

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: P1336075

Luminaire Tested: P3A02R459730DE010 E3A301LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336075  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R459730DE010 E3A301LI  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

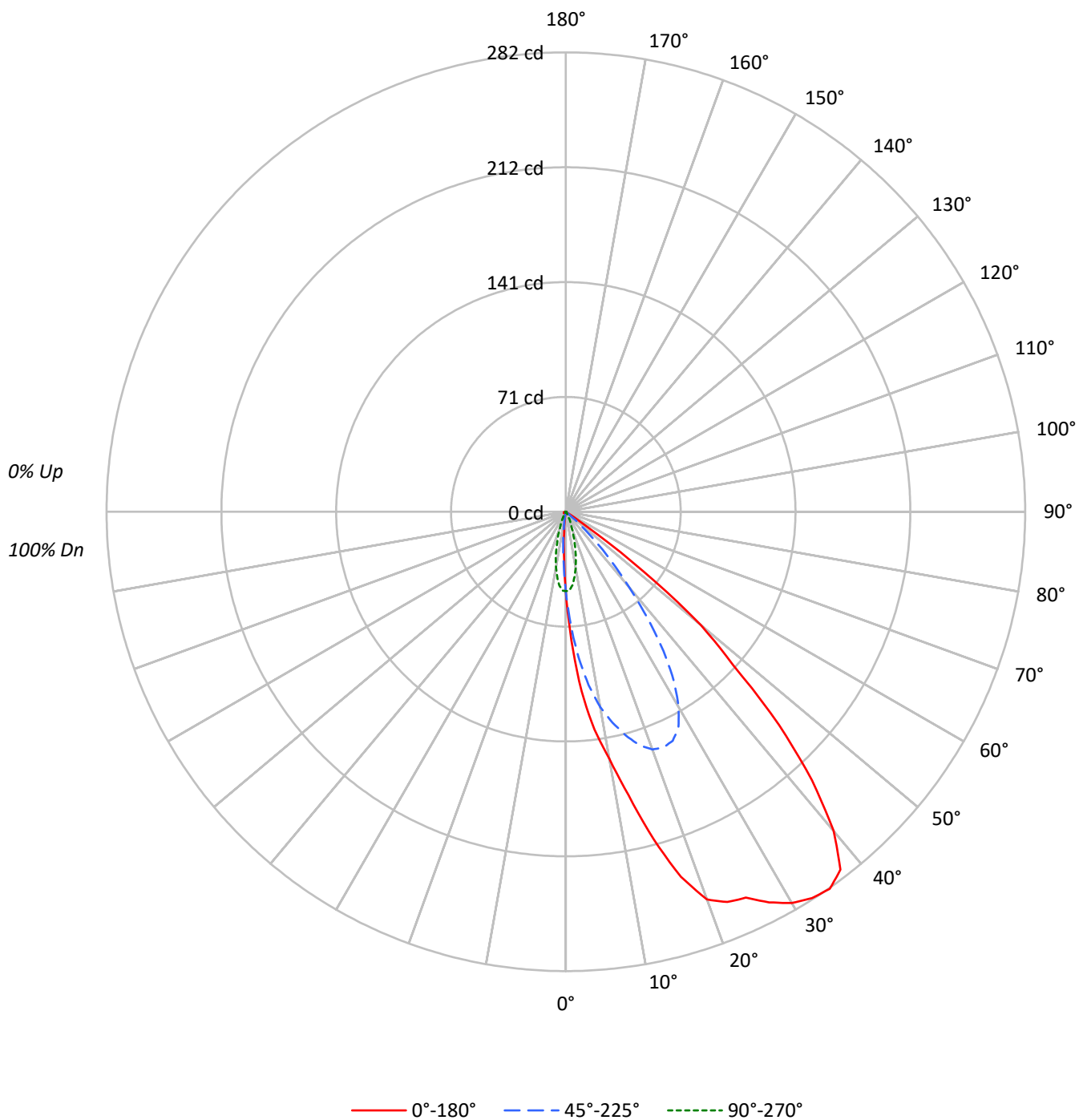
Lumens per Lamp: N/A  
Luminaire Lumens: 127.9 lumens  
Efficiency: N/A  
Efficacy: 35.5 lumens/watt  
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 96  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 95  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 76  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 64  | 73  | 67  | 63  |  | 71  | 66  | 62  |  | 70  |
| 6   | 81  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  |  | 66  | 60  | 56  |  | 64  |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 57  | 52  | 62  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  |  | 56  | 51  | 47  |  | 55  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 51  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  |  | 49  | 43  | 39  |  | 48  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 10679 | 10679 | 10679 | 10679 | 10679 |
| 5°  | 24345 | 19745 | 9993  | 4006  | 2729  |
| 10° | 34290 | 27120 | 7726  | 891   | 401   |
| 15° | 47265 | 32282 | 4926  | 295   | 250   |
| 20° | 59108 | 36240 | 2567  | 210   | 210   |
| 25° | 63246 | 37526 | 1186  | 145   | 169   |
| 30° | 70213 | 35043 | 532   | 152   | 177   |
| 35° | 75623 | 27947 | 161   | 161   | 241   |
| 40° | 73166 | 17318 | 86    | 200   | 286   |
| 45° | 57463 | 8156  | 93    | 279   | 341   |
| 50° | 36911 | 955   | 136   | 341   | 443   |
| 55° | 5620  | 76    | 153   | 421   | 535   |
| 60° | 88    | 88    | 175   | 482   | 570   |
| 65° | 104   | 104   | 208   | 519   | 675   |
| 70° | 128   | 128   | 256   | 577   | 769   |
| 75° | 85    | 169   | 339   | 593   | 847   |
| 80° | 126   | 253   | 379   | 631   | 884   |
| 85° | 0     | 252   | 503   | 755   | 755   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57463 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.3    | 4.2       |
