

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: P1338355

Luminaire Tested: P3A05R359035DE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R359035DE010 E3A301GPH  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

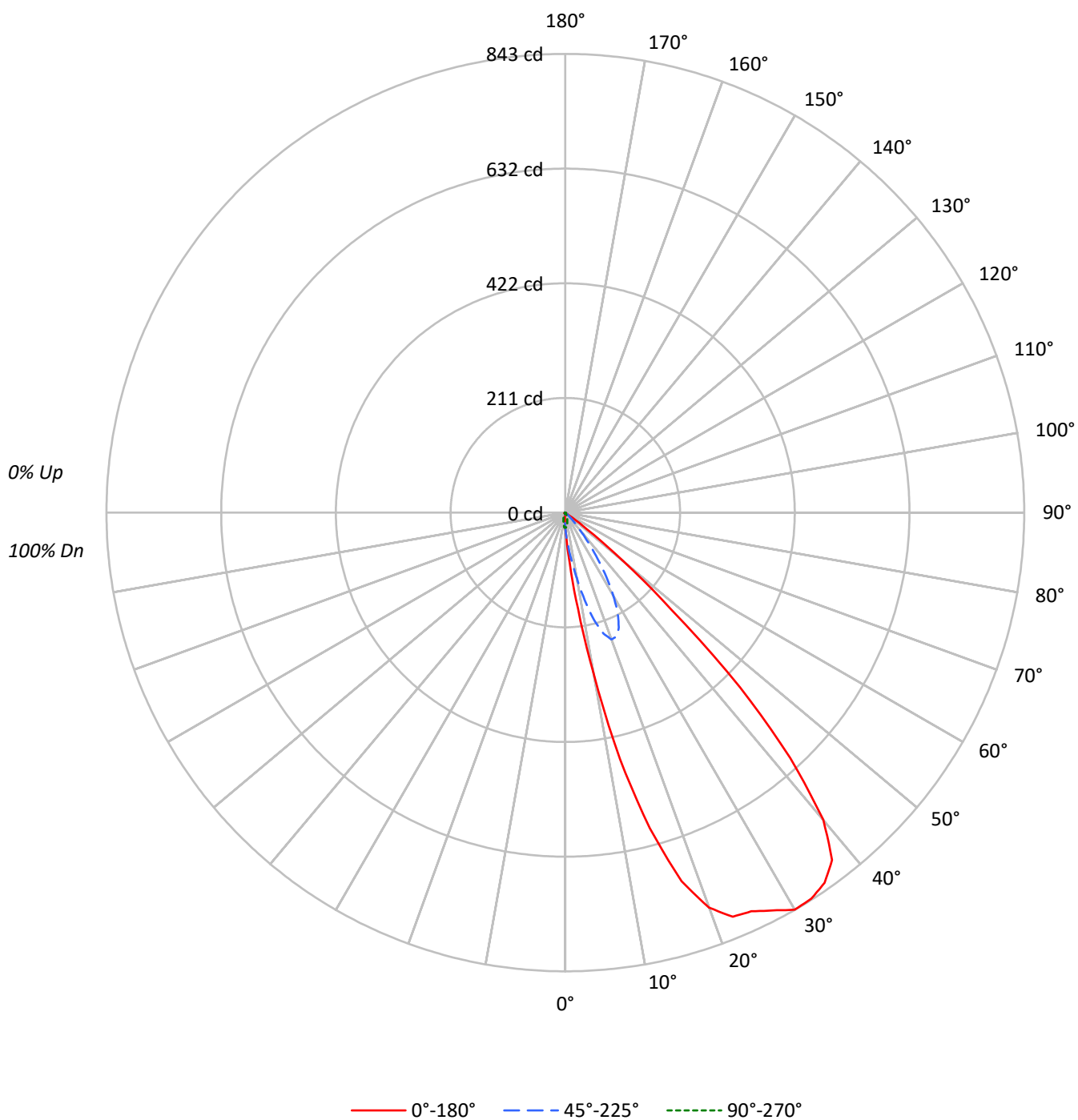
Lumens per Lamp: N/A  
Luminaire Lumens: 265.0 lumens  
Efficiency: N/A  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 83  | 83  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  | 74  |
| 4   | 92  | 83  | 77  | 72  | 91  | 82  | 76  | 71  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  | 67  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  | 61  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  | 55  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  | 49  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 45  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 41  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 6096   | 6096  | 6096 | 6096 | 6096 |
| 5°  | 20779  | 13515 | 5701 | 2399 | 1783 |
| 10° | 66888  | 27388 | 4498 | 891  | 579  |
| 15° | 136300 | 46447 | 3178 | 318  | 227  |
| 20° | 180242 | 57848 | 2054 | 117  | 117  |
| 25° | 195568 | 56229 | 1161 | 48   | 121  |
| 30° | 213349 | 44817 | 481  | 51   | 127  |
| 35° | 222292 | 27894 | 134  | 54   | 134  |
| 40° | 210967 | 12194 | 57   | 143  | 200  |
| 45° | 140821 | 4869  | 62   | 217  | 372  |
| 50° | 47214  | 819   | 171  | 341  | 478  |
| 55° | 2638   | 76    | 191  | 459  | 650  |
| 60° | 219    | 88    | 307  | 526  | 746  |
| 65° | 259    | 104   | 363  | 623  | 882  |
| 70° | 128    | 128   | 449  | 769  | 898  |
| 75° | 169    | 169   | 593  | 847  | 1017 |
| 80° | 0      | 253   | 884  | 884  | 884  |
| 85° | 0      | 503   | 1761 | 503  | 1258 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140821 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.8    | 1.8       |
| 10°-20°   | 38.1   | 14.4      |
| 20°-30°   | 80.3   | 30.3      |
| 30°-40°   | 91.1   | 34.4      |
| 40°-50°   | 44.9   | 16.9      |
| 50°-60°   | 3.9    | 1.5       |
| 60°-70°   | 0.8    | 0.3       |
| 70°-80°   | 0.7    | 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°    | 123.2  | 46.5      |
| 0°-40°    | 214.4  | 80.9      |
| 0°-60°    | 263.1  | 99.3      |
| 0°-90°    | 265.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 265.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 28  | 28  | 28  | 28   | 28   |      |
| 5°  | 94  | 61  | 26  | 11   | 8    | 16   |
