

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: P1344648

Luminaire Tested: P3A13R25B2750DE010 E3A301WMH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344648  
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: P3A13R25B2750DE010 E3A301WMH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

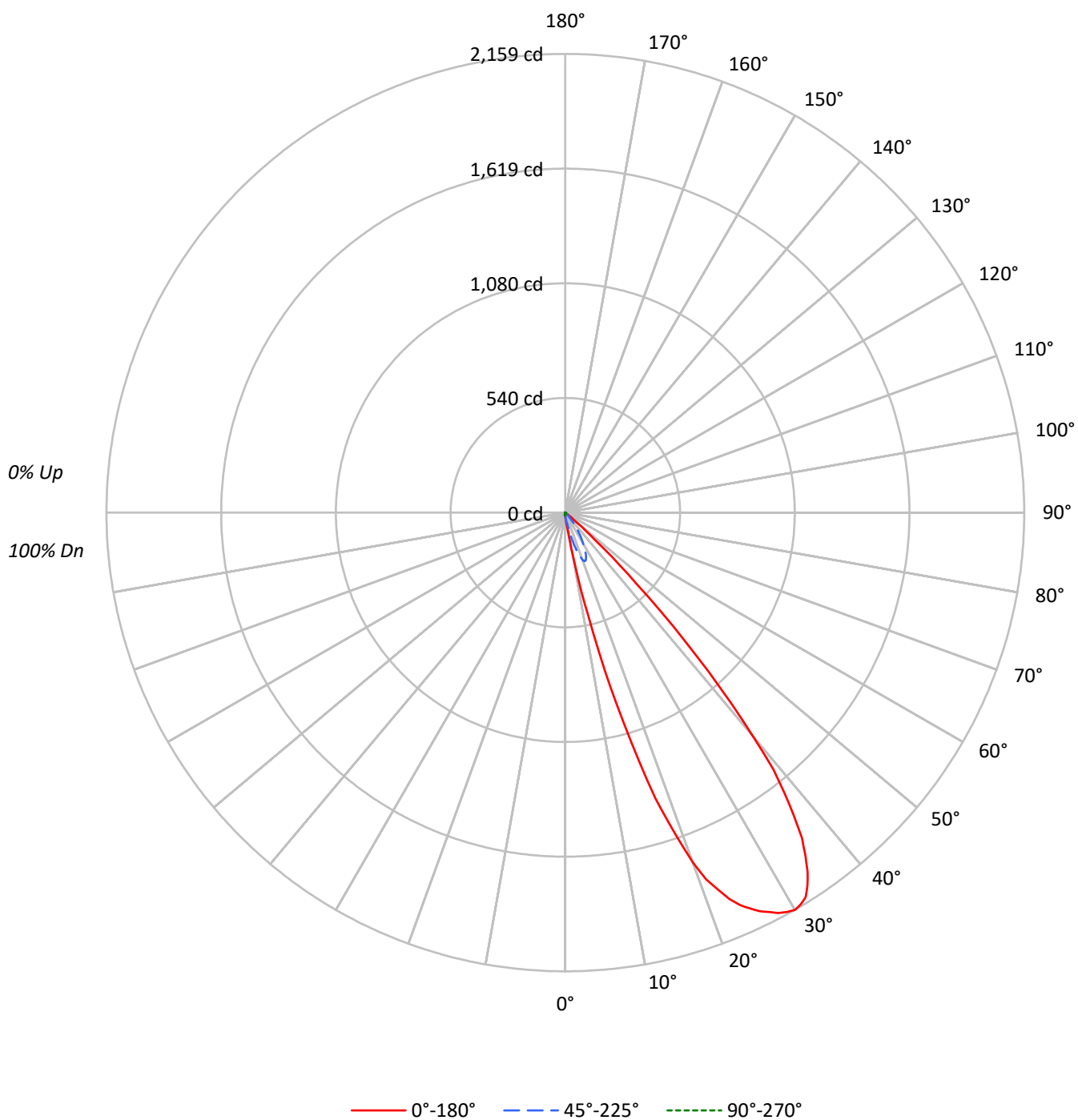
Lumens per Lamp: N/A  
Luminaire Lumens: 432.0 lumens  
Efficiency: N/A  
Efficacy: 22.6 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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  | 104 | 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°  | 4057   | 4057  | 4057 | 4057 | 4057 |
| 5°  | 10213  | 7550  | 3808 | 1959 | 1519 |
| 10° | 44599  | 12825 | 3140 | 891  | 623  |
| 15° | 212101 | 34597 | 2202 | 363  | 272  |
| 20° | 408299 | 55398 | 1400 | 93   | 93   |
| 25° | 497255 | 55890 | 774  | 0    | 0    |
| 30° | 546717 | 42766 | 304  | 0    | 0    |
| 35° | 526845 | 27198 | 107  | 0    | 0    |
| 40° | 393652 | 11765 | 0    | 0    | 115  |
| 45° | 145752 | 3132  | 124  | 124  | 372  |
| 50° | 17193  | 409   | 273  | 273  | 546  |
| 55° | 1682   | 0     | 306  | 459  | 765  |
| 60° | 175    | 0     | 526  | 702  | 877  |
| 65° | 208    | 208   | 830  | 1038 | 1245 |
| 70° | 256    | 256   | 1026 | 1026 | 1539 |
| 75° | 339    | 339   | 1017 | 1017 | 1356 |
| 80° | 0      | 505   | 1515 | 1010 | 1515 |
| 85° | 0      | 1006  | 3019 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 145752 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.7    | 0.6       |
| 10°-20°   | 50.4   | 11.7      |
| 20°-30°   | 158.1  | 36.6      |
| 30°-40°   | 166.4  | 38.5      |
| 40°-50°   | 48.9   | 11.3      |
| 50°-60°   | 2.6    | 0.6       |
| 60°-70°   | 1.3    | 0.3       |
| 70°-80°   | 1.1    | 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°    | 211.1  | 48.9      |
| 0°-40°    | 377.6  | 87.4      |
| 0°-60°    | 429.1  | 99.3      |
| 0°-90°    | 432.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 432.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 18   | 18  | 18  | 18   | 18   |      |
| 5°  | 46   | 34  | 17  | 9    | 7    | 8    |
