

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: P1345141

Luminaire Tested: P3A13R30B2750DE010 E3A301LI\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1345141  
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: P3A13R30B2750DE010 E3A301LI\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

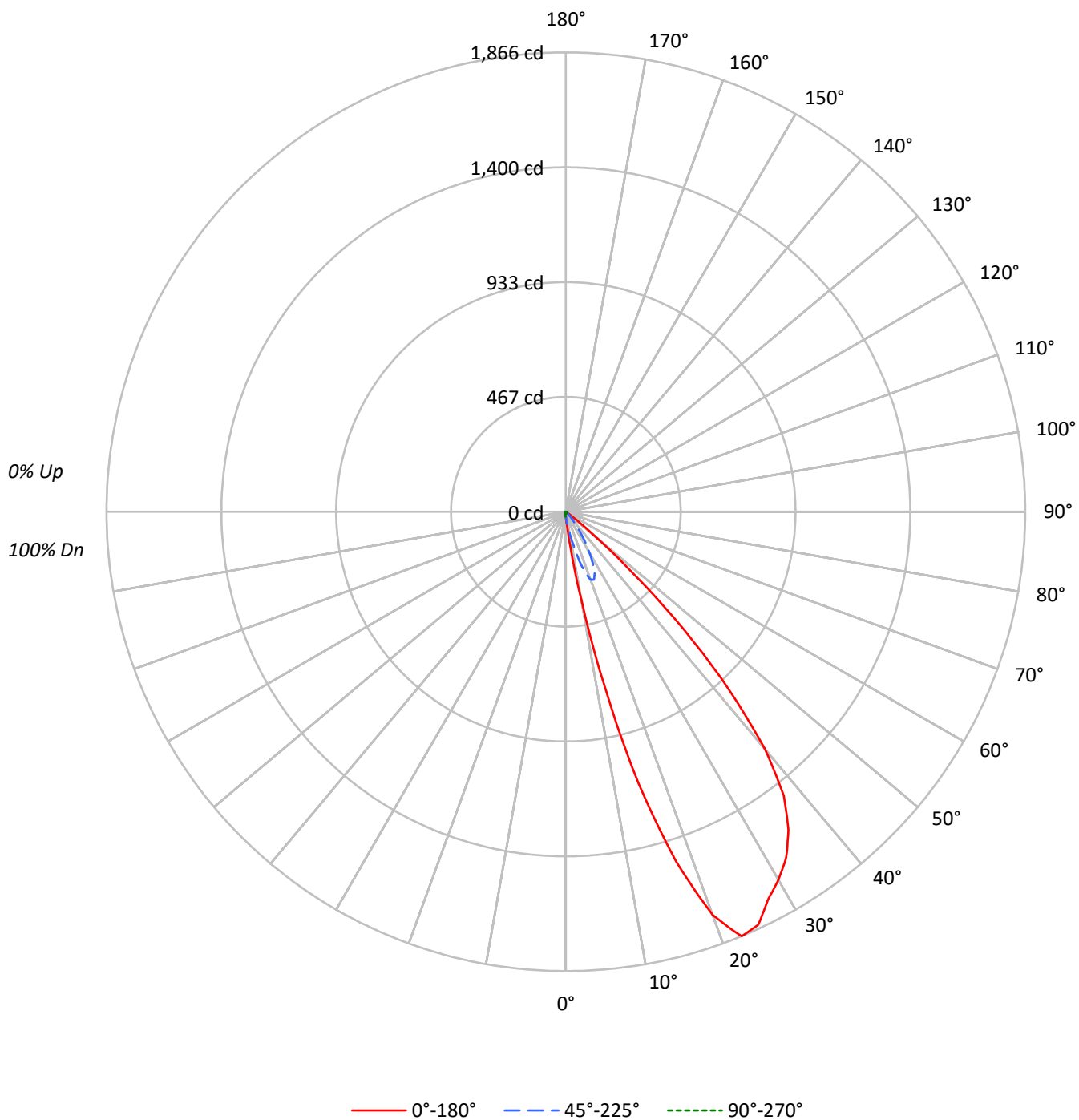
Lumens per Lamp: N/A  
Luminaire Lumens: 440.0 lumens  
Efficiency: N/A  
Efficacy: 23.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |     |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0  |
| 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°  | 4583   | 4583  | 4583 | 4583 | 4583 |
| 5°  | 13801  | 9201  | 4336 | 1937 | 1585 |
| 10° | 79936  | 19505 | 3407 | 891  | 623  |
| 15° | 260047 | 44268 | 2384 | 182  | 91   |
| 20° | 406899 | 68489 | 1493 | 0    | 0    |
| 25° | 447679 | 66923 | 774  | 0    | 0    |
| 30° | 437232 | 48261 | 304  | 0    | 0    |
| 35° | 422017 | 27438 | 107  | 0    | 0    |
| 40° | 359874 | 11622 | 0    | 0    | 0    |
| 45° | 211216 | 4373  | 124  | 0    | 124  |
| 50° | 51307  | 819   | 136  | 136  | 409  |
| 55° | 4473   | 0     | 306  | 459  | 612  |
| 60° | 175    | 0     | 351  | 526  | 877  |
| 65° | 208    | 208   | 623  | 623  | 1038 |
| 70° | 256    | 256   | 769  | 769  | 1026 |
| 75° | 0      | 339   | 1017 | 1017 | 1017 |
| 80° | 0      | 505   | 1515 | 1010 | 1010 |
| 85° | 0      | 1006  | 3019 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 211216 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.8    | 0.9       |
| 10°-20°   | 60.5   | 13.7      |
| 20°-30°   | 153.7  | 34.9      |
| 30°-40°   | 153.2  | 34.8      |
| 40°-50°   | 62.1   | 14.1      |
| 50°-60°   | 4.3    | 1.0       |
| 60°-70°   | 1.0    | 0.2       |
| 70°-80°   | 1.0    | 0.2       |
| 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°    | 218.0  | 49.5      |
| 0°-40°    | 371.2  | 84.4      |
| 0°-60°    | 437.5  | 99.4      |
| 0°-90°    | 440.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 440.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 21   | 21  | 21  | 21   | 21   |      |
| 5°  | 63   | 42  | 20  | 9    | 7    | 15   |
| 15° | 1146 | 195 | 10  | 1    | 0    | 333  |
| 25° | 1850 | 277 | 3   | 0    | 0    | 835  |
| 35° | 1576 | 102 | 0   | 0    | 0    | 966  |
| 45° | 681  | 14  | 0   | 0    | 0    | 520  |
| 55° | 12   | 0   | 1   | 1    | 2    | 30   |
