

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: P1341028

Luminaire Tested: P3A09R259835DE010 E3A301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1341028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R259835DE010 E3A301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

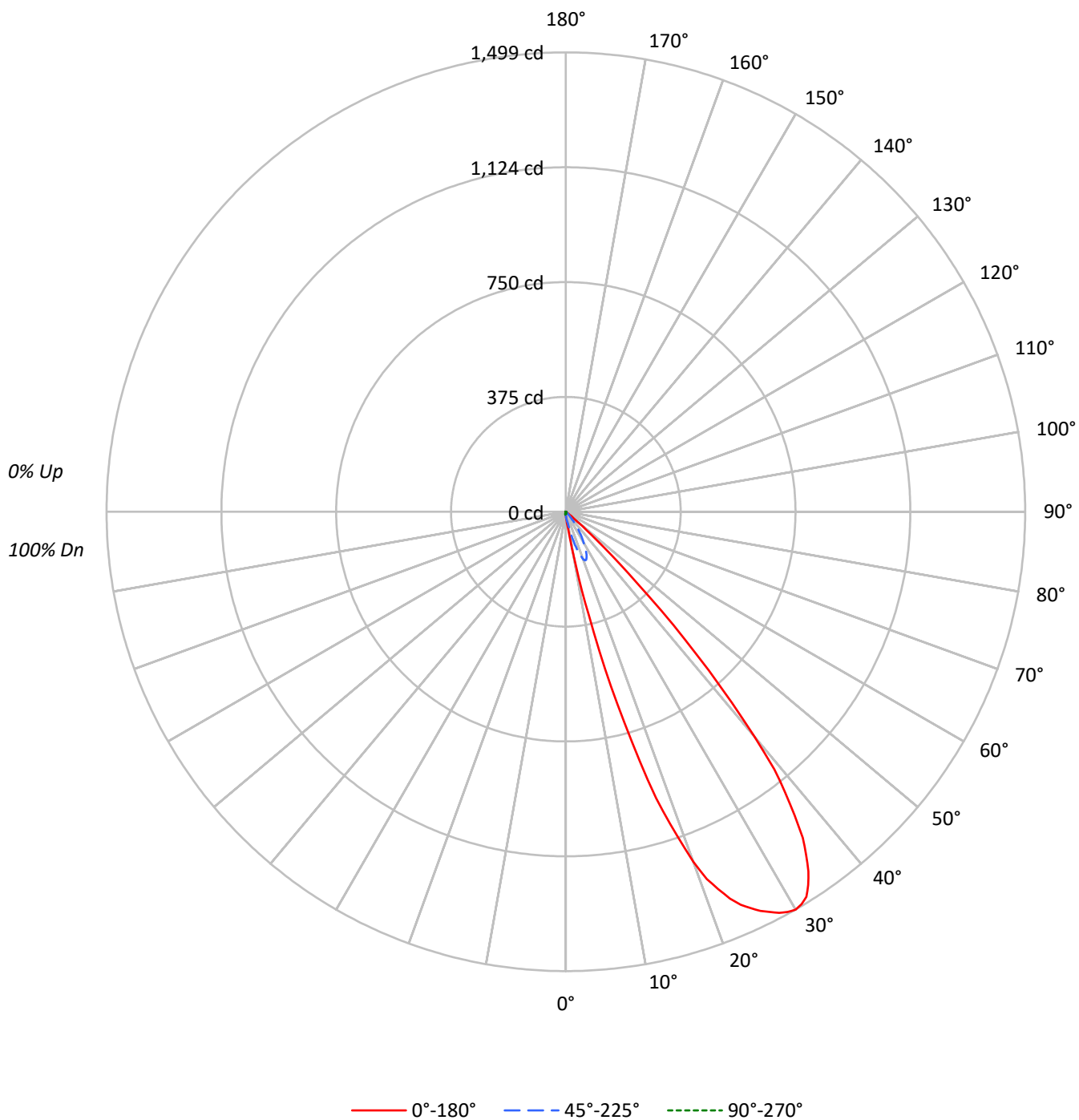
Lumens per Lamp: N/A  
Luminaire Lumens: 300.0 lumens  
Efficiency: N/A  
Efficacy: 27.3 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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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CATALOG NUMBER: P3A09R259835DE010 E3A301MW