| 15° | 934  | 152 | 10  | 2    | 1    | 295  |
| 25° | 2055 | 231 | 3   | 0    | 0    | 943  |
| 35° | 1968 | 102 | 0   | 0    | 0    | 1188 |
| 45° | 470  | 10  | 0   | 0    | 1    | 427  |
| 55° | 4    | 0   | 1   | 1    | 2    | 11   |
| 65° | 0    | 0   | 2   | 2    | 2    | 0    |
| 75° | 0    | 0   | 1   | 1    | 2    | 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°   | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|--------|
| 0°    | 18.5   | 18.5   | 18.5   | 18.5   | 18.5   | 18.5   | 18.5  | 18.5  | 18.5  | 18.5 | 18.5   |
| 2.5°  | 28.6   | 29.0   | 27.8   | 28.6   | 27.8   | 27.4   | 27.0  | 25.0  | 21.8  | 18.5 | 15.3   |
| 5°    | 46.4   | 46.4   | 44.3   | 43.9   | 43.1   | 41.5   | 39.9  | 34.3  | 24.6  | 17.3 | 12.1   |
| 7.5°  | 72.6   | 72.1   | 71.3   | 69.3   | 65.3   | 61.3   | 57.2  | 44.7  | 27.0  | 16.1 | 9.3    |
| 10°   | 200.3  | 197.5  | 193.9  | 172.1  | 147.5  | 125.8  | 106.8 | 57.6  | 29.0  | 14.1 | 6.9    |
| 12.5° | 497.8  | 481.7  | 443.4  | 399.8  | 344.2  | 285.8  | 228.5 | 93.9  | 29.8  | 11.7 | 4.8    |
| 15°   | 934.3  | 900.8  | 841.2  | 754.1  | 640.5  | 512.7  | 403.9 | 152.4 | 29.0  | 9.7  | 3.6    |
| 17.5° | 1410.7 | 1378.5 | 1295.8 | 1163.6 | 996.4  | 800.1  | 607.4 | 201.9 | 27.0  | 8.1  | 2.4    |
| 20°   | 1749.7 | 1715.4 | 1638.0 | 1497.8 | 1316.8 | 1055.2 | 799.7 | 237.4 | 25.4  | 6.0  | 1.2    |
| 21°   | 1848.8 | 1814.6 | 1732.8 | 1597.3 | 1407.1 | 1144.7 | 861.3 | 243.4 | 24.2  | 5.2  | 0.8    |
| 22°   | 1911.7 | 1891.6 | 1803.7 | 1672.3 | 1478.4 | 1216.4 | 914.1 | 246.3 | 23.4  | 4.8  | 0.8    |
| 23°   | 1975.0 | 1944.8 | 1862.5 | 1723.9 | 1532.8 | 1269.6 | 953.2 | 244.3 | 22.6  | 4.0  | 0.4    |
| 24°   | 2021.8 | 1996.4 | 1900.8 | 1763.8 | 1570.7 | 1302.3 | 976.2 | 239.0 | 21.4  | 3.6  | 0.4    |
| 25°   | 2055.2 | 2031.8 | 1932.3 | 1790.8 | 1596.1 | 1320.0 | 983.5 | 231.0 | 20.2  | 3.2  | 0.4    |
| 26°   | 2087.1 | 2061.7 | 1958.5 | 1806.5 | 1609.4 | 1325.7 | 976.6 | 222.1 | 18.9  | 2.8  | 0.0    |
| 27°   | 2110.0 | 2084.2 | 1976.6 | 1815.8 | 1610.2 | 1318.8 | 958.1 | 210.0 | 17.7  | 2.4  | 0.0    |
