

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: P1335627

Luminaire Tested: P3A02R409027DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1335627  
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: P3A02R409027DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

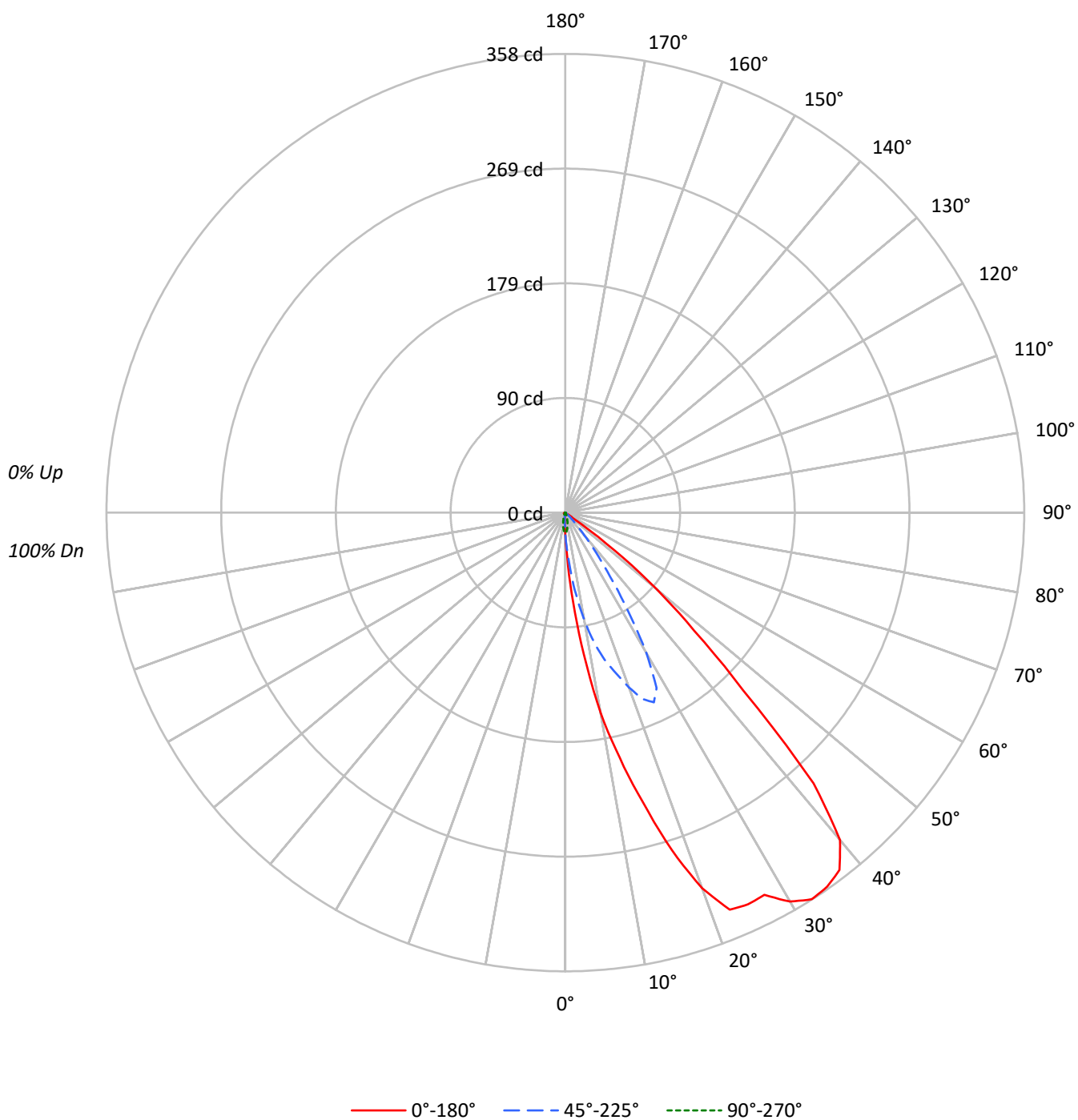
Lumens per Lamp: N/A  
Luminaire Lumens: 131.9 lumens  
Efficiency: N/A  
Efficacy: 36.7 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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°  | 3421  | 3421  | 3421 | 3421 | 3421 |
| 5°  | 15452 | 9839  | 3060 | 1189 | 858  |
| 10° | 35426 | 19038 | 2160 | 423  | 334  |
| 15° | 53167 | 26992 | 1339 | 227  | 204  |
| 20° | 72783 | 33836 | 770  | 140  | 163  |
| 25° | 81610 | 39535 | 411  | 97   | 145  |
| 30° | 88748 | 31929 | 177  | 76   | 152  |
| 35° | 95379 | 16329 | 54   | 107  | 187  |
| 40° | 95436 | 6527  | 29   | 115  | 229  |
| 45° | 60937 | 2171  | 62   | 217  | 310  |
| 50° | 31624 | 273   | 102  | 273  | 375  |
| 55° | 2714  | 38    | 115  | 344  | 459  |
| 60° | 88    | 44    | 132  | 395  | 526  |
| 65° | 104   | 52    | 208  | 415  | 571  |
| 70° | 64    | 64    | 256  | 449  | 577  |
| 75° | 85    | 85    | 254  | 508  | 678  |
| 80° | 126   | 126   | 379  | 379  | 505  |
| 85° | 0     | 252   | 755  | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60937 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.0    | 2.3       |
| 10°-20°   | 17.9   | 13.5      |
| 20°-30°   | 39.1   | 29.7      |
| 30°-40°   | 44.6   | 33.8      |
| 40°-50°   | 23.5   | 17.8      |
| 50°-60°   | 2.8    | 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°    | 60.0   | 45.5      |
| 0°-40°    | 104.6  | 79.3      |
| 0°-60°    | 130.9  | 99.2      |
| 0°-90°    | 131.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 131.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 16  | 16  | 16  | 16   | 16   |      |
| 5°  | 70  | 45  | 14  | 5    | 4    | 9    |
| 15° | 234 | 119 | 6   | 1    | 1    | 69   |
| 25° | 337 | 163 | 2   | 0    | 1    | 155  |