### 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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 42  | 42  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2829   | 2829  | 2829 | 2829 | 2829 |
| 5°  | 7088   | 5239  | 2641 | 1365 | 1057 |
| 10° | 30972  | 8907  | 2182 | 623  | 445  |
| 15° | 147288 | 24018 | 1521 | 250  | 182  |
| 20° | 283548 | 38480 | 980  | 70   | 70   |
| 25° | 345310 | 38809 | 532  | 0    | 0    |
| 30° | 379653 | 29701 | 203  | 0    | 0    |
| 35° | 365882 | 18872 | 80   | 0    | 0    |
| 40° | 273369 | 8187  | 0    | 0    | 86   |
| 45° | 101220 | 2171  | 93   | 93   | 248  |
| 50° | 11940  | 273   | 205  | 205  | 375  |
| 55° | 1185   | 0     | 229  | 306  | 535  |
| 60° | 132    | 0     | 351  | 482  | 614  |
| 65° | 156    | 156   | 571  | 726  | 882  |
| 70° | 192    | 192   | 705  | 705  | 1090 |
| 75° | 254    | 254   | 678  | 678  | 932  |
| 80° | 0      | 379   | 1010 | 758  | 1010 |
| 85° | 0      | 755   | 2013 | 755  | 755  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101220 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.9    | 0.6       |
| 10°-20°   | 35.0   | 11.7      |
| 20°-30°   | 109.8  | 36.6      |
| 30°-40°   | 115.6  | 38.5      |
| 40°-50°   | 34.0   | 11.3      |
| 50°-60°   | 1.8    | 0.6       |
| 60°-70°   | 0.9    | 0.3       |
| 70°-80°   | 0.7    | 0.2       |
| 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°    | 146.6  | 48.9      |
| 0°-40°    | 262.2  | 87.4      |
| 0°-60°    | 298.0  | 99.3      |
| 0°-90°    | 300.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 300.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 13   | 13  | 13  | 13   | 13   |      |
| 5°  | 32   | 24  | 12  | 6    | 5    | 6    |
| 15° | 649  | 106 | 7   | 1    | 1    | 205  |
| 25° | 1427 | 160 | 2   | 0    | 0    | 655  |
| 35° | 1367 | 70  | 0   | 0    | 0    | 825  |
| 45° | 326  | 7   | 0   | 0    | 1    | 297  |
| 55° | 3    | 0   | 1   | 1    | 1    | 8    |
| 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    |      |

