

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: P1317168

Luminaire Tested: LDSQA3D05R259827DE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259827DE010 3LSQCA45R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQCA45R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

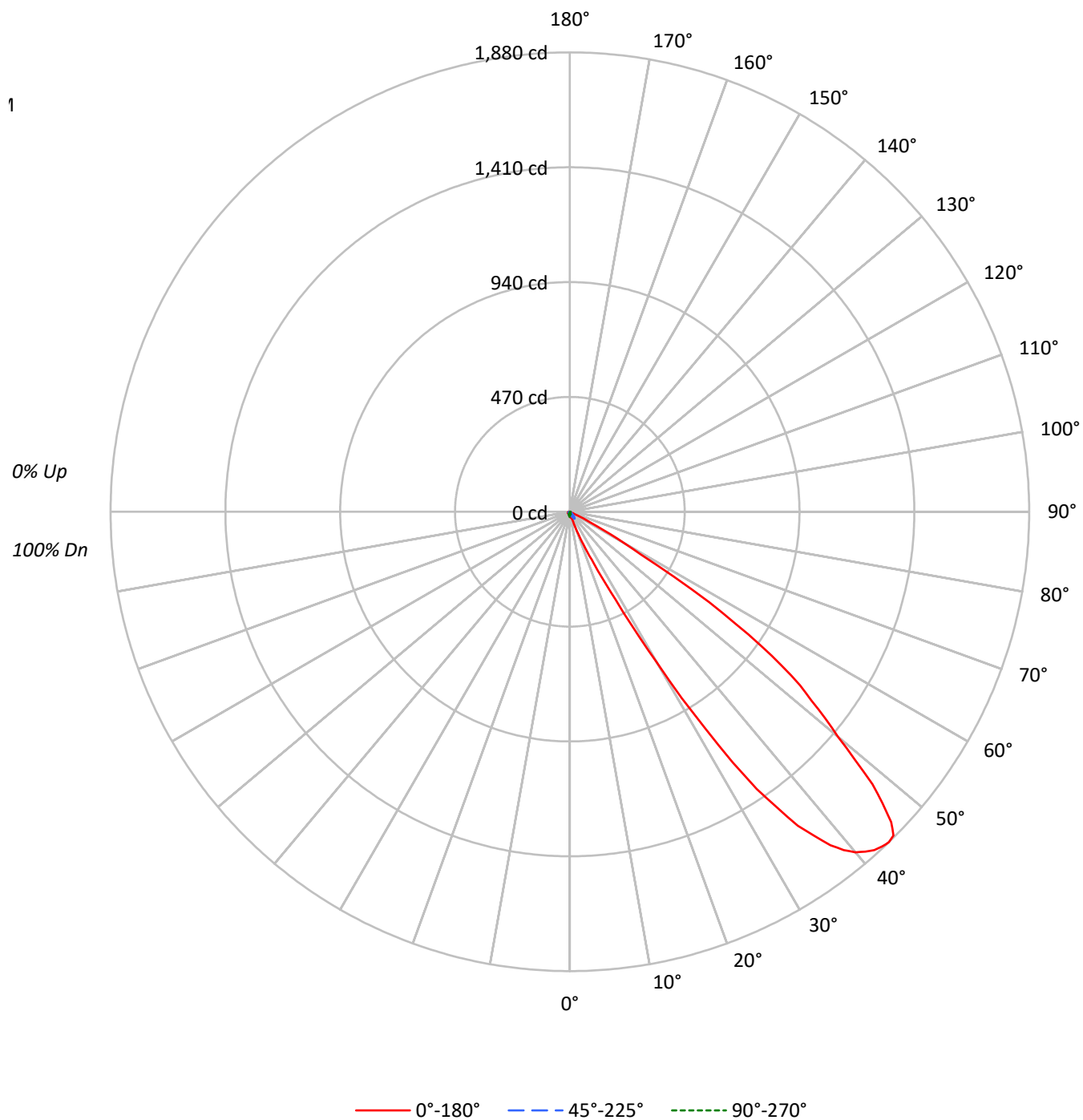
Lumens per Lamp: N/A  
Luminaire Lumens: 392.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P1317168

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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 |
| 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  | 64  | 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  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  |    |    |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 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  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 3444   | 3444 | 3444 | 3444 | 3444 |
| 5°  | 3942   | 3752 | 3337 | 2974 | 2922 |
| 10° | 3917   | 3568 | 2833 | 2466 | 2466 |
| 15° | 4368   | 3067 | 2211 | 2086 | 2211 |
| 20° | 15432  | 3042 | 1704 | 1778 | 1961 |
| 25° | 44371  | 3877 | 1368 | 1634 | 1900 |
| 30° | 141592 | 5966 | 1094 | 1571 | 1929 |
| 35° | 310111 | 7043 | 946  | 1514 | 1955 |
| 40° | 409084 | 6362 | 764  | 1551 | 2091 |
| 45° | 456211 | 4457 | 755  | 1681 | 2265 |
| 50° | 384025 | 2304 | 750  | 1768 | 2492 |
| 55° | 287110 | 931  | 721  | 1982 | 2792 |
| 60° | 88867  | 241  | 723  | 2136 | 3100 |
| 65° | 7580   | 0    | 856  | 2241 | 3382 |
| 70° | 504    | 151  | 856  | 2618 | 3827 |
| 75° | 466    | 200  | 1131 | 2728 | 4392 |
| 80° | 298    | 298  | 1686 | 3075 | 5157 |
| 85° | 593    | 593  | 2766 | 3359 | 5533 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 456211 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.8    | 0.5       |
| 10°-20°   | 4.6    | 1.2       |
| 20°-30°   | 21.7   | 5.5       |
| 30°-40°   | 104.4  | 26.6      |
| 40°-50°   | 163.7  | 41.8      |
| 50°-60°   | 83.9   | 21.4      |
| 60°-70°   | 7.9    | 2.0       |
| 70°-80°   | 2.6    | 0.7       |
| 80°-90°   | 1.3    | 0.3       |
| 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°    | 28.1   | 7.2       |
| 0°-40°    | 132.5  | 33.8      |
| 0°-60°    | 380.1  | 97.0      |
