

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: P1315244

Luminaire Tested: LDSQA3D05R159735DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

**Test Information**

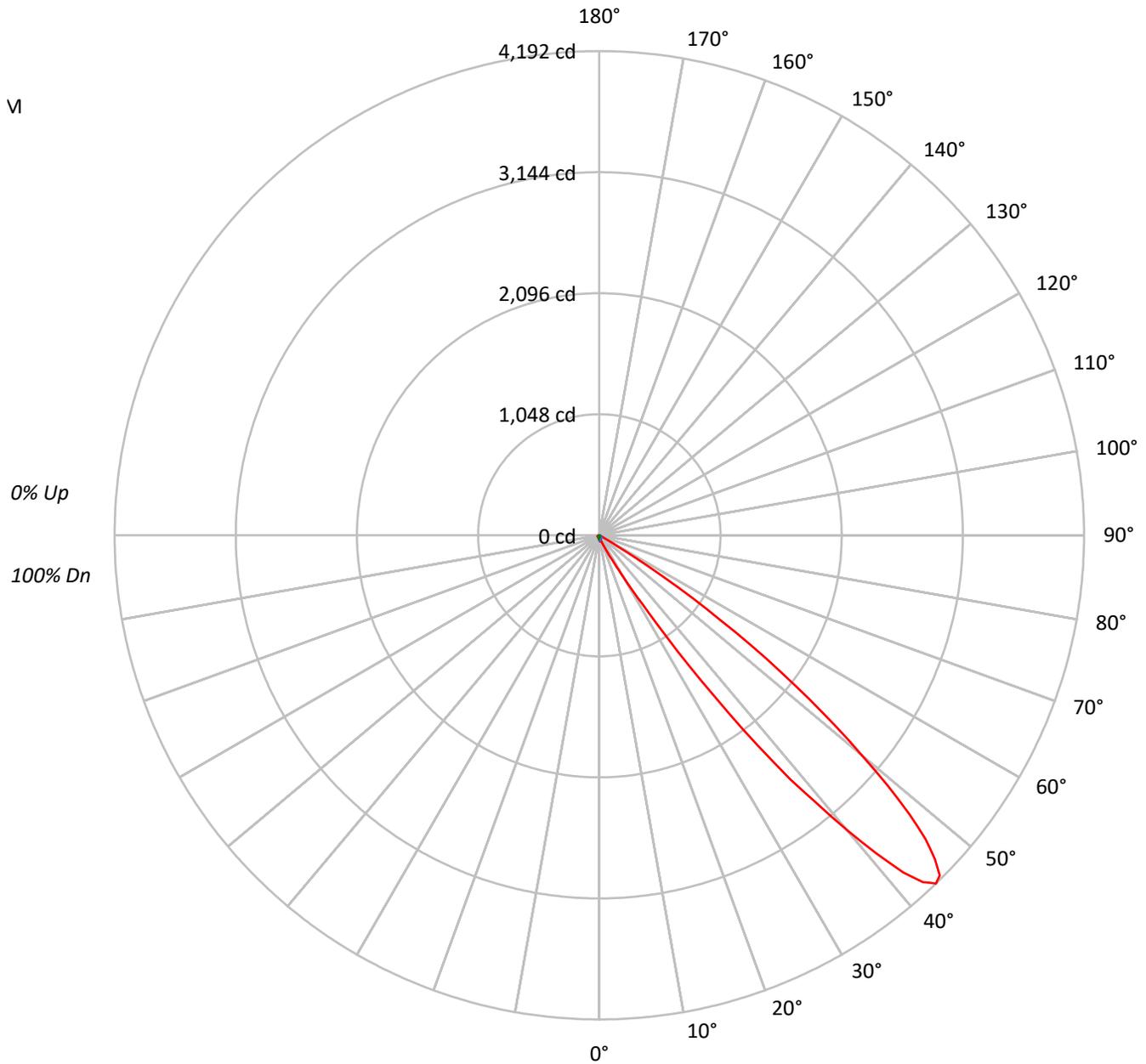
Test Method: LM-79-2019  
Report Number: P1315244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159735DE010 3LSQCA45R 1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCA45R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 468.0 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
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

TEST NUMBER: P1315244  
CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQCA45R 1MMS

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1315244

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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 |    |    |    |   |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |    |   |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |    |   |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |    |    |    |   |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  |    |    |    |   |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  |    |    |    |   |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |    |   |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  |    |    |    |   |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  |    |    |    |   |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |    |    |    |   |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  |    |    |    |   |

