

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: P1335889

Luminaire Tested: P3A02R40B2750DE010 E3A301WH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R40B2750DE010 E3A301WH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 80CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

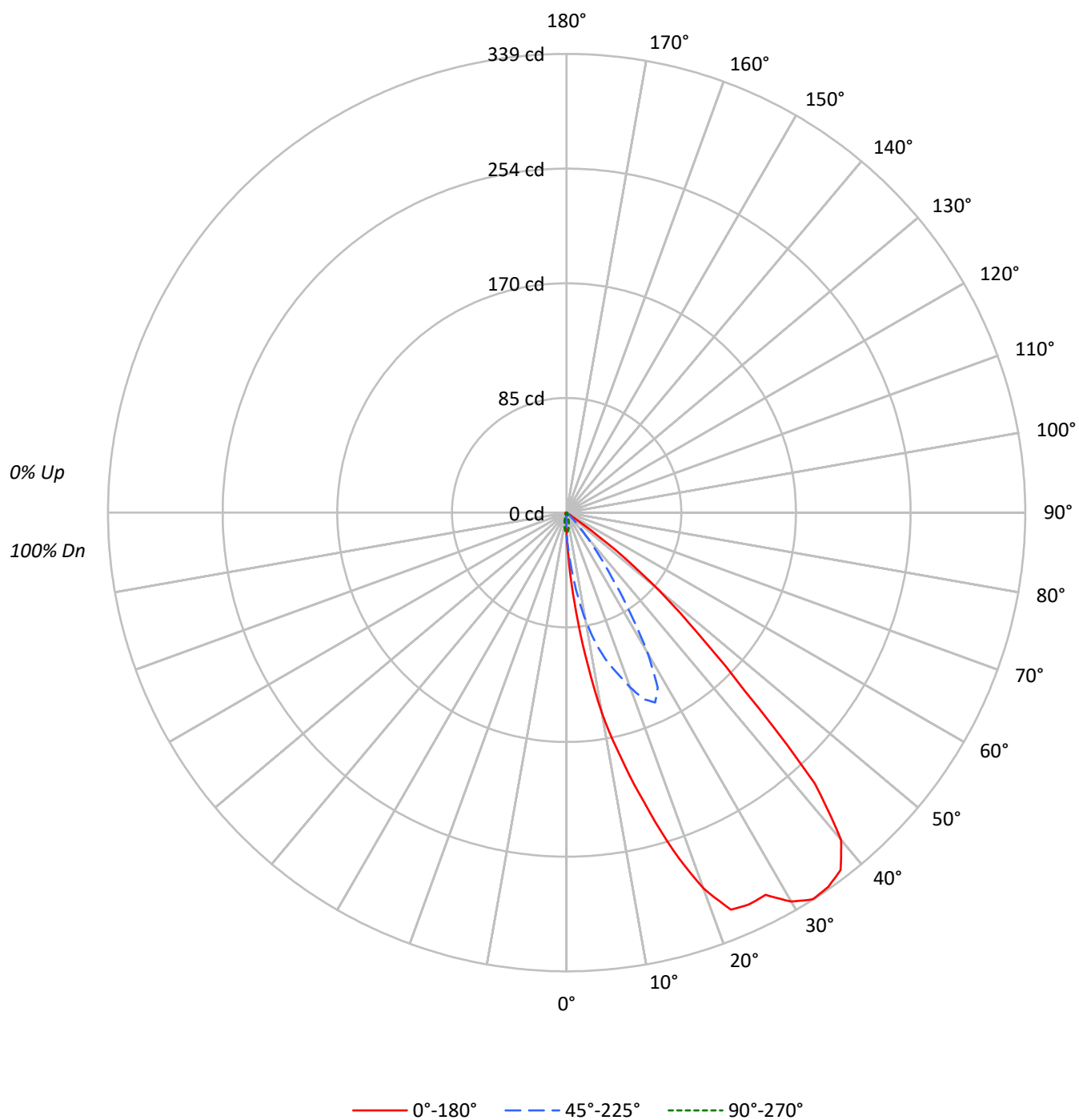
Lumens per Lamp: N/A  
Luminaire Lumens: 124.9 lumens  
Efficiency: N/A  
Efficacy: 43.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 93  | 93  | 91  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 84  | 84  | 82  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 76  | 76  | 74  |
| 4   | 92  | 83  | 77  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 68  | 68  | 67  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 62  | 62  | 60  |
| 6   | 80  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 56  | 56  | 54  |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 51  | 51  | 51  | 49  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 46  | 46  | 44  |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 42  | 42  | 40  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 38  | 38  | 37  |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 3245  | 3245  | 3245 | 3245 | 3245 |
| 5°  | 14638 | 9333  | 2906 | 1123 | 814  |
| 10° | 33555 | 18013 | 2049 | 401  | 312  |
| 15° | 50352 | 25562 | 1271 | 227  | 182  |
| 20° | 68933 | 32039 | 747  | 117  | 140  |
| 25° | 77279 | 37454 | 387  | 97   | 121  |
| 30° | 84038 | 30232 | 152  | 76   | 127  |
| 35° | 90319 | 15473 | 54   | 107  | 161  |
| 40° | 90369 | 6183  | 29   | 115  | 200  |
| 45° | 57680 | 2078  | 62   | 186  | 310  |
| 50° | 29952 | 239   | 102  | 239  | 375  |
| 55° | 2600  | 38    | 115  | 306  | 459  |
| 60° | 88    | 44    | 132  | 351  | 526  |
| 65° | 104   | 52    | 208  | 363  | 571  |
| 70° | 64    | 64    | 256  | 385  | 513  |
| 75° | 85    | 85    | 254  | 424  | 593  |
| 80° | 126   | 126   | 379  | 379  | 505  |
| 85° | 0     | 252   | 755  | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57680 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.9    | 2.3       |
| 10°-20°   | 16.9   | 13.5      |
| 20°-30°   | 37.0   | 29.7      |
| 30°-40°   | 42.2   | 33.8      |
| 40°-50°   | 22.3   | 17.8      |
| 50°-60°   | 2.6    | 2.1       |
| 60°-70°   | 0.5    | 0.4       |
| 70°-80°   | 0.4    | 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°    | 56.8   | 45.5      |
| 0°-40°    | 99.1   | 79.3      |
