

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: P1335206

Luminaire Tested: P3A02R30B2750DE010 E3A301LI\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335206  
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: P3A02R30B2750DE010 E3A301LI\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

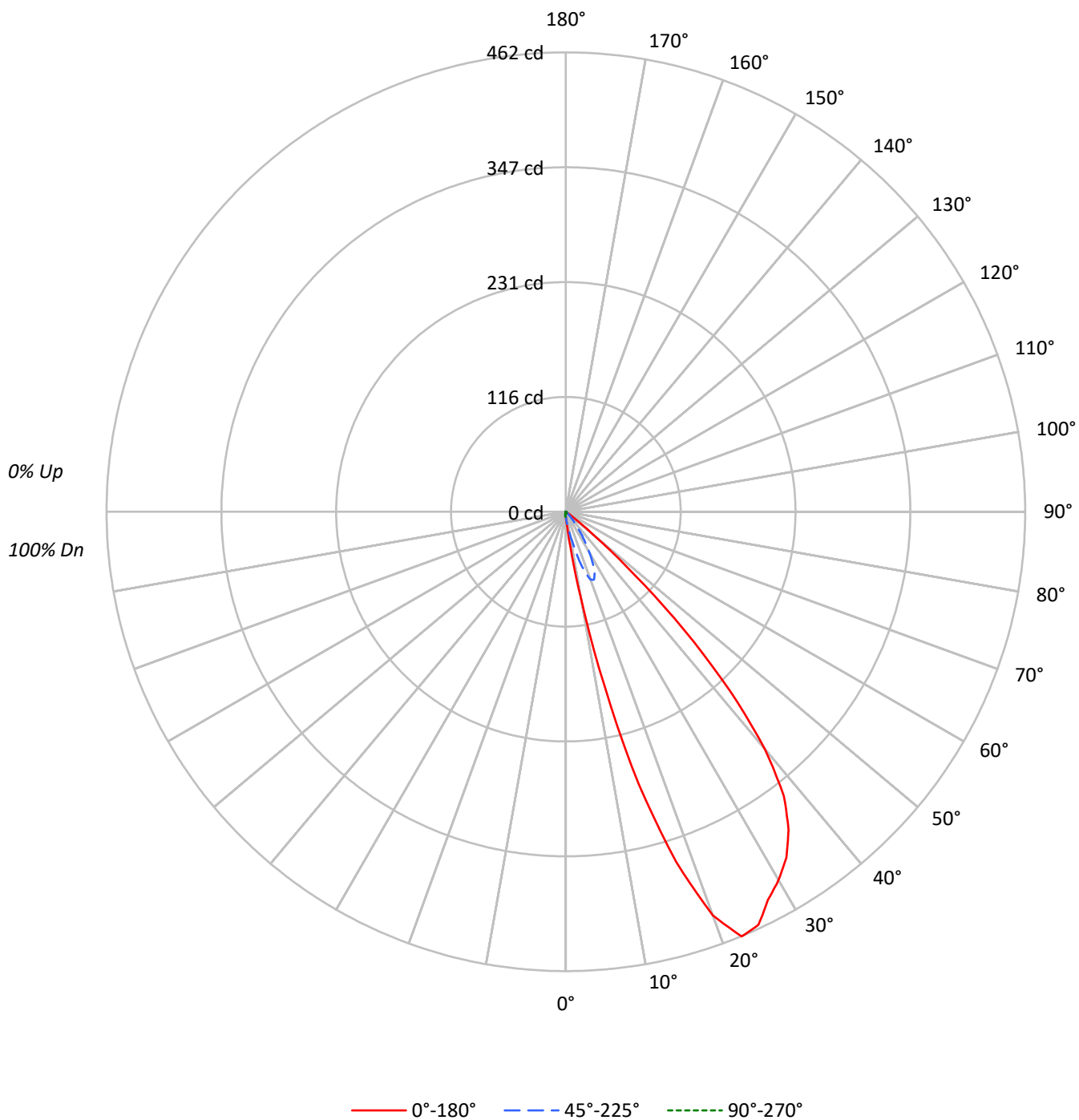
Lumens per Lamp: N/A  
Luminaire Lumens: 109.0 lumens  
Efficiency: N/A  
Efficacy: 37.6 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
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   | 67  | 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°  | 1140   | 1140  | 1140 | 1140 | 1140 |
| 5°  | 3412   | 2289  | 1079 | 484  | 396  |
| 10° | 19795  | 4832  | 846  | 223  | 156  |
| 15° | 64427  | 10965 | 590  | 45   | 23   |
| 20° | 100809 | 16965 | 373  | 0    | 0    |
| 25° | 110910 | 16574 | 194  | 0    | 0    |
| 30° | 108320 | 11951 | 76   | 0    | 0    |
| 35° | 104534 | 6799  | 27   | 0    | 0    |
| 40° | 89167  | 2891  | 0    | 0    | 0    |
| 45° | 52316  | 1085  | 31   | 0    | 31   |
| 50° | 12725  | 205   | 34   | 34   | 102  |
| 55° | 1109   | 0     | 76   | 115  | 153  |
| 60° | 44     | 0     | 88   | 132  | 219  |
| 65° | 52     | 52    | 156  | 156  | 259  |
| 70° | 64     | 64    | 192  | 192  | 256  |
| 75° | 0      | 85    | 254  | 254  | 254  |
| 80° | 0      | 126   | 379  | 253  | 253  |
| 85° | 0      | 252   | 755  | 252  | 252  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52316 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.0    | 0.9       |
| 10°-20°   | 15.0   | 13.7      |
| 20°-30°   | 38.1   | 34.9      |
| 30°-40°   | 37.9   | 34.8      |
| 40°-50°   | 15.4   | 14.1      |
| 50°-60°   | 1.1    | 1.0       |
| 60°-70°   | 0.2    | 0.2       |
| 70°-80°   | 0.2    | 0.2       |
| 80°-90°   | 0.1    | 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°    | 54.0   | 49.5      |
| 0°-40°    | 92.0   | 84.4      |
| 0°-60°    | 108.4  | 99.4      |
| 0°-90°    | 109.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 109.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 5   | 5   | 5   | 5    | 5    |      |
| 5°  | 16  | 10  | 5   | 2    | 2    | 4    |
| 15° | 284 | 48  | 3   | 0    | 0    | 83   |
| 25° | 458 | 68  | 1   | 0    | 0    | 207  |
| 35° | 390 | 25  | 0   | 0    | 0    | 239  |
| 45° | 169 | 4   | 0   | 0    | 0    | 129  |
| 55° | 3   | 0   | 0   | 0    | 0    | 8    |
| 65° | 0   | 0   | 0   | 0    | 0    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 85° | 0   | 0   | 0   | 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°    | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2  | 5.2   |
