

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: P1338835

Luminaire Tested: P3A05R409030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338835  
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: P3A05R409030D2WDE010 E3A301GPH  
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

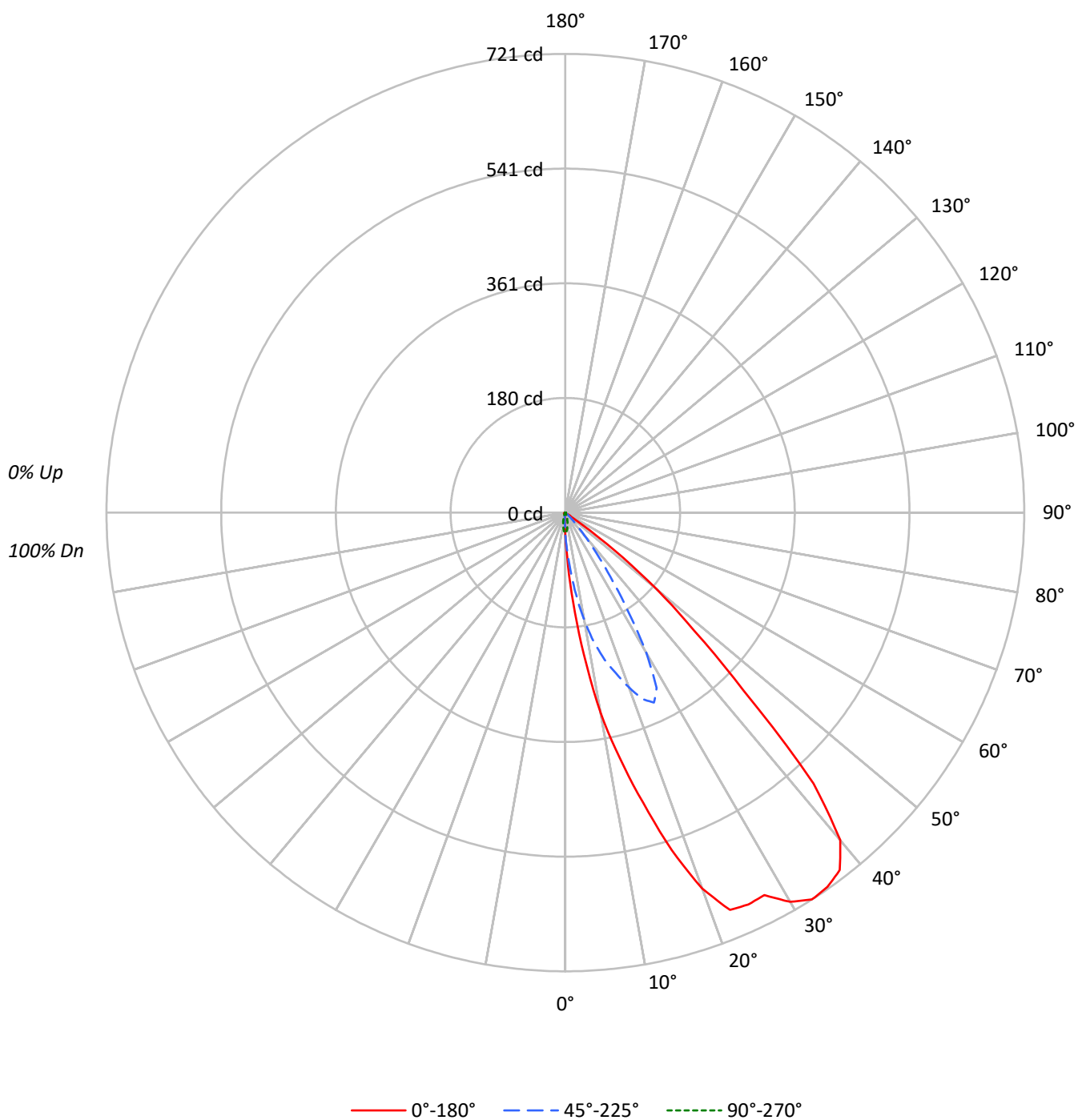
Lumens per Lamp: N/A  
Luminaire Lumens: 265.9 lumens  
Efficiency: N/A  
Efficacy: 24.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 52  | 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°  | 6907   | 6907  | 6907 | 6907 | 6907 |
| 5°  | 31125  | 19855 | 6185 | 2377 | 1739 |
| 10° | 71386  | 38343 | 4364 | 846  | 646  |
| 15° | 107129 | 54416 | 2701 | 454  | 409  |
| 20° | 146686 | 68209 | 1563 | 257  | 303  |
| 25° | 164429 | 79698 | 823  | 218  | 266  |
| 30° | 178863 | 64314 | 329  | 177  | 279  |
| 35° | 192230 | 32926 | 107  | 241  | 348  |
| 40° | 192303 | 13139 | 57   | 258  | 458  |
| 45° | 122772 | 4404  | 124  | 403  | 620  |
| 50° | 63725  | 546   | 239  | 546  | 751  |
| 55° | 5505   | 76    | 268  | 688  | 956  |
| 60° | 175    | 88    | 307  | 789  | 1096 |
| 65° | 208    | 104   | 467  | 830  | 1141 |
| 70° | 128    | 128   | 577  | 833  | 1154 |
| 75° | 169    | 169   | 593  | 932  | 1356 |
| 80° | 253    | 253   | 884  | 884  | 1137 |
| 85° | 0      | 503   | 1761 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 122772 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.1    | 2.3       |
| 10°-20°   | 36.0   | 13.5      |
| 20°-30°   | 78.8   | 29.6      |
| 30°-40°   | 89.8   | 33.8      |
| 40°-50°   | 47.4   | 17.8      |
| 50°-60°   | 5.6    | 2.1       |
| 60°-70°   | 1.0    | 0.4       |
| 70°-80°   | 0.8    | 0.3       |
| 80°-90°   | 0.4    | 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°    | 121.0  | 45.5      |
| 0°-40°    | 210.8  | 79.3      |
| 0°-60°    | 263.8  | 99.2      |
| 0°-90°    | 265.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 265.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 32  | 32  | 32  | 32   | 32   |      |
| 5°  | 141 | 90  | 28  | 11   | 8    | 19   |
| 15° | 472 | 240 | 12  | 2    | 2    | 139  |
| 25° | 680 | 329 | 3   | 1    | 1    | 313  |
| 35° | 718 | 123 | 0   | 1    | 1    | 445  |
| 45° | 396 | 14  | 0   | 1    | 2    | 319  |
| 55° | 14  | 0   | 1   | 2    | 2    | 45   |
