

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: P1317894

Luminaire Tested: LDSQA3D02R259830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259830DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

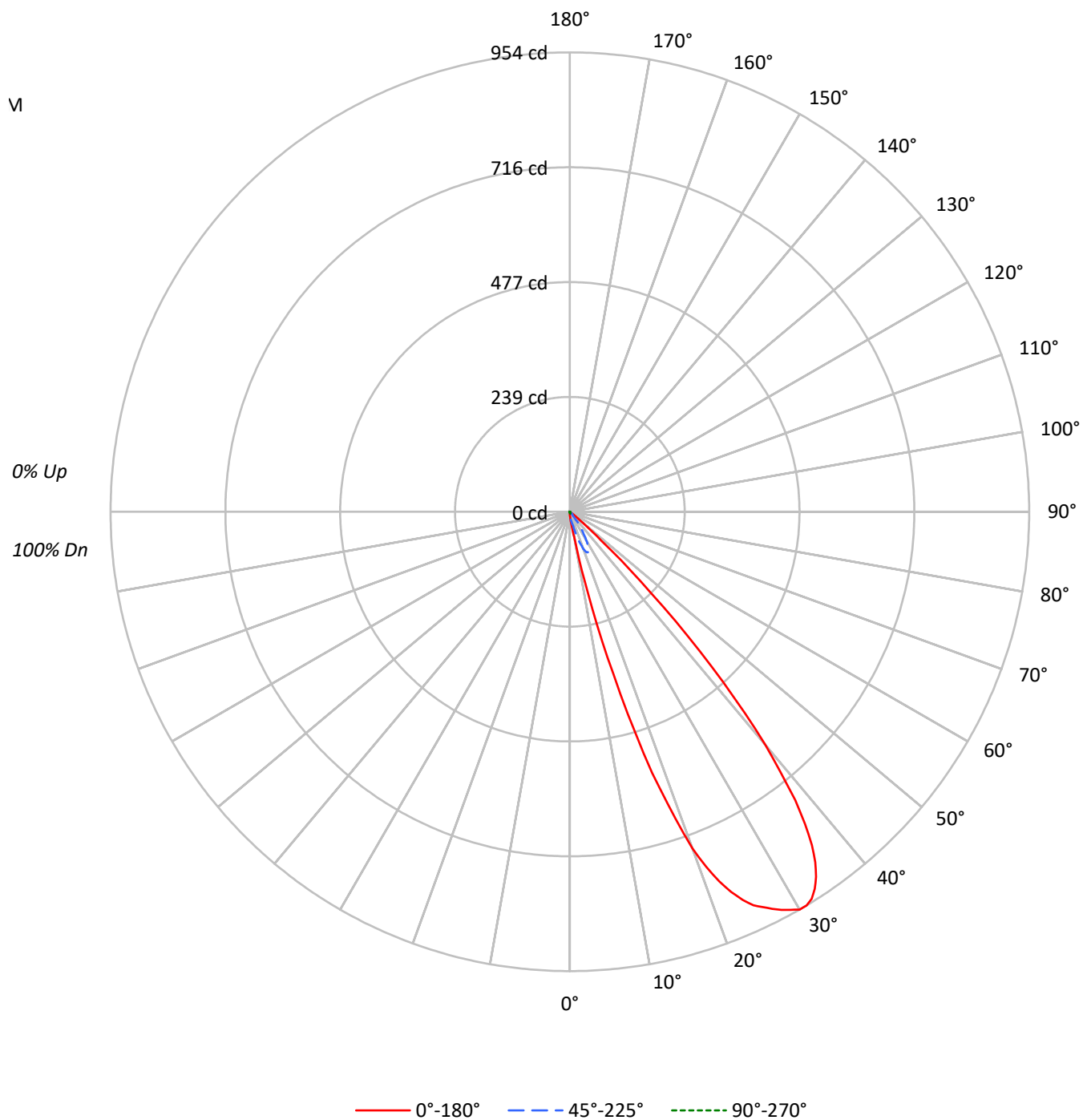
Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

