

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: P1337955

Luminaire Tested: P3A05R309827DE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337955  
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: P3A05R309827DE010 E3A301GPH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

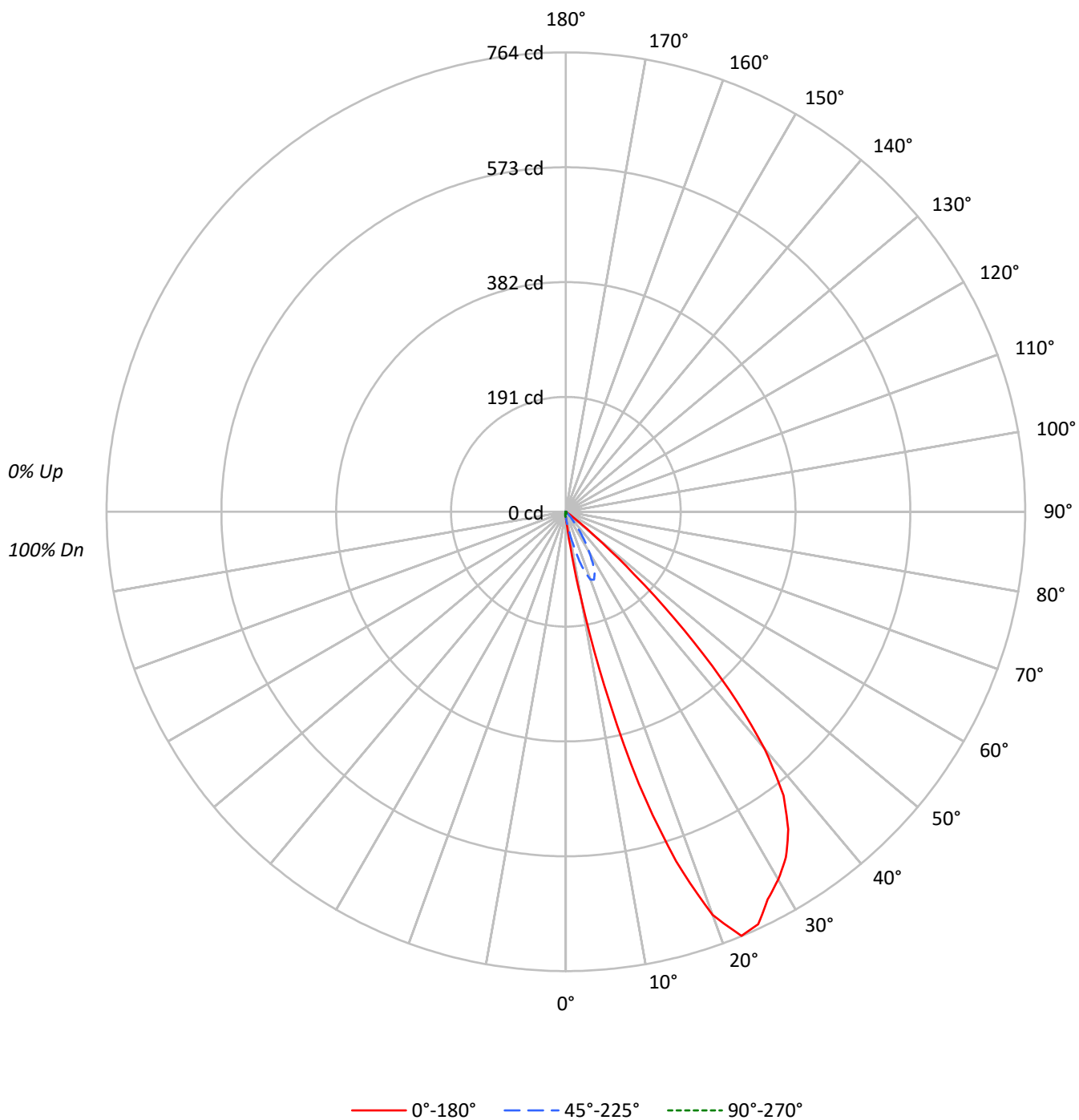
Lumens per Lamp: N/A  
Luminaire Lumens: 180.0 lumens  
Efficiency: N/A  
Efficacy: 25.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  | 87  | 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   | 66  | 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°  | 1886   | 1886  | 1886 | 1886 | 1886 |
| 5°  | 5657   | 3764  | 1783 | 792  | 660  |
| 10° | 32709  | 7994  | 1403 | 356  | 267  |
| 15° | 106380 | 18116 | 976  | 68   | 45   |
| 20° | 166451 | 28026 | 607  | 0    | 0    |
| 25° | 183132 | 27389 | 315  | 0    | 0    |
| 30° | 178863 | 19750 | 127  | 0    | 0    |
| 35° | 172635 | 11216 | 54   | 0    | 0    |
| 40° | 147219 | 4752  | 0    | 0    | 0    |
| 45° | 86397  | 1799  | 62   | 0    | 62   |
| 50° | 20980  | 341   | 68   | 68   | 171  |
| 55° | 1835   | 0     | 115  | 191  | 268  |
| 60° | 88     | 0     | 132  | 219  | 351  |
| 65° | 104    | 104   | 259  | 259  | 415  |
| 70° | 128    | 128   | 321  | 321  | 449  |
| 75° | 0      | 169   | 424  | 424  | 424  |
| 80° | 0      | 253   | 631  | 379  | 379  |
| 85° | 0      | 503   | 1258 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86397 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.6    | 0.9       |
| 10°-20°   | 24.7   | 13.7      |
| 20°-30°   | 62.9   | 34.9      |
| 30°-40°   | 62.7   | 34.8      |
| 40°-50°   | 25.4   | 14.1      |
| 50°-60°   | 1.8    | 1.0       |
| 60°-70°   | 0.4    | 0.2       |
| 70°-80°   | 0.4    | 0.2       |
| 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°    | 89.2   | 49.5      |
| 0°-40°    | 151.8  | 84.3      |
| 0°-60°    | 179.0  | 99.4      |
| 0°-90°    | 180.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 180.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 9   | 9   | 9   | 9    | 9    |      |
| 5°  | 26  | 17  | 8   | 4    | 3    | 6    |
| 15° | 469 | 80  | 4   | 0    | 0    | 136  |
| 25° | 757 | 113 | 1   | 0    | 0    | 342  |
