

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: P1335438

Luminaire Tested: P3A02R359740DE010 E3A301WMH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R359740DE010 E3A301WMH  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

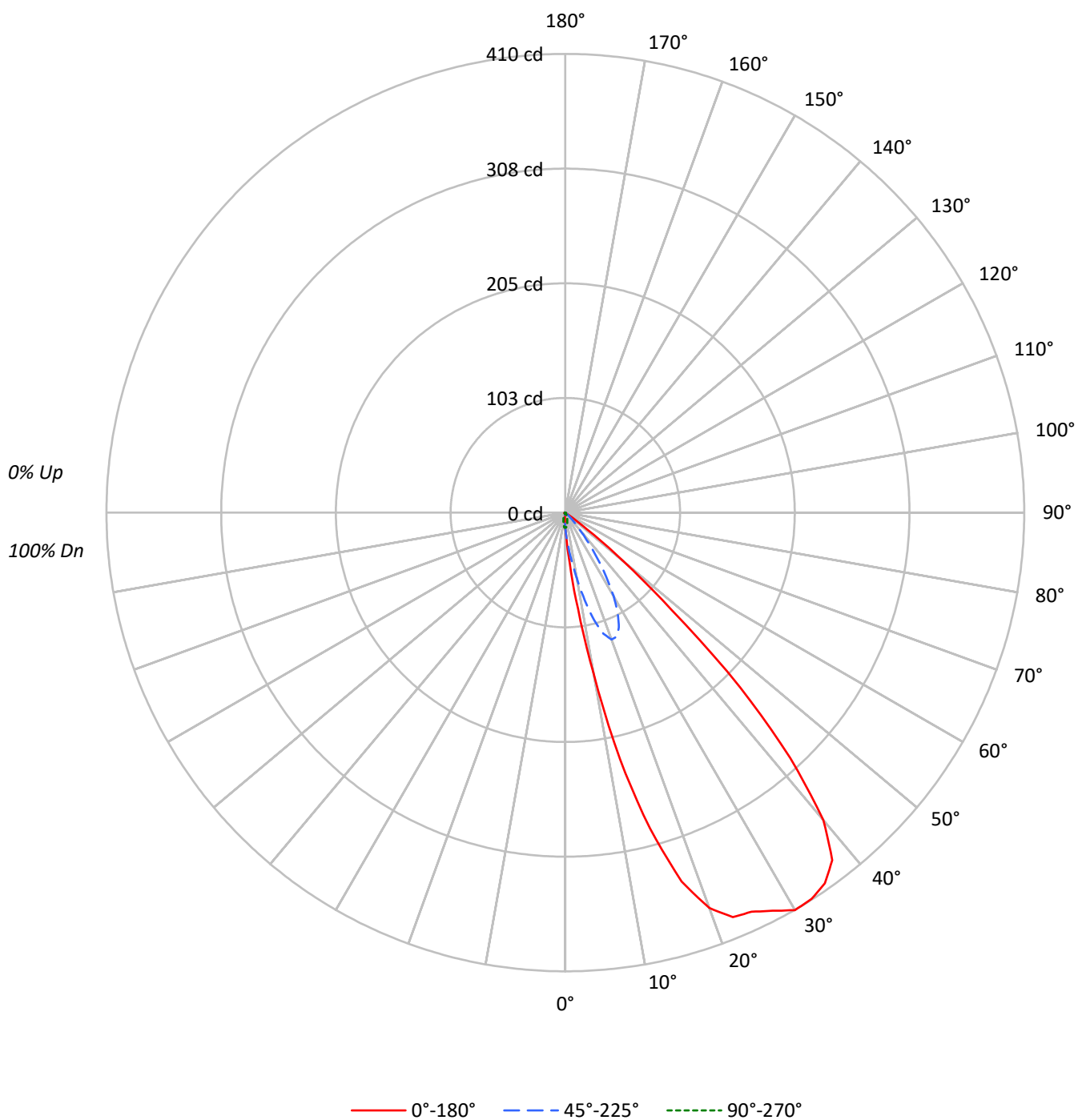
Lumens per Lamp: N/A  
Luminaire Lumens: 128.9 lumens  
Efficiency: N/A  
Efficacy: 35.8 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 93  | 93  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 84  | 84  | 83  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 76  | 76  | 74  |
| 4   | 92  | 84  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 69  | 69  | 67  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 61  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 56  | 56  | 55  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 51  | 51  | 49  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 46  | 46  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 42  | 42  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2960   | 2960  | 2960 | 2960 | 2960 |
| 5°  | 10125  | 6582  | 2773 | 1167 | 858  |
| 10° | 32576  | 13338 | 2182 | 445  | 289  |
| 15° | 66357  | 22611 | 1544 | 159  | 114  |
| 20° | 87741  | 28166 | 1003 | 47   | 47   |
| 25° | 95207  | 27364 | 556  | 24   | 48   |
| 30° | 103864 | 21826 | 228  | 25   | 51   |
| 35° | 108228 | 13572 | 54   | 27   | 54   |
| 40° | 102678 | 5925  | 29   | 57   | 86   |
| 45° | 68565  | 2357  | 31   | 93   | 186  |
| 50° | 22993  | 409   | 68   | 171  | 239  |
| 55° | 1300   | 38    | 76   | 229  | 306  |
| 60° | 88     | 44    | 132  | 263  | 351  |
| 65° | 104    | 52    | 156  | 311  | 415  |
| 70° | 64     | 64    | 192  | 385  | 449  |
| 75° | 85     | 85    | 254  | 424  | 508  |
| 80° | 0      | 126   | 379  | 379  | 379  |
| 85° | 0      | 252   | 755  | 252  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68565 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.4    | 1.8       |
| 10°-20°   | 18.5   | 14.4      |
| 20°-30°   | 39.1   | 30.3      |
| 30°-40°   | 44.4   | 34.4      |
| 40°-50°   | 21.8   | 16.9      |
| 50°-60°   | 1.9    | 1.5       |
| 60°-70°   | 0.4    | 0.3       |
| 70°-80°   | 0.3    | 0.3       |
| 80°-90°   | 0.2    | 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°    | 60.0   | 46.5      |
| 0°-40°    | 104.3  | 80.9      |
| 0°-60°    | 128.1  | 99.3      |
| 0°-90°    | 128.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 128.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 14  | 14  | 14  | 14   | 14   |      |
| 5°  | 46  | 30  | 13  | 5    | 4    | 8    |
| 15° | 292 | 100 | 7   | 1    | 0    | 83   |
| 25° | 394 | 113 | 2   | 0    | 0    | 183  |
| 35° | 404 | 51  | 0   | 0    | 0    | 249  |
| 45° | 221 | 8   | 0   | 0    | 1    | 163  |
| 55° | 3   | 0   | 0   | 1    | 1    | 13   |
| 65° | 0   | 0   | 0   | 1    | 1    | 0    |
| 75° | 0   | 0   | 0   | 0    | 1    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1335438