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

|     | 0°      | 45°  | 90°  | 135° | 180° |
|-----|---------|------|------|------|------|
| 0°  | 7147    | 7147 | 7147 | 7147 | 7147 |
| 5°  | 8869    | 7901 | 6448 | 5653 | 5567 |
| 10° | 8726    | 6768 | 4984 | 4407 | 4494 |
| 15° | 7239    | 4832 | 3584 | 3655 | 3905 |
| 20° | 12573   | 3849 | 2731 | 3171 | 3592 |
| 25° | 28029   | 4618 | 2223 | 2926 | 3363 |
| 30° | 83802   | 5668 | 1949 | 2884 | 3520 |
| 35° | 322579  | 6370 | 1766 | 2943 | 3721 |
| 40° | 748743  | 5553 | 1686 | 3035 | 3979 |
| 45° | 1014133 | 4214 | 1486 | 3288 | 4311 |
| 50° | 795165  | 2492 | 1500 | 3510 | 4742 |
| 55° | 381662  | 1111 | 1411 | 3783 | 5195 |
| 60° | 34892   | 172  | 1274 | 4030 | 5787 |
| 65° | 3790    | 0    | 1141 | 4197 | 6276 |
| 70° | 957     | 0    | 1410 | 4482 | 6798 |
| 75° | 932     | 333  | 1863 | 4991 | 7785 |
| 80° | 893     | 893  | 2281 | 5058 | 8331 |
| 85° | 988     | 988  | 3754 | 4545 | 9287 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1014133 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.5    | 0.8       |
| 10°-20°   | 7.4    | 1.6       |
| 20°-30°   | 17.7   | 3.8       |
| 30°-40°   | 96.8   | 20.7      |
| 40°-50°   | 234.4  | 50.1      |
| 50°-60°   | 93.5   | 20.0      |
| 60°-70°   | 8.1    | 1.7       |
| 70°-80°   | 4.6    | 1.0       |
| 80°-90°   | 2.0    | 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°    | 28.6   | 6.1       |
| 0°-40°    | 125.4  | 26.8      |
| 0°-60°    | 453.3  | 96.9      |
| 0°-90°    | 468.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 468.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 42   | 42  | 42  | 42   | 42   |      |
| 5°  | 51   | 46  | 37  | 33   | 32   | 5    |
| 15° | 41   | 27  | 20  | 20   | 22   | 14   |
| 25° | 148  | 24  | 12  | 15   | 18   | 89   |
| 35° | 1534 | 30  | 8   | 14   | 18   | 1084 |
| 45° | 4164 | 17  | 6   | 14   | 18   | 2937 |
| 55° | 1271 | 4   | 5   | 13   | 17   | 1184 |
| 65° | 9    | 0   | 3   | 10   | 15   | 24   |
| 75° | 1    | 0   | 3   | 8    | 12   | 1    |
| 85° | 0    | 0   | 2   | 2    | 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°    | 41.5   | 41.5   | 41.5   | 41.5   | 41.5   | 41.5   | 41.5   | 41.5  | 41.5  | 41.5  | 41.5 |
| 2.5°  | 46.7   | 46.7   | 47.1   | 46.7   | 46.7   | 46.7   | 46.7   | 46.2  | 46.2  | 46.2  | 44.8 |
| 5°    | 51.3   | 51.3   | 51.3   | 51.3   | 50.9   | 50.9   | 50.9   | 50.4  | 50.4  | 49.9  | 45.7 |
| 7.5°  | 53.2   | 53.2   | 52.7   | 52.7   | 52.3   | 52.3   | 51.8   | 51.3  | 50.9  | 50.4  | 43.9 |
| 10°   | 49.9   | 49.9   | 49.9   | 49.5   | 49.5   | 49.0   | 48.5   | 48.1  | 47.6  | 46.7  | 38.7 |