| 0°-90°    | 392.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 392.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 20   | 20  | 20  | 20   | 20   |      |
| 5°  | 23   | 22  | 19  | 17   | 17   | 2    |
| 15° | 24   | 17  | 12  | 12   | 12   | 10   |
| 25° | 234  | 20  | 7   | 9    | 10   | 145  |
| 35° | 1475 | 34  | 4   | 7    | 9    | 895  |
| 45° | 1873 | 18  | 3   | 7    | 9    | 1371 |
| 55° | 956  | 3   | 2   | 7    | 9    | 796  |
| 65° | 19   | 0   | 2   | 6    | 8    | 58   |
| 75° | 1    | 0   | 2   | 4    | 7    | 1    |
| 85° | 0    | 0   | 1   | 2    | 3    | 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°    | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0  | 20.0  | 20.0 |
| 2.5°  | 21.7   | 21.7   | 21.7   | 21.7   | 21.7   | 21.7   | 21.4   | 21.4   | 21.7  | 21.4  | 21.4 |
| 5°    | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.4   | 22.4  | 22.4  | 21.7 |
| 7.5°  | 23.1   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.4  | 22.4  | 21.4 |
| 10°   | 22.4   | 22.4   | 22.4   | 22.4   | 22.1   | 22.1   | 22.1   | 21.7   | 21.7  | 21.7  | 20.4 |
| 12.5° | 22.4   | 22.4   | 22.4   | 22.4   | 22.1   | 22.1   | 21.7   | 21.7   | 21.4  | 21.0  | 18.6 |
| 15°   | 24.5   | 24.5   | 24.5   | 24.1   | 23.8   | 23.5   | 23.1   | 22.8   | 22.4  | 21.7  | 17.2 |
| 17.5° | 35.9   | 34.8   | 34.5   | 33.1   | 31.4   | 29.7   | 28.3   | 26.9   | 25.5  | 24.5  | 16.6 |
| 20°   | 84.2   | 83.8   | 82.1   | 78.0   | 73.5   | 68.3   | 63.1   | 57.3   | 49.0  | 43.5  | 16.6 |
| 22.5° | 145.9  | 143.8  | 140.7  | 137.6  | 129.7  | 120.4  | 110.7  | 99.7   | 89.0  | 77.6  | 17.6 |
| 25°   | 233.5  | 238.4  | 228.0  | 219.7  | 205.9  | 189.0  | 170.8  | 155.6  | 136.3 | 118.3 | 20.4 |
| 27.5° | 406.0  | 409.1  | 388.8  | 361.9  | 329.8  | 294.2  | 259.7  | 233.9  | 201.5 | 171.8 | 25.5 |
| 30°   | 712.0  | 715.1  | 680.9  | 623.7  | 557.4  | 499.1  | 420.2  | 350.8  | 287.0 | 237.7 | 30.0 |
| 31°   | 888.6  | 864.4  | 824.8  | 769.2  | 685.4  | 597.5  | 502.6  | 418.8  | 338.1 | 273.2 | 31.4 |
| 32°   | 1042.1 | 1040.0 | 993.8  | 909.6  | 825.5  | 716.8  | 599.2  | 489.8  | 390.8 | 309.1 | 32.4 |
| 33°   | 1223.2 | 1209.4 | 1144.2 | 1064.9 | 953.4  | 844.1  | 692.3  | 567.4  | 445.0 | 349.1 | 33.1 |
| 34°   | 1368.4 | 1331.2 | 1304.3 | 1213.5 | 1095.9 | 956.5  | 794.1  | 649.5  | 512.6 | 387.7 | 33.5 |
