

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: P1310002

Luminaire Tested: LDSQA3D05R209035DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310002  
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: LDSQA3D05R209035DE010 3LSQCA45R 1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

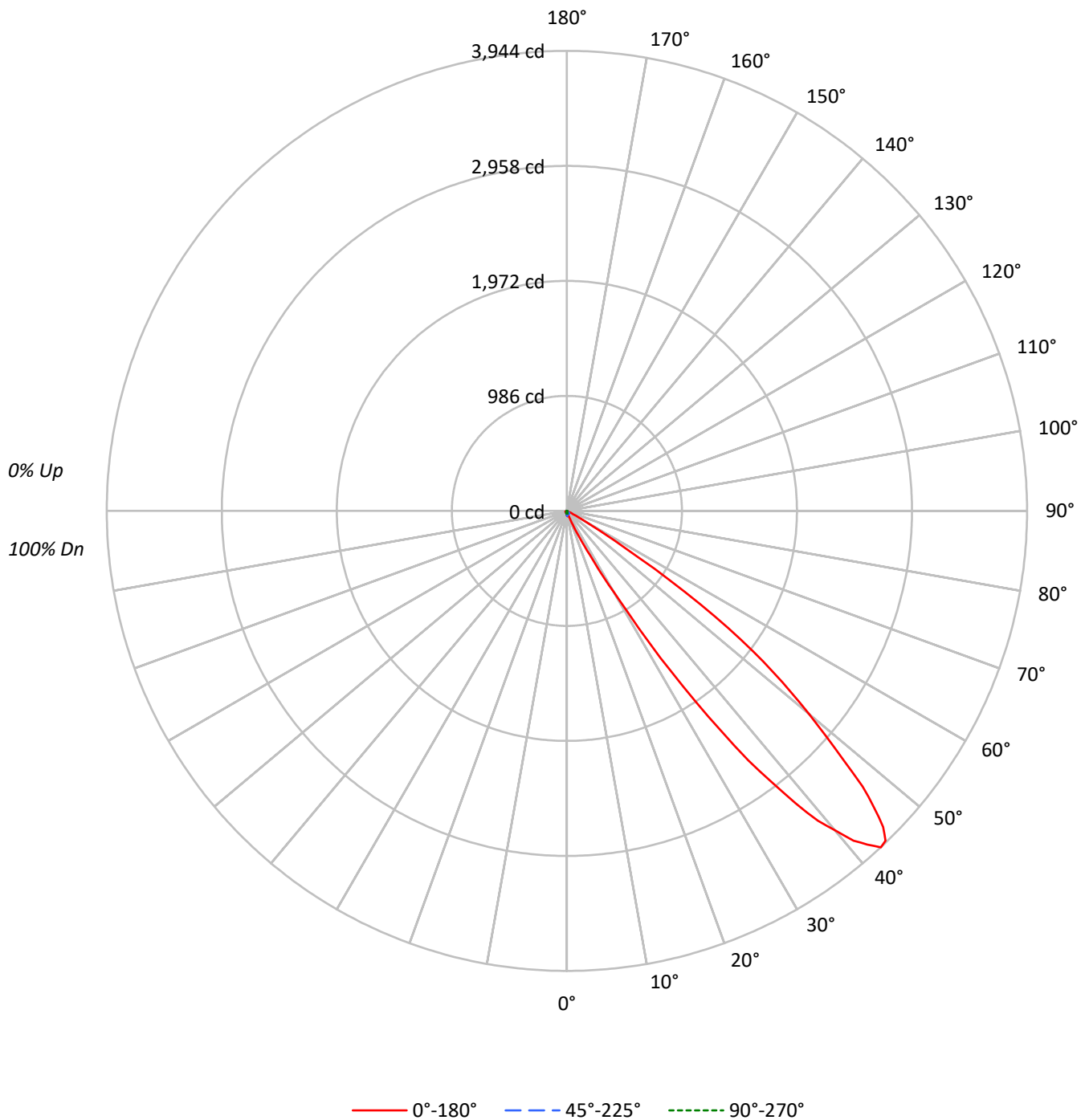
Lumens per Lamp: N/A  
Luminaire Lumens: 548.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 6562   | 6562 | 6562 | 6562 | 6562 |
| 5°  | 7659   | 7123 | 6137 | 5342 | 5169 |
| 10° | 7572   | 6488 | 4862 | 4145 | 4057 |
| 15° | 6615   | 4957 | 3584 | 3299 | 3495 |
| 20° | 9824   | 4160 | 2639 | 2822 | 3116 |
| 25° | 42281  | 4314 | 2052 | 2546 | 3040 |
| 30° | 159868 | 5230 | 1750 | 2466 | 2963 |
| 35° | 484636 | 6286 | 1619 | 2481 | 3133 |
| 40° | 803644 | 6250 | 1394 | 2653 | 3350 |
| 45° | 934075 | 4262 | 1242 | 2752 | 3629 |
| 50° | 725101 | 2358 | 1232 | 2894 | 4126 |
| 55° | 419675 | 1531 | 1231 | 3243 | 4474 |
| 60° | 70956  | 344  | 1068 | 3376 | 4960 |
| 65° | 5461   | 0    | 1263 | 3790 | 5664 |
| 70° | 755    | 0    | 1561 | 4129 | 6496 |
| 75° | 665    | 333  | 1730 | 4791 | 7519 |
| 80° | 496    | 496  | 2579 | 5058 | 8728 |
| 85° | 988    | 988  | 4150 | 5138 | 9090 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 934075 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.3    | 0.6       |
| 10°-20°   | 6.9    | 1.3       |
| 20°-30°   | 21.9   | 4.0       |
| 30°-40°   | 139.7  | 25.5      |
| 40°-50°   | 255.8  | 46.7      |
| 50°-60°   | 105.1  | 19.2      |
| 60°-70°   | 8.9    | 1.6       |
| 70°-80°   | 4.4    | 0.8       |
| 80°-90°   | 2.1    | 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°    | 32.0   | 5.8       |
| 0°-40°    | 171.8  | 31.3      |
| 0°-60°    | 532.6  | 97.2      |
| 0°-90°    | 548.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 548.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 38   | 38  | 38  | 38   | 38   |      |
| 5°  | 44   | 41  | 36  | 31   | 30   | 4    |
| 15° | 37   | 28  | 20  | 18   | 20   | 12   |
| 25° | 222  | 23  | 11  | 13   | 16   | 146  |
| 35° | 2305 | 30  | 8   | 12   | 15   | 1459 |
| 45° | 3835 | 18  | 5   | 11   | 15   | 2754 |