| 0°-60°    | 123.9  | 99.2      |
| 0°-90°    | 124.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 124.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 15  | 15  | 15  | 15   | 15   |      |
| 5°  | 66  | 42  | 13  | 5    | 4    | 9    |
| 15° | 222 | 113 | 6   | 1    | 1    | 65   |
| 25° | 319 | 155 | 2   | 0    | 0    | 147  |
| 35° | 337 | 58  | 0   | 0    | 1    | 209  |
| 45° | 186 | 7   | 0   | 1    | 1    | 150  |
| 55° | 7   | 0   | 0   | 1    | 1    | 21   |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  |
| 2.5°  | 33.0  | 33.0  | 32.9  | 31.9  | 31.8  | 31.7  | 30.0  | 29.6  | 27.6  | 26.2  | 20.0  |
| 5°    | 66.5  | 65.0  | 64.9  | 63.2  | 60.3  | 56.5  | 54.1  | 50.2  | 46.4  | 42.4  | 24.6  |
| 7.5°  | 105.9 | 107.1 | 103.6 | 101.8 | 95.5  | 91.0  | 84.0  | 77.9  | 69.3  | 61.3  | 28.4  |
| 10°   | 150.7 | 148.4 | 144.9 | 141.5 | 134.6 | 126.5 | 116.1 | 105.2 | 92.9  | 80.9  | 30.5  |
| 12.5° | 185.6 | 182.8 | 180.7 | 175.9 | 169.1 | 158.7 | 146.3 | 131.7 | 115.4 | 98.1  | 30.4  |
| 15°   | 221.8 | 218.9 | 214.1 | 209.9 | 199.9 | 188.2 | 174.7 | 155.5 | 135.4 | 112.6 | 28.2  |
| 17.5° | 261.5 | 257.8 | 252.5 | 246.1 | 236.3 | 223.3 | 206.3 | 182.9 | 154.5 | 124.5 | 24.2  |
| 20°   | 295.4 | 293.2 | 287.9 | 280.3 | 270.8 | 258.1 | 238.4 | 212.5 | 177.8 | 137.3 | 19.2  |
| 22.5° | 317.6 | 315.6 | 312.0 | 305.3 | 298.1 | 284.6 | 266.7 | 238.1 | 197.4 | 149.1 | 14.6  |
| 25°   | 319.4 | 318.5 | 317.6 | 315.4 | 311.0 | 301.4 | 283.9 | 253.1 | 209.5 | 154.8 | 10.8  |
| 27.5° | 318.4 | 318.1 | 317.9 | 316.7 | 313.9 | 304.4 | 286.4 | 255.4 | 207.9 | 145.9 | 7.9   |
| 30°   | 331.9 | 331.0 | 330.5 | 326.7 | 319.2 | 304.5 | 281.0 | 243.4 | 184.8 | 119.4 | 5.7   |
| 32.5° | 338.8 | 338.6 | 338.1 | 334.4 | 323.8 | 304.7 | 271.9 | 214.6 | 146.5 | 86.2  | 3.9   |
| 35°   | 337.4 | 336.4 | 334.5 | 327.6 | 312.9 | 288.9 | 242.6 | 171.4 | 105.8 | 57.8  | 2.5   |
| 37.5° | 332.8 | 330.4 | 326.7 | 314.3 | 294.8 | 262.0 | 196.7 | 126.1 | 71.9  | 37.4  | 1.5   |
| 40°   | 315.7 | 312.4 | 306.6 | 291.5 | 265.8 | 215.9 | 145.5 | 85.3  | 47.2  | 21.6  | 0.4   |
| 42.5° | 271.4 | 267.2 | 263.0 | 246.1 | 216.7 | 161.0 | 95.7  | 52.7  | 26.9  | 11.8  | 0.1   |
| 45°   | 186.0 | 180.8 | 175.0 | 162.7 | 139.1 | 97.5  | 56.9  | 29.7  | 13.9  | 6.7   | 0.1   |
| 47.5° | 129.2 | 126.8 | 116.6 | 101.0 | 77.4  | 51.7  | 29.5  | 14.6  | 7.4   | 3.1   | 0.1   |
| 50°   | 87.8  | 85.0  | 73.2  | 58.1  | 41.2  | 24.7  | 13.5  | 7.3   | 3.3   | 0.7   | 0.1   |