TEST NUMBER: P1341028

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°   | 30°   | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|--------|
| 0°    | 12.9   | 12.9   | 12.9   | 12.9   | 12.9   | 12.9  | 12.9  | 12.9  | 12.9  | 12.9 | 12.9   |
| 2.5°  | 19.9   | 20.2   | 19.3   | 19.9   | 19.3   | 19.0  | 18.8  | 17.4  | 15.1  | 12.9 | 10.6   |
| 5°    | 32.2   | 32.2   | 30.8   | 30.5   | 29.9   | 28.8  | 27.7  | 23.8  | 17.1  | 12.0 | 8.4    |
| 7.5°  | 50.4   | 50.1   | 49.5   | 48.1   | 45.3   | 42.5  | 39.7  | 31.1  | 18.8  | 11.2 | 6.4    |
| 10°   | 139.1  | 137.2  | 134.6  | 119.5  | 102.4  | 87.3  | 74.2  | 40.0  | 20.2  | 9.8  | 4.8    |
| 12.5° | 345.7  | 334.5  | 307.9  | 277.7  | 239.0  | 198.5 | 158.7 | 65.2  | 20.7  | 8.1  | 3.4    |
| 15°   | 648.8  | 625.6  | 584.2  | 523.7  | 444.8  | 356.0 | 280.5 | 105.8 | 20.2  | 6.7  | 2.5    |
| 17.5° | 979.7  | 957.3  | 899.9  | 808.1  | 691.9  | 555.6 | 421.8 | 140.2 | 18.8  | 5.6  | 1.7    |
| 20°   | 1215.1 | 1191.3 | 1137.5 | 1040.1 | 914.4  | 732.8 | 555.3 | 164.9 | 17.6  | 4.2  | 0.8    |
| 21°   | 1283.9 | 1260.1 | 1203.3 | 1109.3 | 977.1  | 794.9 | 598.2 | 169.1 | 16.8  | 3.6  | 0.6    |
| 22°   | 1327.6 | 1313.6 | 1252.6 | 1161.3 | 1026.7 | 844.7 | 634.8 | 171.0 | 16.2  | 3.4  | 0.6    |
| 23°   | 1371.5 | 1350.5 | 1293.4 | 1197.1 | 1064.5 | 881.7 | 662.0 | 169.6 | 15.7  | 2.8  | 0.3    |
| 24°   | 1404.0 | 1386.4 | 1320.0 | 1224.9 | 1090.8 | 904.4 | 677.9 | 166.0 | 14.8  | 2.5  | 0.3    |
| 25°   | 1427.2 | 1411.0 | 1341.9 | 1243.6 | 1108.4 | 916.7 | 683.0 | 160.4 | 14.0  | 2.2  | 0.3    |
| 26°   | 1449.3 | 1431.7 | 1360.1 | 1254.5 | 1117.7 | 920.6 | 678.2 | 154.2 | 13.2  | 2.0  | 0.0    |
| 27°   | 1465.3 | 1447.4 | 1372.6 | 1261.0 | 1118.2 | 915.8 | 665.3 | 145.8 | 12.3  | 1.7  | 0.0    |
| 28°   | 1482.4 | 1461.7 | 1381.3 | 1264.6 | 1114.9 | 904.6 | 646.9 | 136.9 | 11.8  | 1.4  | 0.0    |
| 29°   | 1492.7 | 1473.1 | 1390.3 | 1268.5 | 1107.9 | 885.9 | 620.0 | 126.2 | 10.4  | 0.8  | 0.0    |
| 30°   | 1499.4 | 1476.2 | 1389.4 | 1264.3 | 1098.6 | 865.7 | 587.8 | 117.3 | 9.0   | 0.8  | 0.0    |
| 31°   | 1493.8 | 1469.5 | 1380.5 | 1252.6 | 1083.8 | 839.4 | 554.8 | 106.1 | 7.3   | 0.6  | 0.0    |
| 32°   | 1481.8 | 1453.0 | 1364.8 | 1232.1 | 1057.2 | 805.6 | 520.6 | 96.8  | 5.3   | 0.6  | 0.0    |
| 33°   | 1452.4 | 1428.1 | 1336.5 | 1204.7 | 1022.5 | 759.7 | 476.1 | 87.9  | 3.6   | 0.3  | 0.0    |
| 34°   | 1415.5 | 1391.1 | 1297.9 | 1168.0 | 976.0  | 700.3 | 422.1 | 78.7  | 3.1   | 0.3  | 0.0    |
| 35°   | 1366.8 | 1342.7 | 1254.2 | 1116.8 | 914.4  | 628.9 | 366.4 | 70.5  | 2.5   | 0.3  | 0.0    |
| 36°   | 1315.5 | 1283.6 | 1199.1 | 1062.2 | 831.9  | 547.8 | 306.8 | 61.3  | 2.0   | 0.3  | 0.0    |
| 37°   | 1240.3 | 1218.7 | 1124.9 | 979.1  | 742.6  | 470.0 | 263.4 | 52.9  | 1.4   | 0.3  | 0.0    |
| 38°   | 1162.2 | 1142.3 | 1050.8 | 895.4  | 642.9  | 393.0 | 220.6 | 44.8  | 1.1   | 0.0  | 0.0    |
| 39°   | 1081.5 | 1048.5 | 958.1  | 788.2  | 538.5  | 329.2 | 185.6 | 37.5  | 0.6   | 0.0  | 0.0    |