| 55° | 1398 | 5   | 4   | 11   | 15   | 1222 |
| 65° | 13   | 0   | 3   | 9    | 14   | 44   |
| 75° | 1    | 0   | 3   | 7    | 11   | 1    |
| 85° | 0    | 0   | 2   | 3    | 5    | 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°    | 38.1   | 38.1   | 38.1   | 38.1   | 38.1   | 38.1   | 38.1   | 38.1   | 38.1  | 38.1  | 38.1 |
| 2.5°  | 41.7   | 41.7   | 41.7   | 41.2   | 41.2   | 41.7   | 41.2   | 41.2   | 41.2  | 41.2  | 40.7 |
| 5°    | 44.3   | 44.3   | 44.3   | 44.3   | 44.3   | 44.3   | 44.3   | 43.8   | 43.8  | 43.3  | 41.2 |
| 7.5°  | 45.3   | 45.3   | 45.3   | 45.3   | 44.8   | 44.8   | 44.8   | 44.8   | 44.3  | 43.8  | 40.2 |
| 10°   | 43.3   | 43.3   | 43.3   | 42.7   | 42.7   | 42.7   | 42.2   | 42.2   | 41.7  | 41.2  | 37.1 |
| 12.5° | 39.1   | 39.1   | 39.1   | 39.1   | 38.6   | 38.6   | 38.1   | 38.1   | 37.6  | 37.1  | 32.4 |
| 15°   | 37.1   | 37.1   | 37.1   | 36.6   | 36.6   | 36.0   | 35.5   | 35.0   | 34.5  | 33.5  | 27.8 |
| 17.5° | 40.2   | 40.2   | 39.7   | 39.7   | 38.6   | 37.6   | 37.1   | 35.5   | 34.5  | 33.0  | 24.7 |
| 20°   | 53.6   | 54.1   | 52.0   | 50.5   | 49.4   | 46.3   | 44.8   | 42.2   | 40.2  | 37.6  | 22.7 |
| 22.5° | 108.1  | 106.1  | 102.5  | 96.8   | 90.1   | 84.5   | 74.2   | 65.9   | 60.3  | 52.5  | 22.1 |
| 25°   | 222.5  | 220.4  | 210.6  | 202.4  | 181.8  | 165.8  | 143.7  | 125.7  | 107.1 | 89.1  | 22.7 |
| 27.5° | 422.8  | 408.9  | 406.3  | 368.7  | 339.9  | 298.7  | 256.0  | 219.9  | 186.9 | 150.4 | 24.2 |
| 30°   | 803.9  | 787.9  | 731.8  | 675.2  | 597.4  | 509.3  | 425.4  | 347.1  | 281.7 | 222.5 | 26.3 |
| 31°   | 1020.2 | 1035.6 | 969.7  | 855.9  | 741.1  | 628.3  | 513.4  | 414.1  | 329.6 | 256.0 | 27.3 |
| 32°   | 1341.0 | 1273.6 | 1204.0 | 1087.1 | 920.3  | 776.1  | 631.9  | 488.7  | 377.5 | 292.0 | 28.3 |
| 33°   | 1644.4 | 1604.7 | 1498.6 | 1352.9 | 1152.6 | 950.2  | 763.2  | 576.8  | 436.2 | 335.8 | 28.8 |
| 34°   | 1967.8 | 1924.0 | 1838.0 | 1628.9 | 1409.0 | 1143.8 | 894.5  | 678.2  | 506.2 | 378.5 | 29.4 |
| 35°   | 2305.1 | 2286.6 | 2120.7 | 1939.5 | 1669.1 | 1349.3 | 1052.6 | 789.5  | 574.7 | 417.7 | 29.9 |
| 36°   | 2644.5 | 2584.7 | 2455.0 | 2190.3 | 1908.0 | 1539.3 | 1218.5 | 893.0  | 644.3 | 464.0 | 29.9 |