| 35°   | 1475.0 | 1467.1 | 1414.6 | 1330.1 | 1210.4 | 1068.0 | 903.8  | 734.7  | 569.2 | 432.6 | 33.5 |
| 36°   | 1587.8 | 1563.3 | 1512.3 | 1435.7 | 1319.1 | 1171.8 | 987.6  | 808.6  | 635.1 | 472.9 | 33.1 |
| 37°   | 1658.5 | 1644.0 | 1593.3 | 1514.3 | 1400.2 | 1259.4 | 1081.4 | 886.5  | 687.5 | 513.3 | 32.4 |
| 38°   | 1731.3 | 1702.0 | 1652.0 | 1576.4 | 1464.3 | 1332.2 | 1149.4 | 946.5  | 735.8 | 548.8 | 31.4 |
| 39°   | 1781.7 | 1751.3 | 1700.3 | 1625.1 | 1515.4 | 1384.3 | 1203.2 | 997.6  | 777.9 | 575.4 | 30.0 |
| 40°   | 1819.6 | 1790.3 | 1738.6 | 1661.3 | 1553.0 | 1425.3 | 1248.0 | 1042.8 | 813.0 | 598.5 | 28.3 |
| 41°   | 1843.1 | 1815.8 | 1764.4 | 1687.5 | 1578.8 | 1448.8 | 1277.4 | 1072.1 | 836.9 | 614.0 | 26.6 |
| 42°   | 1862.7 | 1834.8 | 1782.4 | 1703.7 | 1594.7 | 1468.8 | 1295.3 | 1090.7 | 853.1 | 621.9 | 25.2 |
| 43°   | 1873.8 | 1845.8 | 1794.8 | 1714.4 | 1604.4 | 1478.1 | 1304.9 | 1099.4 | 858.6 | 620.9 | 22.8 |
| 44°   | 1880.0 | 1851.0 | 1799.6 | 1719.2 | 1608.5 | 1480.5 | 1305.6 | 1097.6 | 854.8 | 612.6 | 20.7 |
| 45°   | 1873.1 | 1844.5 | 1794.8 | 1714.4 | 1601.3 | 1472.9 | 1298.7 | 1088.3 | 840.3 | 596.4 | 18.3 |
| 46°   | 1828.2 | 1806.2 | 1760.6 | 1686.8 | 1578.5 | 1453.6 | 1281.1 | 1070.4 | 817.9 | 576.4 | 15.5 |
| 47°   | 1749.2 | 1731.7 | 1687.5 | 1632.7 | 1534.7 | 1418.1 | 1248.7 | 1036.2 | 786.5 | 546.4 | 12.4 |
| 48°   | 1666.8 | 1640.9 | 1599.9 | 1543.7 | 1460.9 | 1354.3 | 1195.3 | 986.2  | 738.9 | 507.1 | 11.0 |
| 49°   | 1545.0 | 1529.9 | 1493.6 | 1430.9 | 1362.2 | 1268.4 | 1119.7 | 922.1  | 680.6 | 464.3 | 9.7  |
| 50°   | 1433.3 | 1422.9 | 1372.2 | 1326.0 | 1253.2 | 1165.6 | 1017.3 | 837.5  | 608.1 | 411.2 | 8.6  |
| 51°   | 1346.0 | 1333.6 | 1297.0 | 1239.4 | 1161.8 | 1060.0 | 920.3  | 727.8  | 525.0 | 348.1 | 6.9  |
| 52°   | 1254.9 | 1248.0 | 1215.6 | 1156.3 | 1080.0 | 978.6  | 826.2  | 634.7  | 444.3 | 294.2 | 5.5  |
| 53°   | 1180.4 | 1170.4 | 1130.7 | 1078.0 | 995.5  | 890.7  | 724.1  | 548.1  | 376.3 | 247.3 | 4.8  |
| 54°   | 1071.8 | 1067.6 | 1042.1 | 986.9  | 897.6  | 783.4  | 631.6  | 461.5  | 313.9 | 209.7 | 4.1  |
| 55°   | 956.2  | 942.4  | 916.5  | 872.7  | 790.6  | 684.0  | 524.7  | 382.6  | 253.9 | 176.6 | 3.1  |
| 56°   | 815.5  | 814.8  | 768.6  | 732.0  | 659.2  | 546.1  | 419.1  | 298.7  | 206.3 | 147.3 | 2.8  |