| 28°   | 2134.6 | 2104.8 | 1989.1 | 1821.0 | 1605.4 | 1302.7 | 931.5 | 197.1 | 16.9  | 2.0  | 0.0    |
| 29°   | 2149.5 | 2121.3 | 2002.0 | 1826.7 | 1595.3 | 1275.7 | 892.8 | 181.8 | 14.9  | 1.2  | 0.0    |
| 30°   | 2159.2 | 2125.7 | 2000.8 | 1820.6 | 1582.0 | 1246.7 | 846.4 | 168.9 | 12.9  | 1.2  | 0.0    |
| 31°   | 2151.1 | 2116.1 | 1987.9 | 1803.7 | 1560.7 | 1208.8 | 798.9 | 152.8 | 10.5  | 0.8  | 0.0    |
| 32°   | 2133.8 | 2092.3 | 1965.3 | 1774.3 | 1522.4 | 1160.0 | 749.7 | 139.5 | 7.7   | 0.8  | 0.0    |
| 33°   | 2091.5 | 2056.4 | 1924.6 | 1734.8 | 1472.4 | 1093.9 | 685.6 | 126.6 | 5.2   | 0.4  | 0.0    |
| 34°   | 2038.3 | 2003.2 | 1869.0 | 1682.0 | 1405.5 | 1008.5 | 607.8 | 113.3 | 4.4   | 0.4  | 0.0    |
| 35°   | 1968.1 | 1933.5 | 1806.1 | 1608.2 | 1316.8 | 905.7  | 527.6 | 101.6 | 3.6   | 0.4  | 0.0    |
| 36°   | 1894.4 | 1848.4 | 1726.7 | 1529.6 | 1197.9 | 788.8  | 441.8 | 88.3  | 2.8   | 0.4  | 0.0    |
| 37°   | 1786.0 | 1754.9 | 1619.9 | 1409.9 | 1069.3 | 676.7  | 379.3 | 76.2  | 2.0   | 0.4  | 0.0    |
| 38°   | 1673.5 | 1644.9 | 1513.1 | 1289.4 | 925.8  | 565.9  | 317.6 | 64.5  | 1.6   | 0.0  | 0.0    |
| 39°   | 1557.4 | 1509.9 | 1379.7 | 1135.0 | 775.5  | 474.0  | 267.2 | 54.0  | 0.8   | 0.0  | 0.0    |
| 40°   | 1375.2 | 1339.0 | 1199.9 | 949.6  | 641.7  | 384.1  | 227.7 | 41.1  | 0.8   | 0.0  | 0.0    |
| 42.5° | 911.7  | 877.9  | 732.0  | 515.1  | 341.0  | 224.5  | 150.3 | 16.1  | 0.0   | 0.4  | 0.0    |
| 45°   | 470.0  | 448.6  | 364.4  | 269.6  | 193.5  | 137.8  | 96.7  | 10.1  | 0.0   | 0.4  | 0.4    |
| 47.5° | 186.6  | 183.0  | 165.3  | 142.7  | 110.0  | 81.8   | 52.8  | 4.4   | 0.0   | 0.4  | 0.4    |
| 50°   | 50.4   | 50.8   | 47.6   | 43.9   | 39.9   | 37.5   | 22.2  | 1.2   | 0.0   | 0.8  | 0.4    |
| 52.5° | 21.4   | 21.8   | 21.0   | 19.8   | 17.7   | 13.3   | 8.9   | 0.4   | 0.4   | 0.8  | 0.8    |