| 12.5° | 44.3   | 44.3   | 44.8   | 44.3   | 43.9   | 43.4   | 42.5   | 42.0  | 41.5  | 40.6  | 32.2 |
| 15°   | 40.6   | 40.6   | 40.6   | 40.1   | 39.7   | 38.7   | 38.3   | 37.3  | 36.9  | 35.5  | 27.1 |
| 17.5° | 51.8   | 51.8   | 51.3   | 50.4   | 48.5   | 47.1   | 44.8   | 42.9  | 40.6  | 37.8  | 23.3 |
| 20°   | 68.6   | 68.6   | 67.7   | 66.7   | 64.4   | 62.1   | 58.3   | 55.1  | 51.3  | 48.1  | 21.0 |
| 22.5° | 99.4   | 100.8  | 98.0   | 94.7   | 91.5   | 85.9   | 80.7   | 75.6  | 69.1  | 63.5  | 21.5 |
| 25°   | 147.5  | 148.9  | 147.5  | 140.0  | 133.9  | 126.5  | 116.7  | 106.4 | 95.2  | 84.9  | 24.3 |
| 27.5° | 238.9  | 239.9  | 237.5  | 219.3  | 209.5  | 189.9  | 172.7  | 155.9 | 137.2 | 118.5 | 26.6 |
| 30°   | 421.4  | 421.8  | 406.9  | 370.5  | 338.3  | 295.4  | 259.0  | 224.0 | 194.6 | 164.7 | 28.5 |
| 31°   | 554.8  | 541.8  | 510.0  | 466.2  | 414.8  | 357.0  | 307.0  | 261.8 | 217.9 | 185.7 | 28.9 |
| 32°   | 704.6  | 702.8  | 650.0  | 574.0  | 505.4  | 433.0  | 357.9  | 300.0 | 249.7 | 205.8 | 29.4 |
| 33°   | 902.9  | 903.9  | 820.8  | 731.2  | 618.8  | 521.7  | 423.2  | 343.9 | 283.3 | 229.6 | 30.3 |
| 34°   | 1212.8 | 1140.0 | 1042.5 | 921.1  | 768.1  | 622.0  | 494.2  | 394.8 | 313.6 | 252.5 | 30.3 |
| 35°   | 1534.3 | 1461.0 | 1353.7 | 1169.9 | 959.9  | 755.5  | 578.6  | 449.4 | 350.0 | 277.2 | 30.3 |
| 36°   | 1894.6 | 1832.5 | 1670.1 | 1435.4 | 1167.5 | 881.5  | 668.2  | 512.4 | 385.9 | 299.6 | 29.9 |
| 37°   | 2283.7 | 2192.7 | 2012.6 | 1756.4 | 1398.1 | 1058.8 | 777.4  | 574.9 | 421.8 | 323.8 | 28.9 |
| 38°   | 2679.0 | 2596.9 | 2369.6 | 2059.3 | 1673.4 | 1245.9 | 886.6  | 635.1 | 455.0 | 342.0 | 27.5 |
| 39°   | 2978.6 | 2933.8 | 2708.4 | 2361.7 | 1893.2 | 1423.3 | 999.1  | 699.5 | 490.0 | 360.2 | 26.1 |
| 40°   | 3330.4 | 3258.1 | 3044.4 | 2615.5 | 2153.1 | 1603.8 | 1109.2 | 756.4 | 518.9 | 374.7 | 24.7 |
| 41°   | 3651.5 | 3560.0 | 3290.3 | 2875.9 | 2361.2 | 1766.2 | 1213.7 | 815.2 | 542.2 | 383.1 | 23.8 |
| 42°   | 3926.8 | 3820.4 | 3538.5 | 3099.0 | 2535.3 | 1896.0 | 1297.3 | 857.2 | 564.2 | 390.1 | 22.4 |
| 43°   | 4105.0 | 4013.1 | 3735.9 | 3266.5 | 2684.1 | 2015.0 | 1375.2 | 901.1 | 577.7 | 394.8 | 20.5 |
| 44°   | 4191.8 | 4099.0 | 3830.6 | 3371.5 | 2775.6 | 2086.3 | 1425.6 | 931.4 | 592.6 | 400.8 | 19.1 |
| 45°   | 4163.8 | 4069.6 | 3810.1 | 3373.3 | 2804.0 | 2112.0 | 1447.1 | 944.9 | 600.6 | 406.4 | 17.3 |
| 46°   | 4035.5 | 3969.2 | 3707.9 | 3285.6 | 2749.9 | 2084.5 | 1434.9 | 934.7 | 597.8 | 406.4 | 15.4 |
| 47°   | 3855.4 | 3779.8 | 3531.1 | 3134.9 | 2618.8 | 2013.6 | 1385.9 | 903.4 | 580.5 | 397.1 | 13.5 |
