

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: PORTFOLIO

Report Number: P1308914

Luminaire Tested: LDSQA3D05R309030DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309030DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

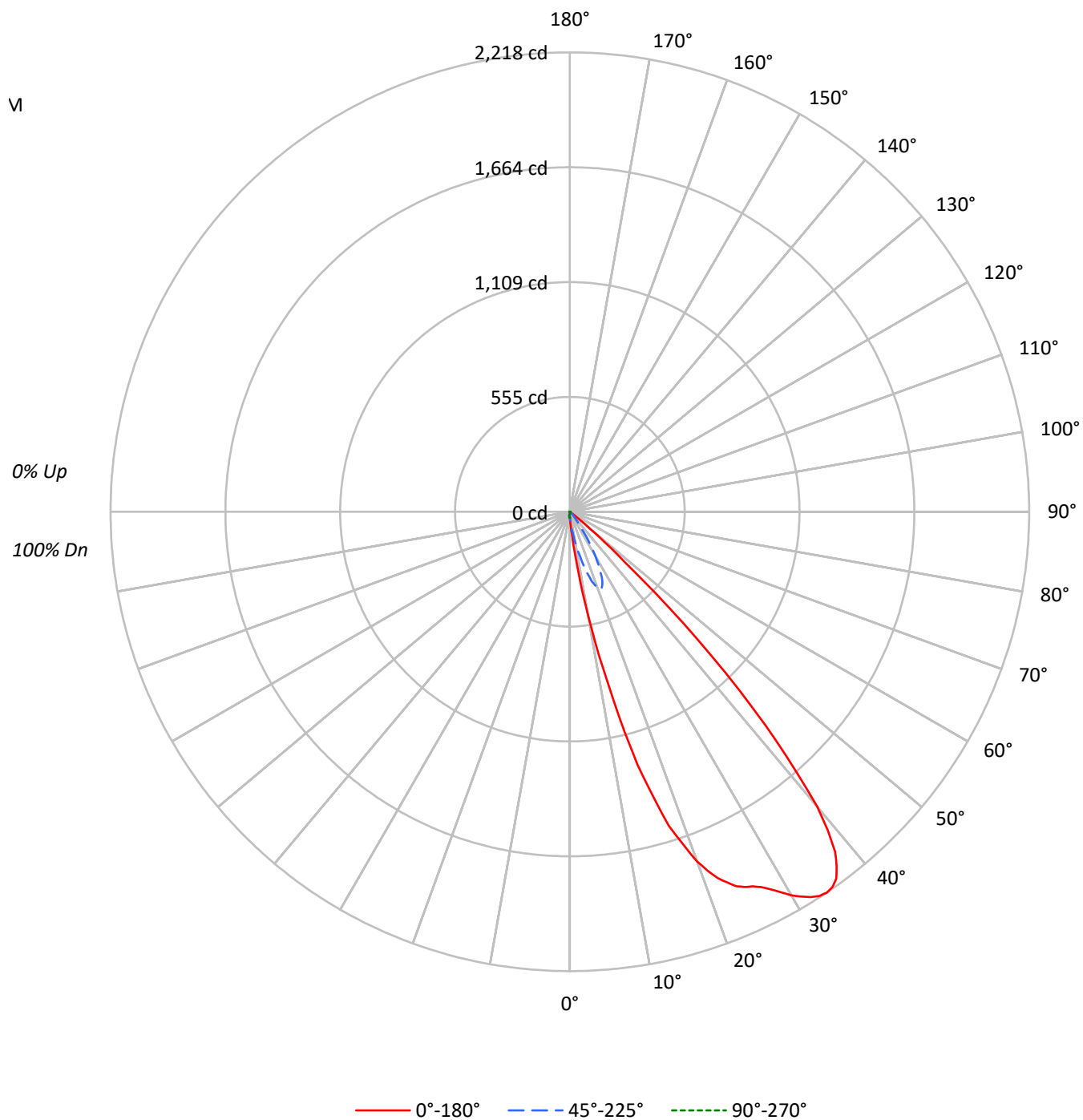
Lumens per Lamp: N/A  
Luminaire Lumens: 534.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 10 |
| 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 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 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   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 4926   | 4926  | 4926 | 4926 | 4926 |
| 5°  | 17841  | 11082 | 4512 | 1815 | 1297 |
| 10° | 88332  | 26547 | 3498 | 350  | 0    |
| 15° | 225333 | 50565 | 2229 | 0    | 0    |
| 20° | 329273 | 71917 | 916  | 0    | 0    |
| 25° | 379863 | 70557 | 190  | 0    | 0    |
| 30° | 425135 | 48424 | 0    | 0    | 0    |
| 35° | 464957 | 20856 | 0    | 0    | 0    |
| 40° | 417312 | 8116  | 0    | 0    | 0    |
| 45° | 213115 | 3288  | 0    | 0    | 0    |
| 50° | 32902  | 402   | 0    | 0    | 0    |
| 55° | 1952   | 0     | 150  | 0    | 0    |
| 60° | 0      | 0     | 172  | 0    | 0    |
| 65° | 0      | 0     | 408  | 0    | 0    |
| 70° | 0      | 252   | 504  | 0    | 0    |
| 75° | 0      | 333   | 998  | 0    | 0    |
| 80° | 0      | 496   | 1488 | 0    | 0    |
| 85° | 0      | 988   | 2964 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 213115 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.0    | 1.1       |
| 10°-20°   | 71.1   | 13.3      |
| 20°-30°   | 175.8  | 32.9      |
| 30°-40°   | 202.2  | 37.9      |
| 40°-50°   | 75.0   | 14.0      |
| 50°-60°   | 2.7    | 0.5       |
| 60°-70°   | 0.3    | 0.0       |
| 70°-80°   | 0.4    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 252.9  | 47.4      |
| 0°-40°    | 455.1  | 85.2      |
| 0°-60°    | 532.9  | 99.8      |
| 0°-90°    | 534.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 534.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 29   | 29  | 29  | 29   | 29   |      |
| 5°  | 103  | 64  | 26  | 10   | 8    | 22   |
| 15° | 1264 | 284 | 12  | 0    | 0    | 363  |
| 25° | 1999 | 371 | 1   | 0    | 0    | 924  |
| 35° | 2212 | 99  | 0   | 0    | 0    | 1341 |
| 45° | 875  | 14  | 0   | 0    | 0    | 681  |
| 55° | 6    | 0   | 0   | 0    | 0    | 22   |
| 65° | 0    | 0   | 1   | 0    | 0    | 0    |
| 75° | 0    | 0   | 2   | 0    | 0    | 0    |
| 85° | 0    | 0   | 2   | 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°    | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6  | 28.6  | 28.6 | 28.6   |