| 2.5°  | 8.6   | 8.7   | 8.7   | 8.5   | 8.4   | 8.4   | 8.1   | 8.0   | 7.7   | 7.4  | 6.4   |
| 5°    | 15.5  | 15.2  | 14.8  | 14.8  | 13.9  | 13.4  | 12.7  | 12.0  | 11.4  | 10.4 | 7.4   |
| 7.5°  | 35.3  | 32.9  | 32.2  | 31.3  | 27.9  | 25.2  | 22.1  | 19.4  | 16.9  | 14.8 | 8.2   |
| 10°   | 88.9  | 84.3  | 80.4  | 72.5  | 62.6  | 53.2  | 44.4  | 34.3  | 27.3  | 21.7 | 8.8   |
| 12.5° | 179.2 | 172.9 | 165.4 | 151.1 | 132.7 | 109.1 | 88.1  | 65.8  | 46.2  | 32.0 | 9.0   |
| 15°   | 283.8 | 273.1 | 261.5 | 243.2 | 213.0 | 179.2 | 141.4 | 105.9 | 74.2  | 48.3 | 8.8   |
| 17.5° | 369.0 | 364.8 | 347.6 | 322.7 | 285.8 | 242.1 | 195.6 | 147.0 | 100.1 | 63.2 | 8.2   |
| 20°   | 432.0 | 429.1 | 408.3 | 381.8 | 340.1 | 290.1 | 231.1 | 172.7 | 118.1 | 72.7 | 7.3   |
| 22.5° | 462.3 | 461.9 | 446.8 | 419.7 | 375.6 | 318.9 | 253.9 | 187.5 | 123.7 | 74.0 | 6.1   |
| 25°   | 458.4 | 460.2 | 451.6 | 431.5 | 389.1 | 330.8 | 260.7 | 187.5 | 119.6 | 68.5 | 5.1   |
| 27.5° | 440.2 | 441.4 | 436.1 | 420.6 | 381.2 | 322.2 | 251.2 | 175.5 | 107.8 | 58.9 | 4.2   |
| 30°   | 427.8 | 428.3 | 421.6 | 405.1 | 363.2 | 302.7 | 228.9 | 153.2 | 89.8  | 47.2 | 3.1   |
| 32.5° | 412.6 | 412.5 | 404.8 | 385.9 | 339.7 | 275.3 | 200.6 | 126.6 | 69.0  | 35.9 | 1.8   |
| 35°   | 390.5 | 388.0 | 377.5 | 355.7 | 304.7 | 238.4 | 164.4 | 96.4  | 49.7  | 25.4 | 1.1   |
| 37.5° | 360.2 | 353.7 | 338.7 | 309.6 | 255.5 | 187.0 | 121.9 | 67.7  | 34.0  | 16.8 | 0.7   |
| 40°   | 311.5 | 304.6 | 284.3 | 248.8 | 193.2 | 134.6 | 82.2  | 44.1  | 21.4  | 10.1 | 0.4   |
| 42.5° | 244.2 | 239.5 | 212.2 | 176.8 | 127.6 | 85.9  | 49.4  | 26.1  | 12.1  | 5.8  | 0.1   |
| 45°   | 168.7 | 162.6 | 141.1 | 111.2 | 76.6  | 47.6  | 27.7  | 13.6  | 6.9   | 3.5  | 0.0   |
| 47.5° | 93.1  | 85.7  | 73.2  | 57.6  | 38.5  | 25.0  | 13.9  | 7.4   | 3.9   | 1.7  | 0.0   |
| 50°   | 37.3  | 37.0  | 29.4  | 20.9  | 14.7  | 11.4  | 7.0   | 4.0   | 2.0   | 0.6  | 0.1   |
| 52.5° | 13.0  | 13.0  | 11.3  | 9.2   | 7.2   | 5.2   | 3.5   | 1.9   | 0.7   | 0.2  | 0.1   |
| 55°   | 2.9   | 3.2   | 3.0   | 2.8   | 2.7   | 2.3   | 1.5   | 0.7   | 0.2   | 0.0  | 0.1   |
| 57.5° | 0.3   | 0.3   | 0.3   | 0.4   | 0.5   | 0.5   | 0.4   | 0.2   | 0.0   | 0.0  | 0.1   |
| 60°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0  | 0.2   |
| 62.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1  | 0.2   |
| 65°   | 0.1   | 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°   | 0.0   | 0.0   | 0.1   | 0.1   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 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   | 0.0   | 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   |