| 48°   | 3609.9 | 3545.5 | 3284.2 | 2895.5 | 2417.7 | 1859.1 | 1275.3 | 852.6 | 553.4 | 378.9 | 11.7 |
| 49°   | 3301.9 | 3212.3 | 2969.2 | 2589.4 | 2155.4 | 1639.8 | 1130.2 | 766.7 | 510.0 | 353.2 | 10.3 |
| 50°   | 2967.8 | 2857.2 | 2669.6 | 2282.8 | 1884.3 | 1406.0 | 939.3  | 648.2 | 448.9 | 319.6 | 9.3  |
| 51°   | 2640.7 | 2528.3 | 2349.5 | 2020.6 | 1595.0 | 1166.6 | 757.8  | 517.5 | 369.6 | 273.5 | 7.9  |
| 52°   | 2301.5 | 2207.2 | 2007.0 | 1748.5 | 1365.4 | 945.4  | 631.4  | 437.7 | 307.0 | 229.6 | 6.5  |
| 53°   | 1963.6 | 1899.2 | 1708.8 | 1447.1 | 1097.1 | 772.3  | 515.6  | 374.7 | 267.9 | 196.5 | 5.1  |
| 54°   | 1625.3 | 1554.8 | 1410.2 | 1176.9 | 884.3  | 609.4  | 437.2  | 313.6 | 232.4 | 171.3 | 4.7  |
| 55°   | 1271.1 | 1234.7 | 1101.3 | 897.3  | 670.1  | 486.2  | 354.6  | 269.7 | 194.6 | 143.3 | 3.7  |
| 56°   | 979.0  | 937.9  | 816.2  | 651.0  | 497.9  | 380.8  | 287.0  | 220.3 | 164.7 | 119.9 | 2.8  |
| 57°   | 641.2  | 599.2  | 518.4  | 454.5  | 362.6  | 277.7  | 219.3  | 173.6 | 133.9 | 99.4  | 2.3  |
| 58°   | 378.9  | 340.6  | 328.0  | 280.0  | 241.7  | 188.5  | 161.9  | 129.3 | 98.9  | 78.4  | 1.4  |
| 59°   | 174.1  | 176.9  | 157.3  | 147.5  | 133.9  | 119.9  | 98.5   | 86.3  | 67.7  | 56.5  | 0.9  |
| 60°   | 101.3  | 95.7   | 93.3   | 83.5   | 74.2   | 65.8   | 59.3   | 52.3  | 42.5  | 36.4  | 0.5  |
| 62.5° | 34.5   | 33.1   | 34.1   | 30.8   | 28.9   | 28.0   | 25.7   | 21.9  | 18.2  | 14.9  | 0.0  |
| 65°   | 9.3    | 9.3    | 8.9    | 8.4    | 7.9    | 7.5    | 7.0    | 6.1   | 5.6   | 4.7   | 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° | 3.3 | 3.3  | 2.8 | 2.8  | 2.3 | 2.3   | 1.9 | 1.9   | 1.4 | 1.4   | 0.0 |
| 70°   | 1.9 | 1.9  | 1.9 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.5   | 0.0 |
| 72.5° | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 |
| 75°   | 1.4 | 1.4  | 1.4 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.5 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.5   | 0.9 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.9 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 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°    | 41.5  | 41.5 | 41.5   | 41.5 | 41.5   | 41.5 |
| 2.5°  | 42.9  | 41.1 | 38.7   | 37.3 | 36.9   | 36.4 |
| 5°    | 41.1  | 37.3 | 34.5   | 32.7 | 32.2   | 32.2 |
| 7.5°  | 36.9  | 32.7 | 29.9   | 28.9 | 28.5   | 28.5 |
| 10°   | 32.2  | 28.5 | 26.1   | 25.2 | 25.7   | 25.7 |
| 12.5° | 27.1  | 23.8 | 22.9   | 22.9 | 23.3   | 23.8 |
| 15°   | 21.9  | 20.1 | 20.1   | 20.5 | 21.5   | 21.9 |
| 17.5° | 18.2  | 17.3 | 17.7   | 18.7 | 19.6   | 20.5 |
| 20°   | 14.9  | 14.9 | 15.9   | 17.3 | 18.7   | 19.6 |
| 22.5° | 12.6  | 13.1 | 14.5   | 15.9 | 17.7   | 18.7 |