| 65° | 0   | 0   | 1   | 2    | 2    | 0    |
| 75° | 0   | 0   | 1   | 1    | 2    | 0    |
| 85° | 0   | 0   | 1   | 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°    | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  |
| 2.5°  | 70.1  | 70.1  | 69.9  | 67.9  | 67.7  | 67.4  | 63.8  | 62.9  | 58.7  | 55.8  | 42.5  |
| 5°    | 141.4 | 138.3 | 138.0 | 134.4 | 128.4 | 120.3 | 115.1 | 106.8 | 98.7  | 90.2  | 52.4  |
| 7.5°  | 225.3 | 228.0 | 220.5 | 216.7 | 203.2 | 193.6 | 178.7 | 165.7 | 147.5 | 130.4 | 60.5  |
| 10°   | 320.6 | 315.9 | 308.5 | 301.0 | 286.4 | 269.1 | 247.1 | 223.9 | 197.6 | 172.2 | 65.0  |
| 12.5° | 395.0 | 388.9 | 384.4 | 374.3 | 359.9 | 337.7 | 311.4 | 280.3 | 245.5 | 208.9 | 64.7  |
| 15°   | 471.9 | 465.8 | 455.7 | 446.7 | 425.4 | 400.4 | 371.8 | 330.9 | 288.2 | 239.7 | 60.0  |
| 17.5° | 556.4 | 548.6 | 537.3 | 523.6 | 502.9 | 475.3 | 439.1 | 389.2 | 328.7 | 264.8 | 51.5  |
| 20°   | 628.6 | 623.9 | 612.6 | 596.4 | 576.2 | 549.2 | 507.4 | 452.1 | 378.4 | 292.3 | 40.9  |
| 22.5° | 675.8 | 671.5 | 663.9 | 649.7 | 634.4 | 605.7 | 567.4 | 506.7 | 420.0 | 317.2 | 31.0  |
| 25°   | 679.6 | 677.8 | 675.8 | 671.1 | 661.9 | 641.4 | 604.1 | 538.7 | 445.8 | 329.4 | 22.9  |
| 27.5° | 677.6 | 676.9 | 676.5 | 674.0 | 667.9 | 647.7 | 609.5 | 543.4 | 442.4 | 310.5 | 16.9  |
| 30°   | 706.4 | 704.4 | 703.2 | 695.1 | 679.2 | 647.9 | 598.0 | 518.0 | 393.2 | 254.0 | 12.1  |
| 32.5° | 721.0 | 720.5 | 719.4 | 711.6 | 689.1 | 648.4 | 578.7 | 456.6 | 311.8 | 183.5 | 8.3   |
| 35°   | 718.1 | 715.8 | 711.8 | 697.2 | 665.9 | 614.9 | 516.2 | 364.7 | 225.0 | 123.0 | 5.4   |
| 37.5° | 708.2 | 703.0 | 695.1 | 668.8 | 627.2 | 557.5 | 418.6 | 268.4 | 153.1 | 79.6  | 3.1   |
| 40°   | 671.8 | 664.8 | 652.4 | 620.3 | 565.6 | 459.5 | 309.6 | 181.4 | 100.5 | 45.9  | 0.9   |
| 42.5° | 577.6 | 568.6 | 559.6 | 523.6 | 461.1 | 342.6 | 203.7 | 112.2 | 57.3  | 25.2  | 0.2   |
| 45°   | 395.9 | 384.7 | 372.3 | 346.2 | 296.1 | 207.5 | 121.2 | 63.2  | 29.7  | 14.2  | 0.2   |
| 47.5° | 275.0 | 269.8 | 248.2 | 214.9 | 164.8 | 109.9 | 62.7  | 31.0  | 15.7  | 6.5   | 0.2   |
| 50°   | 186.8 | 181.0 | 155.8 | 123.7 | 87.7  | 52.6  | 28.8  | 15.5  | 7.0   | 1.6   | 0.2   |
| 52.5° | 98.0  | 90.8  | 74.9  | 57.1  | 35.5  | 22.0  | 12.6  | 6.7   | 2.0   | 0.2   | 0.2   |
| 55°   | 14.4  | 13.3  | 10.8  | 8.8   | 7.9   | 6.1   | 3.6   | 1.6   | 0.2   | 0.2   | 0.4   |