| 2.5°  | 50.6   | 51.1   | 51.1   | 49.6   | 49.1   | 48.6   | 47.1   | 42.6  | 35.6  | 28.6 | 23.1   |
| 5°    | 103.2  | 103.7  | 103.7  | 100.7  | 94.7   | 88.7   | 83.7   | 64.1  | 41.1  | 26.1 | 17.0   |
| 7.5°  | 243.5  | 244.1  | 233.5  | 221.5  | 197.4  | 184.9  | 161.9  | 98.7  | 46.6  | 23.6 | 11.0   |
| 10°   | 505.1  | 494.1  | 466.6  | 431.5  | 394.4  | 346.3  | 297.7  | 151.8 | 50.6  | 20.0 | 7.0    |
| 12.5° | 844.4  | 833.9  | 798.3  | 748.2  | 675.5  | 581.3  | 489.1  | 213.5 | 51.1  | 16.0 | 4.0    |
| 15°   | 1263.8 | 1234.3 | 1191.7 | 1108.5 | 1001.3 | 855.4  | 703.1  | 283.6 | 49.1  | 12.5 | 1.0    |
| 17.5° | 1589.1 | 1562.0 | 1507.9 | 1410.7 | 1277.4 | 1115.5 | 928.6  | 350.3 | 43.6  | 8.0  | 0.0    |
| 20°   | 1796.6 | 1768.0 | 1717.4 | 1631.7 | 1489.9 | 1299.9 | 1085.9 | 392.4 | 36.1  | 5.0  | 0.0    |
| 21°   | 1855.7 | 1828.1 | 1778.5 | 1693.3 | 1552.0 | 1362.6 | 1124.5 | 401.4 | 32.6  | 4.0  | 0.0    |
| 22°   | 1907.8 | 1886.3 | 1840.1 | 1747.4 | 1603.6 | 1408.7 | 1163.6 | 402.4 | 30.1  | 3.0  | 0.0    |
| 23°   | 1944.4 | 1928.8 | 1882.7 | 1797.6 | 1654.2 | 1446.3 | 1184.7 | 396.4 | 27.1  | 2.0  | 0.0    |
| 24°   | 1979.5 | 1960.4 | 1920.8 | 1841.7 | 1694.3 | 1477.8 | 1203.7 | 385.4 | 24.1  | 1.5  | 0.0    |
| 25°   | 1999.0 | 1977.0 | 1946.4 | 1872.2 | 1727.4 | 1497.9 | 1215.2 | 371.3 | 21.0  | 1.0  | 0.0    |
| 26°   | 2012.5 | 1995.5 | 1961.9 | 1890.3 | 1741.4 | 1510.9 | 1216.7 | 350.8 | 19.0  | 0.5  | 0.0    |
| 27°   | 2033.1 | 2016.0 | 1983.5 | 1906.3 | 1747.4 | 1508.9 | 1207.7 | 327.2 | 16.5  | 0.0  | 0.0    |
| 28°   | 2064.2 | 2041.6 | 2009.0 | 1923.3 | 1749.9 | 1500.4 | 1187.7 | 301.7 | 14.0  | 0.0  | 0.0    |
| 29°   | 2099.7 | 2076.7 | 2041.1 | 1945.9 | 1750.4 | 1483.3 | 1156.1 | 273.6 | 12.5  | 0.0  | 0.0    |
| 30°   | 2137.8 | 2117.8 | 2081.7 | 1967.9 | 1756.0 | 1461.3 | 1119.5 | 243.5 | 10.0  | 0.0  | 0.0    |
| 31°   | 2167.9 | 2149.8 | 2111.3 | 1988.0 | 1760.5 | 1442.3 | 1074.4 | 213.5 | 8.5   | 0.0  | 0.0    |
| 32°   | 2193.9 | 2177.9 | 2130.3 | 1992.5 | 1751.4 | 1415.2 | 1026.3 | 184.4 | 7.0   | 0.0  | 0.0    |
| 33°   | 2212.0 | 2191.9 | 2136.3 | 1981.0 | 1725.4 | 1370.6 | 972.7  | 156.9 | 5.5   | 0.0  | 0.0    |
| 34°   | 2218.5 | 2194.4 | 2127.3 | 1950.9 | 1672.8 | 1302.9 | 903.0  | 128.3 | 4.5   | 0.0  | 0.0    |
| 35°   | 2211.5 | 2181.9 | 2094.7 | 1899.3 | 1601.6 | 1222.3 | 819.3  | 99.2  | 3.5   | 0.0  | 0.0    |
| 36°   | 2188.9 | 2151.4 | 2048.1 | 1825.6 | 1499.9 | 1127.0 | 735.7  | 77.2  | 2.5   | 0.0  | 0.0    |
| 37°   | 2140.3 | 2098.7 | 1968.4 | 1728.4 | 1399.2 | 1017.8 | 640.4  | 60.1  | 1.5   | 0.0  | 0.0    |
| 38°   | 2080.7 | 2020.6 | 1862.2 | 1605.6 | 1268.9 | 895.0  | 546.2  | 49.6  | 1.0   | 0.0  | 0.0    |