| 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°    | 20.9   | 20.9   | 20.9   | 20.9   | 20.9   | 20.9   | 20.9   | 20.9  | 20.9  | 20.9  | 20.9  |
| 2.5°  | 34.6   | 35.0   | 35.0   | 34.2   | 33.8   | 33.8   | 32.6   | 32.2  | 31.0  | 29.8  | 25.7  |
| 5°    | 62.7   | 61.5   | 59.9   | 59.9   | 56.3   | 54.3   | 51.5   | 48.2  | 45.8  | 41.8  | 29.8  |
| 7.5°  | 142.3  | 132.7  | 129.9  | 126.2  | 112.6  | 101.7  | 89.3   | 78.4  | 68.4  | 59.9  | 33.0  |
| 10°   | 359.0  | 340.1  | 324.5  | 292.7  | 252.9  | 214.7  | 179.3  | 138.3 | 110.2 | 87.6  | 35.4  |
| 12.5° | 723.3  | 698.0  | 667.8  | 609.9  | 535.5  | 440.3  | 355.8  | 265.8 | 186.6 | 129.1 | 36.2  |
| 15°   | 1145.5 | 1102.4 | 1055.4 | 981.8  | 860.0  | 723.3  | 570.9  | 427.4 | 299.5 | 195.0 | 35.4  |
| 17.5° | 1489.6 | 1472.7 | 1403.2 | 1302.7 | 1153.5 | 977.4  | 789.6  | 593.4 | 404.1 | 255.3 | 33.0  |
| 20°   | 1743.7 | 1732.1 | 1648.0 | 1541.1 | 1373.0 | 1171.2 | 932.8  | 697.2 | 476.8 | 293.5 | 29.4  |
| 22.5° | 1866.4 | 1864.3 | 1803.6 | 1694.3 | 1516.2 | 1287.4 | 1024.8 | 757.1 | 499.4 | 298.7 | 24.5  |
| 25°   | 1850.3 | 1857.5 | 1822.9 | 1741.7 | 1570.8 | 1335.2 | 1052.2 | 757.1 | 482.9 | 276.6 | 20.5  |
| 27.5° | 1777.1 | 1781.9 | 1760.2 | 1697.9 | 1538.7 | 1300.7 | 1014.0 | 708.4 | 435.0 | 237.6 | 16.9  |
| 30°   | 1726.8 | 1728.9 | 1701.9 | 1635.2 | 1466.3 | 1221.9 | 923.9  | 618.4 | 362.7 | 190.6 | 12.5  |
| 32.5° | 1665.7 | 1665.3 | 1634.0 | 1557.6 | 1371.4 | 1111.3 | 809.7  | 511.0 | 278.6 | 144.7 | 7.2   |
| 35°   | 1576.5 | 1566.4 | 1523.8 | 1435.8 | 1229.9 | 962.5  | 663.8  | 389.2 | 200.6 | 102.5 | 4.4   |
| 37.5° | 1453.8 | 1427.7 | 1367.4 | 1249.6 | 1031.3 | 754.7  | 492.1  | 273.4 | 137.1 | 67.9  | 2.8   |
| 40°   | 1257.2 | 1229.5 | 1147.5 | 1004.3 | 780.0  | 543.2  | 331.7  | 178.1 | 86.4  | 40.6  | 1.6   |
| 42.5° | 985.8  | 967.0  | 856.4  | 713.7  | 515.0  | 346.6  | 199.4  | 105.3 | 48.6  | 23.3  | 0.4   |
| 45°   | 681.1  | 656.6  | 569.7  | 448.7  | 309.2  | 192.2  | 111.8  | 55.1  | 27.7  | 14.1  | 0.0   |
| 47.5° | 375.9  | 345.8  | 295.5  | 232.4  | 155.6  | 100.9  | 56.3   | 29.8  | 15.7  | 6.8   | 0.0   |
| 50°   | 150.4  | 149.2  | 118.6  | 84.4   | 59.5   | 45.8   | 28.1   | 16.1  | 8.0   | 2.4   | 0.4   |
| 52.5° | 52.7   | 52.7   | 45.4   | 37.0   | 28.9   | 20.9   | 14.1   | 7.6   | 2.8   | 0.8   | 0.4   |
| 55°   | 11.7   | 12.9   | 12.1   | 11.3   | 10.9   | 9.2    | 6.0    | 2.8   | 0.8   | 0.0   | 0.4   |
