

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: P1316539

Luminaire Tested: LDSQA3D13R159740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

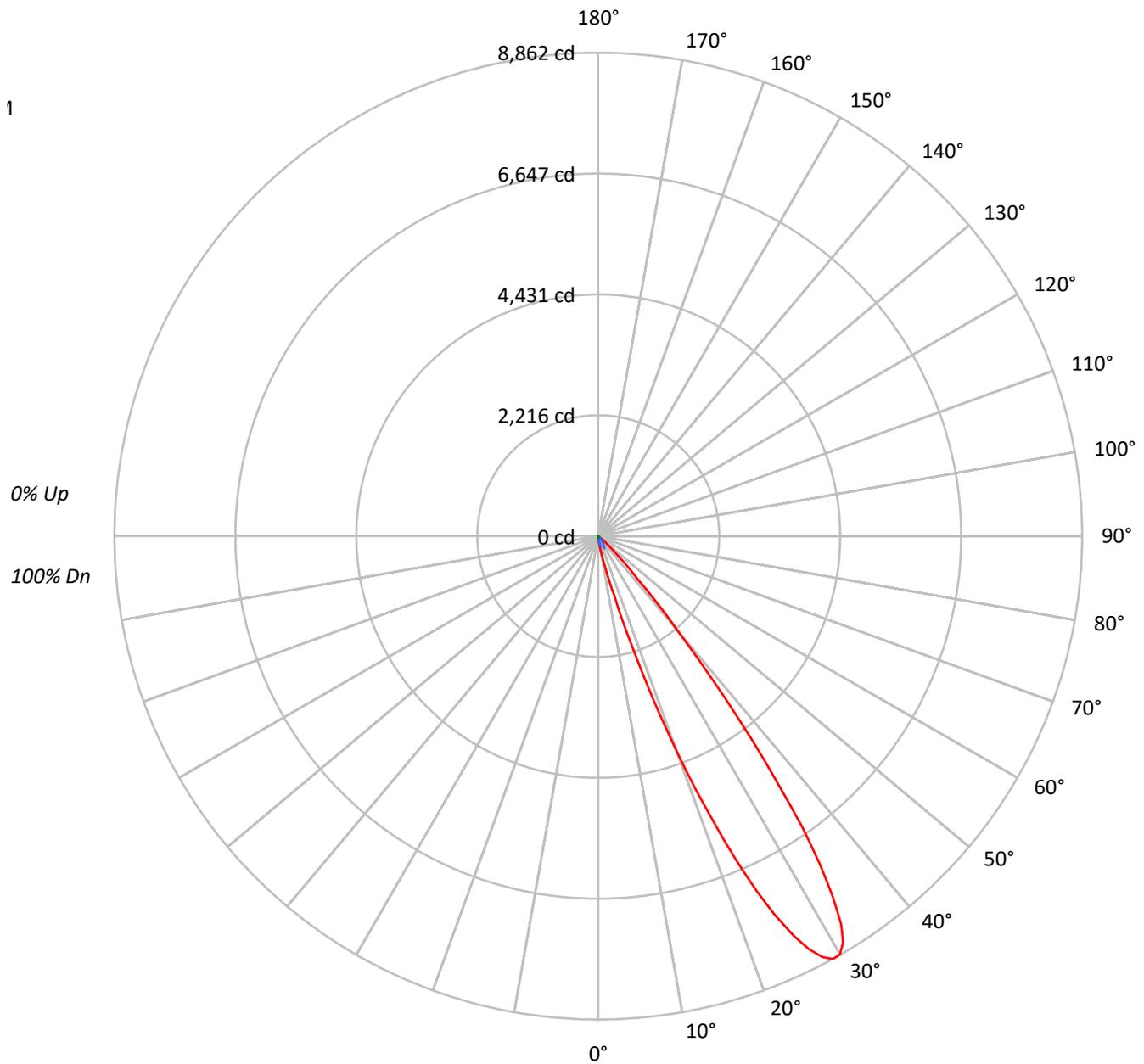
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  | 92  | 92  | 92  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  | 83  | 83  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  | 75  | 75  | 75  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 70  | 68  | 68  | 68  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 71  | 66  | 63  | 61  | 61  | 61  | 61  |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  | 55  | 55  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  | 50  | 50  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  | 45  | 45  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  | 41  | 41  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  | 37  | 37  | 37  |

