

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: P1337944

Luminaire Tested: P3A05R309740DE010 E3A301WMH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337944  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R309740DE010 E3A301WMH  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

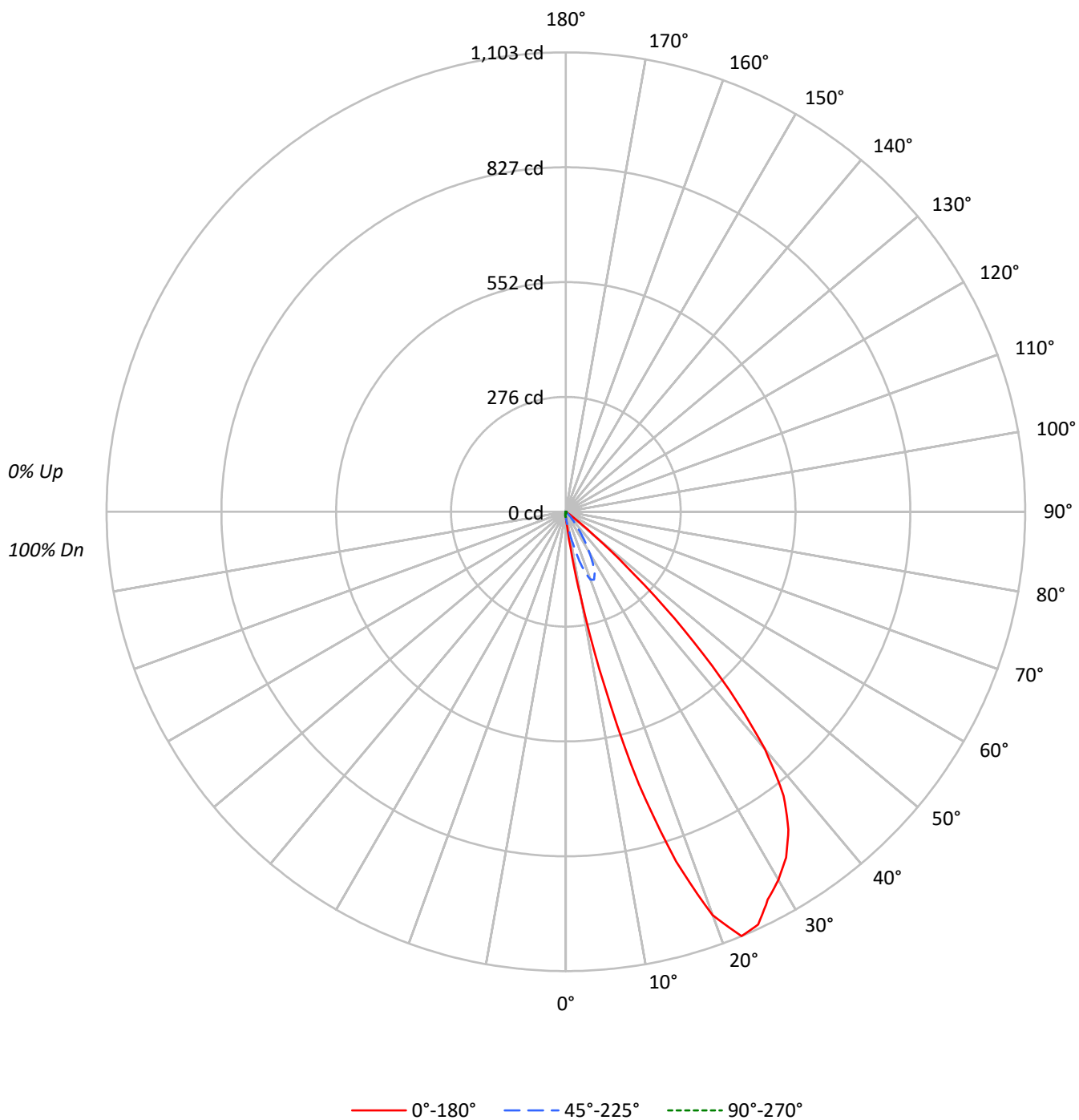
Lumens per Lamp: N/A  
Luminaire Lumens: 260.0 lumens  
Efficiency: N/A  
Efficacy: 36.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 67  | 55  | 48  | 43  | 65  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2719   | 2719  | 2719 | 2719 | 2719 |
| 5°  | 8166   | 5437  | 2553 | 1145 | 947  |
| 10° | 47249  | 11534 | 2004 | 534  | 379  |
| 15° | 153667 | 26152 | 1407 | 114  | 45   |
| 20° | 240448 | 40464 | 887  | 0    | 0    |
| 25° | 264523 | 39559 | 460  | 0    | 0    |
| 30° | 258369 | 28511 | 177  | 0    | 0    |
| 35° | 249382 | 16222 | 54   | 0    | 0    |
| 40° | 212656 | 6870  | 0    | 0    | 0    |
| 45° | 124819 | 2574  | 62   | 0    | 62   |
| 50° | 30327  | 478   | 68   | 68   | 239  |
| 55° | 2638   | 0     | 191  | 268  | 382  |
| 60° | 88     | 0     | 219  | 307  | 526  |
| 65° | 104    | 104   | 363  | 363  | 623  |
| 70° | 128    | 128   | 449  | 449  | 641  |
| 75° | 0      | 169   | 593  | 593  | 593  |
| 80° | 0      | 253   | 884  | 631  | 631  |
| 85° | 0      | 503   | 1761 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 124819 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.3    | 0.9       |
| 10°-20°   | 35.7   | 13.7      |
| 20°-30°   | 90.8   | 34.9      |
| 30°-40°   | 90.5   | 34.8      |
| 40°-50°   | 36.7   | 14.1      |
| 50°-60°   | 2.5    | 1.0       |
| 60°-70°   | 0.6    | 0.2       |
| 70°-80°   | 0.6    | 0.2       |
| 80°-90°   | 0.3    | 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°    | 128.8  | 49.5      |
| 0°-40°    | 219.3  | 84.4      |
| 0°-60°    | 258.5  | 99.4      |
| 0°-90°    | 260.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 260.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 12   | 12  | 12  | 12   | 12   |      |
| 5°  | 37   | 25  | 12  | 5    | 4    | 9    |
| 15° | 677  | 115 | 6   | 0    | 0    | 197  |
| 25° | 1093 | 164 | 2   | 0    | 0    | 494  |
| 35° | 932  | 61  | 0   | 0    | 0    | 571  |