| 57°   | 680.9  | 659.2  | 614.7  | 578.5  | 500.2  | 414.3  | 311.1  | 223.9  | 161.4 | 119.4 | 2.1  |
| 58°   | 503.6  | 492.2  | 480.5  | 427.4  | 355.0  | 293.6  | 222.1  | 157.3  | 119.4 | 91.1  | 1.4  |
| 59°   | 341.8  | 341.5  | 327.7  | 287.3  | 245.6  | 182.8  | 138.7  | 106.9  | 82.1  | 66.9  | 1.0  |
| 60°   | 258.0  | 251.8  | 224.2  | 197.7  | 154.5  | 115.6  | 82.1   | 63.1   | 51.1  | 43.1  | 0.7  |
| 62.5° | 90.4   | 93.8   | 82.4   | 68.3   | 52.1   | 42.8   | 32.8   | 26.6   | 21.7  | 17.6  | 0.0  |
| 65°   | 18.6   | 20.4   | 17.6   | 16.6   | 13.1   | 11.4   | 10.0   | 8.6    | 7.2   | 6.2   | 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° | 2.4 | 2.1  | 2.1 | 2.1  | 1.7 | 1.7   | 1.7 | 1.7   | 1.4 | 1.4   | 0.3 |
| 70°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 0.7 | 0.7   | 0.7 | 0.7   | 0.3 |
| 72.5° | 1.0 | 1.0  | 1.0 | 0.7  | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 | 0.3   | 0.3 |
| 75°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.7 | 0.3   | 0.3 | 0.3   | 0.3 |
| 77.5° | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 80°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 82.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.7 |
| 85°   | 0.3 | 0.3  | 0.3 | 0.0  | 0.0 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 |
| 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°    | 20.0  | 20.0 | 20.0   | 20.0 | 20.0   | 20.0 |
| 2.5°  | 21.0  | 20.4 | 19.3   | 19.0 | 18.6   | 18.6 |
| 5°    | 20.7  | 19.3 | 18.3   | 17.2 | 16.9   | 16.9 |
| 7.5°  | 19.7  | 17.9 | 16.6   | 15.9 | 15.5   | 15.2 |
| 10°   | 18.6  | 16.2 | 14.8   | 14.1 | 14.1   | 14.1 |
| 12.5° | 16.6  | 14.5 | 13.1   | 12.8 | 13.1   | 13.1 |
| 15°   | 14.8  | 12.4 | 11.7   | 11.7 | 12.1   | 12.4 |
| 17.5° | 12.8  | 11.0 | 10.3   | 10.7 | 11.0   | 11.4 |
| 20°   | 11.4  | 9.3  | 9.3    | 9.7  | 10.7   | 10.7 |
| 22.5° | 10.0  | 8.3  | 8.3    | 9.3  | 10.0   | 10.3 |
| 25°   | 9.0   | 7.2  | 7.6    | 8.6  | 9.7    | 10.0 |
| 27.5° | 7.6   | 6.2  | 6.9    | 8.3  | 9.3    | 9.7  |
| 30°   | 6.6   | 5.5  | 6.6    | 7.9  | 9.0    | 9.7  |
| 31°   | 6.2   | 5.2  | 6.6    | 7.6  | 9.0    | 9.7  |
| 32°   | 5.5   | 5.2  | 6.2    | 7.6  | 9.0    | 9.3  |
| 33°   | 5.2   | 4.8  | 6.2    | 7.6  | 9.0    | 9.3  |