TEST NUMBER: P1317894

CATALOG NUMBER: LDSQA3D02R259830DE010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1317894

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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 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 38  | 60  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1016   | 1016  | 1016 | 1016 | 1016 |
| 5°  | 3181   | 2230  | 934  | 501  | 363  |
| 10° | 10056  | 4040  | 682  | 70   | 0    |
| 15° | 62173  | 7702  | 410  | 0    | 0    |
| 20° | 136320 | 15010 | 128  | 0    | 0    |
| 25° | 171366 | 17254 | 0    | 0    | 0    |
| 30° | 189698 | 13364 | 0    | 0    | 0    |
| 35° | 186740 | 7569  | 0    | 0    | 0    |
| 40° | 141952 | 1978  | 0    | 0    | 0    |
| 45° | 57504  | 877   | 0    | 0    | 0    |
| 50° | 6377   | 107   | 0    | 0    | 0    |
| 55° | 480    | 0     | 60   | 0    | 0    |
| 60° | 0      | 0     | 69   | 0    | 0    |
| 65° | 0      | 0     | 163  | 0    | 0    |
| 70° | 0      | 101   | 201  | 0    | 0    |
| 75° | 0      | 133   | 333  | 0    | 0    |
| 80° | 0      | 198   | 496  | 0    | 0    |
| 85° | 0      | 395   | 988  | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57504 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.9    | 0.5       |
| 10°-20°   | 19.3   | 10.3      |
| 20°-30°   | 67.5   | 36.1      |
| 30°-40°   | 75.3   | 40.3      |
| 40°-50°   | 22.7   | 12.2      |
| 50°-60°   | 0.8    | 0.4       |
| 60°-70°   | 0.1    | 0.1       |
| 70°-80°   | 0.2    | 0.1       |
| 80°-90°   | 0.2    | 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°    | 87.8   | 46.9      |
| 0°-40°    | 163.1  | 87.2      |
| 0°-60°    | 186.6  | 99.8      |
| 0°-90°    | 187.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 187.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 18  | 13  | 5   | 3    | 2    | 3    |
| 15° | 349 | 43  | 2   | 0    | 0    | 116  |
| 25° | 902 | 91  | 0   | 0    | 0    | 411  |
| 35° | 888 | 36  | 0   | 0    | 0    | 533  |
| 45° | 236 | 4   | 0   | 0    | 0    | 204  |
| 55° | 2   | 0   | 0   | 0    | 0    | 5    |
| 65° | 0   | 0   | 0   | 0    | 0    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 1°    | 2°    | 3°    | 4°    | 5°    | 6°    | 7°    | 8°    | 9°    | 10°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 2.5°  | 10.2  | 10.6  | 10.4  | 10.6  | 10.4  | 10.4  | 10.4  | 10.6  | 10.4  | 10.4  | 10.4  |
| 5°    | 18.4  | 18.6  | 18.6  | 18.4  | 18.4  | 18.8  | 18.4  | 18.6  | 18.1  | 18.4  | 18.3  |
| 7.5°  | 30.3  | 29.9  | 29.9  | 30.1  | 30.1  | 29.7  | 29.6  | 29.2  | 29.6  | 29.6  | 29.0  |
| 10°   | 57.5  | 57.1  | 56.2  | 55.9  | 56.2  | 56.2  | 54.4  | 54.8  | 55.0  | 53.4  | 52.8  |
| 12.5° | 168.9 | 167.6 | 170.2 | 166.2 | 163.9 | 160.1 | 162.3 | 154.9 | 153.3 | 152.2 | 149.7 |
| 15°   | 348.7 | 358.2 | 354.1 | 354.5 | 355.2 | 346.2 | 349.3 | 338.2 | 328.8 | 326.0 | 324.0 |