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

|     | 0°      | 45°   | 90°  | 135° | 180° |
|-----|---------|-------|------|------|------|
| 0°  | 5511    | 5511  | 5511 | 5511 | 5511 |
| 5°  | 11877   | 8782  | 5204 | 2766 | 2282 |
| 10° | 52691   | 16631 | 4110 | 1154 | 822  |
| 15° | 199284  | 38441 | 2853 | 499  | 339  |
| 20° | 766403  | 54195 | 1723 | 165  | 165  |
| 25° | 1457409 | 50813 | 893  | 0    | 0    |
| 30° | 1760577 | 41006 | 378  | 0    | 0    |
| 35° | 1373131 | 27921 | 189  | 0    | 0    |
| 40° | 501080  | 13759 | 202  | 0    | 202  |
| 45° | 128648  | 4116  | 219  | 0    | 463  |
| 50° | 21702   | 509   | 241  | 241  | 750  |
| 55° | 2822    | 0     | 570  | 841  | 1411 |
| 60° | 310     | 310   | 964  | 1309 | 1929 |
| 65° | 367     | 367   | 1549 | 1915 | 2282 |
| 70° | 453     | 453   | 1913 | 1913 | 2367 |
| 75° | 599     | 599   | 2529 | 1863 | 2529 |
| 80° | 0       | 893   | 2777 | 1884 | 2777 |
| 85° | 0       | 1778  | 5533 | 1778 | 1778 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 128648 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.4    | 0.5       |
| 10°-20°   | 74.2   | 7.7       |
| 20°-30°   | 411.4  | 42.5      |
| 30°-40°   | 397.5  | 41.1      |
| 40°-50°   | 69.1   | 7.1       |
| 50°-60°   | 5.0    | 0.5       |
| 60°-70°   | 2.9    | 0.3       |
| 70°-80°   | 2.4    | 0.2       |
| 80°-90°   | 1.2    | 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°    | 490.0  | 50.6      |
| 0°-40°    | 887.4  | 91.7      |
| 0°-60°    | 961.5  | 99.3      |
| 0°-90°    | 968.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 968.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 32   | 32  | 32  | 32   | 32   |      |
| 5°  | 69   | 51  | 30  | 16   | 13   | 14   |
| 15° | 1118 | 216 | 16  | 3    | 2    | 498  |
| 25° | 7670 | 267 | 5   | 0    | 0    | 3429 |
| 35° | 6531 | 133 | 1   | 0    | 0    | 3756 |
| 45° | 528  | 17  | 1   | 0    | 2    | 567  |
| 55° | 9    | 0   | 2   | 3    | 5    | 18   |
| 65° | 1    | 1   | 4   | 5    | 6    | 1    |
| 75° | 1    | 1   | 4   | 3    | 4    | 1    |
| 85° | 0    | 1   | 3   | 1    | 1    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0  |
| 2.5°  | 47.1   | 45.2   | 46.1   | 46.1   | 46.1   | 46.1   | 46.1   | 44.3   | 44.3   | 45.2   | 40.5  |
| 5°    | 68.7   | 68.7   | 67.8   | 68.7   | 68.7   | 67.8   | 65.9   | 65.0   | 65.0   | 63.1   | 50.8  |
| 7.5°  | 137.5  | 135.6  | 135.6  | 133.7  | 124.3  | 121.5  | 119.6  | 114.9  | 106.4  | 104.5  | 65.9  |
| 10°   | 301.3  | 302.3  | 295.7  | 287.2  | 286.3  | 272.1  | 267.4  | 258.9  | 242.9  | 226.9  | 95.1  |
| 12.5° | 547.1  | 534.8  | 518.8  | 519.8  | 492.5  | 483.1  | 461.4  | 437.9  | 413.4  | 387.9  | 156.3 |
| 15°   | 1117.7 | 1082.9 | 1103.6 | 1052.7 | 995.3  | 930.3  | 864.4  | 781.5  | 710.9  | 635.6  | 215.6 |
| 17.5° | 2354.1 | 2387.9 | 2330.5 | 2113.0 | 1979.3 | 1822.0 | 1600.8 | 1387.0 | 1204.3 | 1057.4 | 263.7 |
| 20°   | 4181.7 | 4231.6 | 4036.7 | 3847.5 | 3522.6 | 3168.6 | 2799.4 | 2381.4 | 1981.2 | 1634.7 | 295.7 |
| 21°   | 4945.4 | 4915.3 | 4835.2 | 4532.0 | 4157.3 | 3746.7 | 3294.7 | 2833.3 | 2348.4 | 1898.3 | 298.5 |
