

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: P1335877

Luminaire Tested: P3A02R40B2750DE010 E3A301LI\_3500K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335877  
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 E3A301LI\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 80CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

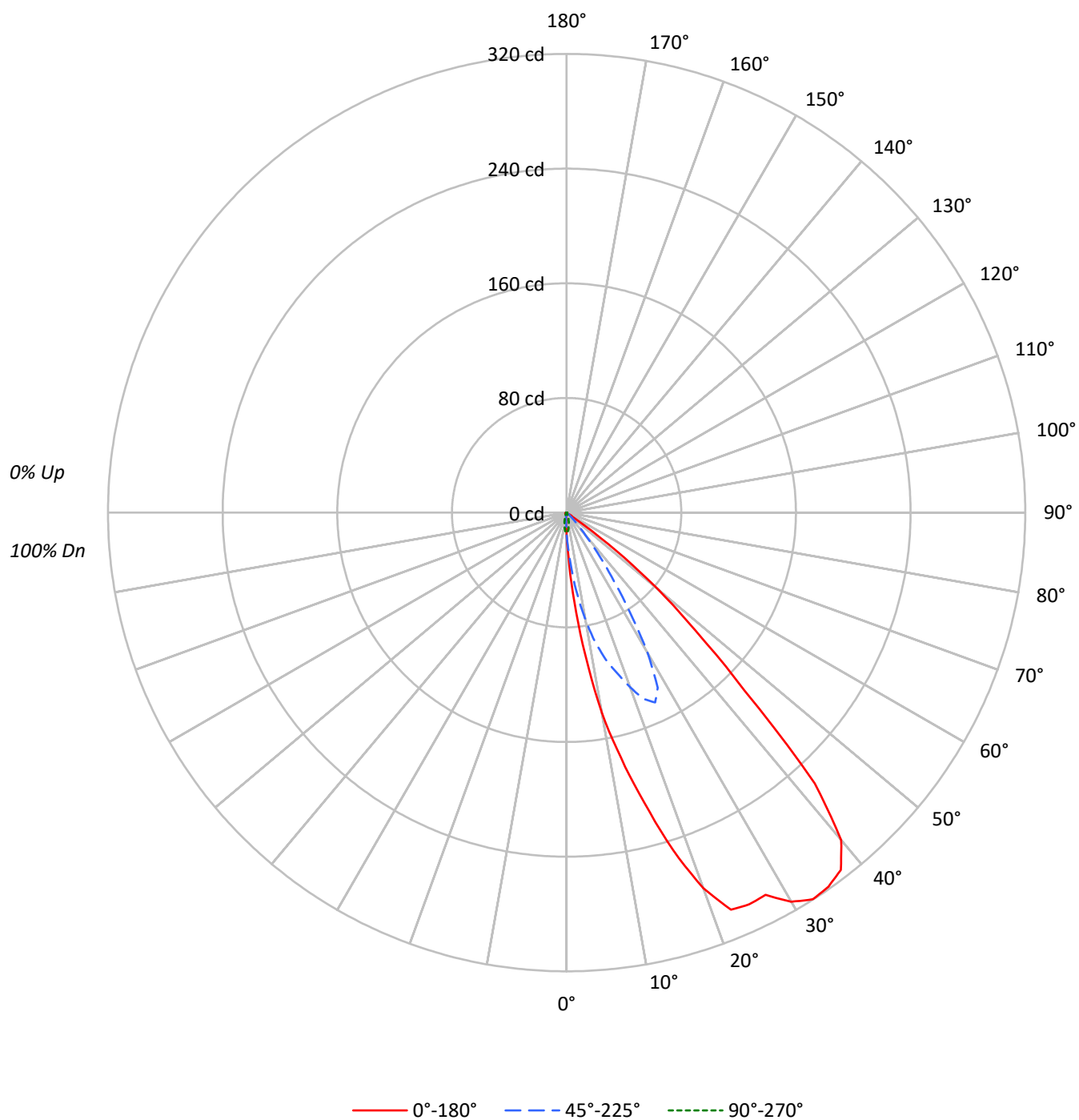
Lumens per Lamp: N/A  
Luminaire Lumens: 118.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 2.52 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 |    |    |    |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |    |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 82  |    |    |    |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |    |
| 4   | 92  | 83  | 77  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 67  |    |    |    |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 60  |    |    |    |
| 6   | 80  | 70  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |    |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    |    |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |    |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |    |

