

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: P1309644

Luminaire Tested: LDSQA3D24R159030D010 3LSQCA45R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309644  
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: LDSQA3D24R159030D010 3LSQCA45R 1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCA45R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

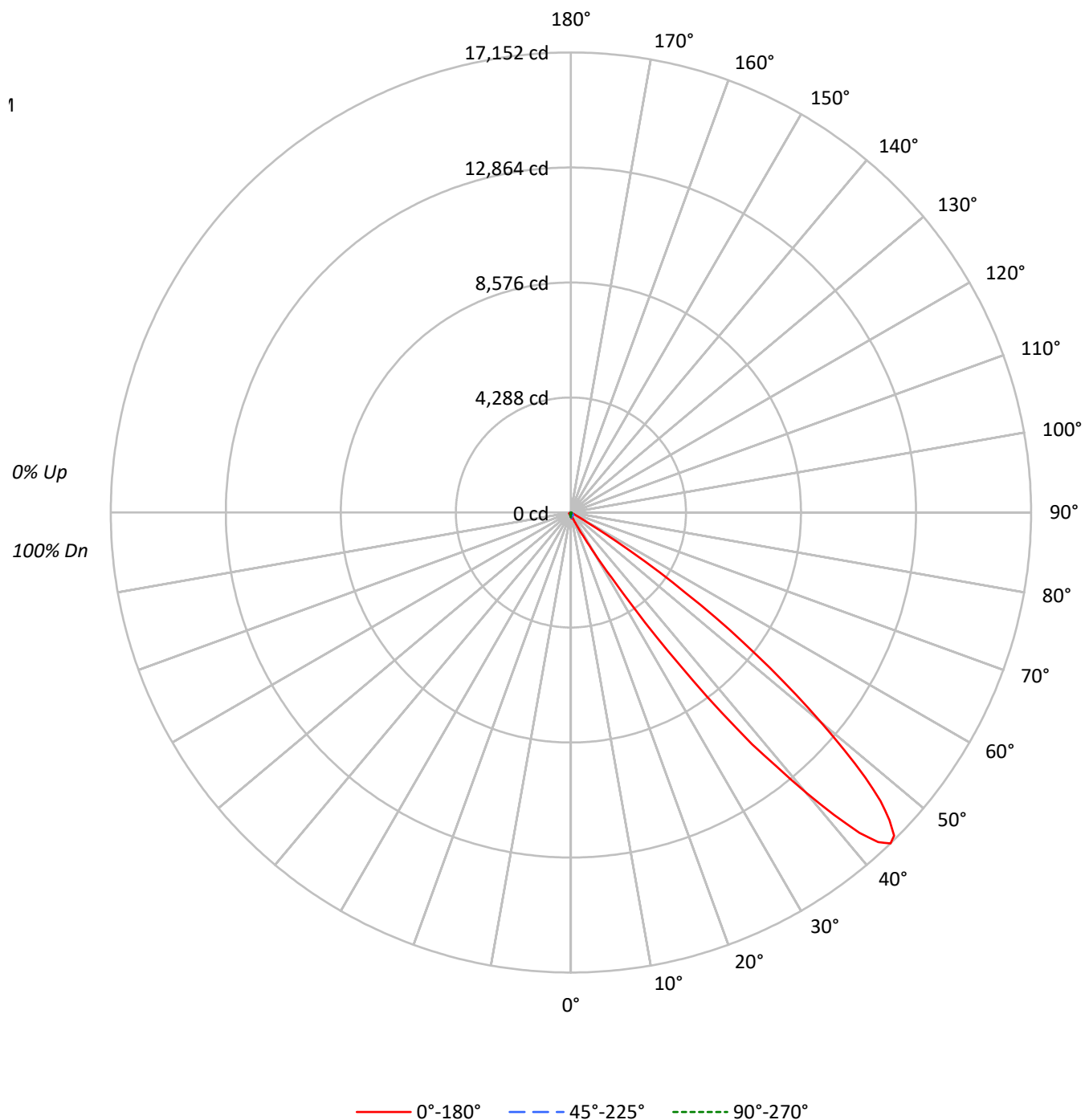
Lumens per Lamp: N/A  
Luminaire Lumens: 1915.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1309644