| 22°   | 5683.6 | 5697.7 | 5511.3 | 5194.0 | 4804.1 | 4349.3 | 3797.6 | 3227.9 | 2705.3 | 2113.0 | 293.8 |
| 23°   | 6419.0 | 6464.2 | 6217.5 | 5920.0 | 5429.4 | 4916.2 | 4277.8 | 3662.9 | 3017.0 | 2358.8 | 284.4 |
| 24°   | 7099.8 | 7068.7 | 6902.1 | 6527.3 | 6002.8 | 5402.1 | 4739.2 | 3993.4 | 3273.1 | 2568.7 | 276.8 |
| 25°   | 7669.5 | 7665.7 | 7404.0 | 7039.6 | 6439.7 | 5774.0 | 5043.3 | 4263.7 | 3492.5 | 2710.9 | 267.4 |
| 26°   | 8135.6 | 8059.3 | 7853.1 | 7408.7 | 6816.4 | 6113.9 | 5292.8 | 4460.5 | 3615.8 | 2782.5 | 258.0 |
| 27°   | 8495.3 | 8440.7 | 8163.9 | 7701.5 | 7082.9 | 6306.0 | 5452.9 | 4558.4 | 3672.3 | 2806.0 | 245.8 |
| 28°   | 8737.3 | 8678.0 | 8383.2 | 7906.8 | 7229.8 | 6426.6 | 5537.7 | 4599.8 | 3672.3 | 2783.4 | 234.5 |
| 29°   | 8862.5 | 8781.6 | 8487.8 | 7977.4 | 7263.7 | 6440.7 | 5517.0 | 4559.3 | 3614.9 | 2713.8 | 221.3 |
| 30°   | 8853.1 | 8752.4 | 8444.5 | 7913.4 | 7162.9 | 6324.9 | 5401.1 | 4413.4 | 3484.9 | 2610.2 | 206.2 |
| 31°   | 8700.6 | 8587.6 | 8243.9 | 7696.8 | 6954.8 | 6106.4 | 5182.7 | 4217.5 | 3307.0 | 2475.5 | 191.1 |
| 32°   | 8390.8 | 8247.7 | 7912.4 | 7367.2 | 6634.7 | 5779.7 | 4865.4 | 3915.3 | 3040.5 | 2278.7 | 175.1 |
| 33°   | 7886.1 | 7742.0 | 7382.3 | 6871.0 | 6201.5 | 5365.4 | 4444.4 | 3590.4 | 2737.3 | 2044.3 | 162.0 |
| 34°   | 7254.2 | 7122.4 | 6812.6 | 6297.6 | 5655.4 | 4840.9 | 3960.5 | 3141.2 | 2422.8 | 1811.7 | 147.8 |
| 35°   | 6531.1 | 6321.1 | 6040.5 | 5632.8 | 5006.6 | 4187.4 | 3437.9 | 2723.2 | 2098.9 | 1567.8 | 132.8 |
| 36°   | 5552.7 | 5590.4 | 5292.8 | 4793.8 | 4275.0 | 3632.8 | 2913.4 | 2270.2 | 1755.2 | 1336.2 | 119.6 |
| 37°   | 4685.5 | 4626.2 | 4436.9 | 4050.9 | 3598.9 | 2961.4 | 2441.6 | 1924.7 | 1476.5 | 1129.9 | 105.5 |
| 38°   | 3779.7 | 3792.8 | 3607.3 | 3310.7 | 2862.5 | 2435.0 | 1965.2 | 1581.0 | 1235.4 | 961.4  | 92.3  |
| 39°   | 2958.6 | 2948.2 | 2898.3 | 2623.4 | 2217.5 | 1936.9 | 1592.3 | 1310.7 | 1029.2 | 810.7  | 78.2  |
| 40°   | 2228.8 | 2245.8 | 2129.0 | 1963.3 | 1726.9 | 1496.2 | 1268.4 | 1045.2 | 851.2  | 683.6  | 61.2  |
| 42.5° | 1083.8 | 1110.2 | 1033.0 | 990.6  | 886.1  | 795.7  | 671.4  | 548.0  | 466.1  | 403.0  | 27.3  |
| 45°   | 528.2  | 513.2  | 506.6  | 485.9  | 461.4  | 412.4  | 365.3  | 313.6  | 274.0  | 236.3  | 16.9  |
| 47.5° | 270.2  | 262.7  | 262.7  | 254.2  | 245.8  | 229.8  | 206.2  | 189.3  | 170.4  | 146.9  | 6.6   |
| 50°   | 81.0   | 80.0   | 79.1   | 80.0   | 77.2   | 80.0   | 81.9   | 82.9   | 75.3   | 74.4   | 1.9   |
| 52.5° | 32.0   | 33.0   | 32.0   | 34.8   | 34.8   | 33.9   | 34.8   | 33.9   | 33.0   | 29.2   | 0.0   |
| 55°   | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 10.4   | 11.3   | 10.4   | 11.3   | 0.0   |
| 57.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 0.0   |
| 60°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0    | 0.9   |
| 62.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 65°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 67.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 70°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 72.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 75°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 0.9    | 0.9   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.9 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.9 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.9 |
