

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: P1313641

Luminaire Tested: LDSQA3D13R209727DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

**Test Information**

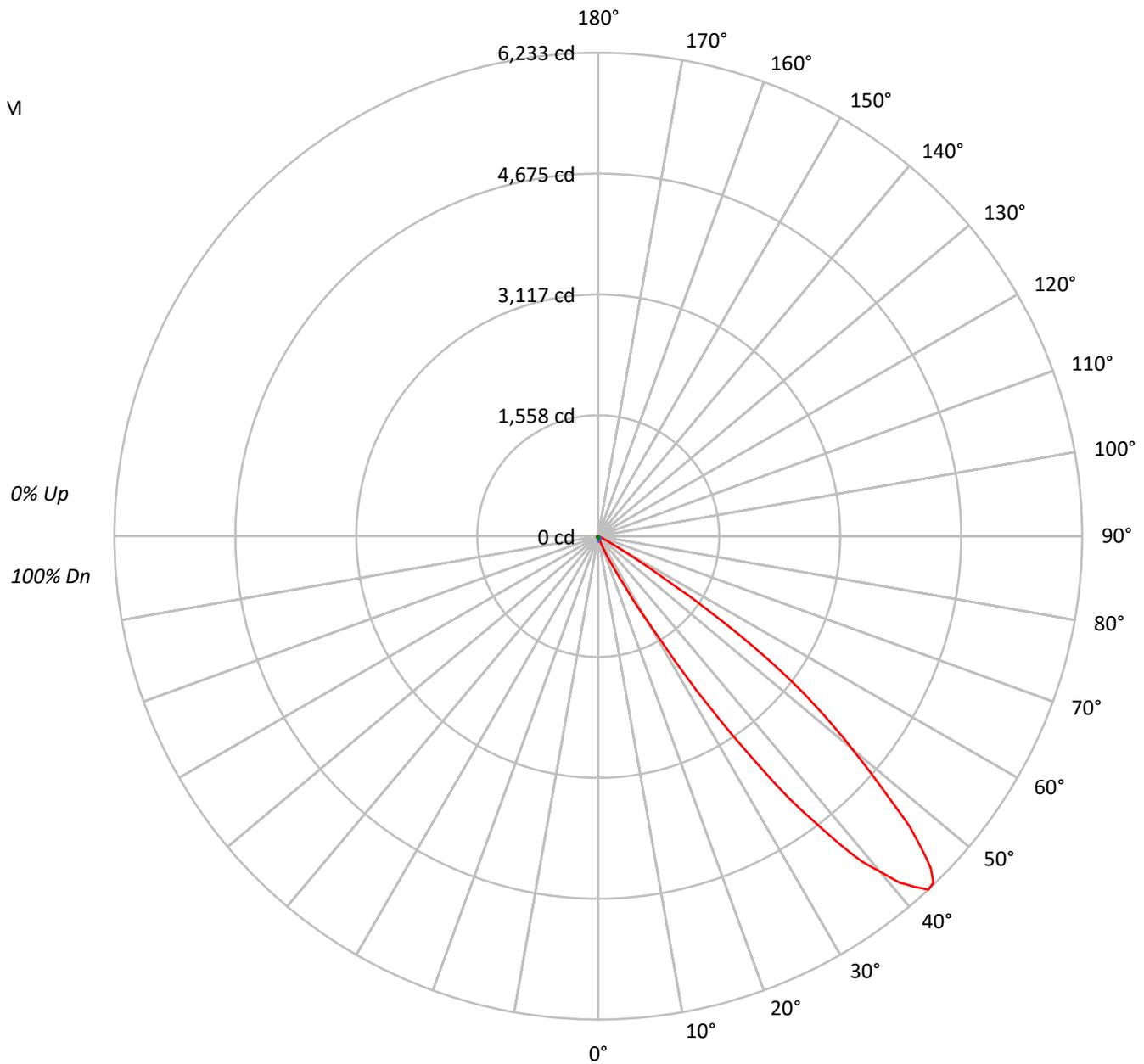
Test Method: LM-79-2019  
Report Number: P1313641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209727DE010 3LSQCA45R 1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQCA45R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 866.0 lumens  
Efficiency: N/A  
Efficacy: 59.3 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
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 (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



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



TEST NUMBER: P1313641

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 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 | 102 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 89  | 89  | 89  | 87  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 75  | 75  | 75  | 73  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 63  | 63  | 63  | 61  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 53  | 53  | 53  | 51  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 45  | 45  | 45  | 42  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 37  | 35  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 31  | 31  | 31  | 29  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 27  | 27  | 27  | 25  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 23  | 23  | 23  | 21  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 19  | 19  | 19  | 17  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 10368   | 10368 | 10368 | 10368 | 10368 |
| 5°  | 12102   | 11255 | 9716  | 8437  | 8160  |
| 10° | 11962   | 10248 | 7677  | 6540  | 6401  |
| 15° | 10448   | 7827  | 5652  | 5224  | 5509  |
| 20° | 15505   | 6561  | 4179  | 4472  | 4930  |
| 25° | 66813   | 6803  | 3249  | 4029  | 4789  |
| 30° | 252639  | 8253  | 2744  | 3878  | 4693  |
| 35° | 765860  | 9924  | 2565  | 3932  | 4962  |
| 40° | 1269967 | 9870  | 2203  | 4204  | 5306  |
| 45° | 1476117 | 6747  | 1973  | 4360  | 5748  |
| 50° | 1145860 | 3697  | 1956  | 4582  | 6538  |
| 55° | 663217  | 2432  | 1952  | 5134  | 7086  |
| 60° | 112117  | 551   | 1688  | 5339  | 7853  |
| 65° | 8639    | 0     | 1997  | 5950  | 8965  |
| 70° | 1209    | 0     | 2467  | 6546  | 10222 |
| 75° | 1065    | 532   | 2728  | 7586  | 11911 |
| 80° | 793     | 793   | 4066  | 8034  | 13687 |