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

|     | 0°    | 45°   | 90°  | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0°  | 3070  | 3070  | 3070 | 3070 | 3070 |
| 5°  | 13801 | 8805  | 2751 | 1057 | 770  |
| 10° | 31663 | 17011 | 1937 | 379  | 289  |
| 15° | 47514 | 24132 | 1203 | 204  | 182  |
| 20° | 65059 | 30266 | 700  | 117  | 140  |
| 25° | 72948 | 35349 | 363  | 97   | 121  |
| 30° | 79354 | 28536 | 152  | 76   | 127  |
| 35° | 85260 | 14616 | 54   | 107  | 161  |
| 40° | 85303 | 5811  | 29   | 115  | 200  |
| 45° | 54455 | 1954  | 62   | 186  | 279  |
| 50° | 28281 | 239   | 102  | 239  | 341  |
| 55° | 2447  | 38    | 115  | 306  | 421  |
| 60° | 88    | 44    | 132  | 351  | 482  |
| 65° | 104   | 52    | 208  | 363  | 519  |
| 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:  $45^\circ$

Luminance: 54455 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.7    | 2.3       |
| 10°-20°   | 16.0   | 13.5      |
| 20°-30°   | 35.0   | 29.6      |
| 30°-40°   | 39.8   | 33.8      |
| 40°-50°   | 21.0   | 17.8      |
| 50°-60°   | 2.5    | 2.1       |
| 60°-70°   | 0.4    | 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°    | 53.7   | 45.5      |
| 0°-40°    | 93.5   | 79.2      |
| 0°-60°    | 117.0  | 99.2      |
| 0°-90°    | 118.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 118.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 14  | 14  | 14  | 14   | 14   |      |
| 5°  | 63  | 40  | 12  | 5    | 4    | 8    |
| 15° | 209 | 106 | 5   | 1    | 1    | 62   |
| 25° | 302 | 146 | 2   | 0    | 0    | 139  |
| 35° | 318 | 55  | 0   | 0    | 1    | 197  |
| 45° | 176 | 6   | 0   | 1    | 1    | 142  |
| 55° | 6   | 0   | 0   | 1    | 1    | 20   |
| 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°    | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  |
| 2.5°  | 31.1  | 31.1  | 31.0  | 30.1  | 30.0  | 29.9  | 28.3  | 27.9  | 26.0  | 24.7  | 18.8  |
| 5°    | 62.7  | 61.3  | 61.2  | 59.6  | 56.9  | 53.4  | 51.1  | 47.4  | 43.8  | 40.0  | 23.2  |
| 7.5°  | 99.9  | 101.1 | 97.8  | 96.1  | 90.2  | 85.9  | 79.3  | 73.5  | 65.4  | 57.8  | 26.8  |
| 10°   | 142.2 | 140.1 | 136.8 | 133.5 | 127.1 | 119.4 | 109.6 | 99.3  | 87.7  | 76.4  | 28.8  |
| 12.5° | 175.2 | 172.5 | 170.5 | 166.1 | 159.7 | 149.8 | 138.1 | 124.4 | 108.9 | 92.7  | 28.7  |
| 15°   | 209.3 | 206.6 | 202.2 | 198.2 | 188.7 | 177.6 | 165.0 | 146.8 | 127.9 | 106.3 | 26.6  |
| 17.5° | 246.8 | 243.3 | 238.4 | 232.3 | 223.1 | 210.8 | 194.8 | 172.6 | 145.8 | 117.5 | 22.8  |
| 20°   | 278.8 | 276.8 | 271.8 | 264.6 | 255.6 | 243.6 | 225.1 | 200.6 | 167.8 | 129.7 | 18.2  |