| 40°   | 955.0  | 929.8  | 833.3  | 659.5  | 445.6  | 266.7 | 158.1 | 28.6  | 0.6   | 0.0  | 0.0    |
| 42.5° | 633.1  | 609.6  | 508.3  | 357.7  | 236.8  | 155.9 | 104.4 | 11.2  | 0.0   | 0.3  | 0.0    |
| 45°   | 326.4  | 311.5  | 253.0  | 187.3  | 134.4  | 95.7  | 67.2  | 7.0   | 0.0   | 0.3  | 0.3    |
| 47.5° | 129.6  | 127.1  | 114.8  | 99.1   | 76.4   | 56.8  | 36.7  | 3.1   | 0.0   | 0.3  | 0.3    |
| 50°   | 35.0   | 35.3   | 33.0   | 30.5   | 27.7   | 26.0  | 15.4  | 0.8   | 0.0   | 0.6  | 0.3    |
| 52.5° | 14.8   | 15.1   | 14.6   | 13.7   | 12.3   | 9.2   | 6.2   | 0.3   | 0.3   | 0.6  | 0.6    |
| 55°   | 3.1    | 3.4    | 3.6    | 3.9    | 4.5    | 3.9   | 2.5   | 0.0   | 0.3   | 0.6  | 0.6    |
| 57.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.8    | 0.8   | 0.6   | 0.0   | 0.3   | 0.6  | 0.8    |
| 60°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.0   | 0.0   | 0.0   | 0.6   | 0.8  | 0.8    |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.6   | 0.8  | 1.1    |
| 65°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.6   | 1.1  | 1.1    |
| 67.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 1.1    |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 1.1    |
| 72.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 0.8    |
| 75°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 0.8  | 0.8    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3   | 0.3   | 0.3   | 0.6   | 0.8  | 0.8    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3   | 0.3   | 0.3   | 0.6   | 0.8  | 0.6    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.6   | 0.8 | 0.6    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6   | 0.8 | 0.6    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6   | 0.8 | 0.6    |
| 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):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 12.9 | 12.9   | 12.9 |
| 2.5°  | 9.0  | 8.1    | 7.8  |
| 5°    | 6.2  | 5.3    | 4.8  |
| 7.5°  | 4.2  | 3.4    | 3.1  |
| 10°   | 2.8  | 2.2    | 2.0  |
| 12.5° | 2.0  | 1.1    | 1.1  |
| 15°   | 1.1  | 0.8    | 0.8  |
| 17.5° | 0.6  | 0.3    | 0.3  |
| 20°   | 0.3  | 0.3    | 0.3  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.3  |
| 39°   | 0.0  | 0.3    | 0.3  |
| 40°   | 0.0  | 0.3    | 0.3  |
| 42.5° | 0.0  | 0.3    | 0.6  |
| 45°   | 0.3  | 0.6    | 0.8  |
| 47.5° | 0.6  | 0.8    | 1.1  |
| 50°   | 0.6  | 1.1    | 1.1  |
| 52.5° | 0.8  | 1.1    | 1.4  |
| 55°   | 0.8  | 1.4    | 1.4  |
| 57.5° | 1.1  | 1.4    | 1.7  |
| 60°   | 1.1  | 1.4    | 1.4  |
| 62.5° | 1.1  | 1.7    | 1.7  |
| 65°   | 1.4  | 1.7    | 1.7  |
| 67.5° | 1.4  | 1.7    | 1.7  |
| 70°   | 1.1  | 1.4    | 1.7  |
| 72.5° | 1.1  | 1.4    | 1.4  |
| 75°   | 0.8  | 1.1    | 1.1  |
| 77.5° | 0.8  | 0.8    | 1.1  |
| 80°   | 0.6  | 0.8    | 0.8  |





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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.6  | 0.6    | 0.6  |
| 85°   | 0.3  | 0.3    | 0.3  |
| 87.5° | 0.3  | 0.3    | 0.3  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)