

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: P1335217

Luminaire Tested: P3A02R30B2750DE010 E3A301WH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335217  
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 E3A301WH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

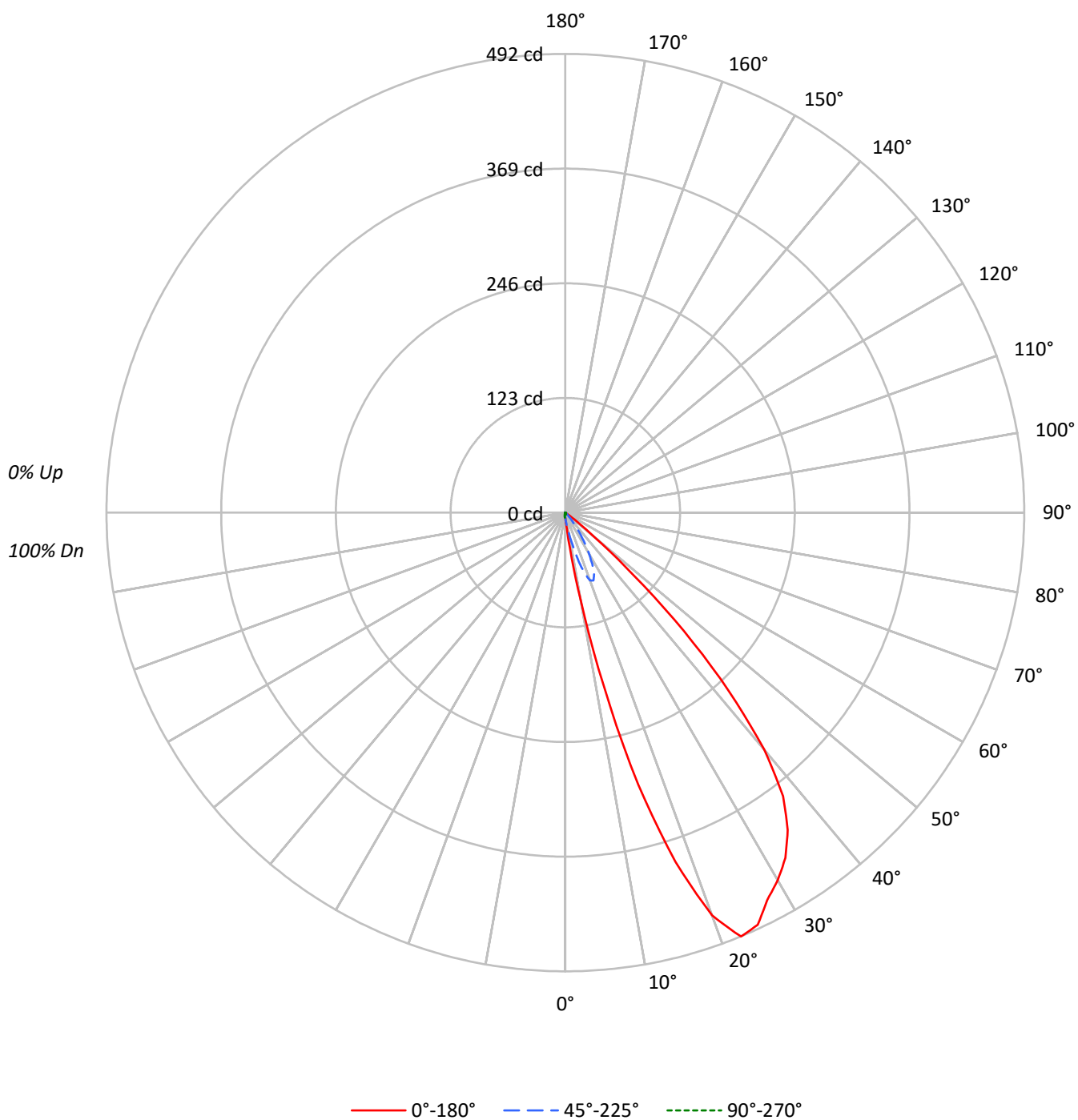
Lumens per Lamp: N/A  
Luminaire Lumens: 115.9 lumens  
Efficiency: N/A  
Efficacy: 40.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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°  | 1206   | 1206  | 1206 | 1206 | 1206 |
| 5°  | 3632   | 2421  | 1145 | 506  | 418  |
| 10° | 21086  | 5144  | 891  | 245  | 156  |
| 15° | 68559  | 11669 | 636  | 45   | 23   |
| 20° | 107273 | 18062 | 397  | 0    | 0    |
| 25° | 118023 | 17638 | 194  | 0    | 0    |
| 30° | 115284 | 12711 | 76   | 0    | 0    |
| 35° | 111253 | 7228  | 27   | 0    | 0    |
| 40° | 94892  | 3063  | 0    | 0    | 0    |
| 45° | 55696  | 1147  | 31   | 0    | 31   |
| 50° | 13509  | 205   | 34   | 34   | 102  |
| 55° | 1185   | 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: 55696 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.0    | 0.9       |
| 10°-20°   | 15.9   | 13.7      |
| 20°-30°   | 40.5   | 34.9      |
| 30°-40°   | 40.4   | 34.8      |
| 40°-50°   | 16.4   | 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       |
| 0°-30°    | 57.5   | 49.6      |
| 0°-40°    | 97.8   | 84.4      |
| 0°-60°    | 115.3  | 99.5      |
| 0°-90°    | 115.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 115.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 16  | 11  | 5   | 2    | 2    | 4    |
| 15° | 302 | 51  | 3   | 0    | 0    | 88   |
| 25° | 488 | 73  | 1   | 0    | 0    | 220  |
| 35° | 416 | 27  | 0   | 0    | 0    | 255  |
| 45° | 180 | 4   | 0   | 0    | 0    | 137  |
| 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°    | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5  | 5.5   |
| 2.5°  | 9.1   | 9.2   | 9.2   | 9.0   | 8.9   | 8.9   | 8.6   | 8.5   | 8.2   | 7.8  | 6.8   |
| 5°    | 16.5  | 16.2  | 15.8  | 15.8  | 14.8  | 14.3  | 13.6  | 12.7  | 12.1  | 11.0 | 7.8   |
| 7.5°  | 37.5  | 35.0  | 34.2  | 33.3  | 29.7  | 26.8  | 23.5  | 20.7  | 18.0  | 15.8 | 8.7   |
| 10°   | 94.7  | 89.7  | 85.5  | 77.2  | 66.7  | 56.6  | 47.3  | 36.5  | 29.0  | 23.1 | 9.3   |
