

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: P1341505

Luminaire Tested: P3A09R309827DE010 E3A301WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1341505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R309827DE010 E3A301WH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

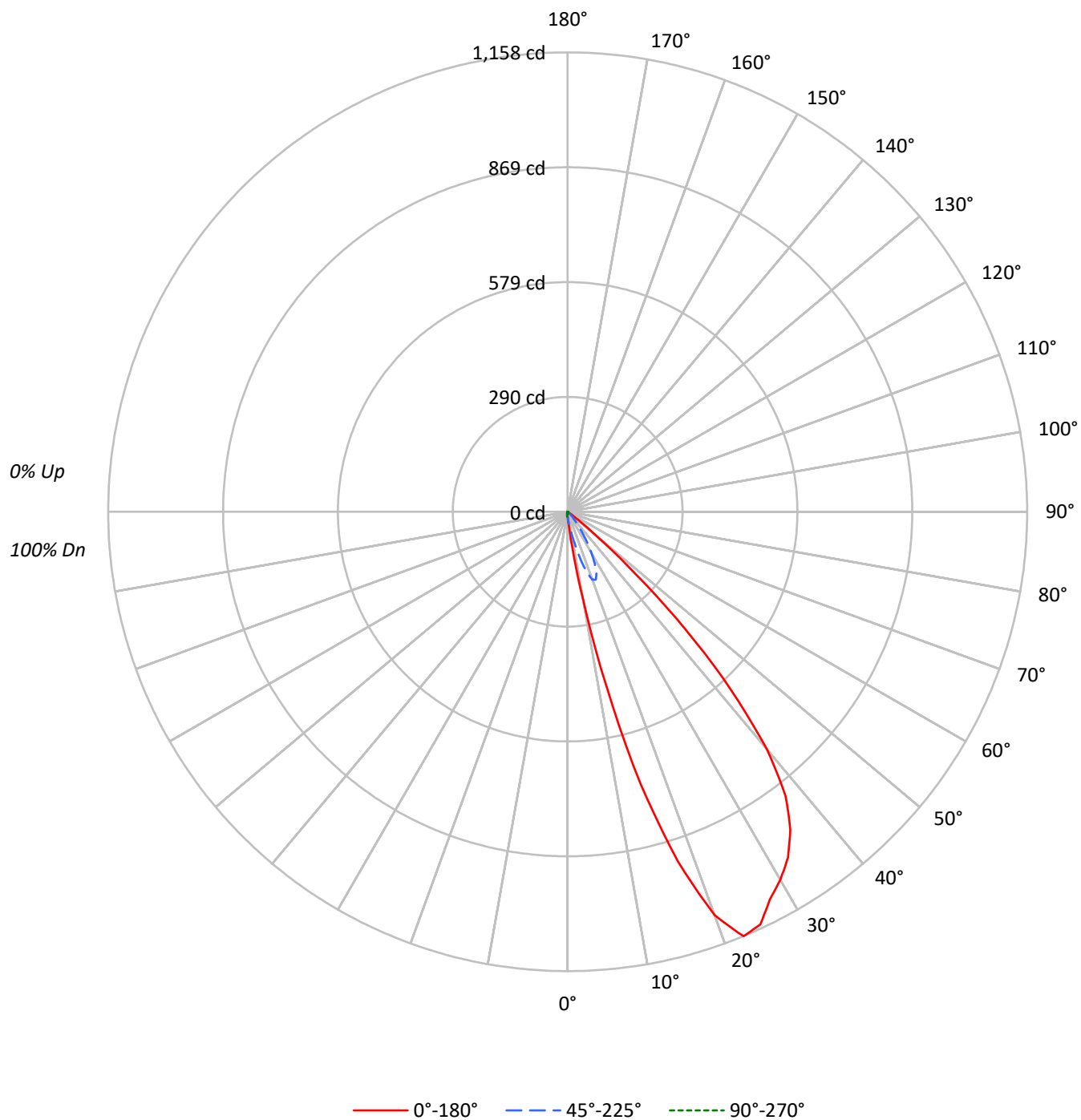
Lumens per Lamp: N/A  
Luminaire Lumens: 272.9 lumens  
Efficiency: N/A  
Efficacy: 24.8 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P3A09R309827DE010 E3A301WH

### 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  | 104 | 98  | 94  | 91  | 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  | 53  | 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°  | 2851   | 2851  | 2851 | 2851 | 2851 |
| 5°  | 8563   | 5701  | 2685 | 1211 | 991  |
| 10° | 49609  | 12113 | 2115 | 557  | 379  |
| 15° | 161340 | 27469 | 1476 | 114  | 45   |
| 20° | 252465 | 42494 | 933  | 0    | 0    |
| 25° | 277758 | 41519 | 484  | 0    | 0    |
| 30° | 271282 | 29929 | 177  | 0    | 0    |
| 35° | 261830 | 17025 | 54   | 0    | 0    |
| 40° | 223304 | 7214  | 0    | 0    | 0    |
| 45° | 131052 | 2698  | 62   | 0    | 62   |
| 50° | 31828  | 512   | 68   | 68   | 239  |
| 55° | 2753   | 0     | 191  | 268  | 382  |
| 60° | 88     | 0     | 219  | 307  | 526  |
| 65° | 104    | 104   | 363  | 363  | 623  |
| 70° | 128    | 128   | 449  | 449  | 641  |
| 75° | 0      | 169   | 593  | 593  | 593  |
| 80° | 0      | 253   | 884  | 631  | 631  |
| 85° | 0      | 503   | 1761 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 131052 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.4    | 0.9       |
| 10°-20°   | 37.5   | 13.8      |
| 20°-30°   | 95.3   | 34.9      |
| 30°-40°   | 95.0   | 34.8      |
| 40°-50°   | 38.5   | 14.1      |
| 50°-60°   | 2.6    | 1.0       |
| 60°-70°   | 0.6    | 0.2       |
| 70°-80°   | 0.6    | 0.2       |
| 80°-90°   | 0.3    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 135.3  | 49.6      |
| 0°-40°    | 230.3  | 84.4      |
| 0°-60°    | 271.4  | 99.5      |
| 0°-90°    | 272.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 272.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 13   | 13  | 13  | 13   | 13   |      |
| 5°  | 39   | 26  | 12  | 6    | 4    | 9    |
| 15° | 711  | 121 | 6   | 0    | 0    | 207  |