CATALOG NUMBER: P3A02R359740DE010 E3A301WMH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  |
| 2.5°  | 23.5  | 24.1  | 23.9  | 23.7  | 23.6  | 23.2  | 22.1  | 22.0  | 21.0  | 20.3  | 16.8  |
| 5°    | 46.0  | 45.0  | 45.3  | 44.0  | 42.4  | 40.1  | 38.6  | 35.3  | 32.7  | 29.9  | 19.6  |
| 7.5°  | 86.6  | 85.3  | 82.9  | 79.2  | 75.4  | 70.4  | 62.9  | 56.9  | 49.9  | 43.3  | 21.8  |
| 10°   | 146.3 | 145.6 | 142.4 | 132.9 | 124.6 | 111.3 | 98.8  | 85.6  | 72.6  | 59.9  | 23.3  |
| 12.5° | 225.9 | 221.2 | 215.5 | 202.9 | 186.4 | 169.8 | 145.1 | 122.3 | 101.6 | 80.2  | 23.4  |
| 15°   | 292.3 | 289.3 | 281.3 | 264.8 | 245.0 | 220.9 | 191.6 | 161.0 | 129.7 | 99.6  | 22.2  |
| 17.5° | 345.7 | 341.0 | 330.7 | 314.6 | 291.8 | 260.5 | 226.3 | 188.9 | 150.8 | 113.4 | 20.3  |
| 20°   | 376.0 | 373.6 | 365.7 | 349.6 | 324.7 | 290.5 | 251.5 | 208.0 | 164.0 | 120.7 | 17.7  |
| 22.5° | 391.3 | 389.5 | 383.8 | 370.9 | 347.6 | 313.2 | 268.5 | 217.9 | 167.8 | 119.9 | 15.1  |
| 25°   | 393.5 | 393.0 | 388.0 | 378.3 | 358.9 | 324.8 | 275.9 | 219.8 | 164.7 | 113.1 | 12.5  |
| 27.5° | 401.1 | 399.5 | 393.6 | 383.9 | 364.3 | 326.8 | 273.4 | 213.4 | 154.6 | 101.3 | 10.4  |
| 30°   | 410.2 | 409.0 | 403.1 | 393.0 | 369.9 | 324.9 | 264.4 | 199.3 | 138.5 | 86.2  | 7.8   |
| 32.5° | 409.5 | 409.0 | 404.0 | 393.4 | 365.9 | 314.0 | 248.3 | 178.1 | 116.6 | 68.0  | 4.9   |
| 35°   | 404.3 | 402.6 | 396.4 | 379.9 | 343.5 | 286.0 | 217.7 | 149.4 | 92.3  | 50.7  | 3.1   |
| 37.5° | 391.7 | 388.3 | 377.7 | 349.8 | 303.3 | 242.8 | 177.3 | 115.3 | 65.3  | 33.9  | 2.0   |
| 40°   | 358.7 | 354.3 | 333.2 | 299.5 | 250.7 | 191.3 | 131.9 | 79.3  | 43.1  | 20.7  | 0.8   |
| 42.5° | 297.6 | 288.7 | 267.5 | 232.9 | 187.1 | 135.3 | 86.6  | 51.4  | 25.4  | 12.5  | 0.2   |
| 45°   | 221.1 | 214.2 | 192.0 | 160.6 | 122.6 | 86.7  | 52.5  | 27.8  | 14.0  | 7.6   | 0.1   |
| 47.5° | 128.8 | 124.6 | 113.1 | 92.5  | 67.7  | 45.5  | 26.9  | 14.9  | 8.2   | 3.7   | 0.1   |
| 50°   | 67.4  | 62.2  | 53.5  | 40.5  | 29.9  | 21.0  | 13.1  | 8.0   | 4.1   | 1.2   | 0.1   |
| 52.5° | 23.6  | 23.3  | 21.2  | 16.0  | 13.0  | 9.4   | 6.4   | 3.5   | 1.2   | 0.2   | 0.1   |
| 55°   | 3.4   | 3.4   | 3.1   | 3.5   | 3.7   | 3.4   | 2.2   | 0.9   | 0.2   | 0.1   | 0.1   |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.3   | 0.5   | 0.5   | 0.3   | 0.1   | 0.1   | 0.1   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 62.5° | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 65°   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 67.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 70°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 75°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 77.5° | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 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   |