| 35° | 645 | 42  | 0   | 0    | 0    | 395  |
| 45° | 279 | 6   | 0   | 0    | 0    | 213  |
| 55° | 5   | 0   | 0   | 0    | 1    | 12   |
| 65° | 0   | 0   | 0   | 0    | 1    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1337955

CATALOG NUMBER: P3A05R309827DE010 E3A301GPH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   |
| 2.5°  | 14.1  | 14.3  | 14.3  | 14.0  | 13.8  | 13.8  | 13.3  | 13.2  | 12.7  | 12.2  | 10.5  |
| 5°    | 25.7  | 25.2  | 24.5  | 24.5  | 23.0  | 22.2  | 21.1  | 19.7  | 18.8  | 17.1  | 12.2  |
| 7.5°  | 58.2  | 54.3  | 53.1  | 51.6  | 46.1  | 41.6  | 36.5  | 32.1  | 28.0  | 24.5  | 13.5  |
| 10°   | 146.9 | 139.1 | 132.7 | 119.7 | 103.5 | 87.8  | 73.4  | 56.6  | 45.1  | 35.9  | 14.5  |
| 12.5° | 295.9 | 285.5 | 273.2 | 249.5 | 219.1 | 180.1 | 145.6 | 108.7 | 76.3  | 52.8  | 14.8  |
| 15°   | 468.6 | 451.0 | 431.8 | 401.7 | 351.8 | 295.9 | 233.6 | 174.8 | 122.5 | 79.8  | 14.5  |
| 17.5° | 609.4 | 602.5 | 574.0 | 532.9 | 471.9 | 399.8 | 323.0 | 242.8 | 165.3 | 104.4 | 13.5  |
| 20°   | 713.3 | 708.6 | 674.2 | 630.4 | 561.7 | 479.1 | 381.6 | 285.2 | 195.1 | 120.1 | 12.0  |
| 22.5° | 763.5 | 762.7 | 737.9 | 693.1 | 620.2 | 526.7 | 419.3 | 309.7 | 204.3 | 122.2 | 10.0  |
| 25°   | 756.9 | 759.9 | 745.7 | 712.5 | 642.6 | 546.2 | 430.4 | 309.7 | 197.5 | 113.2 | 8.4   |
| 27.5° | 727.0 | 729.0 | 720.1 | 694.6 | 629.5 | 532.1 | 414.8 | 289.8 | 178.0 | 97.2  | 6.9   |
| 30°   | 706.4 | 707.3 | 696.2 | 668.9 | 599.9 | 499.9 | 378.0 | 253.0 | 148.4 | 78.0  | 5.1   |
| 32.5° | 681.4 | 681.3 | 668.4 | 637.2 | 561.0 | 454.6 | 331.3 | 209.1 | 114.0 | 59.2  | 3.0   |
| 35°   | 644.9 | 640.8 | 623.4 | 587.4 | 503.1 | 393.8 | 271.6 | 159.2 | 82.1  | 41.9  | 1.8   |
| 37.5° | 594.8 | 584.1 | 559.4 | 511.2 | 421.9 | 308.7 | 201.3 | 111.8 | 56.1  | 27.8  | 1.2   |
| 40°   | 514.3 | 503.0 | 469.4 | 410.9 | 319.1 | 222.2 | 135.7 | 72.9  | 35.4  | 16.6  | 0.7   |
| 42.5° | 403.3 | 395.6 | 350.3 | 291.9 | 210.7 | 141.8 | 81.6  | 43.1  | 19.9  | 9.5   | 0.2   |
| 45°   | 278.6 | 268.6 | 233.1 | 183.6 | 126.5 | 78.6  | 45.7  | 22.5  | 11.3  | 5.8   | 0.0   |
| 47.5° | 153.8 | 141.5 | 120.9 | 95.1  | 63.7  | 41.3  | 23.0  | 12.2  | 6.4   | 2.8   | 0.0   |