| 85° | 1581    | 1581  | 6521  | 8102  | 14425 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1476117 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.2    | 0.6       |
| 10°-20°   | 10.8   | 1.3       |
| 20°-30°   | 34.6   | 4.0       |
| 30°-40°   | 220.8  | 25.5      |
| 40°-50°   | 404.2  | 46.7      |
| 50°-60°   | 166.1  | 19.2      |
| 60°-70°   | 14.0   | 1.6       |
| 70°-80°   | 7.0    | 0.8       |
| 80°-90°   | 3.3    | 0.4       |
| 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°    | 50.6   | 5.8       |
| 0°-40°    | 271.4  | 31.3      |
| 0°-60°    | 841.7  | 97.2      |
| 0°-90°    | 866.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 866.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 60   | 60  | 60  | 60   | 60   |      |
| 5°  | 70   | 65  | 56  | 49   | 47   | 7    |
| 15° | 59   | 44  | 32  | 29   | 31   | 19   |
| 25° | 352  | 36  | 17  | 21   | 25   | 231  |
| 35° | 3643 | 47  | 12  | 19   | 24   | 2306 |
| 45° | 6061 | 28  | 8   | 18   | 24   | 4352 |
| 55° | 2209 | 8   | 6   | 17   | 24   | 1931 |
| 65° | 21   | 0   | 5   | 15   | 22   | 69   |
| 75° | 2    | 1   | 4   | 11   | 18   | 2    |
| 85° | 1    | 1   | 3   | 4    | 7    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P1313641  
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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 60.2   | 60.2   | 60.2   | 60.2   | 60.2   | 60.2   | 60.2   | 60.2   | 60.2   | 60.2  | 60.2 |
| 2.5°  | 65.9   | 65.9   | 65.9   | 65.1   | 65.1   | 65.9   | 65.1   | 65.1   | 65.1   | 65.1  | 64.3 |
| 5°    | 70.0   | 70.0   | 70.0   | 70.0   | 70.0   | 70.0   | 70.0   | 69.2   | 69.2   | 68.4  | 65.1 |
| 7.5°  | 71.6   | 71.6   | 71.6   | 71.6   | 70.8   | 70.8   | 70.8   | 70.8   | 70.0   | 69.2  | 63.5 |
| 10°   | 68.4   | 68.4   | 68.4   | 67.5   | 67.5   | 67.5   | 66.7   | 66.7   | 65.9   | 65.1  | 58.6 |
| 12.5° | 61.9   | 61.9   | 61.9   | 61.9   | 61.0   | 61.0   | 60.2   | 60.2   | 59.4   | 58.6  | 51.3 |
| 15°   | 58.6   | 58.6   | 58.6   | 57.8   | 57.8   | 57.0   | 56.2   | 55.3   | 54.5   | 52.9  | 43.9 |
| 17.5° | 63.5   | 63.5   | 62.7   | 62.7   | 61.0   | 59.4   | 58.6   | 56.2   | 54.5   | 52.1  | 39.1 |
| 20°   | 84.6   | 85.5   | 82.2   | 79.8   | 78.1   | 73.2   | 70.8   | 66.7   | 63.5   | 59.4  | 35.8 |
| 22.5° | 170.9  | 167.7  | 162.0  | 153.0  | 142.4  | 133.5  | 117.2  | 104.2  | 95.2   | 83.0  | 35.0 |