| 57.5° | 1.2    | 1.2    | 1.2    | 1.6    | 2.0    | 2.0    | 1.6    | 0.8   | 0.0   | 0.0   | 0.4   |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0   | 0.0   | 0.0   | 0.8   |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0    | 0.0   | 0.4   | 0.4   | 0.8   |
| 65°   | 0.4    | 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   | 1.2   |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 1.2   |
| 75°   | 0.0    | 0.0    | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 1.2   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.8   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.4   | 0.4   | 0.8   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 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    | 0.0   | 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°    | 20.9 | 20.9   | 20.9 | 20.9   | 20.9 |
| 2.5°  | 20.9 | 16.5   | 13.7 | 12.1   | 11.7 |
| 5°    | 19.7 | 12.5   | 8.8  | 7.6    | 7.2  |
| 7.5°  | 17.7 | 9.2    | 6.0  | 4.8    | 4.4  |
| 10°   | 15.3 | 6.8    | 4.0  | 2.8    | 2.8  |
| 12.5° | 12.9 | 5.2    | 2.4  | 1.2    | 0.8  |
| 15°   | 10.5 | 3.2    | 0.8  | 0.4    | 0.4  |
| 17.5° | 8.0  | 2.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 6.4  | 0.8    | 0.0  | 0.0    | 0.0  |
| 22.5° | 4.8  | 0.4    | 0.0  | 0.0    | 0.0  |
| 25°   | 3.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5° | 2.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 1.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.4  | 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°   | 0.4  | 0.0    | 0.0  | 0.4    | 0.4  |
| 47.5° | 0.4  | 0.4    | 0.4  | 0.8    | 0.8  |
| 50°   | 0.4  | 0.4    | 0.4  | 0.8    | 1.2  |
| 52.5° | 0.8  | 0.4    | 0.8  | 1.2    | 1.2  |
| 55°   | 0.8  | 0.8    | 1.2  | 1.6    | 1.6  |
| 57.5° | 0.8  | 0.8    | 1.2  | 1.6    | 1.6  |
| 60°   | 0.8  | 0.8    | 1.2  | 1.6    | 2.0  |
| 62.5° | 1.2  | 1.2    | 1.2  | 1.6    | 1.6  |
| 65°   | 1.2  | 1.2    | 1.2  | 1.6    | 2.0  |
| 67.5° | 1.2  | 1.2    | 1.2  | 1.6    | 2.0  |
| 70°   | 1.2  | 1.2    | 1.2  | 1.6    | 1.6  |
| 72.5° | 1.6  | 1.2    | 1.2  | 1.6    | 1.6  |
| 75°   | 1.2  | 1.2    | 1.2  | 1.2    | 1.2  |
| 77.5° | 1.2  | 1.2    | 0.8  | 1.2    | 1.2  |
| 80°   | 1.2  | 0.8    | 0.8  | 0.8    | 0.8  |
| 82.5° | 1.2  | 0.8    | 0.8  | 0.8    | 0.8  |
| 85°   | 1.2  | 0.8    | 0.4  | 0.4    | 0.4  |
| 87.5° | 1.2  | 0.8    | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)