

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: P1326280

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326280  
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: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

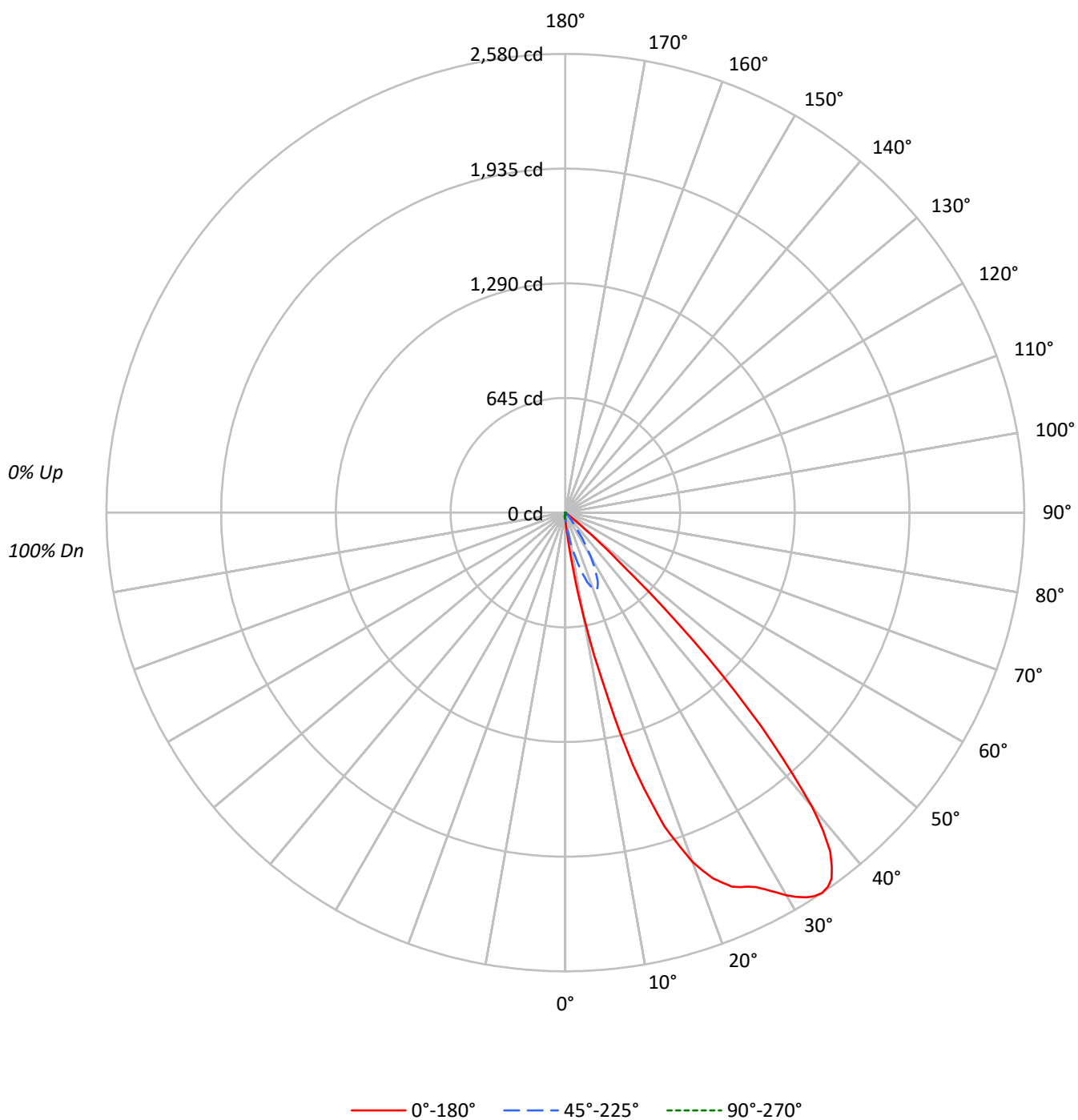
Lumens per Lamp: N/A  
Luminaire Lumens: 621.0 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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