| 37°   | 2899.9 | 2886.5 | 2714.5 | 2456.5 | 2124.9 | 1742.2 | 1361.6 | 1007.8 | 714.3 | 503.7 | 29.9 |
| 38°   | 3181.6 | 3128.6 | 2954.0 | 2691.3 | 2328.8 | 1928.1 | 1511.5 | 1107.7 | 780.7 | 539.7 | 29.4 |
| 39°   | 3419.0 | 3340.2 | 3164.1 | 2904.6 | 2507.0 | 2069.2 | 1630.5 | 1204.6 | 839.4 | 569.6 | 28.8 |
| 40°   | 3574.6 | 3520.0 | 3336.1 | 3044.1 | 2668.7 | 2202.6 | 1751.0 | 1284.4 | 883.2 | 592.2 | 27.8 |
| 41°   | 3746.0 | 3655.4 | 3473.6 | 3180.1 | 2786.1 | 2320.0 | 1826.7 | 1336.9 | 917.2 | 607.2 | 26.8 |
| 42°   | 3848.5 | 3774.4 | 3558.6 | 3271.2 | 2870.0 | 2387.0 | 1888.5 | 1377.1 | 937.8 | 614.9 | 24.7 |
| 43°   | 3944.3 | 3843.4 | 3633.3 | 3324.3 | 2925.7 | 2434.4 | 1916.8 | 1395.6 | 942.4 | 614.9 | 22.1 |
| 44°   | 3931.4 | 3835.7 | 3617.8 | 3331.5 | 2938.0 | 2448.3 | 1928.6 | 1396.1 | 935.2 | 607.2 | 19.6 |
| 45°   | 3835.1 | 3739.9 | 3543.7 | 3268.7 | 2893.7 | 2421.0 | 1905.0 | 1375.5 | 915.1 | 593.8 | 17.5 |
| 46°   | 3658.5 | 3563.7 | 3413.4 | 3163.6 | 2811.3 | 2359.2 | 1849.8 | 1330.7 | 881.7 | 572.2 | 15.4 |
| 47°   | 3466.4 | 3374.2 | 3220.2 | 2994.2 | 2670.7 | 2249.0 | 1770.0 | 1267.9 | 834.8 | 540.7 | 13.9 |
| 48°   | 3187.8 | 3130.1 | 2975.6 | 2782.5 | 2475.6 | 2076.4 | 1629.9 | 1165.4 | 772.0 | 500.1 | 11.8 |
| 49°   | 2941.6 | 2880.9 | 2745.4 | 2537.9 | 2221.2 | 1875.6 | 1462.6 | 1040.8 | 690.1 | 454.7 | 10.3 |
| 50°   | 2706.3 | 2653.2 | 2528.1 | 2293.8 | 1991.5 | 1633.0 | 1236.5 | 883.7  | 587.1 | 398.6 | 8.8  |
| 51°   | 2476.1 | 2436.4 | 2308.7 | 2093.4 | 1786.5 | 1446.6 | 1071.2 | 735.9  | 485.1 | 330.6 | 8.2  |
| 52°   | 2244.8 | 2240.2 | 2101.7 | 1883.8 | 1587.2 | 1260.7 | 910.5  | 621.1  | 411.5 | 277.6 | 7.7  |
| 53°   | 1996.1 | 1966.2 | 1845.2 | 1649.5 | 1364.7 | 1067.1 | 772.0  | 523.7  | 354.3 | 236.4 | 6.7  |
| 54°   | 1712.9 | 1679.4 | 1549.6 | 1373.0 | 1115.0 | 873.9  | 622.1  | 423.3  | 295.1 | 199.8 | 6.2  |
| 55°   | 1397.7 | 1340.5 | 1246.3 | 1065.0 | 870.9  | 666.9  | 480.5  | 335.3  | 235.9 | 166.3 | 5.1  |
| 56°   | 1060.4 | 1003.2 | 950.2  | 816.8  | 639.1  | 497.5  | 357.9  | 257.0  | 184.4 | 131.3 | 4.6  |
| 57°   | 737.5  | 734.4  | 647.3  | 544.9  | 427.4  | 338.9  | 245.1  | 181.3  | 130.3 | 102.0 | 3.6  |
