

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: P1345667

Luminaire Tested: P3A13R35B2750DE010 E3A301WMH\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345667  
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: P3A13R35B2750DE010 E3A301WMH\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

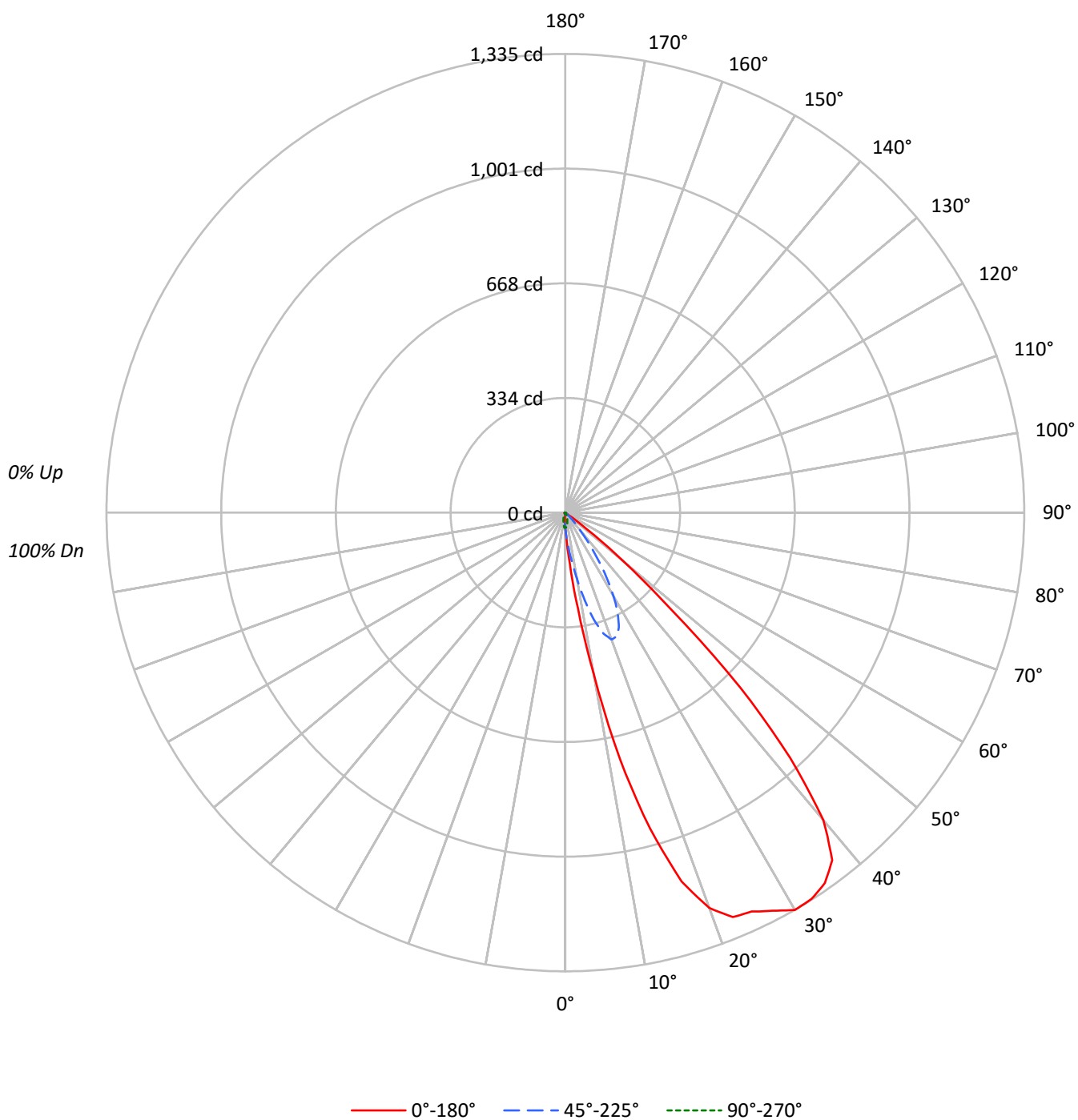
Lumens per Lamp: N/A  
Luminaire Lumens: 420.0 lumens  
Efficiency: N/A  
Efficacy: 22.0 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.1  
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  |
| 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  | 50  | 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°  | 9670   | 9670  | 9670 | 9670 | 9670 |
| 5°  | 32952  | 21418 | 9047 | 3808 | 2818 |
| 10° | 106032 | 43397 | 7125 | 1425 | 913  |
| 15° | 216028 | 73599 | 5040 | 522  | 341  |
| 20° | 285672 | 91685 | 3244 | 187  | 187  |
| 25° | 309961 | 89110 | 1815 | 97   | 194  |
| 30° | 338128 | 71024 | 760  | 101  | 203  |
| 35° | 352337 | 44196 | 214  | 107  | 214  |
| 40° | 334341 | 19322 | 115  | 229  | 315  |
| 45° | 223186 | 7722  | 124  | 341  | 589  |
| 50° | 74846  | 1296  | 273  | 512  | 785  |
| 55° | 4167   | 153   | 306  | 726  | 994  |
| 60° | 351    | 175   | 482  | 833  | 1140 |
| 65° | 415    | 208   | 571  | 986  | 1349 |
| 70° | 256    | 256   | 705  | 1218 | 1475 |
| 75° | 339    | 339   | 932  | 1271 | 1610 |
| 80° | 0      | 505   | 1389 | 1389 | 1389 |
| 85° | 0      | 1006  | 2768 | 1006 | 2013 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 223186 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.7    | 1.8       |
| 10°-20°   | 60.3   | 14.4      |
| 20°-30°   | 127.3  | 30.3      |
| 30°-40°   | 144.5  | 34.4      |
| 40°-50°   | 71.1   | 16.9      |
| 50°-60°   | 6.2    | 1.5       |
| 60°-70°   | 1.3    | 0.3       |
| 70°-80°   | 1.2    | 0.3       |
| 80°-90°   | 0.6    | 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°    | 195.3  | 46.5      |
| 0°-40°    | 339.8  | 80.9      |
| 0°-60°    | 417.0  | 99.3      |
| 0°-90°    | 420.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 420.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 44   | 44  | 44  | 44   | 44   |      |
| 5°  | 150  | 97  | 41  | 17   | 13   | 25   |
| 15° | 952  | 324 | 22  | 2    | 2    | 271  |
| 25° | 1281 | 368 | 8   | 0    | 1    | 596  |
| 35° | 1316 | 165 | 1   | 0    | 1    | 811  |
| 45° | 720  | 25  | 0   | 1    | 2    | 532  |
| 55° | 11   | 0   | 1   | 2    | 3    | 43   |