| 25° | 1148 | 172 | 2   | 0    | 0    | 518  |
| 35° | 978  | 64  | 0   | 0    | 0    | 600  |
| 45° | 423  | 9   | 0   | 0    | 0    | 322  |
| 55° | 7    | 0   | 0   | 1    | 1    | 19   |
| 65° | 0    | 0   | 1   | 1    | 1    | 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°    | 13.0   | 13.0   | 13.0   | 13.0   | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  |
| 2.5°  | 21.5   | 21.7   | 21.7   | 21.2   | 21.0  | 21.0  | 20.2  | 20.0  | 19.2  | 18.5  | 16.0  |
| 5°    | 38.9   | 38.2   | 37.2   | 37.2   | 34.9  | 33.7  | 31.9  | 29.9  | 28.4  | 25.9  | 18.5  |
| 7.5°  | 88.3   | 82.3   | 80.6   | 78.3   | 69.8  | 63.1  | 55.4  | 48.6  | 42.4  | 37.2  | 20.5  |
| 10°   | 222.8  | 211.0  | 201.3  | 181.6  | 156.9 | 133.2 | 111.3 | 85.8  | 68.4  | 54.4  | 22.0  |
| 12.5° | 448.8  | 433.1  | 414.4  | 378.4  | 332.3 | 273.2 | 220.8 | 164.9 | 115.7 | 80.1  | 22.5  |
| 15°   | 710.7  | 684.0  | 654.8  | 609.2  | 533.6 | 448.8 | 354.2 | 265.2 | 185.8 | 121.0 | 22.0  |
| 17.5° | 924.2  | 913.8  | 870.6  | 808.2  | 715.7 | 606.4 | 489.9 | 368.2 | 250.7 | 158.4 | 20.5  |
| 20°   | 1081.9 | 1074.7 | 1022.5 | 956.2  | 851.9 | 726.7 | 578.7 | 432.6 | 295.9 | 182.1 | 18.2  |
| 22.5° | 1158.0 | 1156.7 | 1119.1 | 1051.2 | 940.7 | 798.8 | 635.9 | 469.7 | 309.8 | 185.3 | 15.2  |
| 25°   | 1148.0 | 1152.5 | 1131.0 | 1080.7 | 974.6 | 828.5 | 652.8 | 469.7 | 299.6 | 171.6 | 12.7  |
| 27.5° | 1102.6 | 1105.6 | 1092.1 | 1053.5 | 954.7 | 807.0 | 629.1 | 439.5 | 269.9 | 147.4 | 10.5  |
| 30°   | 1071.4 | 1072.7 | 1056.0 | 1014.6 | 909.8 | 758.1 | 573.3 | 383.7 | 225.0 | 118.2 | 7.7   |
| 32.5° | 1033.5 | 1033.3 | 1013.8 | 966.4  | 850.9 | 689.5 | 502.4 | 317.1 | 172.9 | 89.8  | 4.5   |
| 35°   | 978.1  | 971.9  | 945.5  | 890.8  | 763.1 | 597.2 | 411.9 | 241.5 | 124.5 | 63.6  | 2.7   |
| 37.5° | 902.0  | 885.8  | 848.4  | 775.3  | 639.9 | 468.2 | 305.3 | 169.6 | 85.1  | 42.2  | 1.7   |
| 40°   | 780.1  | 762.8  | 712.0  | 623.1  | 484.0 | 337.0 | 205.8 | 110.5 | 53.6  | 25.2  | 1.0   |
| 42.5° | 611.7  | 600.0  | 531.3  | 442.8  | 319.6 | 215.0 | 123.7 | 65.4  | 30.2  | 14.5  | 0.2   |
| 45°   | 422.6  | 407.4  | 353.5  | 278.4  | 191.8 | 119.2 | 69.3  | 34.2  | 17.2  | 8.7   | 0.0   |
| 47.5° | 233.2  | 214.5  | 183.4  | 144.2  | 96.5  | 62.6  | 34.9  | 18.5  | 9.7   | 4.2   | 0.0   |