| 58°   | 478.4  | 462.5  | 406.8  | 347.6  | 279.6  | 211.7  | 157.6  | 123.1  | 88.6  | 69.5  | 3.1  |
| 59°   | 335.3  | 303.3  | 273.5  | 231.7  | 176.1  | 133.4  | 101.5  | 78.8   | 61.3  | 48.4  | 2.1  |
| 60°   | 206.0  | 199.3  | 179.2  | 141.1  | 114.3  | 94.2   | 75.7   | 58.2   | 44.8  | 34.5  | 1.0  |
| 62.5° | 58.7   | 59.7   | 54.1   | 47.9   | 41.2   | 35.5   | 31.9   | 27.3   | 22.7  | 18.0  | 0.0  |
| 65°   | 13.4   | 12.9   | 13.9   | 12.9   | 11.8   | 11.8   | 10.3   | 9.3    | 8.2   | 7.7   | 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° | 4.1 | 4.1  | 3.6 | 3.6  | 3.6 | 3.1   | 3.1 | 2.6   | 2.6 | 2.1   | 0.0 |
| 70°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.0   | 1.0 | 1.0   | 0.5 | 0.5   | 0.0 |
| 72.5° | 1.5 | 1.5  | 1.5 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 0.5 | 0.5   | 0.5 |
| 75°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 0.5   | 0.5 | 0.5   | 0.5 |
| 77.5° | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 0.5   | 1.0 | 0.5   | 0.5 | 0.5   | 0.5 |
| 80°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.0 | 0.0   | 0.5 | 0.5   | 0.5 | 0.0   | 0.5 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 38.1  | 38.1 | 38.1   | 38.1 | 38.1   | 38.1 |
| 2.5°  | 39.7  | 37.6 | 36.0   | 34.5 | 34.0   | 34.0 |
| 5°    | 38.6  | 35.5 | 32.4   | 30.9 | 29.9   | 29.9 |
| 7.5°  | 35.5  | 31.9 | 28.8   | 27.3 | 26.8   | 26.8 |
| 10°   | 31.9  | 27.8 | 24.7   | 23.7 | 23.7   | 23.2 |
| 12.5° | 27.8  | 23.7 | 21.6   | 21.1 | 21.1   | 21.1 |
| 15°   | 23.2  | 20.1 | 18.5   | 18.5 | 19.1   | 19.6 |
| 17.5° | 19.6  | 16.5 | 16.0   | 17.0 | 18.0   | 18.0 |
| 20°   | 16.5  | 14.4 | 14.4   | 15.4 | 16.5   | 17.0 |
| 22.5° | 13.9  | 12.4 | 12.9   | 14.4 | 16.0   | 16.5 |
| 25°   | 12.4  | 10.8 | 11.8   | 13.4 | 14.9   | 16.0 |
| 27.5° | 10.3  | 9.8  | 10.8   | 12.9 | 14.9   | 15.4 |
| 30°   | 8.8   | 8.8  | 10.3   | 12.4 | 14.4   | 14.9 |
| 31°   | 8.2   | 8.2  | 10.3   | 12.4 | 14.4   | 14.9 |
| 32°   | 7.7   | 8.2  | 9.8    | 12.4 | 14.4   | 14.9 |
| 33°   | 7.2   | 7.7  | 9.8    | 11.8 | 14.4   | 14.9 |
| 34°   | 6.7   | 7.7  | 9.8    | 11.8 | 14.4   | 14.9 |
| 35°   | 6.2   | 7.7  | 9.8    | 11.8 | 14.4   | 14.9 |