| 22.5° | 299.8 | 297.9 | 294.5 | 288.2 | 281.4 | 268.7 | 251.7 | 224.8 | 186.3 | 140.7 | 13.8  |
| 25°   | 301.5 | 300.7 | 299.8 | 297.7 | 293.6 | 284.5 | 268.0 | 239.0 | 197.8 | 146.1 | 10.2  |
| 27.5° | 300.6 | 300.3 | 300.1 | 299.0 | 296.3 | 287.3 | 270.4 | 241.1 | 196.3 | 137.7 | 7.5   |
| 30°   | 313.4 | 312.5 | 312.0 | 308.4 | 301.3 | 287.4 | 265.3 | 229.8 | 174.4 | 112.7 | 5.4   |
| 32.5° | 319.8 | 319.6 | 319.1 | 315.7 | 305.7 | 287.6 | 256.7 | 202.6 | 138.3 | 81.4  | 3.7   |
| 35°   | 318.5 | 317.5 | 315.7 | 309.3 | 295.4 | 272.8 | 229.0 | 161.8 | 99.8  | 54.6  | 2.4   |
| 37.5° | 314.2 | 311.9 | 308.4 | 296.7 | 278.3 | 247.3 | 185.7 | 119.1 | 67.9  | 35.3  | 1.4   |
| 40°   | 298.0 | 294.9 | 289.4 | 275.2 | 250.9 | 203.9 | 137.3 | 80.5  | 44.6  | 20.3  | 0.4   |
| 42.5° | 256.2 | 252.2 | 248.2 | 232.3 | 204.5 | 152.0 | 90.4  | 49.8  | 25.4  | 11.2  | 0.1   |
| 45°   | 175.6 | 170.6 | 165.2 | 153.6 | 131.3 | 92.1  | 53.8  | 28.0  | 13.2  | 6.3   | 0.1   |
| 47.5° | 122.0 | 119.7 | 110.1 | 95.3  | 73.1  | 48.8  | 27.8  | 13.8  | 7.0   | 2.9   | 0.1   |
| 50°   | 82.9  | 80.3  | 69.1  | 54.9  | 38.9  | 23.3  | 12.8  | 6.9   | 3.1   | 0.7   | 0.1   |
| 52.5° | 43.5  | 40.3  | 33.2  | 25.3  | 15.8  | 9.8   | 5.6   | 3.0   | 0.9   | 0.1   | 0.1   |
| 55°   | 6.4   | 5.9   | 4.8   | 3.9   | 3.5   | 2.7   | 1.6   | 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°    | 14.0 | 14.0   | 14.0 | 14.0   | 14.0 |
| 2.5°  | 13.8 | 10.2   | 7.9  | 6.8    | 6.7  |
| 5°    | 12.5 | 7.3    | 4.8  | 3.7    | 3.5  |
| 7.5°  | 10.6 | 5.1    | 2.8  | 2.0    | 1.9  |
| 10°   | 8.7  | 3.5    | 1.7  | 1.4    | 1.3  |
| 12.5° | 6.9  | 2.3    | 1.2  | 1.1    | 1.0  |
| 15°   | 5.3  | 1.5    | 0.9  | 0.8    | 0.8  |
| 17.5° | 4.0  | 1.0    | 0.7  | 0.7    | 0.7  |
| 20°   | 3.0  | 0.7    | 0.5  | 0.6    | 0.6  |
| 22.5° | 2.1  | 0.5    | 0.4  | 0.5    | 0.5  |
| 25°   | 1.5  | 0.4    | 0.4  | 0.5    | 0.5  |
| 27.5° | 1.0  | 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    | 0.9  |
| 47.5° | 0.2  | 0.4    | 0.7  | 0.9    | 0.9  |
| 50°   | 0.3  | 0.5    | 0.7  | 0.9    | 1.0  |
| 52.5° | 0.3  | 0.5    | 0.7  | 1.0    | 1.1  |
| 55°   | 0.3  | 0.5    | 0.8  | 1.0    | 1.1  |
| 57.5° | 0.3  | 0.6    | 0.8  | 1.0    | 1.1  |
| 60°   | 0.3  | 0.5    | 0.8  | 1.0    | 1.1  |
| 62.5° | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 65°   | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 67.5° | 0.4  | 0.5    | 0.7  | 0.9    | 0.9  |
| 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)