| 35° | 356 | 61  | 0   | 0    | 1    | 221  |
| 45° | 196 | 7   | 0   | 1    | 1    | 158  |
| 55° | 7   | 0   | 0   | 1    | 1    | 22   |
| 65° | 0   | 0   | 0   | 1    | 1    | 0    |
| 75° | 0   | 0   | 0   | 1    | 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°    | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  | 15.6  |
| 2.5°  | 34.8  | 34.8  | 34.7  | 33.7  | 33.6  | 33.5  | 31.7  | 31.2  | 29.1  | 27.7  | 21.1  |
| 5°    | 70.2  | 68.6  | 68.5  | 66.7  | 63.7  | 59.7  | 57.1  | 53.0  | 49.0  | 44.7  | 26.0  |
| 7.5°  | 111.8 | 113.1 | 109.4 | 107.5 | 100.9 | 96.1  | 88.7  | 82.2  | 73.2  | 64.7  | 30.0  |
| 10°   | 159.1 | 156.7 | 153.1 | 149.4 | 142.1 | 133.5 | 122.6 | 111.1 | 98.1  | 85.5  | 32.2  |
| 12.5° | 196.0 | 193.0 | 190.8 | 185.8 | 178.6 | 167.6 | 154.5 | 139.1 | 121.8 | 103.6 | 32.1  |
| 15°   | 234.2 | 231.2 | 226.1 | 221.7 | 211.1 | 198.7 | 184.5 | 164.2 | 143.0 | 118.9 | 29.8  |
| 17.5° | 276.1 | 272.2 | 266.6 | 259.8 | 249.6 | 235.8 | 217.9 | 193.1 | 163.1 | 131.4 | 25.5  |
| 20°   | 311.9 | 309.6 | 304.0 | 296.0 | 285.9 | 272.6 | 251.8 | 224.4 | 187.8 | 145.0 | 20.3  |
| 22.5° | 335.4 | 333.2 | 329.4 | 322.4 | 314.8 | 300.6 | 281.6 | 251.5 | 208.4 | 157.4 | 15.4  |
| 25°   | 337.3 | 336.4 | 335.4 | 333.0 | 328.4 | 318.3 | 299.8 | 267.3 | 221.2 | 163.4 | 11.4  |
| 27.5° | 336.3 | 335.9 | 335.7 | 334.5 | 331.5 | 321.4 | 302.5 | 269.7 | 219.6 | 154.1 | 8.4   |
| 30°   | 350.5 | 349.5 | 349.0 | 345.0 | 337.0 | 321.5 | 296.8 | 257.0 | 195.1 | 126.1 | 6.0   |
| 32.5° | 357.8 | 357.6 | 357.0 | 353.1 | 341.9 | 321.8 | 287.2 | 226.6 | 154.7 | 91.0  | 4.1   |
| 35°   | 356.3 | 355.2 | 353.2 | 346.0 | 330.5 | 305.1 | 256.2 | 181.0 | 111.7 | 61.0  | 2.7   |
| 37.5° | 351.4 | 348.9 | 345.0 | 331.9 | 311.3 | 276.7 | 207.7 | 133.2 | 76.0  | 39.5  | 1.6   |
| 40°   | 333.4 | 329.9 | 323.8 | 307.8 | 280.7 | 228.0 | 153.6 | 90.0  | 49.9  | 22.8  | 0.4   |
| 42.5° | 286.6 | 282.1 | 277.7 | 259.8 | 228.8 | 170.0 | 101.1 | 55.7  | 28.4  | 12.5  | 0.1   |
| 45°   | 196.5 | 190.9 | 184.8 | 171.8 | 146.9 | 103.0 | 60.1  | 31.3  | 14.7  | 7.0   | 0.1   |