| 15° | 600 | 205 | 14  | 1    | 1    | 171  |
| 25° | 808 | 232 | 5   | 0    | 0    | 376  |
| 35° | 830 | 104 | 0   | 0    | 0    | 512  |
| 45° | 454 | 16  | 0   | 1    | 1    | 336  |
| 55° | 7   | 0   | 0   | 1    | 2    | 27   |
| 65° | 0   | 0   | 1   | 1    | 2    | 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°    | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  | 27.8  |
| 2.5°  | 48.3  | 49.5  | 49.0  | 48.8  | 48.5  | 47.6  | 45.4  | 45.2  | 43.1  | 41.6  | 34.5  |
| 5°    | 94.4  | 92.5  | 93.0  | 90.4  | 87.1  | 82.3  | 79.2  | 72.6  | 67.1  | 61.4  | 40.2  |
| 7.5°  | 177.9 | 175.3 | 170.3 | 162.7 | 154.9 | 144.6 | 129.2 | 116.8 | 102.5 | 89.0  | 44.7  |
| 10°   | 300.4 | 299.0 | 292.6 | 273.1 | 256.0 | 228.6 | 202.9 | 175.8 | 149.2 | 123.0 | 47.8  |
| 12.5° | 464.1 | 454.4 | 442.7 | 416.8 | 383.0 | 348.7 | 298.1 | 251.2 | 208.6 | 164.9 | 48.1  |
| 15°   | 600.4 | 594.2 | 577.8 | 544.0 | 503.4 | 453.9 | 393.7 | 330.7 | 266.4 | 204.6 | 45.7  |
| 17.5° | 710.1 | 700.6 | 679.4 | 646.3 | 599.5 | 535.2 | 464.8 | 388.0 | 309.7 | 232.9 | 41.6  |
| 20°   | 772.4 | 767.4 | 751.2 | 718.2 | 667.0 | 596.8 | 516.7 | 427.2 | 336.8 | 247.9 | 36.4  |
| 22.5° | 803.8 | 800.2 | 788.3 | 761.9 | 714.1 | 643.5 | 551.6 | 447.7 | 344.7 | 246.2 | 30.9  |
| 25°   | 808.3 | 807.4 | 797.1 | 777.2 | 737.2 | 667.3 | 566.9 | 451.5 | 338.3 | 232.4 | 25.7  |
| 27.5° | 824.0 | 820.7 | 808.6 | 788.6 | 748.4 | 671.3 | 561.6 | 438.4 | 317.6 | 208.1 | 21.4  |
| 30°   | 842.6 | 840.2 | 828.1 | 807.4 | 759.8 | 667.5 | 543.1 | 409.4 | 284.5 | 177.0 | 15.9  |
| 32.5° | 841.1 | 840.2 | 830.0 | 808.1 | 751.7 | 645.1 | 510.0 | 365.9 | 239.5 | 139.6 | 10.0  |
| 35°   | 830.4 | 827.1 | 814.3 | 780.5 | 705.6 | 587.6 | 447.2 | 306.9 | 189.6 | 104.2 | 6.4   |
| 37.5° | 804.8 | 797.6 | 776.0 | 718.6 | 623.0 | 498.8 | 364.2 | 236.9 | 134.2 | 69.7  | 4.0   |
| 40°   | 737.0 | 727.9 | 684.4 | 615.2 | 515.0 | 393.0 | 270.9 | 162.9 | 88.5  | 42.6  | 1.7   |
| 42.5° | 611.4 | 593.0 | 549.5 | 478.4 | 384.4 | 277.8 | 177.9 | 105.6 | 52.1  | 25.7  | 0.5   |
| 45°   | 454.1 | 440.1 | 394.4 | 329.9 | 251.9 | 178.2 | 107.8 | 57.1  | 28.8  | 15.7  | 0.2   |
| 47.5° | 264.5 | 256.0 | 232.4 | 190.1 | 139.2 | 93.5  | 55.2  | 30.7  | 16.9  | 7.6   | 0.2   |
| 50°   | 138.4 | 127.7 | 109.9 | 83.3  | 61.4  | 43.1  | 26.9  | 16.4  | 8.3   | 2.4   | 0.2   |
| 52.5° | 48.5  | 47.8  | 43.5  | 32.8  | 26.6  | 19.3  | 13.1  | 7.1   | 2.4   | 0.5   | 0.2   |