| 25°   | 10.7  | 11.7 | 13.1   | 15.4 | 17.3   | 17.7 |
| 27.5° | 9.3   | 10.7 | 12.6   | 14.9 | 16.8   | 17.7 |
| 30°   | 7.9   | 9.8  | 12.1   | 14.5 | 16.8   | 17.7 |
| 31°   | 7.5   | 9.3  | 11.7   | 14.5 | 16.8   | 17.7 |
| 32°   | 7.0   | 9.3  | 11.7   | 14.5 | 16.8   | 17.7 |
| 33°   | 6.5   | 8.9  | 11.7   | 14.0 | 16.8   | 17.7 |
| 34°   | 6.1   | 8.9  | 11.7   | 14.5 | 16.8   | 17.7 |
| 35°   | 5.6   | 8.4  | 11.2   | 14.0 | 16.3   | 17.7 |
| 36°   | 5.1   | 8.4  | 11.2   | 14.0 | 16.8   | 17.7 |
| 37°   | 4.7   | 8.4  | 11.2   | 14.0 | 16.3   | 17.7 |
| 38°   | 4.7   | 7.9  | 10.7   | 14.0 | 16.3   | 17.7 |
| 39°   | 4.2   | 7.5  | 10.7   | 14.0 | 16.3   | 17.7 |
| 40°   | 3.7   | 7.5  | 10.3   | 13.5 | 16.3   | 17.7 |
| 41°   | 3.3   | 7.0  | 10.3   | 13.5 | 16.3   | 17.7 |
| 42°   | 2.8   | 7.0  | 10.3   | 13.5 | 16.3   | 17.7 |
| 43°   | 2.3   | 6.5  | 9.8    | 13.5 | 16.3   | 17.7 |
| 44°   | 2.3   | 6.5  | 9.8    | 13.5 | 16.3   | 17.7 |
| 45°   | 1.9   | 6.1  | 9.3    | 13.5 | 16.3   | 17.7 |
| 46°   | 1.9   | 6.1  | 9.3    | 13.1 | 16.3   | 17.7 |
| 47°   | 1.4   | 6.1  | 9.3    | 13.1 | 16.3   | 17.7 |
| 48°   | 1.4   | 5.6  | 9.3    | 13.1 | 16.3   | 17.7 |
| 49°   | 0.9   | 5.6  | 9.3    | 13.1 | 16.3   | 17.7 |
| 50°   | 0.9   | 5.6  | 8.9    | 13.1 | 16.3   | 17.7 |
| 51°   | 0.9   | 5.6  | 8.9    | 13.1 | 16.3   | 17.7 |
| 52°   | 0.9   | 5.1  | 8.9    | 13.1 | 16.3   | 17.7 |
| 53°   | 0.9   | 5.1  | 8.9    | 13.1 | 16.3   | 17.7 |
| 54°   | 0.9   | 5.1  | 8.4    | 13.1 | 16.3   | 17.7 |
| 55°   | 0.9   | 4.7  | 8.4    | 12.6 | 16.3   | 17.3 |
| 56°   | 0.9   | 4.7  | 8.4    | 12.6 | 16.3   | 17.3 |
| 57°   | 0.9   | 4.7  | 7.9    | 12.6 | 16.3   | 17.3 |
| 58°   | 0.9   | 4.2  | 7.9    | 12.1 | 15.9   | 17.3 |
| 59°   | 0.9   | 4.2  | 7.5    | 12.1 | 15.9   | 16.8 |
| 60°   | 0.9   | 3.7  | 7.5    | 11.7 | 15.4   | 16.8 |
| 62.5° | 0.9   | 3.3  | 6.5    | 11.2 | 14.9   | 15.9 |
| 65°   | 0.9   | 2.8  | 6.1    | 10.3 | 14.5   | 15.4 |



TEST NUMBER: P1315244  
CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQCA45R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.8 | 5.6    | 9.8  | 13.5   | 14.9 |
| 70°   | 0.9   | 2.8 | 5.1    | 8.9  | 13.1   | 13.5 |
| 72.5° | 1.4   | 2.8 | 4.7    | 8.4  | 12.1   | 12.6 |
| 75°   | 1.9   | 2.8 | 4.2    | 7.5  | 11.2   | 11.7 |
| 77.5° | 1.9   | 2.8 | 3.7    | 6.5  | 9.8    | 10.3 |
| 80°   | 1.9   | 2.3 | 3.3    | 5.1  | 7.9    | 8.4  |
| 82.5° | 1.9   | 2.3 | 2.3    | 4.2  | 6.1    | 6.5  |
| 85°   | 1.4   | 1.9 | 1.9    | 2.3  | 4.2    | 4.7  |
| 87.5° | 1.4   | 1.9 | 0.9    | 1.4  | 1.9    | 1.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)