| 50°   | 93.3   | 92.5   | 73.6   | 52.4   | 36.9  | 28.4  | 17.5  | 10.0  | 5.0   | 1.5   | 0.2   |
| 52.5° | 32.7   | 32.7   | 28.2   | 23.0   | 18.0  | 13.0  | 8.7   | 4.7   | 1.7   | 0.5   | 0.2   |
| 55°   | 7.2    | 8.0    | 7.5    | 7.0    | 6.7   | 5.7   | 3.7   | 1.7   | 0.5   | 0.0   | 0.2   |
| 57.5° | 0.7    | 0.7    | 0.7    | 1.0    | 1.2   | 1.2   | 1.0   | 0.5   | 0.0   | 0.0   | 0.2   |
| 60°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.5   |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 75°   | 0.0    | 0.0    | 0.2    | 0.2    | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.5   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 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°    | 13.0 | 13.0   | 13.0 | 13.0   | 13.0 |
| 2.5°  | 13.0 | 10.2   | 8.5  | 7.5    | 7.2  |
| 5°    | 12.2 | 7.7    | 5.5  | 4.7    | 4.5  |
| 7.5°  | 11.0 | 5.7    | 3.7  | 3.0    | 2.7  |
| 10°   | 9.5  | 4.2    | 2.5  | 1.7    | 1.7  |
| 12.5° | 8.0  | 3.2    | 1.5  | 0.7    | 0.5  |
| 15°   | 6.5  | 2.0    | 0.5  | 0.2    | 0.2  |
| 17.5° | 5.0  | 1.2    | 0.0  | 0.0    | 0.0  |
| 20°   | 4.0  | 0.5    | 0.0  | 0.0    | 0.0  |
| 22.5° | 3.0  | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 2.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 1.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.2  | 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°   | 0.2  | 0.0    | 0.0  | 0.2    | 0.2  |
| 47.5° | 0.2  | 0.2    | 0.2  | 0.5    | 0.5  |
| 50°   | 0.2  | 0.2    | 0.2  | 0.5    | 0.7  |
| 52.5° | 0.5  | 0.2    | 0.5  | 0.7    | 0.7  |
| 55°   | 0.5  | 0.5    | 0.7  | 1.0    | 1.0  |
| 57.5° | 0.5  | 0.5    | 0.7  | 1.0    | 1.0  |
| 60°   | 0.5  | 0.5    | 0.7  | 1.0    | 1.2  |
| 62.5° | 0.7  | 0.7    | 0.7  | 1.0    | 1.0  |
| 65°   | 0.7  | 0.7    | 0.7  | 1.0    | 1.2  |
| 67.5° | 0.7  | 0.7    | 0.7  | 1.0    | 1.2  |
| 70°   | 0.7  | 0.7    | 0.7  | 1.0    | 1.0  |
| 72.5° | 1.0  | 0.7    | 0.7  | 1.0    | 1.0  |
| 75°   | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 77.5° | 0.7  | 0.7    | 0.5  | 0.7    | 0.7  |
| 80°   | 0.7  | 0.5    | 0.5  | 0.5    | 0.5  |
| 82.5° | 0.7  | 0.5    | 0.5  | 0.5    | 0.5  |
| 85°   | 0.7  | 0.5    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.7  | 0.5    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)