| 45° | 402  | 8   | 0   | 0    | 0    | 307  |
| 55° | 7    | 0   | 0   | 1    | 1    | 18   |
| 65° | 0    | 0   | 1   | 1    | 1    | 0    |
| 75° | 0    | 0   | 1   | 1    | 1    | 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°    | 12.4   | 12.4   | 12.4   | 12.4   | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  |
| 2.5°  | 20.4   | 20.7   | 20.7   | 20.2   | 20.0  | 20.0  | 19.2  | 19.0  | 18.3  | 17.6  | 15.2  |
| 5°    | 37.1   | 36.3   | 35.4   | 35.4   | 33.3  | 32.1  | 30.4  | 28.5  | 27.1  | 24.7  | 17.6  |
| 7.5°  | 84.1   | 78.4   | 76.7   | 74.6   | 66.5  | 60.1  | 52.7  | 46.3  | 40.4  | 35.4  | 19.5  |
| 10°   | 212.2  | 201.0  | 191.7  | 173.0  | 149.4 | 126.9 | 106.0 | 81.7  | 65.1  | 51.8  | 20.9  |
| 12.5° | 427.4  | 412.4  | 394.6  | 360.4  | 316.5 | 260.2 | 210.3 | 157.0 | 110.2 | 76.3  | 21.4  |
| 15°   | 676.9  | 651.4  | 623.6  | 580.2  | 508.2 | 427.4 | 337.4 | 252.5 | 177.0 | 115.2 | 20.9  |
| 17.5° | 880.2  | 870.3  | 829.2  | 769.8  | 681.6 | 577.6 | 466.6 | 350.7 | 238.8 | 150.9 | 19.5  |
| 20°   | 1030.4 | 1023.5 | 973.8  | 910.6  | 811.3 | 692.1 | 551.2 | 412.0 | 281.8 | 173.4 | 17.3  |
| 22.5° | 1102.8 | 1101.7 | 1065.8 | 1001.2 | 895.9 | 760.7 | 605.6 | 447.4 | 295.1 | 176.5 | 14.5  |
| 25°   | 1093.3 | 1097.6 | 1077.2 | 1029.2 | 928.2 | 789.0 | 621.7 | 447.4 | 285.3 | 163.5 | 12.1  |
| 27.5° | 1050.1 | 1053.0 | 1040.1 | 1003.3 | 909.2 | 768.6 | 599.2 | 418.6 | 257.1 | 140.4 | 10.0  |
| 30°   | 1020.4 | 1021.6 | 1005.7 | 966.2  | 866.5 | 722.0 | 546.0 | 365.4 | 214.3 | 112.6 | 7.4   |
| 32.5° | 984.3  | 984.1  | 965.5  | 920.4  | 810.4 | 656.7 | 478.5 | 302.0 | 164.6 | 85.5  | 4.3   |
| 35°   | 931.6  | 925.6  | 900.4  | 848.4  | 726.8 | 568.8 | 392.2 | 230.0 | 118.6 | 60.6  | 2.6   |
| 37.5° | 859.1  | 843.6  | 808.0  | 738.4  | 609.4 | 445.9 | 290.8 | 161.6 | 81.0  | 40.2  | 1.7   |
| 40°   | 742.9  | 726.5  | 678.1  | 593.5  | 460.9 | 321.0 | 196.0 | 105.2 | 51.1  | 24.0  | 1.0   |
| 42.5° | 582.5  | 571.4  | 506.0  | 421.7  | 304.3 | 204.8 | 117.8 | 62.2  | 28.7  | 13.8  | 0.2   |
| 45°   | 402.5  | 388.0  | 336.7  | 265.1  | 182.7 | 113.6 | 66.0  | 32.5  | 16.4  | 8.3   | 0.0   |
| 47.5° | 222.1  | 204.3  | 174.6  | 137.3  | 91.9  | 59.6  | 33.3  | 17.6  | 9.3   | 4.0   | 0.0   |
| 50°   | 88.9   | 88.1   | 70.1   | 49.9   | 35.2  | 27.1  | 16.6  | 9.5   | 4.8   | 1.4   | 0.2   |