TEST NUMBER: P1326280

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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°  | 5718   | 5718  | 5718 | 5718 | 5718 |
| 5°  | 20763  | 12897 | 5238 | 2109 | 1504 |
| 10° | 102724 | 30884 | 4075 | 402  | 0    |
| 15° | 262062 | 58821 | 2603 | 0    | 0    |
| 20° | 382899 | 83629 | 1063 | 0    | 0    |
| 25° | 441755 | 82054 | 228  | 0    | 0    |
| 30° | 494400 | 56319 | 0    | 0    | 0    |
| 35° | 540708 | 24262 | 0    | 0    | 0    |
| 40° | 485298 | 9442  | 0    | 0    | 0    |
| 45° | 247822 | 3824  | 0    | 0    | 0    |
| 50° | 38261  | 455   | 0    | 0    | 0    |
| 55° | 2282   | 0     | 180  | 0    | 0    |
| 60° | 0      | 0     | 207  | 0    | 0    |
| 65° | 0      | 0     | 489  | 0    | 0    |
| 70° | 0      | 302   | 604  | 0    | 0    |
| 75° | 0      | 399   | 1131 | 0    | 0    |
| 80° | 0      | 595   | 1686 | 0    | 0    |
| 85° | 0      | 1186  | 3359 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 247822 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.9    | 1.1       |
| 10°-20°   | 82.7   | 13.3      |
| 20°-30°   | 204.5  | 32.9      |
| 30°-40°   | 235.1  | 37.9      |
| 40°-50°   | 87.2   | 14.0      |
| 50°-60°   | 3.2    | 0.5       |
| 60°-70°   | 0.3    | 0.1       |
| 70°-80°   | 0.5    | 0.1       |
| 80°-90°   | 0.5    | 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°    | 294.2  | 47.4      |
| 0°-40°    | 529.3  | 85.2      |
| 0°-60°    | 619.7  | 99.8      |
| 0°-90°    | 621.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 621.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 33   | 33  | 33  | 33   | 33   |      |
| 5°  | 120  | 75  | 30  | 12   | 9    | 26   |
| 15° | 1470 | 330 | 15  | 0    | 0    | 423  |
| 25° | 2325 | 432 | 1   | 0    | 0    | 1074 |
| 35° | 2572 | 115 | 0   | 0    | 0    | 1559 |
| 45° | 1018 | 16  | 0   | 0    | 0    | 792  |
| 55° | 8    | 0   | 1   | 0    | 0    | 26   |
| 65° | 0    | 0   | 1   | 0    | 0    | 0    |
| 75° | 0    | 1   | 2   | 0    | 0    | 0    |
| 85° | 0    | 1   | 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°    | 33.2   | 33.2   | 33.2   | 33.2   | 33.2   | 33.2   | 33.2   | 33.2  | 33.2  | 33.2 | 33.2   |
| 2.5°  | 58.9   | 59.4   | 59.4   | 57.7   | 57.1   | 56.5   | 54.8   | 49.5  | 41.4  | 33.2 | 26.8   |
| 5°    | 120.1  | 120.6  | 120.6  | 117.1  | 110.1  | 103.2  | 97.3   | 74.6  | 47.8  | 30.3 | 19.8   |
| 7.5°  | 283.2  | 283.8  | 271.6  | 257.6  | 229.6  | 215.0  | 188.2  | 114.8 | 54.2  | 27.4 | 12.8   |
| 10°   | 587.4  | 574.6  | 542.6  | 501.8  | 458.6  | 402.7  | 346.2  | 176.6 | 58.9  | 23.3 | 8.2    |
| 12.5° | 982.0  | 969.7  | 928.4  | 870.1  | 785.6  | 676.0  | 568.8  | 248.3 | 59.4  | 18.6 | 4.7    |
| 15°   | 1469.8 | 1435.4 | 1385.8 | 1289.1 | 1164.4 | 994.8  | 817.6  | 329.9 | 57.1  | 14.6 | 1.2    |
| 17.5° | 1848.0 | 1816.5 | 1753.6 | 1640.5 | 1485.5 | 1297.3 | 1079.9 | 407.4 | 50.7  | 9.3  | 0.0    |
| 20°   | 2089.2 | 2056.0 | 1997.2 | 1897.5 | 1732.6 | 1511.7 | 1262.9 | 456.3 | 42.0  | 5.8  | 0.0    |
| 21°   | 2158.0 | 2126.0 | 2068.3 | 1969.2 | 1804.9 | 1584.6 | 1307.7 | 466.8 | 37.9  | 4.7  | 0.0    |
| 22°   | 2218.6 | 2193.6 | 2139.9 | 2032.1 | 1864.9 | 1638.2 | 1353.2 | 468.0 | 35.0  | 3.5  | 0.0    |
| 23°   | 2261.2 | 2243.1 | 2189.5 | 2090.4 | 1923.7 | 1681.9 | 1377.7 | 461.0 | 31.5  | 2.3  | 0.0    |
| 24°   | 2302.0 | 2279.8 | 2233.8 | 2141.7 | 1970.4 | 1718.6 | 1399.8 | 448.2 | 28.0  | 1.7  | 0.0    |