| 50°   | 61.5  | 61.0  | 48.5  | 34.5  | 24.3  | 18.8  | 11.5  | 6.6   | 3.3   | 1.0   | 0.2   |
| 52.5° | 21.5  | 21.5  | 18.6  | 15.1  | 11.8  | 8.6   | 5.8   | 3.1   | 1.2   | 0.3   | 0.2   |
| 55°   | 4.8   | 5.3   | 4.9   | 4.6   | 4.4   | 3.8   | 2.5   | 1.2   | 0.3   | 0.0   | 0.2   |
| 57.5° | 0.5   | 0.5   | 0.5   | 0.7   | 0.8   | 0.8   | 0.7   | 0.3   | 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   | 0.3   |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.3   |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 75°   | 0.0   | 0.0   | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.3   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.3   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.3   |
| 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°    | 8.6 | 8.6    | 8.6  | 8.6    | 8.6  |
| 2.5°  | 8.6 | 6.7    | 5.6  | 4.9    | 4.8  |
| 5°    | 8.1 | 5.1    | 3.6  | 3.1    | 3.0  |
| 7.5°  | 7.2 | 3.8    | 2.5  | 2.0    | 1.8  |
| 10°   | 6.3 | 2.8    | 1.6  | 1.2    | 1.2  |
| 12.5° | 5.3 | 2.1    | 1.0  | 0.5    | 0.3  |
| 15°   | 4.3 | 1.3    | 0.3  | 0.2    | 0.2  |
| 17.5° | 3.3 | 0.8    | 0.0  | 0.0    | 0.0  |
| 20°   | 2.6 | 0.3    | 0.0  | 0.0    | 0.0  |
| 22.5° | 2.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 1.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 0.8 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.5 | 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  | 0.3    | 0.3  |
| 50°   | 0.2 | 0.2    | 0.2  | 0.3    | 0.5  |
| 52.5° | 0.3 | 0.2    | 0.3  | 0.5    | 0.5  |
| 55°   | 0.3 | 0.3    | 0.5  | 0.7    | 0.7  |
| 57.5° | 0.3 | 0.3    | 0.5  | 0.7    | 0.7  |
| 60°   | 0.3 | 0.3    | 0.5  | 0.7    | 0.8  |
| 62.5° | 0.5 | 0.5    | 0.5  | 0.7    | 0.7  |
| 65°   | 0.5 | 0.5    | 0.5  | 0.7    | 0.8  |
| 67.5° | 0.5 | 0.5    | 0.5  | 0.7    | 0.8  |
| 70°   | 0.5 | 0.5    | 0.5  | 0.7    | 0.7  |
| 72.5° | 0.7 | 0.5    | 0.5  | 0.7    | 0.7  |
| 75°   | 0.5 | 0.5    | 0.5  | 0.5    | 0.5  |
| 77.5° | 0.5 | 0.5    | 0.3  | 0.5    | 0.5  |
| 80°   | 0.5 | 0.3    | 0.3  | 0.3    | 0.3  |
| 82.5° | 0.5 | 0.3    | 0.3  | 0.3    | 0.3  |
| 85°   | 0.5 | 0.3    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.5 | 0.3    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)