| 10°-20°   | 19.3   | 15.1      |
| 20°-30°   | 33.8   | 26.5      |
| 30°-40°   | 38.4   | 30.0      |
| 40°-50°   | 24.9   | 19.5      |
| 50°-60°   | 4.9    | 3.8       |
| 60°-70°   | 0.6    | 0.5       |
| 70°-80°   | 0.5    | 0.4       |
| 80°-90°   | 0.2    | 0.2       |
| 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°    | 58.5   | 45.7      |
| 0°-40°    | 96.9   | 75.7      |
| 0°-60°    | 126.7  | 99.0      |
| 0°-90°    | 127.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 127.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 49  | 49  | 49  | 49   | 49   |      |
| 5°  | 111 | 90  | 45  | 18   | 12   | 12   |
| 15° | 208 | 142 | 22  | 1    | 1    | 60   |
| 25° | 261 | 155 | 5   | 1    | 1    | 123  |
| 35° | 282 | 104 | 1   | 1    | 1    | 174  |
| 45° | 185 | 26  | 0   | 1    | 1    | 140  |
| 55° | 15  | 0   | 0   | 1    | 1    | 28   |
| 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°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  |
| 2.5°  | 79.1  | 78.9  | 79.2  | 77.1  | 77.0  | 75.4  | 74.9  | 73.1  | 70.7  | 69.5  | 66.7  |
| 5°    | 110.6 | 109.5 | 109.5 | 106.9 | 106.1 | 104.3 | 101.2 | 97.3  | 94.1  | 89.7  | 85.0  |
| 7.5°  | 134.9 | 134.7 | 134.7 | 132.4 | 130.3 | 127.7 | 123.5 | 119.1 | 114.0 | 107.3 | 100.4 |
| 10°   | 154.0 | 154.4 | 153.4 | 151.4 | 148.3 | 145.5 | 140.6 | 135.2 | 128.9 | 121.8 | 112.7 |
| 12.5° | 178.2 | 175.9 | 175.1 | 170.5 | 166.6 | 161.2 | 155.3 | 149.2 | 141.4 | 132.5 | 122.2 |
| 15°   | 208.2 | 205.2 | 202.2 | 196.1 | 189.5 | 181.2 | 172.0 | 163.0 | 153.0 | 142.2 | 129.3 |
| 17.5° | 235.0 | 235.0 | 231.0 | 221.4 | 212.8 | 200.6 | 188.2 | 176.2 | 164.3 | 150.1 | 134.0 |
| 20°   | 253.3 | 252.3 | 249.3 | 242.2 | 232.5 | 218.7 | 202.5 | 185.7 | 171.4 | 155.3 | 136.7 |
| 22.5° | 259.3 | 259.1 | 259.2 | 255.0 | 247.2 | 232.8 | 213.0 | 193.2 | 175.2 | 156.6 | 135.4 |
| 25°   | 261.4 | 261.8 | 262.9 | 261.3 | 255.4 | 241.1 | 219.4 | 196.8 | 176.4 | 155.1 | 130.5 |
| 27.5° | 270.3 | 269.4 | 270.6 | 269.5 | 262.9 | 245.8 | 220.7 | 195.9 | 173.8 | 149.7 | 121.7 |
| 30°   | 277.3 | 277.0 | 279.1 | 278.1 | 269.4 | 248.8 | 219.6 | 192.7 | 167.5 | 138.4 | 107.9 |