| 47.5° | 136.4 | 133.9 | 123.2 | 106.7 | 81.8  | 54.6  | 31.1  | 15.4  | 7.8   | 3.2   | 0.1   |
| 50°   | 92.7  | 89.8  | 77.3  | 61.4  | 43.5  | 26.1  | 14.3  | 7.7   | 3.5   | 0.8   | 0.1   |
| 52.5° | 48.6  | 45.1  | 37.2  | 28.3  | 17.6  | 10.9  | 6.2   | 3.3   | 1.0   | 0.1   | 0.1   |
| 55°   | 7.1   | 6.6   | 5.4   | 4.4   | 3.9   | 3.0   | 1.8   | 0.8   | 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°    | 15.6 | 15.6   | 15.6 | 15.6   | 15.6 |
| 2.5°  | 15.4 | 11.4   | 8.8  | 7.6    | 7.5  |
| 5°    | 13.9 | 8.1    | 5.4  | 4.1    | 3.9  |
| 7.5°  | 11.8 | 5.7    | 3.1  | 2.2    | 2.1  |
| 10°   | 9.7  | 3.9    | 1.9  | 1.6    | 1.5  |
| 12.5° | 7.7  | 2.6    | 1.3  | 1.2    | 1.1  |
| 15°   | 5.9  | 1.7    | 1.0  | 0.9    | 0.9  |
| 17.5° | 4.5  | 1.1    | 0.8  | 0.8    | 0.8  |
| 20°   | 3.3  | 0.8    | 0.6  | 0.7    | 0.7  |
| 22.5° | 2.3  | 0.6    | 0.4  | 0.6    | 0.6  |
| 25°   | 1.7  | 0.4    | 0.4  | 0.6    | 0.6  |
| 27.5° | 1.1  | 0.3    | 0.3  | 0.4    | 0.6  |
| 30°   | 0.7  | 0.2    | 0.3  | 0.4    | 0.6  |
| 32.5° | 0.3  | 0.2    | 0.3  | 0.6    | 0.6  |
| 35°   | 0.2  | 0.3    | 0.4  | 0.6    | 0.7  |
| 37.5° | 0.1  | 0.3    | 0.4  | 0.7    | 0.7  |
| 40°   | 0.1  | 0.3    | 0.4  | 0.7    | 0.8  |
| 42.5° | 0.2  | 0.4    | 0.6  | 0.8    | 0.9  |
| 45°   | 0.2  | 0.4    | 0.7  | 0.9    | 1.0  |
| 47.5° | 0.2  | 0.4    | 0.8  | 1.0    | 1.0  |
| 50°   | 0.3  | 0.6    | 0.8  | 1.0    | 1.1  |
| 52.5° | 0.3  | 0.6    | 0.8  | 1.1    | 1.2  |
| 55°   | 0.3  | 0.6    | 0.9  | 1.1    | 1.2  |
| 57.5° | 0.3  | 0.7    | 0.9  | 1.1    | 1.2  |
| 60°   | 0.3  | 0.6    | 0.9  | 1.1    | 1.2  |
| 62.5° | 0.4  | 0.6    | 0.8  | 1.1    | 1.1  |
| 65°   | 0.4  | 0.6    | 0.8  | 1.1    | 1.1  |
| 67.5° | 0.4  | 0.6    | 0.8  | 1.0    | 1.0  |
| 70°   | 0.4  | 0.6    | 0.7  | 0.9    | 0.9  |
| 72.5° | 0.4  | 0.6    | 0.7  | 0.8    | 0.9  |
| 75°   | 0.3  | 0.4    | 0.6  | 0.7    | 0.8  |
| 77.5° | 0.3  | 0.4    | 0.4  | 0.7    | 0.7  |
| 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)