| 52.5° | 31.1   | 31.1   | 26.8   | 21.9   | 17.1  | 12.4  | 8.3   | 4.5   | 1.7   | 0.5   | 0.2   |
| 55°   | 6.9    | 7.6    | 7.1    | 6.7    | 6.4   | 5.5   | 3.6   | 1.7   | 0.5   | 0.0   | 0.2   |
| 57.5° | 0.7    | 0.7    | 0.7    | 1.0    | 1.2   | 1.2   | 1.0   | 0.5   | 0.0   | 0.0   | 0.2   |
| 60°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.5   |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 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   | 0.2   | 0.7   |
| 75°   | 0.0    | 0.0    | 0.2    | 0.2    | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.5   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.5   |
| 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°    | 12.4 | 12.4   | 12.4 | 12.4   | 12.4 |
| 2.5°  | 12.4 | 9.7    | 8.1  | 7.1    | 6.9  |
| 5°    | 11.6 | 7.4    | 5.2  | 4.5    | 4.3  |
| 7.5°  | 10.5 | 5.5    | 3.6  | 2.9    | 2.6  |
| 10°   | 9.0  | 4.0    | 2.4  | 1.7    | 1.7  |
| 12.5° | 7.6  | 3.1    | 1.4  | 0.7    | 0.5  |
| 15°   | 6.2  | 1.9    | 0.5  | 0.2    | 0.2  |
| 17.5° | 4.8  | 1.2    | 0.0  | 0.0    | 0.0  |
| 20°   | 3.8  | 0.5    | 0.0  | 0.0    | 0.0  |
| 22.5° | 2.9  | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 1.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 37.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.2  | 0.0    | 0.0  | 0.2    | 0.2  |
| 47.5° | 0.2  | 0.2    | 0.2  | 0.5    | 0.5  |
| 50°   | 0.2  | 0.2    | 0.2  | 0.5    | 0.7  |
| 52.5° | 0.5  | 0.2    | 0.5  | 0.7    | 0.7  |
| 55°   | 0.5  | 0.5    | 0.7  | 1.0    | 1.0  |
| 57.5° | 0.5  | 0.5    | 0.7  | 1.0    | 1.0  |
| 60°   | 0.5  | 0.5    | 0.7  | 1.0    | 1.2  |
| 62.5° | 0.7  | 0.7    | 0.7  | 1.0    | 1.0  |
| 65°   | 0.7  | 0.7    | 0.7  | 1.0    | 1.2  |
| 67.5° | 0.7  | 0.7    | 0.7  | 1.0    | 1.2  |
| 70°   | 0.7  | 0.7    | 0.7  | 1.0    | 1.0  |
| 72.5° | 1.0  | 0.7    | 0.7  | 1.0    | 1.0  |
| 75°   | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 77.5° | 0.7  | 0.7    | 0.5  | 0.7    | 0.7  |
| 80°   | 0.7  | 0.5    | 0.5  | 0.5    | 0.5  |
| 82.5° | 0.7  | 0.5    | 0.5  | 0.5    | 0.5  |
| 85°   | 0.7  | 0.5    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.7  | 0.5    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)