| 65° | 1    | 0   | 1   | 2    | 3    | 1    |
| 75° | 0    | 0   | 1   | 2    | 2    | 0    |
| 85° | 0    | 0   | 1   | 0    | 1    | 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°    | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  |
| 2.5°  | 76.5   | 78.4   | 77.7   | 77.3   | 76.9   | 75.4   | 72.0  | 71.6  | 68.2  | 66.0  | 54.7  |
| 5°    | 149.7  | 146.7  | 147.4  | 143.3  | 138.0  | 130.4  | 125.5 | 115.0 | 106.3 | 97.3  | 63.7  |
| 7.5°  | 282.0  | 277.9  | 269.9  | 257.9  | 245.4  | 229.2  | 204.7 | 185.1 | 162.5 | 141.0 | 70.9  |
| 10°   | 476.2  | 473.9  | 463.7  | 432.8  | 405.7  | 362.3  | 321.6 | 278.6 | 236.4 | 194.9 | 75.8  |
| 12.5° | 735.6  | 720.1  | 701.6  | 660.5  | 607.0  | 552.7  | 472.4 | 398.1 | 330.6 | 261.3 | 76.2  |
| 15°   | 951.6  | 941.8  | 915.8  | 862.2  | 797.8  | 719.4  | 624.0 | 524.1 | 422.3 | 324.2 | 72.4  |
| 17.5° | 1125.4 | 1110.3 | 1076.8 | 1024.4 | 950.1  | 848.3  | 736.7 | 614.9 | 490.9 | 369.1 | 66.0  |
| 20°   | 1224.2 | 1216.3 | 1190.6 | 1138.2 | 1057.2 | 945.9  | 818.9 | 677.1 | 533.9 | 392.9 | 57.7  |
| 22.5° | 1273.9 | 1268.3 | 1249.4 | 1207.6 | 1131.8 | 1019.8 | 874.3 | 709.5 | 546.3 | 390.2 | 49.0  |
| 25°   | 1281.1 | 1279.6 | 1263.4 | 1231.7 | 1168.4 | 1057.5 | 898.4 | 715.6 | 536.1 | 368.3 | 40.7  |
| 27.5° | 1306.0 | 1300.7 | 1281.5 | 1249.8 | 1186.1 | 1063.9 | 890.1 | 694.8 | 503.3 | 329.9 | 33.9  |
| 30°   | 1335.4 | 1331.6 | 1312.4 | 1279.6 | 1204.2 | 1057.9 | 860.7 | 648.8 | 450.9 | 280.5 | 25.3  |
| 32.5° | 1333.1 | 1331.6 | 1315.4 | 1280.7 | 1191.4 | 1022.5 | 808.3 | 579.9 | 379.7 | 221.3 | 15.8  |
| 35°   | 1316.2 | 1310.9 | 1290.5 | 1237.0 | 1118.2 | 931.2  | 708.8 | 486.4 | 300.5 | 165.1 | 10.2  |
| 37.5° | 1275.5 | 1264.1 | 1229.8 | 1139.0 | 987.4  | 790.6  | 577.2 | 375.5 | 212.6 | 110.5 | 6.4   |
| 40°   | 1168.0 | 1153.7 | 1084.7 | 975.0  | 816.2  | 622.8  | 429.4 | 258.3 | 140.3 | 67.5  | 2.6   |
| 42.5° | 968.9  | 939.9  | 870.9  | 758.2  | 609.3  | 440.4  | 282.0 | 167.4 | 82.6  | 40.7  | 0.8   |
| 45°   | 719.7  | 697.5  | 625.1  | 522.9  | 399.3  | 282.4  | 170.8 | 90.5  | 45.6  | 24.9  | 0.4   |
| 47.5° | 419.2  | 405.7  | 368.3  | 301.2  | 220.6  | 148.2  | 87.5  | 48.6  | 26.8  | 12.1  | 0.4   |
| 50°   | 219.4  | 202.5  | 174.2  | 132.0  | 97.3   | 68.2   | 42.6  | 26.0  | 13.2  | 3.8   | 0.4   |
| 52.5° | 76.9   | 75.8   | 69.0   | 52.0   | 42.2   | 30.5   | 20.7  | 11.3  | 3.8   | 0.8   | 0.4   |