| 32.5° | 281.2 | 281.3 | 281.9 | 277.9 | 265.0 | 242.2 | 213.8 | 186.2 | 155.6 | 123.7 | 89.9  |
| 35°   | 282.5 | 281.9 | 278.9 | 269.1 | 251.6 | 227.2 | 199.5 | 170.6 | 139.5 | 104.4 | 71.1  |
| 37.5° | 276.9 | 273.6 | 265.9 | 251.3 | 231.0 | 208.2 | 181.3 | 151.0 | 117.3 | 82.4  | 53.0  |
| 40°   | 255.6 | 251.2 | 241.5 | 226.6 | 207.7 | 185.6 | 158.1 | 126.4 | 91.0  | 60.5  | 37.3  |
| 42.5° | 223.7 | 221.5 | 211.3 | 198.4 | 182.3 | 160.0 | 131.7 | 99.6  | 67.3  | 41.7  | 23.8  |
| 45°   | 185.3 | 182.4 | 176.0 | 164.5 | 151.9 | 128.6 | 102.1 | 71.3  | 45.9  | 26.3  | 11.8  |
| 47.5° | 138.9 | 139.2 | 134.8 | 126.1 | 113.7 | 94.2  | 69.9  | 47.9  | 28.8  | 13.6  | 2.7   |
| 50°   | 108.2 | 106.7 | 100.5 | 91.6  | 77.2  | 62.7  | 45.2  | 30.2  | 15.2  | 2.8   | 0.2   |
| 52.5° | 59.9  | 60.9  | 57.6  | 54.7  | 47.2  | 37.5  | 26.7  | 15.3  | 3.2   | 0.3   | 0.2   |
| 55°   | 14.7  | 15.5  | 14.9  | 15.2  | 15.7  | 14.0  | 10.8  | 3.0   | 0.3   | 0.2   | 0.2   |
| 57.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   | 0.7   | 0.7   | 0.2   | 0.2   | 0.2   | 0.2   |
| 60°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.1   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.2   | 0.2   |
| 75°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.2   | 0.2   |
| 77.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.2   |
| 80°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 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   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   |
| 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):**

|       | 55°   | 60°  | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|-------|------|--------|------|--------|------|
| 0°    | 48.7  | 48.7 | 48.7  | 48.7 | 48.7   | 48.7 | 48.7   | 48.7 |
| 2.5°  | 65.3  | 63.3 | 59.5  | 48.4 | 38.9   | 31.4 | 26.9   | 26.4 |
| 5°    | 80.8  | 75.4 | 67.4  | 45.4 | 28.7   | 18.2 | 13.2   | 12.4 |
| 7.5°  | 93.1  | 85.4 | 73.2  | 40.5 | 19.6   | 9.3  | 5.1    | 4.3  |
| 10°   | 103.3 | 92.4 | 76.2  | 34.7 | 12.3   | 4.0  | 2.1    | 1.8  |
| 12.5° | 110.3 | 97.1 | 76.8  | 28.3 | 7.1    | 1.9  | 1.4    | 1.3  |
| 15°   | 114.8 | 98.6 | 74.2  | 21.7 | 4.0    | 1.3  | 1.2    | 1.1  |