| 25°   | 351.6  | 348.3  | 332.9  | 319.8  | 287.3  | 262.1  | 227.1  | 198.6  | 169.3  | 140.8 | 35.8 |
| 27.5° | 668.2  | 646.2  | 642.1  | 582.7  | 537.1  | 472.0  | 404.5  | 347.5  | 295.4  | 237.6 | 38.3 |
| 30°   | 1270.4 | 1245.2 | 1156.5 | 1066.9 | 944.1  | 804.9  | 672.2  | 548.5  | 445.2  | 351.6 | 41.5 |
| 31°   | 1612.2 | 1636.6 | 1532.5 | 1352.6 | 1171.1 | 992.9  | 811.4  | 654.3  | 520.9  | 404.5 | 43.1 |
| 32°   | 2119.2 | 2012.6 | 1902.8 | 1718.0 | 1454.3 | 1226.5 | 998.6  | 772.3  | 596.5  | 461.4 | 44.8 |
| 33°   | 2598.6 | 2535.9 | 2368.3 | 2137.9 | 1821.4 | 1501.5 | 1206.1 | 911.5  | 689.3  | 530.6 | 45.6 |
| 34°   | 3109.7 | 3040.5 | 2904.6 | 2574.2 | 2226.7 | 1807.5 | 1413.6 | 1071.8 | 800.0  | 598.2 | 46.4 |
| 35°   | 3642.7 | 3613.4 | 3351.4 | 3064.9 | 2637.6 | 2132.3 | 1663.5 | 1247.6 | 908.2  | 660.0 | 47.2 |
| 36°   | 4179.1 | 4084.6 | 3879.6 | 3461.2 | 3015.3 | 2432.6 | 1925.5 | 1411.2 | 1018.1 | 733.3 | 47.2 |
| 37°   | 4582.7 | 4561.6 | 4289.7 | 3882.0 | 3357.9 | 2753.2 | 2151.8 | 1592.7 | 1128.8 | 795.9 | 47.2 |
| 38°   | 5027.9 | 4944.1 | 4668.2 | 4253.1 | 3680.2 | 3047.0 | 2388.6 | 1750.6 | 1233.8 | 852.9 | 46.4 |
| 39°   | 5403.1 | 5278.5 | 5000.2 | 4590.0 | 3961.8 | 3270.0 | 2576.6 | 1903.6 | 1326.6 | 900.1 | 45.6 |
| 40°   | 5648.8 | 5562.6 | 5272.0 | 4810.6 | 4217.3 | 3480.8 | 2767.0 | 2029.7 | 1395.7 | 935.9 | 43.9 |
| 41°   | 5919.8 | 5776.6 | 5489.3 | 5025.4 | 4402.9 | 3666.3 | 2886.7 | 2112.7 | 1449.4 | 959.5 | 42.3 |
| 42°   | 6081.8 | 5964.6 | 5623.6 | 5169.5 | 4535.5 | 3772.1 | 2984.3 | 2176.2 | 1482.0 | 971.7 | 39.1 |
| 43°   | 6233.2 | 6073.7 | 5741.6 | 5253.3 | 4623.4 | 3847.0 | 3029.1 | 2205.5 | 1489.3 | 971.7 | 35.0 |
| 44°   | 6212.8 | 6061.5 | 5717.2 | 5264.7 | 4642.9 | 3869.0 | 3047.8 | 2206.3 | 1477.9 | 959.5 | 30.9 |
| 45°   | 6060.6 | 5910.1 | 5600.0 | 5165.4 | 4572.9 | 3825.8 | 3010.4 | 2173.8 | 1446.2 | 938.4 | 27.7 |
| 46°   | 5781.5 | 5631.8 | 5394.1 | 4999.4 | 4442.7 | 3728.2 | 2923.3 | 2103.0 | 1393.3 | 904.2 | 24.4 |
| 47°   | 5477.9 | 5332.3 | 5088.9 | 4731.6 | 4220.6 | 3554.0 | 2797.2 | 2003.7 | 1319.2 | 854.5 | 22.0 |
| 48°   | 5037.6 | 4946.5 | 4702.3 | 4397.2 | 3912.1 | 3281.4 | 2575.8 | 1841.7 | 1219.9 | 790.2 | 18.7 |
| 49°   | 4648.6 | 4552.6 | 4338.6 | 4010.6 | 3510.1 | 2964.0 | 2311.3 | 1644.8 | 1090.5 | 718.6 | 16.3 |
| 50°   | 4276.7 | 4192.9 | 3995.1 | 3624.8 | 3147.1 | 2580.7 | 1954.0 | 1396.5 | 927.8  | 629.9 | 13.8 |
| 51°   | 3912.9 | 3850.3 | 3648.4 | 3308.2 | 2823.2 | 2286.1 | 1692.8 | 1163.0 | 766.6  | 522.5 | 13.0 |