| 57.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   | 0.7   | 0.4   | 0.2   | 0.2   | 0.2   | 0.4   |
| 60°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 62.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 65°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 67.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.7   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.7   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.7   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.4   |
| 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°    | 31.5 | 31.5   | 31.5 | 31.5   | 31.5 |
| 2.5°  | 31.0 | 22.9   | 17.8 | 15.3   | 15.1 |
| 5°    | 28.1 | 16.4   | 10.8 | 8.3    | 7.9  |
| 7.5°  | 23.8 | 11.5   | 6.3  | 4.5    | 4.3  |
| 10°   | 19.6 | 7.9    | 3.8  | 3.1    | 2.9  |
| 12.5° | 15.5 | 5.2    | 2.7  | 2.5    | 2.2  |
| 15°   | 11.9 | 3.4    | 2.0  | 1.8    | 1.8  |
| 17.5° | 9.0  | 2.2    | 1.6  | 1.6    | 1.6  |
| 20°   | 6.7  | 1.6    | 1.1  | 1.3    | 1.3  |
| 22.5° | 4.7  | 1.1    | 0.9  | 1.1    | 1.1  |
| 25°   | 3.4  | 0.9    | 0.9  | 1.1    | 1.1  |
| 27.5° | 2.2  | 0.7    | 0.7  | 0.9    | 1.1  |
| 30°   | 1.3  | 0.4    | 0.7  | 0.9    | 1.1  |
| 32.5° | 0.7  | 0.4    | 0.7  | 1.1    | 1.1  |
| 35°   | 0.4  | 0.7    | 0.9  | 1.1    | 1.3  |
| 37.5° | 0.2  | 0.7    | 0.9  | 1.3    | 1.3  |
| 40°   | 0.2  | 0.7    | 0.9  | 1.3    | 1.6  |
| 42.5° | 0.4  | 0.9    | 1.1  | 1.6    | 1.8  |
| 45°   | 0.4  | 0.9    | 1.3  | 1.8    | 2.0  |
| 47.5° | 0.4  | 0.9    | 1.6  | 2.0    | 2.0  |
| 50°   | 0.7  | 1.1    | 1.6  | 2.0    | 2.2  |
| 52.5° | 0.7  | 1.1    | 1.6  | 2.2    | 2.5  |
| 55°   | 0.7  | 1.1    | 1.8  | 2.2    | 2.5  |
| 57.5° | 0.7  | 1.3    | 1.8  | 2.2    | 2.5  |
| 60°   | 0.7  | 1.1    | 1.8  | 2.2    | 2.5  |
| 62.5° | 0.9  | 1.1    | 1.6  | 2.2    | 2.2  |
| 65°   | 0.9  | 1.1    | 1.6  | 2.2    | 2.2  |
| 67.5° | 0.9  | 1.1    | 1.6  | 2.0    | 2.0  |
| 70°   | 0.9  | 1.1    | 1.3  | 1.8    | 1.8  |
| 72.5° | 0.9  | 1.1    | 1.3  | 1.6    | 1.8  |
| 75°   | 0.7  | 0.9    | 1.1  | 1.3    | 1.6  |
| 77.5° | 0.7  | 0.9    | 0.9  | 1.3    | 1.3  |
| 80°   | 0.7  | 0.7    | 0.7  | 0.9    | 0.9  |
| 82.5° | 0.7  | 0.7    | 0.4  | 0.7    | 0.7  |
| 85°   | 0.7  | 0.4    | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)