| 52.5° | 46.1  | 42.7  | 35.2  | 26.8  | 16.7  | 10.4  | 5.9   | 3.2   | 1.0   | 0.1   | 0.1   |
| 55°   | 6.8   | 6.2   | 5.1   | 4.1   | 3.7   | 2.9   | 1.7   | 0.7   | 0.1   | 0.1   | 0.2   |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   | 0.3   | 0.2   | 0.1   | 0.1   | 0.1   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.3   |
| 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   | 0.2   | 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° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.3   |
| 80°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 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   | 0.3   |
| 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   |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0°    | 14.8 | 14.8   | 14.8 | 14.8   | 14.8 |
| 2.5°  | 14.6 | 10.8   | 8.3  | 7.2    | 7.1  |
| 5°    | 13.2 | 7.7    | 5.1  | 3.9    | 3.7  |
| 7.5°  | 11.2 | 5.4    | 3.0  | 2.1    | 2.0  |
| 10°   | 9.2  | 3.7    | 1.8  | 1.5    | 1.4  |
| 12.5° | 7.3  | 2.4    | 1.3  | 1.2    | 1.1  |
| 15°   | 5.6  | 1.6    | 1.0  | 0.8    | 0.8  |
| 17.5° | 4.2  | 1.1    | 0.7  | 0.7    | 0.7  |
| 20°   | 3.2  | 0.7    | 0.5  | 0.6    | 0.6  |
| 22.5° | 2.2  | 0.5    | 0.4  | 0.5    | 0.5  |
| 25°   | 1.6  | 0.4    | 0.4  | 0.5    | 0.5  |
| 27.5° | 1.1  | 0.3    | 0.3  | 0.4    | 0.5  |
| 30°   | 0.6  | 0.2    | 0.3  | 0.4    | 0.5  |
| 32.5° | 0.3  | 0.2    | 0.3  | 0.5    | 0.5  |
| 35°   | 0.2  | 0.3    | 0.4  | 0.5    | 0.6  |
| 37.5° | 0.1  | 0.3    | 0.4  | 0.6    | 0.6  |
| 40°   | 0.1  | 0.3    | 0.4  | 0.6    | 0.7  |
| 42.5° | 0.2  | 0.4    | 0.5  | 0.7    | 0.8  |
| 45°   | 0.2  | 0.4    | 0.6  | 0.8    | 1.0  |
| 47.5° | 0.2  | 0.4    | 0.7  | 1.0    | 1.0  |
| 50°   | 0.3  | 0.5    | 0.7  | 1.0    | 1.1  |
| 52.5° | 0.3  | 0.5    | 0.7  | 1.1    | 1.2  |
| 55°   | 0.3  | 0.5    | 0.8  | 1.1    | 1.2  |
| 57.5° | 0.3  | 0.6    | 0.8  | 1.1    | 1.2  |
| 60°   | 0.3  | 0.5    | 0.8  | 1.1    | 1.2  |
| 62.5° | 0.4  | 0.5    | 0.7  | 1.1    | 1.1  |
| 65°   | 0.4  | 0.5    | 0.7  | 1.1    | 1.1  |
| 67.5° | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 70°   | 0.4  | 0.5    | 0.6  | 0.8    | 0.8  |
| 72.5° | 0.4  | 0.5    | 0.6  | 0.7    | 0.8  |
| 75°   | 0.3  | 0.4    | 0.5  | 0.6    | 0.7  |
| 77.5° | 0.3  | 0.4    | 0.4  | 0.6    | 0.6  |
| 80°   | 0.3  | 0.3    | 0.3  | 0.4    | 0.4  |
| 82.5° | 0.3  | 0.3    | 0.2  | 0.3    | 0.3  |
| 85°   | 0.3  | 0.2    | 0.2  | 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)