| 17.5° | 568.7 | 571.5 | 567.8 | 566.0 | 565.3 | 561.0 | 555.8 | 550.2 | 543.1 | 536.8 | 531.6 |
| 20°   | 743.8 | 741.7 | 735.2 | 736.0 | 728.3 | 724.3 | 719.8 | 714.3 | 708.7 | 699.6 | 690.8 |
| 21°   | 790.0 | 783.8 | 784.0 | 779.7 | 779.5 | 774.5 | 766.6 | 760.9 | 755.8 | 745.5 | 739.9 |
| 22°   | 828.0 | 826.6 | 823.4 | 820.1 | 816.7 | 814.2 | 805.5 | 802.6 | 792.4 | 783.8 | 775.9 |
| 23°   | 857.6 | 858.1 | 855.2 | 853.1 | 848.4 | 847.4 | 836.1 | 832.1 | 825.2 | 812.1 | 804.0 |
| 24°   | 882.1 | 881.2 | 878.0 | 874.2 | 871.5 | 869.0 | 860.4 | 854.0 | 846.3 | 835.5 | 827.7 |
| 25°   | 901.8 | 899.7 | 897.5 | 894.6 | 890.4 | 887.5 | 878.7 | 871.5 | 864.9 | 852.9 | 842.2 |
| 26°   | 913.5 | 914.0 | 910.6 | 908.4 | 904.7 | 901.8 | 892.7 | 884.3 | 876.0 | 863.1 | 853.5 |
| 27°   | 925.3 | 924.7 | 921.7 | 918.5 | 914.5 | 913.5 | 902.9 | 894.1 | 885.7 | 872.1 | 860.6 |
| 28°   | 936.2 | 934.8 | 932.3 | 928.5 | 924.2 | 921.0 | 910.8 | 901.6 | 892.5 | 878.0 | 865.5 |
| 29°   | 945.3 | 943.9 | 942.3 | 937.5 | 931.9 | 929.8 | 918.8 | 907.7 | 898.6 | 883.7 | 870.5 |
| 30°   | 953.9 | 951.2 | 947.5 | 943.4 | 938.0 | 933.9 | 922.4 | 912.7 | 902.0 | 885.5 | 872.8 |
| 31°   | 954.3 | 950.7 | 948.0 | 943.7 | 937.6 | 932.6 | 920.6 | 910.8 | 898.2 | 882.8 | 869.0 |
| 32°   | 948.0 | 946.2 | 941.9 | 937.3 | 931.4 | 926.4 | 913.1 | 902.7 | 890.9 | 874.4 | 860.6 |
| 33°   | 933.9 | 932.1 | 929.6 | 924.7 | 917.0 | 912.4 | 900.6 | 889.1 | 877.5 | 862.6 | 846.8 |
| 34°   | 914.4 | 912.2 | 909.0 | 904.1 | 896.3 | 891.4 | 881.9 | 870.1 | 857.8 | 842.3 | 827.7 |
| 35°   | 888.2 | 884.1 | 883.2 | 876.0 | 868.7 | 867.4 | 856.1 | 843.8 | 831.2 | 814.2 | 801.5 |
| 36°   | 855.8 | 850.9 | 847.7 | 845.2 | 840.4 | 834.5 | 823.4 | 813.5 | 797.4 | 786.5 | 768.6 |
| 37°   | 811.5 | 805.6 | 808.7 | 801.9 | 794.3 | 791.8 | 777.7 | 768.7 | 755.1 | 740.3 | 725.0 |
| 38°   | 760.0 | 759.4 | 758.7 | 755.7 | 742.8 | 736.1 | 730.2 | 720.7 | 708.9 | 691.0 | 670.4 |
| 39°   | 694.8 | 695.8 | 692.1 | 692.4 | 686.0 | 679.4 | 671.1 | 660.4 | 646.0 | 629.7 | 613.1 |
| 40°   | 631.4 | 616.1 | 618.8 | 609.7 | 610.2 | 600.4 | 589.6 | 580.1 | 571.0 | 556.7 | 533.9 |
| 42.5° | 436.8 | 434.5 | 426.5 | 420.7 | 423.2 | 410.5 | 396.4 | 383.1 | 370.4 | 354.3 | 334.4 |
| 45°   | 236.1 | 230.7 | 232.3 | 223.0 | 223.0 | 217.3 | 213.3 | 202.2 | 190.4 | 183.0 | 171.6 |
| 47.5° | 87.8  | 88.8  | 90.8  | 87.0  | 82.7  | 85.3  | 81.5  | 81.5  | 79.5  | 77.2  | 74.0  |
| 50°   | 23.8  | 24.2  | 23.8  | 23.8  | 23.3  | 22.9  | 22.2  | 22.0  | 21.9  | 21.3  | 20.4  |
| 52.5° | 9.7   | 9.1   | 9.1   | 9.3   | 9.3   | 9.0   | 9.1   | 9.1   | 9.0   | 8.8   | 8.8   |
| 55°   | 1.6   | 1.8   | 1.8   | 1.8   | 1.8   | 1.6   | 1.6   | 1.8   | 2.0   | 1.8   | 1.8   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 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):**