| 55°   | 4.4    | 4.8    | 5.2    | 5.6    | 6.4    | 5.6    | 3.6   | 0.0   | 0.4   | 0.8  | 0.8    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 1.2    | 1.2    | 0.8   | 0.0   | 0.4   | 0.8  | 1.2    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0   | 0.0   | 0.8   | 1.2  | 1.2    |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.8   | 1.2  | 1.6    |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.8   | 1.6  | 1.6    |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.2   | 1.6  | 1.6    |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.2   | 1.6  | 1.6    |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.2   | 1.6  | 1.2    |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.2   | 1.2  | 1.2    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.8   | 1.2  | 1.2    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.8   | 1.2  | 0.8    |



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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 | 0.4 | 0.4 | 0.8   | 1.2 | 0.8    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8   | 1.2 | 0.8    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8   | 1.2 | 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):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 18.5 | 18.5   | 18.5 |
| 2.5°  | 12.9 | 11.7   | 11.3 |
| 5°    | 8.9  | 7.7    | 6.9  |
| 7.5°  | 6.0  | 4.8    | 4.4  |
| 10°   | 4.0  | 3.2    | 2.8  |
| 12.5° | 2.8  | 1.6    | 1.6  |
| 15°   | 1.6  | 1.2    | 1.2  |
| 17.5° | 0.8  | 0.4    | 0.4  |
| 20°   | 0.4  | 0.4    | 0.4  |
| 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    | 0.4  |
| 39°   | 0.0  | 0.4    | 0.4  |
| 40°   | 0.0  | 0.4    | 0.4  |
| 42.5° | 0.0  | 0.4    | 0.8  |
| 45°   | 0.4  | 0.8    | 1.2  |
| 47.5° | 0.8  | 1.2    | 1.6  |
| 50°   | 0.8  | 1.6    | 1.6  |
| 52.5° | 1.2  | 1.6    | 2.0  |
| 55°   | 1.2  | 2.0    | 2.0  |
| 57.5° | 1.6  | 2.0    | 2.4  |
| 60°   | 1.6  | 2.0    | 2.0  |
| 62.5° | 1.6  | 2.4    | 2.4  |
| 65°   | 2.0  | 2.4    | 2.4  |
| 67.5° | 2.0  | 2.4    | 2.4  |
| 70°   | 1.6  | 2.0    | 2.4  |
| 72.5° | 1.6  | 2.0    | 2.0  |
| 75°   | 1.2  | 1.6    | 1.6  |
| 77.5° | 1.2  | 1.2    | 1.6  |
| 80°   | 0.8  | 1.2    | 1.2  |





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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.8  | 0.8    | 0.8  |
| 85°   | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)