TEST NUMBER: P1335438

CATALOG NUMBER: P3A02R359740DE010 E3A301WMH

**CANDELA DISTRIBUTION (continued):**

|       | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0°    | 13.5 | 13.5   | 13.5 | 13.5   | 13.5 |
| 2.5°  | 13.4 | 10.8   | 8.6  | 7.5    | 7.2  |
| 5°    | 12.6 | 8.1    | 5.3  | 4.2    | 3.9  |
| 7.5°  | 11.2 | 5.8    | 3.2  | 2.3    | 2.2  |
| 10°   | 9.8  | 4.2    | 2.0  | 1.4    | 1.3  |
| 12.5° | 8.2  | 2.9    | 1.3  | 0.8    | 0.7  |
| 15°   | 6.8  | 2.0    | 0.7  | 0.6    | 0.5  |
| 17.5° | 5.4  | 1.3    | 0.5  | 0.3    | 0.5  |
| 20°   | 4.3  | 0.8    | 0.2  | 0.2    | 0.2  |
| 22.5° | 3.2  | 0.5    | 0.2  | 0.2    | 0.2  |
| 25°   | 2.3  | 0.2    | 0.1  | 0.1    | 0.2  |
| 27.5° | 1.6  | 0.1    | 0.1  | 0.1    | 0.2  |
| 30°   | 0.9  | 0.1    | 0.1  | 0.1    | 0.2  |
| 32.5° | 0.5  | 0.1    | 0.1  | 0.2    | 0.2  |
| 35°   | 0.2  | 0.1    | 0.1  | 0.2    | 0.2  |
| 37.5° | 0.1  | 0.1    | 0.1  | 0.2    | 0.3  |
| 40°   | 0.1  | 0.1    | 0.2  | 0.3    | 0.3  |
| 42.5° | 0.1  | 0.1    | 0.2  | 0.3    | 0.5  |
| 45°   | 0.1  | 0.2    | 0.3  | 0.5    | 0.6  |
| 47.5° | 0.2  | 0.2    | 0.5  | 0.6    | 0.7  |
| 50°   | 0.2  | 0.3    | 0.5  | 0.7    | 0.7  |
| 52.5° | 0.2  | 0.3    | 0.6  | 0.7    | 0.8  |
| 55°   | 0.2  | 0.5    | 0.6  | 0.8    | 0.8  |
| 57.5° | 0.3  | 0.5    | 0.6  | 0.8    | 0.8  |
| 60°   | 0.3  | 0.5    | 0.6  | 0.8    | 0.8  |
| 62.5° | 0.3  | 0.5    | 0.6  | 0.8    | 0.8  |
| 65°   | 0.3  | 0.5    | 0.6  | 0.8    | 0.8  |
| 67.5° | 0.3  | 0.5    | 0.6  | 0.7    | 0.8  |
| 70°   | 0.3  | 0.5    | 0.6  | 0.7    | 0.7  |
| 72.5° | 0.5  | 0.5    | 0.6  | 0.7    | 0.7  |
| 75°   | 0.3  | 0.5    | 0.5  | 0.6    | 0.6  |
| 77.5° | 0.3  | 0.3    | 0.3  | 0.5    | 0.5  |
| 80°   | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 82.5° | 0.3  | 0.2    | 0.2  | 0.3    | 0.3  |
| 85°   | 0.3  | 0.2    | 0.1  | 0.2    | 0.2  |
| 87.5° | 0.2  | 0.2    | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)