | 771.9 | 748.6 | 712.2 | 660.5 | 589.8 | 512.2 | 427.5 | 341.3 | 256.6 | 45.9  |
| 20°   | 851.1 | 845.6 | 827.8 | 791.3 | 735.0 | 657.7 | 569.3 | 470.8 | 371.2 | 273.1 | 40.1  |
| 22.5° | 885.7 | 881.8 | 868.7 | 839.6 | 786.9 | 709.0 | 607.9 | 493.3 | 379.8 | 271.3 | 34.1  |
| 25°   | 890.7 | 889.6 | 878.4 | 856.3 | 812.3 | 735.2 | 624.6 | 497.5 | 372.7 | 256.1 | 28.3  |
| 27.5° | 908.0 | 904.3 | 890.9 | 868.9 | 824.6 | 739.7 | 618.9 | 483.1 | 349.9 | 229.4 | 23.6  |
| 30°   | 928.4 | 925.8 | 912.4 | 889.6 | 837.2 | 735.5 | 598.4 | 451.1 | 313.5 | 195.0 | 17.6  |
| 32.5° | 926.8 | 925.8 | 914.5 | 890.4 | 828.3 | 710.9 | 562.0 | 403.1 | 264.0 | 153.9 | 11.0  |
| 35°   | 915.1 | 911.4 | 897.2 | 860.0 | 777.4 | 647.4 | 492.8 | 338.1 | 208.9 | 114.8 | 7.1   |
| 37.5° | 886.7 | 878.9 | 855.0 | 791.9 | 686.5 | 549.7 | 401.3 | 261.1 | 147.8 | 76.8  | 4.5   |
| 40°   | 812.0 | 802.1 | 754.1 | 677.8 | 567.5 | 433.0 | 298.6 | 179.6 | 97.5  | 46.9  | 1.8   |
| 42.5° | 673.6 | 653.5 | 605.5 | 527.1 | 423.6 | 306.2 | 196.1 | 116.4 | 57.4  | 28.3  | 0.5   |
| 45°   | 500.4 | 484.9 | 434.6 | 363.6 | 277.6 | 196.3 | 118.7 | 62.9  | 31.7  | 17.3  | 0.3   |
| 47.5° | 291.5 | 282.0 | 256.1 | 209.4 | 153.3 | 103.0 | 60.8  | 33.8  | 18.6  | 8.4   | 0.3   |
| 50°   | 152.6 | 140.8 | 121.1 | 91.7  | 67.6  | 47.4  | 29.6  | 18.1  | 9.2   | 2.6   | 0.3   |
| 52.5° | 53.5  | 52.7  | 48.0  | 36.2  | 29.4  | 21.2  | 14.4  | 7.9   | 2.6   | 0.5   | 0.3   |
| 55°   | 7.6   | 7.6   | 7.1   | 7.9   | 8.4   | 7.6   | 5.0   | 2.1   | 0.5   | 0.3   | 0.3   |
| 57.5° | 0.5   | 0.5   | 0.5   | 0.8   | 1.0   | 1.0   | 0.8   | 0.3   | 0.3   | 0.3   | 0.5   |
| 60°   | 0.5   | 0.5   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 62.5° | 0.5   | 0.5   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 65°   | 0.5   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 67.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 70°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.8   |
| 72.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.8   |
| 75°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.8   |
| 77.5° | 0.0   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.8   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.3   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.5   |
| 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°    | 30.7 | 30.7   | 30.7 | 30.7   | 30.7 |
| 2.5°  | 30.4 | 24.4   | 19.4 | 17.0   | 16.3 |
| 5°    | 28.6 | 18.3   | 12.1 | 9.4    | 8.9  |
| 7.5°  | 25.4 | 13.1   | 7.3  | 5.2    | 5.0  |
| 10°   | 22.3 | 9.4    | 4.5  | 3.1    | 2.9  |
| 12.5° | 18.6 | 6.6    | 2.9  | 1.8    | 1.6  |
| 15°   | 15.5 | 4.5    | 1.6  | 1.3    | 1.0  |
| 17.5° | 12.3 | 2.9    | 1.0  | 0.8    | 1.0  |
| 20°   | 9.7  | 1.8    | 0.5  | 0.5    | 0.5  |
| 22.5° | 7.3  | 1.0    | 0.5  | 0.5    | 0.5  |
| 25°   | 5.2  | 0.5    | 0.3  | 0.3    | 0.5  |
| 27.5° | 3.7  | 0.3    | 0.3  | 0.3    | 0.5  |
| 30°   | 2.1  | 0.3    | 0.3  | 0.3    | 0.5  |
| 32.5° | 1.0  | 0.3    | 0.3  | 0.5    | 0.5  |
| 35°   | 0.5  | 0.3    | 0.3  | 0.5    | 0.5  |
| 37.5° | 0.3  | 0.3    | 0.3  | 0.5    | 0.8  |
| 40°   | 0.3  | 0.3    | 0.5  | 0.8    | 0.8  |
| 42.5° | 0.3  | 0.3    | 0.5  | 0.8    | 1.0  |
| 45°   | 0.3  | 0.5    | 0.8  | 1.0    | 1.3  |
| 47.5° | 0.5  | 0.5    | 1.0  | 1.3    | 1.6  |
| 50°   | 0.5  | 0.8    | 1.0  | 1.6    | 1.6  |
| 52.5° | 0.5  | 0.8    | 1.3  | 1.6    | 1.8  |
| 55°   | 0.5  | 1.0    | 1.3  | 1.8    | 1.8  |
| 57.5° | 0.8  | 1.0    | 1.3  | 1.8    | 1.8  |
| 60°   | 0.8  | 1.0    | 1.3  | 1.8    | 1.8  |
| 62.5° | 0.8  | 1.0    | 1.3  | 1.8    | 1.8  |
| 65°   | 0.8  | 1.0    | 1.3  | 1.8    | 1.8  |
| 67.5° | 0.8  | 1.0    | 1.3  | 1.6    | 1.8  |
| 70°   | 0.8  | 1.0    | 1.3  | 1.6    | 1.6  |
| 72.5° | 1.0  | 1.0    | 1.3  | 1.6    | 1.6  |
| 75°   | 0.8  | 1.0    | 1.0  | 1.3    | 1.3  |
| 77.5° | 0.8  | 0.8    | 0.8  | 1.0    | 1.0  |
| 80°   | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 82.5° | 0.8  | 0.5    | 0.5  | 0.8    | 0.8  |
| 85°   | 0.8  | 0.5    | 0.3  | 0.5    | 0.5  |
| 87.5° | 0.5  | 0.5    | 0.3  | 0.3    | 0.3  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)