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**CANDELA DISTRIBUTION (continued):**

|       | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-----|--------|------|--------|------|
| 0°    | 5.2 | 5.2    | 5.2  | 5.2    | 5.2  |
| 2.5°  | 5.2 | 4.1    | 3.4  | 3.0    | 2.9  |
| 5°    | 4.9 | 3.1    | 2.2  | 1.9    | 1.8  |
| 7.5°  | 4.4 | 2.3    | 1.5  | 1.2    | 1.1  |
| 10°   | 3.8 | 1.7    | 1.0  | 0.7    | 0.7  |
| 12.5° | 3.2 | 1.3    | 0.6  | 0.3    | 0.2  |
| 15°   | 2.6 | 0.8    | 0.2  | 0.1    | 0.1  |
| 17.5° | 2.0 | 0.5    | 0.0  | 0.0    | 0.0  |
| 20°   | 1.6 | 0.2    | 0.0  | 0.0    | 0.0  |
| 22.5° | 1.2 | 0.1    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.8 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.3 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.1 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.1 | 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°   | 0.1 | 0.0    | 0.0  | 0.1    | 0.1  |
| 47.5° | 0.1 | 0.1    | 0.1  | 0.2    | 0.2  |
| 50°   | 0.1 | 0.1    | 0.1  | 0.2    | 0.3  |
| 52.5° | 0.2 | 0.1    | 0.2  | 0.3    | 0.3  |
| 55°   | 0.2 | 0.2    | 0.3  | 0.4    | 0.4  |
| 57.5° | 0.2 | 0.2    | 0.3  | 0.4    | 0.4  |
| 60°   | 0.2 | 0.2    | 0.3  | 0.4    | 0.5  |
| 62.5° | 0.3 | 0.3    | 0.3  | 0.4    | 0.4  |
| 65°   | 0.3 | 0.3    | 0.3  | 0.4    | 0.5  |
| 67.5° | 0.3 | 0.3    | 0.3  | 0.4    | 0.5  |
| 70°   | 0.3 | 0.3    | 0.3  | 0.4    | 0.4  |
| 72.5° | 0.4 | 0.3    | 0.3  | 0.4    | 0.4  |
| 75°   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  |
| 77.5° | 0.3 | 0.3    | 0.2  | 0.3    | 0.3  |
| 80°   | 0.3 | 0.2    | 0.2  | 0.2    | 0.2  |
| 82.5° | 0.3 | 0.2    | 0.2  | 0.2    | 0.2  |
| 85°   | 0.3 | 0.2    | 0.1  | 0.1    | 0.1  |
| 87.5° | 0.3 | 0.2    | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)