| 25°   | 2324.7 | 2299.0 | 2263.5 | 2177.2 | 2008.8 | 1741.9 | 1413.2 | 431.8 | 24.5  | 1.2  | 0.0    |
| 26°   | 2340.4 | 2320.6 | 2281.6 | 2198.2 | 2025.1 | 1757.1 | 1415.0 | 407.9 | 22.1  | 0.6  | 0.0    |
| 27°   | 2364.3 | 2344.5 | 2306.6 | 2216.9 | 2032.1 | 1754.7 | 1404.5 | 380.6 | 19.2  | 0.0  | 0.0    |
| 28°   | 2400.4 | 2374.2 | 2336.3 | 2236.7 | 2035.0 | 1744.8 | 1381.2 | 350.8 | 16.3  | 0.0  | 0.0    |
| 29°   | 2441.8 | 2415.0 | 2373.6 | 2262.9 | 2035.6 | 1725.0 | 1344.5 | 318.2 | 14.6  | 0.0  | 0.0    |
| 30°   | 2486.1 | 2462.8 | 2420.8 | 2288.6 | 2042.0 | 1699.4 | 1301.9 | 283.2 | 11.7  | 0.0  | 0.0    |
| 31°   | 2521.1 | 2500.1 | 2455.2 | 2311.9 | 2047.3 | 1677.2 | 1249.5 | 248.3 | 9.9   | 0.0  | 0.0    |
| 32°   | 2551.4 | 2532.7 | 2477.4 | 2317.1 | 2036.8 | 1645.8 | 1193.5 | 214.5 | 8.2   | 0.0  | 0.0    |
| 33°   | 2572.4 | 2549.1 | 2484.4 | 2303.7 | 2006.5 | 1593.9 | 1131.2 | 182.4 | 6.4   | 0.0  | 0.0    |
| 34°   | 2579.9 | 2552.0 | 2473.9 | 2268.7 | 1945.3 | 1515.2 | 1050.2 | 149.2 | 5.2   | 0.0  | 0.0    |
| 35°   | 2571.8 | 2537.4 | 2436.0 | 2208.7 | 1862.5 | 1421.4 | 952.8  | 115.4 | 4.1   | 0.0  | 0.0    |
| 36°   | 2545.6 | 2501.9 | 2381.8 | 2123.0 | 1744.2 | 1310.7 | 855.5  | 89.7  | 2.9   | 0.0  | 0.0    |
| 37°   | 2489.0 | 2440.7 | 2289.1 | 2010.0 | 1627.1 | 1183.6 | 744.8  | 69.9  | 1.7   | 0.0  | 0.0    |
| 38°   | 2419.7 | 2349.7 | 2165.6 | 1867.2 | 1475.6 | 1040.8 | 635.2  | 57.7  | 1.2   | 0.0  | 0.0    |
| 39°   | 2301.4 | 2224.5 | 2018.7 | 1702.9 | 1327.0 | 905.0  | 528.6  | 50.1  | 0.6   | 0.0  | 0.0    |
| 40°   | 2158.6 | 2067.1 | 1850.9 | 1526.9 | 1151.6 | 762.9  | 441.2  | 42.0  | 0.6   | 0.0  | 0.0    |
| 42.5° | 1628.3 | 1550.8 | 1318.2 | 1038.5 | 704.0  | 449.9  | 244.8  | 27.4  | 0.0   | 0.0  | 0.0    |
| 45°   | 1017.5 | 936.5  | 779.2  | 569.4  | 381.1  | 233.1  | 117.7  | 15.7  | 0.0   | 0.0  | 0.0    |
| 47.5° | 415.5  | 381.1  | 313.5  | 241.3  | 172.5  | 109.6  | 49.0   | 7.0   | 0.0   | 0.0  | 0.0    |
| 50°   | 142.8  | 127.0  | 106.6  | 78.1   | 55.4   | 37.9   | 25.6   | 1.7   | 0.0   | 0.0  | 0.0    |
| 52.5° | 41.4   | 42.0   | 36.7   | 31.5   | 24.5   | 17.5   | 12.8   | 0.0   | 0.0   | 0.0  | 0.0    |
| 55°   | 7.6    | 6.4    | 7.6    | 7.0    | 7.6    | 6.4    | 4.7    | 0.0   | 0.0   | 0.6  | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.0   | 0.6   | 0.6  | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.6   | 0.6  | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.6   | 1.2  | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.6   | 1.2  | 0.6    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.2  | 0.6    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.2  | 0.6    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.7  | 0.6    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.7  | 0.6    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.7  | 0.6    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6   | 1.2   | 1.7  | 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 | 0.0 | 0.6 | 1.2   | 1.7 | 0.6    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.2   | 1.7 | 0.6    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.2   | 1.7 | 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°    | 33.2 | 33.2   | 33.2 |
| 2.5°  | 21.6 | 19.2   | 18.1 |
| 5°    | 12.2 | 9.3    | 8.7  |
| 7.5°  | 6.4  | 4.1    | 3.5  |
| 10°   | 2.3  | 0.6    | 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)