| 55°   | 10.9   | 10.9   | 10.2   | 11.3   | 12.1   | 10.9   | 7.2   | 3.0   | 0.8   | 0.4   | 0.4   |
| 57.5° | 0.8    | 0.8    | 0.8    | 1.1    | 1.5    | 1.5    | 1.1   | 0.4   | 0.4   | 0.4   | 0.8   |
| 60°   | 0.8    | 0.8    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 62.5° | 0.8    | 0.8    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 65°   | 0.8    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 77.5° | 0.0    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.4   | 1.1   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.4   | 0.4   | 0.4   | 0.8   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.4   | 0.4   | 0.8   |
| 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°    | 44.1 | 44.1   | 44.1 | 44.1   | 44.1 |
| 2.5°  | 43.7 | 35.1   | 27.9 | 24.5   | 23.4 |
| 5°    | 41.1 | 26.4   | 17.3 | 13.6   | 12.8 |
| 7.5°  | 36.6 | 18.9   | 10.6 | 7.5    | 7.2  |
| 10°   | 32.0 | 13.6   | 6.4  | 4.5    | 4.1  |
| 12.5° | 26.8 | 9.4    | 4.1  | 2.6    | 2.3  |
| 15°   | 22.2 | 6.4    | 2.3  | 1.9    | 1.5  |
| 17.5° | 17.7 | 4.1    | 1.5  | 1.1    | 1.5  |
| 20°   | 13.9 | 2.6    | 0.8  | 0.8    | 0.8  |
| 22.5° | 10.6 | 1.5    | 0.8  | 0.8    | 0.8  |
| 25°   | 7.5  | 0.8    | 0.4  | 0.4    | 0.8  |
| 27.5° | 5.3  | 0.4    | 0.4  | 0.4    | 0.8  |
| 30°   | 3.0  | 0.4    | 0.4  | 0.4    | 0.8  |
| 32.5° | 1.5  | 0.4    | 0.4  | 0.8    | 0.8  |
| 35°   | 0.8  | 0.4    | 0.4  | 0.8    | 0.8  |
| 37.5° | 0.4  | 0.4    | 0.4  | 0.8    | 1.1  |
| 40°   | 0.4  | 0.4    | 0.8  | 1.1    | 1.1  |
| 42.5° | 0.4  | 0.4    | 0.8  | 1.1    | 1.5  |
| 45°   | 0.4  | 0.8    | 1.1  | 1.5    | 1.9  |
| 47.5° | 0.8  | 0.8    | 1.5  | 1.9    | 2.3  |
| 50°   | 0.8  | 1.1    | 1.5  | 2.3    | 2.3  |
| 52.5° | 0.8  | 1.1    | 1.9  | 2.3    | 2.6  |
| 55°   | 0.8  | 1.5    | 1.9  | 2.6    | 2.6  |
| 57.5° | 1.1  | 1.5    | 1.9  | 2.6    | 2.6  |
| 60°   | 1.1  | 1.5    | 1.9  | 2.6    | 2.6  |
| 62.5° | 1.1  | 1.5    | 1.9  | 2.6    | 2.6  |
| 65°   | 1.1  | 1.5    | 1.9  | 2.6    | 2.6  |
| 67.5° | 1.1  | 1.5    | 1.9  | 2.3    | 2.6  |
| 70°   | 1.1  | 1.5    | 1.9  | 2.3    | 2.3  |
| 72.5° | 1.5  | 1.5    | 1.9  | 2.3    | 2.3  |
| 75°   | 1.1  | 1.5    | 1.5  | 1.9    | 1.9  |
| 77.5° | 1.1  | 1.1    | 1.1  | 1.5    | 1.5  |
| 80°   | 1.1  | 1.1    | 1.1  | 1.1    | 1.1  |
| 82.5° | 1.1  | 0.8    | 0.8  | 1.1    | 1.1  |
| 85°   | 1.1  | 0.8    | 0.4  | 0.8    | 0.8  |
| 87.5° | 0.8  | 0.8    | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)