| 52°   | 3547.5 | 3540.2 | 3321.3 | 2977.0 | 2508.2 | 1992.3 | 1438.9 | 981.5  | 650.3  | 438.7 | 12.2 |
| 53°   | 3154.4 | 3107.2 | 2916.0 | 2606.7 | 2156.7 | 1686.3 | 1219.9 | 827.7  | 559.9  | 373.6 | 10.6 |
| 54°   | 2706.8 | 2653.9 | 2448.8 | 2169.7 | 1762.0 | 1381.1 | 983.1  | 669.0  | 466.3  | 315.8 | 9.8  |
| 55°   | 2208.8 | 2118.4 | 1969.5 | 1683.0 | 1376.2 | 1053.9 | 759.3  | 529.8  | 372.7  | 262.9 | 8.1  |
| 56°   | 1675.7 | 1585.4 | 1501.5 | 1290.7 | 1010.0 | 786.2  | 565.6  | 406.1  | 291.4  | 207.5 | 7.3  |
| 57°   | 1165.4 | 1160.5 | 1023.0 | 861.0  | 675.5  | 535.5  | 387.4  | 286.5  | 205.9  | 161.1 | 5.7  |
| 58°   | 756.1  | 730.8  | 642.9  | 549.3  | 441.9  | 334.5  | 249.0  | 194.5  | 140.0  | 109.9 | 4.9  |
| 59°   | 529.8  | 479.3  | 432.1  | 366.2  | 278.3  | 210.8  | 160.3  | 124.5  | 96.8   | 76.5  | 3.3  |
| 60°   | 325.5  | 315.0  | 283.2  | 223.0  | 180.7  | 148.9  | 119.6  | 92.0   | 70.8   | 54.5  | 1.6  |
| 62.5° | 92.8   | 94.4   | 85.5   | 75.7   | 65.1   | 56.2   | 50.5   | 43.1   | 35.8   | 28.5  | 0.0  |
| 65°   | 21.2   | 20.3   | 22.0   | 20.3   | 18.7   | 18.7   | 16.3   | 14.6   | 13.0   | 12.2  | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 6.5 | 6.5  | 5.7 | 5.7  | 5.7 | 4.9   | 4.9 | 4.1   | 4.1 | 3.3   | 0.0 |
| 70°   | 2.4 | 2.4  | 2.4 | 2.4  | 2.4 | 1.6   | 1.6 | 1.6   | 0.8 | 0.8   | 0.0 |
| 72.5° | 2.4 | 2.4  | 2.4 | 1.6  | 1.6 | 1.6   | 1.6 | 1.6   | 0.8 | 0.8   | 0.8 |
| 75°   | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 1.6 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 0.8   | 1.6 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.0 | 0.0   | 0.8 | 0.8   | 0.8 | 0.0   | 0.8 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 60.2  | 60.2 | 60.2   | 60.2 | 60.2   | 60.2 |
| 2.5°  | 62.7  | 59.4 | 57.0   | 54.5 | 53.7   | 53.7 |
| 5°    | 61.0  | 56.2 | 51.3   | 48.8 | 47.2   | 47.2 |
| 7.5°  | 56.2  | 50.5 | 45.6   | 43.1 | 42.3   | 42.3 |
| 10°   | 50.5  | 43.9 | 39.1   | 37.4 | 37.4   | 36.6 |
| 12.5° | 43.9  | 37.4 | 34.2   | 33.4 | 33.4   | 33.4 |
| 15°   | 36.6  | 31.7 | 29.3   | 29.3 | 30.1   | 30.9 |
| 17.5° | 30.9  | 26.0 | 25.2   | 26.9 | 28.5   | 28.5 |
| 20°   | 26.0  | 22.8 | 22.8   | 24.4 | 26.0   | 26.9 |
| 22.5° | 22.0  | 19.5 | 20.3   | 22.8 | 25.2   | 26.0 |
| 25°   | 19.5  | 17.1 | 18.7   | 21.2 | 23.6   | 25.2 |
| 27.5° | 16.3  | 15.5 | 17.1   | 20.3 | 23.6   | 24.4 |
| 30°   | 13.8  | 13.8 | 16.3   | 19.5 | 22.8   | 23.6 |