| 34°   | 4.8   | 4.5  | 5.9    | 7.6  | 9.0    | 9.3  |
| 35°   | 4.1   | 4.5  | 5.9    | 7.2  | 8.6    | 9.3  |
| 36°   | 3.8   | 4.1  | 5.9    | 7.2  | 8.6    | 9.3  |
| 37°   | 3.4   | 4.1  | 5.5    | 7.2  | 8.6    | 9.3  |
| 38°   | 3.1   | 3.8  | 5.5    | 7.2  | 8.6    | 9.3  |
| 39°   | 2.8   | 3.8  | 5.2    | 7.2  | 8.6    | 9.3  |
| 40°   | 2.4   | 3.4  | 5.2    | 6.9  | 8.6    | 9.3  |
| 41°   | 2.4   | 3.4  | 5.2    | 6.9  | 8.6    | 9.3  |
| 42°   | 2.1   | 3.4  | 5.2    | 6.9  | 8.6    | 9.3  |
| 43°   | 1.7   | 3.1  | 5.2    | 6.9  | 8.6    | 9.3  |
| 44°   | 1.4   | 3.1  | 4.8    | 6.9  | 8.6    | 9.3  |
| 45°   | 1.4   | 3.1  | 4.8    | 6.9  | 8.6    | 9.3  |
| 46°   | 1.0   | 2.8  | 4.8    | 6.9  | 8.6    | 9.3  |
| 47°   | 0.7   | 2.8  | 4.8    | 6.6  | 8.6    | 9.3  |
| 48°   | 0.7   | 2.8  | 4.8    | 6.6  | 8.6    | 9.3  |
| 49°   | 0.7   | 2.8  | 4.5    | 6.6  | 8.6    | 9.3  |
| 50°   | 0.7   | 2.8  | 4.5    | 6.6  | 8.6    | 9.3  |
| 51°   | 0.3   | 2.4  | 4.5    | 6.6  | 8.6    | 9.3  |
| 52°   | 0.3   | 2.4  | 4.5    | 6.6  | 8.6    | 9.7  |
| 53°   | 0.3   | 2.4  | 4.5    | 6.6  | 8.6    | 9.3  |
| 54°   | 0.3   | 2.4  | 4.1    | 6.6  | 8.6    | 9.3  |
| 55°   | 0.3   | 2.4  | 4.1    | 6.6  | 8.6    | 9.3  |
| 56°   | 0.3   | 2.1  | 4.1    | 6.2  | 8.6    | 9.3  |
| 57°   | 0.7   | 2.1  | 4.1    | 6.2  | 8.6    | 9.0  |
| 58°   | 0.7   | 2.1  | 4.1    | 6.2  | 8.3    | 9.0  |
| 59°   | 0.7   | 2.1  | 4.1    | 6.2  | 8.3    | 9.0  |
| 60°   | 0.7   | 2.1  | 3.8    | 6.2  | 8.3    | 9.0  |
| 62.5° | 0.7   | 2.1  | 3.8    | 5.9  | 7.9    | 8.6  |
| 65°   | 0.7   | 2.1  | 3.4    | 5.5  | 7.9    | 8.3  |



TEST NUMBER: P1317168

CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.7   | 1.7 | 3.4    | 5.2  | 7.6    | 7.9  |
| 70°   | 1.0   | 1.7 | 3.1    | 5.2  | 7.2    | 7.6  |
| 72.5° | 1.0   | 1.7 | 3.1    | 4.5  | 6.6    | 7.2  |
| 75°   | 1.0   | 1.7 | 2.8    | 4.1  | 6.2    | 6.6  |
| 77.5° | 1.0   | 1.7 | 2.4    | 3.8  | 5.5    | 5.9  |
| 80°   | 1.4   | 1.7 | 2.1    | 3.1  | 4.8    | 5.2  |
| 82.5° | 1.4   | 1.7 | 1.7    | 2.4  | 3.8    | 4.1  |
| 85°   | 1.0   | 1.4 | 1.4    | 1.7  | 2.4    | 2.8  |
| 87.5° | 1.0   | 1.4 | 1.0    | 0.7  | 1.4    | 1.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)