| 17.5° | 116.6 | 97.3 | 69.3  | 15.7 | 2.1    | 1.0  | 1.0    | 1.0  |
| 20°   | 115.7 | 93.1 | 62.0  | 11.0 | 1.4    | 0.9  | 0.9    | 0.9  |
| 22.5° | 111.7 | 86.0 | 52.9  | 7.4  | 1.0    | 0.7  | 0.7    | 0.7  |
| 25°   | 103.6 | 76.2 | 43.2  | 4.9  | 0.6    | 0.6  | 0.7    | 0.7  |
| 27.5° | 91.6  | 64.2 | 33.1  | 3.3  | 0.5    | 0.6  | 0.7    | 0.7  |
| 30°   | 76.5  | 50.8 | 23.8  | 2.1  | 0.5    | 0.6  | 0.6    | 0.7  |
| 32.5° | 60.8  | 37.0 | 15.6  | 1.3  | 0.4    | 0.6  | 0.7    | 0.9  |
| 35°   | 44.1  | 25.3 | 10.0  | 0.6  | 0.5    | 0.6  | 0.7    | 0.9  |
| 37.5° | 30.9  | 16.5 | 5.8   | 0.4  | 0.5    | 0.6  | 0.9    | 0.9  |
| 40°   | 20.1  | 9.2  | 2.1   | 0.3  | 0.5    | 0.7  | 0.9    | 1.0  |
| 42.5° | 10.5  | 3.2  | 0.4   | 0.3  | 0.5    | 0.7  | 1.0    | 1.1  |
| 45°   | 2.7   | 0.4  | 0.1   | 0.3  | 0.6    | 0.9  | 1.1    | 1.1  |
| 47.5° | 0.3   | 0.1  | 0.1   | 0.4  | 0.6    | 1.0  | 1.1    | 1.2  |
| 50°   | 0.1   | 0.2  | 0.2   | 0.4  | 0.6    | 1.0  | 1.2    | 1.3  |
| 52.5° | 0.2   | 0.2  | 0.2   | 0.4  | 0.7    | 1.0  | 1.3    | 1.4  |
| 55°   | 0.2   | 0.2  | 0.2   | 0.4  | 0.7    | 1.1  | 1.3    | 1.4  |
| 57.5° | 0.2   | 0.2  | 0.2   | 0.4  | 0.7    | 1.1  | 1.3    | 1.3  |
| 60°   | 0.2   | 0.2  | 0.2   | 0.4  | 0.7    | 1.1  | 1.3    | 1.3  |
| 62.5° | 0.2   | 0.2  | 0.3   | 0.4  | 0.7    | 1.0  | 1.3    | 1.3  |
| 65°   | 0.2   | 0.3  | 0.3   | 0.4  | 0.7    | 1.0  | 1.2    | 1.3  |
| 67.5° | 0.2   | 0.2  | 0.3   | 0.4  | 0.7    | 1.0  | 1.2    | 1.3  |
| 70°   | 0.2   | 0.2  | 0.3   | 0.4  | 0.6    | 0.9  | 1.1    | 1.2  |
| 72.5° | 0.2   | 0.2  | 0.3   | 0.4  | 0.6    | 0.9  | 1.0    | 1.1  |
| 75°   | 0.2   | 0.2  | 0.3   | 0.4  | 0.5    | 0.7  | 1.0    | 1.0  |
| 77.5° | 0.2   | 0.2  | 0.3   | 0.3  | 0.5    | 0.6  | 0.9    | 0.9  |
| 80°   | 0.2   | 0.2  | 0.3   | 0.3  | 0.4    | 0.5  | 0.6    | 0.7  |
| 82.5° | 0.2   | 0.2  | 0.2   | 0.3  | 0.3    | 0.4  | 0.5    | 0.5  |
| 85°   | 0.2   | 0.2  | 0.2   | 0.2  | 0.2    | 0.3  | 0.3    | 0.3  |
| 87.5° | 0.1   | 0.2  | 0.2   | 0.2  | 0.2    | 0.2  | 0.2    | 0.1  |
| 90°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)