| 31°   | 13.0  | 13.0 | 16.3   | 19.5 | 22.8   | 23.6 |
| 32°   | 12.2  | 13.0 | 15.5   | 19.5 | 22.8   | 23.6 |
| 33°   | 11.4  | 12.2 | 15.5   | 18.7 | 22.8   | 23.6 |
| 34°   | 10.6  | 12.2 | 15.5   | 18.7 | 22.8   | 23.6 |
| 35°   | 9.8   | 12.2 | 15.5   | 18.7 | 22.8   | 23.6 |
| 36°   | 9.0   | 11.4 | 14.6   | 18.7 | 22.8   | 23.6 |
| 37°   | 8.1   | 11.4 | 14.6   | 18.7 | 22.8   | 23.6 |
| 38°   | 7.3   | 10.6 | 14.6   | 18.7 | 22.8   | 23.6 |
| 39°   | 7.3   | 10.6 | 13.8   | 18.7 | 22.0   | 23.6 |
| 40°   | 6.5   | 9.8  | 13.8   | 18.7 | 22.0   | 23.6 |
| 41°   | 5.7   | 9.8  | 13.8   | 17.9 | 22.0   | 23.6 |
| 42°   | 4.9   | 9.0  | 13.0   | 17.9 | 22.0   | 23.6 |
| 43°   | 4.1   | 9.0  | 13.0   | 17.9 | 22.0   | 23.6 |
| 44°   | 4.1   | 8.1  | 13.0   | 17.9 | 22.0   | 23.6 |
| 45°   | 3.3   | 8.1  | 13.0   | 17.9 | 22.0   | 23.6 |
| 46°   | 2.4   | 8.1  | 13.0   | 17.9 | 22.0   | 23.6 |
| 47°   | 2.4   | 7.3  | 12.2   | 17.9 | 22.0   | 23.6 |
| 48°   | 1.6   | 7.3  | 12.2   | 17.9 | 22.0   | 23.6 |
| 49°   | 1.6   | 7.3  | 12.2   | 17.9 | 22.0   | 24.4 |
| 50°   | 1.6   | 7.3  | 12.2   | 17.1 | 22.0   | 24.4 |
| 51°   | 0.8   | 7.3  | 12.2   | 17.1 | 22.0   | 24.4 |
| 52°   | 0.8   | 7.3  | 11.4   | 17.1 | 22.8   | 24.4 |
| 53°   | 0.8   | 6.5  | 11.4   | 17.1 | 22.8   | 24.4 |
| 54°   | 0.8   | 6.5  | 11.4   | 17.1 | 22.8   | 23.6 |
| 55°   | 0.8   | 6.5  | 11.4   | 17.1 | 22.0   | 23.6 |
| 56°   | 0.8   | 5.7  | 11.4   | 17.1 | 22.0   | 23.6 |
| 57°   | 0.8   | 5.7  | 10.6   | 16.3 | 22.0   | 22.8 |
| 58°   | 0.8   | 5.7  | 10.6   | 16.3 | 22.0   | 22.8 |
| 59°   | 0.8   | 5.7  | 10.6   | 16.3 | 21.2   | 22.8 |
| 60°   | 1.6   | 4.9  | 9.8    | 15.5 | 21.2   | 22.8 |
| 62.5° | 1.6   | 4.9  | 9.8    | 15.5 | 20.3   | 22.0 |
| 65°   | 1.6   | 4.9  | 9.0    | 14.6 | 20.3   | 22.0 |



TEST NUMBER: P1313641  
CATALOG NUMBER: LDSQA3D13R209727DE010 3LSQCA45R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.6   | 4.1 | 8.1    | 13.8 | 19.5   | 21.2 |
| 70°   | 1.6   | 4.9 | 8.1    | 13.0 | 18.7   | 20.3 |
| 72.5° | 2.4   | 4.1 | 7.3    | 12.2 | 17.9   | 19.5 |
| 75°   | 2.4   | 4.1 | 7.3    | 11.4 | 17.1   | 17.9 |
| 77.5° | 3.3   | 4.1 | 6.5    | 9.8  | 15.5   | 16.3 |
| 80°   | 3.3   | 4.1 | 5.7    | 8.1  | 13.0   | 13.8 |
| 82.5° | 3.3   | 4.1 | 4.1    | 6.5  | 9.8    | 10.6 |
| 85°   | 2.4   | 3.3 | 3.3    | 4.1  | 6.5    | 7.3  |
| 87.5° | 2.4   | 3.3 | 2.4    | 1.6  | 3.3    | 3.3  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)