| 36°   | 5.7   | 7.2  | 9.3    | 11.8 | 14.4   | 14.9 |
| 37°   | 5.1   | 7.2  | 9.3    | 11.8 | 14.4   | 14.9 |
| 38°   | 4.6   | 6.7  | 9.3    | 11.8 | 14.4   | 14.9 |
| 39°   | 4.6   | 6.7  | 8.8    | 11.8 | 13.9   | 14.9 |
| 40°   | 4.1   | 6.2  | 8.8    | 11.8 | 13.9   | 14.9 |
| 41°   | 3.6   | 6.2  | 8.8    | 11.3 | 13.9   | 14.9 |
| 42°   | 3.1   | 5.7  | 8.2    | 11.3 | 13.9   | 14.9 |
| 43°   | 2.6   | 5.7  | 8.2    | 11.3 | 13.9   | 14.9 |
| 44°   | 2.6   | 5.1  | 8.2    | 11.3 | 13.9   | 14.9 |
| 45°   | 2.1   | 5.1  | 8.2    | 11.3 | 13.9   | 14.9 |
| 46°   | 1.5   | 5.1  | 8.2    | 11.3 | 13.9   | 14.9 |
| 47°   | 1.5   | 4.6  | 7.7    | 11.3 | 13.9   | 14.9 |
| 48°   | 1.0   | 4.6  | 7.7    | 11.3 | 13.9   | 14.9 |
| 49°   | 1.0   | 4.6  | 7.7    | 11.3 | 13.9   | 15.4 |
| 50°   | 1.0   | 4.6  | 7.7    | 10.8 | 13.9   | 15.4 |
| 51°   | 0.5   | 4.6  | 7.7    | 10.8 | 13.9   | 15.4 |
| 52°   | 0.5   | 4.6  | 7.2    | 10.8 | 14.4   | 15.4 |
| 53°   | 0.5   | 4.1  | 7.2    | 10.8 | 14.4   | 15.4 |
| 54°   | 0.5   | 4.1  | 7.2    | 10.8 | 14.4   | 14.9 |
| 55°   | 0.5   | 4.1  | 7.2    | 10.8 | 13.9   | 14.9 |
| 56°   | 0.5   | 3.6  | 7.2    | 10.8 | 13.9   | 14.9 |
| 57°   | 0.5   | 3.6  | 6.7    | 10.3 | 13.9   | 14.4 |
| 58°   | 0.5   | 3.6  | 6.7    | 10.3 | 13.9   | 14.4 |
| 59°   | 0.5   | 3.6  | 6.7    | 10.3 | 13.4   | 14.4 |
| 60°   | 1.0   | 3.1  | 6.2    | 9.8  | 13.4   | 14.4 |
| 62.5° | 1.0   | 3.1  | 6.2    | 9.8  | 12.9   | 13.9 |
| 65°   | 1.0   | 3.1  | 5.7    | 9.3  | 12.9   | 13.9 |



TEST NUMBER: P1310002

CATALOG NUMBER: LDSQA3D05R209035DE010 3LSQCA45R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0   | 2.6 | 5.1    | 8.8  | 12.4   | 13.4 |
| 70°   | 1.0   | 3.1 | 5.1    | 8.2  | 11.8   | 12.9 |
| 72.5° | 1.5   | 2.6 | 4.6    | 7.7  | 11.3   | 12.4 |
| 75°   | 1.5   | 2.6 | 4.6    | 7.2  | 10.8   | 11.3 |
| 77.5° | 2.1   | 2.6 | 4.1    | 6.2  | 9.8    | 10.3 |
| 80°   | 2.1   | 2.6 | 3.6    | 5.1  | 8.2    | 8.8  |
| 82.5° | 2.1   | 2.6 | 2.6    | 4.1  | 6.2    | 6.7  |
| 85°   | 1.5   | 2.1 | 2.1    | 2.6  | 4.1    | 4.6  |
| 87.5° | 1.5   | 2.1 | 1.5    | 1.0  | 2.1    | 2.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)