| 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 32.0  | 32.0 | 32.0   | 32.0 | 32.0   | 32.0 |
| 2.5°  | 37.7  | 33.0 | 27.3   | 22.6 | 20.7   | 19.8 |
| 5°    | 40.5  | 30.1 | 20.7   | 16.0 | 14.1   | 13.2 |
| 7.5°  | 43.3  | 27.3 | 16.0   | 11.3 | 8.5    | 7.5  |
| 10°   | 45.2  | 23.5 | 12.2   | 6.6  | 4.7    | 4.7  |
| 12.5° | 45.2  | 18.8 | 8.5    | 3.8  | 2.8    | 2.8  |
| 15°   | 44.3  | 16.0 | 5.6    | 2.8  | 1.9    | 1.9  |
| 17.5° | 43.3  | 12.2 | 3.8    | 1.9  | 0.9    | 1.9  |
| 20°   | 40.5  | 9.4  | 1.9    | 0.9  | 0.9    | 0.9  |
| 21°   | 39.5  | 8.5  | 1.9    | 0.9  | 0.9    | 0.9  |
| 22°   | 37.7  | 7.5  | 0.9    | 0.0  | 0.9    | 0.9  |
| 23°   | 35.8  | 5.6  | 0.9    | 0.0  | 0.0    | 0.0  |
| 24°   | 33.0  | 4.7  | 0.9    | 0.0  | 0.0    | 0.0  |
| 25°   | 31.1  | 4.7  | 0.9    | 0.0  | 0.0    | 0.0  |
| 26°   | 29.2  | 2.8  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 26.4  | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 24.5  | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 21.7  | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 18.8  | 1.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 15.1  | 0.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 12.2  | 0.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 8.5   | 0.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 5.6   | 0.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 4.7   | 0.9  | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 2.8   | 0.9  | 0.0    | 0.0  | 0.0    | 0.9  |
| 37°   | 2.8   | 0.9  | 0.0    | 0.0  | 0.0    | 0.9  |
| 38°   | 1.9   | 0.9  | 0.0    | 0.0  | 0.0    | 0.9  |
| 39°   | 0.9   | 0.9  | 0.0    | 0.0  | 0.0    | 0.9  |
| 40°   | 0.9   | 0.9  | 0.0    | 0.0  | 0.0    | 0.9  |
| 42.5° | 0.0   | 0.9  | 0.0    | 0.0  | 0.9    | 1.9  |
| 45°   | 0.0   | 0.9  | 0.0    | 0.0  | 0.9    | 1.9  |
| 47.5° | 0.0   | 0.9  | 0.0    | 0.0  | 1.9    | 1.9  |
| 50°   | 0.0   | 0.9  | 0.9    | 0.9  | 1.9    | 2.8  |
| 52.5° | 0.0   | 1.9  | 0.9    | 1.9  | 2.8    | 3.8  |
| 55°   | 0.9   | 1.9  | 1.9    | 2.8  | 3.8    | 4.7  |
| 57.5° | 0.9   | 2.8  | 2.8    | 3.8  | 4.7    | 4.7  |
| 60°   | 1.9   | 2.8  | 3.8    | 3.8  | 5.6    | 5.6  |
| 62.5° | 1.9   | 3.8  | 3.8    | 3.8  | 5.6    | 5.6  |
| 65°   | 1.9   | 3.8  | 3.8    | 4.7  | 5.6    | 5.6  |
| 67.5° | 1.9   | 3.8  | 3.8    | 3.8  | 4.7    | 5.6  |
| 70°   | 1.9   | 3.8  | 2.8    | 3.8  | 4.7    | 4.7  |
| 72.5° | 1.9   | 3.8  | 2.8    | 2.8  | 3.8    | 4.7  |
| 75°   | 1.9   | 3.8  | 2.8    | 2.8  | 3.8    | 3.8  |
| 77.5° | 1.9   | 2.8  | 2.8    | 1.9  | 2.8    | 2.8  |
| 80°   | 1.9   | 2.8  | 1.9    | 1.9  | 2.8    | 2.8  |



TEST NUMBER: P1316539

CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 1.9   | 2.8 | 1.9    | 0.9  | 1.9    | 1.9  |
| 85°   | 1.9   | 2.8 | 1.9    | 0.9  | 0.9    | 0.9  |
| 87.5° | 1.9   | 2.8 | 0.9    | 0.0  | 0.0    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)