| 12.5° | 190.7 | 184.0 | 176.1 | 160.8 | 141.2 | 116.1 | 93.8  | 70.1  | 49.2  | 34.0 | 9.5   |
| 15°   | 302.0 | 290.6 | 278.2 | 258.8 | 226.7 | 190.7 | 150.5 | 112.7 | 79.0  | 51.4 | 9.3   |
| 17.5° | 392.7 | 388.3 | 369.9 | 343.4 | 304.1 | 257.7 | 208.2 | 156.5 | 106.5 | 67.3 | 8.7   |
| 20°   | 459.7 | 456.6 | 434.5 | 406.3 | 362.0 | 308.8 | 245.9 | 183.8 | 125.7 | 77.4 | 7.7   |
| 22.5° | 492.0 | 491.5 | 475.5 | 446.7 | 399.7 | 339.4 | 270.2 | 199.6 | 131.6 | 78.8 | 6.5   |
| 25°   | 487.8 | 489.7 | 480.6 | 459.2 | 414.1 | 352.0 | 277.4 | 199.6 | 127.3 | 72.9 | 5.4   |
| 27.5° | 468.5 | 469.8 | 464.1 | 447.6 | 405.7 | 342.9 | 267.3 | 186.8 | 114.7 | 62.6 | 4.5   |
| 30°   | 455.3 | 455.8 | 448.7 | 431.1 | 386.6 | 322.1 | 243.6 | 163.0 | 95.6  | 50.2 | 3.3   |
| 32.5° | 439.1 | 439.0 | 430.8 | 410.6 | 361.6 | 293.0 | 213.5 | 134.7 | 73.5  | 38.2 | 1.9   |
| 35°   | 415.6 | 413.0 | 401.7 | 378.5 | 324.2 | 253.8 | 175.0 | 102.6 | 52.9  | 27.0 | 1.2   |
| 37.5° | 383.3 | 376.4 | 360.5 | 329.4 | 271.9 | 199.0 | 129.7 | 72.1  | 36.1  | 17.9 | 0.7   |
| 40°   | 331.5 | 324.1 | 302.5 | 264.8 | 205.6 | 143.2 | 87.4  | 47.0  | 22.8  | 10.7 | 0.4   |
| 42.5° | 259.9 | 254.9 | 225.8 | 188.1 | 135.8 | 91.4  | 52.6  | 27.8  | 12.8  | 6.1  | 0.1   |
| 45°   | 179.6 | 173.1 | 150.2 | 118.3 | 81.5  | 50.7  | 29.5  | 14.5  | 7.3   | 3.7  | 0.0   |
| 47.5° | 99.1  | 91.2  | 77.9  | 61.3  | 41.0  | 26.6  | 14.8  | 7.8   | 4.1   | 1.8  | 0.0   |
| 50°   | 39.6  | 39.3  | 31.3  | 22.3  | 15.7  | 12.1  | 7.4   | 4.2   | 2.1   | 0.6  | 0.1   |
| 52.5° | 13.9  | 13.9  | 12.0  | 9.8   | 7.6   | 5.5   | 3.7   | 2.0   | 0.7   | 0.2  | 0.1   |
| 55°   | 3.1   | 3.4   | 3.2   | 3.0   | 2.9   | 2.4   | 1.6   | 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°    | 5.5 | 5.5    | 5.5  | 5.5    | 5.5  |
| 2.5°  | 5.5 | 4.3    | 3.6  | 3.2    | 3.1  |
| 5°    | 5.2 | 3.3    | 2.3  | 2.0    | 1.9  |
| 7.5°  | 4.7 | 2.4    | 1.6  | 1.3    | 1.2  |
| 10°   | 4.0 | 1.8    | 1.1  | 0.7    | 0.7  |
| 12.5° | 3.4 | 1.4    | 0.6  | 0.3    | 0.2  |
| 15°   | 2.8 | 0.8    | 0.2  | 0.1    | 0.1  |
| 17.5° | 2.1 | 0.5    | 0.0  | 0.0    | 0.0  |
| 20°   | 1.7 | 0.2    | 0.0  | 0.0    | 0.0  |
| 22.5° | 1.3 | 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)