| 55°   | 6.9   | 6.9   | 6.4   | 7.1   | 7.6   | 6.9   | 4.5   | 1.9   | 0.5   | 0.2   | 0.2   |
| 57.5° | 0.5   | 0.5   | 0.5   | 0.7   | 1.0   | 1.0   | 0.7   | 0.2   | 0.2   | 0.2   | 0.5   |
| 60°   | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 62.5° | 0.5   | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 65°   | 0.5   | 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°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 77.5° | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.7   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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   | 0.2   | 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°    | 27.8 | 27.8   | 27.8 | 27.8   | 27.8 |
| 2.5°  | 27.6 | 22.1   | 17.6 | 15.5   | 14.7 |
| 5°    | 25.9 | 16.7   | 10.9 | 8.6    | 8.1  |
| 7.5°  | 23.1 | 11.9   | 6.7  | 4.8    | 4.5  |
| 10°   | 20.2 | 8.6    | 4.0  | 2.9    | 2.6  |
| 12.5° | 16.9 | 5.9    | 2.6  | 1.7    | 1.4  |
| 15°   | 14.0 | 4.0    | 1.4  | 1.2    | 1.0  |
| 17.5° | 11.2 | 2.6    | 1.0  | 0.7    | 1.0  |
| 20°   | 8.8  | 1.7    | 0.5  | 0.5    | 0.5  |
| 22.5° | 6.7  | 1.0    | 0.5  | 0.5    | 0.5  |
| 25°   | 4.8  | 0.5    | 0.2  | 0.2    | 0.5  |
| 27.5° | 3.3  | 0.2    | 0.2  | 0.2    | 0.5  |
| 30°   | 1.9  | 0.2    | 0.2  | 0.2    | 0.5  |
| 32.5° | 1.0  | 0.2    | 0.2  | 0.5    | 0.5  |
| 35°   | 0.5  | 0.2    | 0.2  | 0.5    | 0.5  |
| 37.5° | 0.2  | 0.2    | 0.2  | 0.5    | 0.7  |
| 40°   | 0.2  | 0.2    | 0.5  | 0.7    | 0.7  |
| 42.5° | 0.2  | 0.2    | 0.5  | 0.7    | 1.0  |
| 45°   | 0.2  | 0.5    | 0.7  | 1.0    | 1.2  |
| 47.5° | 0.5  | 0.5    | 1.0  | 1.2    | 1.4  |
| 50°   | 0.5  | 0.7    | 1.0  | 1.4    | 1.4  |
| 52.5° | 0.5  | 0.7    | 1.2  | 1.4    | 1.7  |
| 55°   | 0.5  | 1.0    | 1.2  | 1.7    | 1.7  |
| 57.5° | 0.7  | 1.0    | 1.2  | 1.7    | 1.7  |
| 60°   | 0.7  | 1.0    | 1.2  | 1.7    | 1.7  |
| 62.5° | 0.7  | 1.0    | 1.2  | 1.7    | 1.7  |
| 65°   | 0.7  | 1.0    | 1.2  | 1.7    | 1.7  |
| 67.5° | 0.7  | 1.0    | 1.2  | 1.4    | 1.7  |
| 70°   | 0.7  | 1.0    | 1.2  | 1.4    | 1.4  |
| 72.5° | 1.0  | 1.0    | 1.2  | 1.4    | 1.4  |
| 75°   | 0.7  | 1.0    | 1.0  | 1.2    | 1.2  |
| 77.5° | 0.7  | 0.7    | 0.7  | 1.0    | 1.0  |
| 80°   | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 82.5° | 0.7  | 0.5    | 0.5  | 0.7    | 0.7  |
| 85°   | 0.7  | 0.5    | 0.2  | 0.5    | 0.5  |
| 87.5° | 0.5  | 0.5    | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)