| 39°   | 1979.0 | 1912.8 | 1735.9 | 1464.3 | 1141.1 | 778.3  | 454.5  | 43.1  | 0.5   | 0.0  | 0.0    |
| 40°   | 1856.2 | 1777.5 | 1591.6 | 1313.0 | 990.2  | 656.0  | 379.4  | 36.1  | 0.5   | 0.0  | 0.0    |
| 42.5° | 1400.2 | 1333.5 | 1133.6 | 893.0  | 605.4  | 386.9  | 210.5  | 23.6  | 0.0   | 0.0  | 0.0    |
| 45°   | 875.0  | 805.3  | 670.0  | 489.6  | 327.7  | 200.5  | 101.2  | 13.5  | 0.0   | 0.0  | 0.0    |
| 47.5° | 357.3  | 327.7  | 269.6  | 207.5  | 148.3  | 94.2   | 42.1   | 6.0   | 0.0   | 0.0  | 0.0    |
| 50°   | 122.8  | 109.2  | 91.7   | 67.2   | 47.6   | 32.6   | 22.0   | 1.5   | 0.0   | 0.0  | 0.0    |
| 52.5° | 35.6   | 36.1   | 31.6   | 27.1   | 21.0   | 15.0   | 11.0   | 0.0   | 0.0   | 0.0  | 0.0    |
| 55°   | 6.5    | 5.5    | 6.5    | 6.0    | 6.5    | 5.5    | 4.0    | 0.0   | 0.0   | 0.5  | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.0   | 0.5   | 0.5  | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.5  | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0  | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0  | 0.5    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.0  | 0.5    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.0  | 0.5    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.5  | 0.5    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.5  | 0.5    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.5  | 0.5    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   | 1.0   | 1.5  | 0.5    |



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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 | 0.0 | 0.5 | 1.0   | 1.5 | 0.5    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0   | 1.5 | 0.5    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0   | 1.5 | 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):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 28.6 | 28.6   | 28.6 |
| 2.5°  | 18.5 | 16.5   | 15.5 |
| 5°    | 10.5 | 8.0    | 7.5  |
| 7.5°  | 5.5  | 3.5    | 3.0  |
| 10°   | 2.0  | 0.5    | 0.0  |
| 12.5° | 0.0  | 0.0    | 0.0  |
| 15°   | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0  | 0.0    | 0.0  |
| 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    | 0.0  |
| 39°   | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0  | 0.0    | 0.0  |
| 65°   | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.0  | 0.0    | 0.0  |
| 70°   | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.0  | 0.0    | 0.0  |
| 75°   | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.0  | 0.0    | 0.0  |
| 80°   | 0.0  | 0.0    | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)