|       | 0°  | 1°  | 2°  | 3°  | 4°  | 5°  | 6°  | 7°  | 8°  | 9°  | 10° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):**

|       | 22.5° | 45°  | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|-------|-----|--------|------|--------|------|
| 0°    | 5.9   | 5.9  | 5.9   | 5.9 | 5.9    | 5.9  | 5.9    | 5.9  |
| 2.5°  | 10.0  | 8.8  | 7.3   | 6.1 | 4.8    | 4.1  | 3.8    | 3.9  |
| 5°    | 17.0  | 12.9 | 8.4   | 5.4 | 3.8    | 2.9  | 2.3    | 2.1  |
| 7.5°  | 26.1  | 17.7 | 9.5   | 4.7 | 2.9    | 1.4  | 0.9    | 0.7  |
| 10°   | 40.1  | 23.1 | 10.2  | 3.9 | 1.8    | 0.4  | 0.0    | 0.0  |
| 12.5° | 103.0 | 28.3 | 10.4  | 3.2 | 0.7    | 0.0  | 0.0    | 0.0  |
| 15°   | 211.7 | 43.2 | 10.0  | 2.3 | 0.2    | 0.0  | 0.0    | 0.0  |
| 17.5° | 351.9 | 66.1 | 8.8   | 1.6 | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 488.3 | 81.9 | 7.0   | 0.7 | 0.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 529.3 | 86.5 | 6.3   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 22°   | 562.8 | 89.9 | 5.6   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 590.7 | 91.7 | 4.8   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 610.2 | 92.1 | 4.5   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°   | 619.5 | 90.8 | 3.9   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 26°   | 623.1 | 88.3 | 3.6   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 620.4 | 85.1 | 3.2   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 615.6 | 80.2 | 2.7   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 606.1 | 73.8 | 2.3   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 597.0 | 67.2 | 2.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 586.6 | 61.3 | 1.6   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 573.9 | 54.4 | 1.3   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 552.7 | 48.2 | 0.9   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 523.2 | 42.3 | 0.7   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 483.6 | 36.0 | 0.5   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 440.2 | 29.4 | 0.4   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 387.2 | 21.3 | 0.4   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 331.9 | 13.4 | 0.2   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 275.3 | 10.2 | 0.2   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 223.5 | 8.8  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 119.6 | 5.9  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 70.6  | 3.6  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 39.4  | 1.4  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°   | 14.1  | 0.4  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5° | 5.6   | 0.0  | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°   | 2.0   | 0.0  | 0.0   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.2   | 0.0  | 0.2   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0   | 0.0  | 0.2   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0   | 0.0  | 0.2   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°   | 0.0   | 0.0  | 0.4   | 0.4 | 0.2    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.0   | 0.2  | 0.4   | 0.4 | 0.2    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.0   | 0.2  | 0.4   | 0.4 | 0.2    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.0   | 0.2  | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.0   | 0.2  | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.0   | 0.2  | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.0   | 0.2  | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P1317894

CATALOG NUMBER: LDSQA3D02R259830DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|-------|-----|--------|------|--------|------|
| 82.5° | 0.0   | 0.2 | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 85°   | 0.0   | 0.2 | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 87.5° | 0.0   | 0.2 | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)