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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  | 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°  | 29261   | 29261 | 29261 | 29261 | 29261 |
| 5°  | 36305   | 32346 | 26416 | 23114 | 22786 |
| 10° | 35728   | 27718 | 20373 | 18030 | 18362 |
| 15° | 29615   | 19738 | 14638 | 14977 | 15993 |
| 20° | 51445   | 15743 | 11198 | 12939 | 14699 |
| 25° | 114662  | 18870 | 9064  | 11972 | 13796 |
| 30° | 342884  | 23168 | 7975  | 11773 | 14438 |
| 35° | 1319960 | 26091 | 7232  | 12047 | 15264 |
| 40° | 3063766 | 22752 | 6880  | 12455 | 16322 |
| 45° | 4149744 | 17195 | 6040  | 13493 | 17682 |
| 50° | 3253752 | 10235 | 6136  | 14334 | 19452 |
| 55° | 1561748 | 4594  | 5735  | 15493 | 21198 |
| 60° | 142704  | 654   | 5270  | 16430 | 23663 |
| 65° | 15567   | 0     | 4686  | 17116 | 25673 |
| 70° | 3827    | 0     | 5791  | 18279 | 27896 |
| 75° | 3793    | 1264  | 7652  | 20362 | 31740 |
| 80° | 3769    | 3769  | 9422  | 20828 | 34118 |
| 85° | 3754    | 3754  | 15018 | 18772 | 37742 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4149744 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.5   | 0.8       |
| 10°-20°   | 30.2   | 1.6       |
| 20°-30°   | 72.4   | 3.8       |
| 30°-40°   | 396.1  | 20.7      |
| 40°-50°   | 959.2  | 50.1      |
| 50°-60°   | 382.7  | 20.0      |
| 60°-70°   | 33.1   | 1.7       |
| 70°-80°   | 18.7   | 1.0       |
| 80°-90°   | 8.2    | 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°    | 117.1  | 6.1       |
| 0°-40°    | 513.2  | 26.8      |
| 0°-60°    | 1855.0 | 96.9      |
| 0°-90°    | 1915.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1915.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45° | 90° | 135° | 180° | Flux  |
|-----|-------|-----|-----|------|------|-------|
| 0°  | 170   | 170 | 170 | 170  | 170  |       |
| 5°  | 210   | 187 | 153 | 134  | 132  | 20    |
| 15° | 166   | 111 | 82  | 84   | 90   | 58    |
| 25° | 603   | 99  | 48  | 63   | 73   | 364   |
| 35° | 6278  | 124 | 34  | 57   | 73   | 4436  |
| 45° | 17038 | 71  | 25  | 55   | 73   | 12019 |
| 55° | 5201  | 15  | 19  | 52   | 71   | 4845  |
| 65° | 38    | 0   | 12  | 42   | 63   | 98    |
| 75° | 6     | 2   | 12  | 31   | 48   | 6     |
| 85° | 2     | 2   | 8   | 10   | 19   | 2     |
| 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°    | 169.9   | 169.9   | 169.9   | 169.9   | 169.9   | 169.9  | 169.9  | 169.9  | 169.9  | 169.9  | 169.9 |
| 2.5°  | 190.9   | 190.9   | 192.9   | 190.9   | 190.9   | 190.9  | 190.9  | 189.0  | 189.0  | 189.0  | 183.3 |
| 5°    | 210.0   | 210.0   | 210.0   | 210.0   | 208.1   | 208.1  | 208.1  | 206.2  | 206.2  | 204.3  | 187.1 |
| 7.5°  | 217.7   | 217.7   | 215.8   | 215.8   | 213.9   | 213.9  | 211.9  | 210.0  | 208.1  | 206.2  | 179.5 |
| 10°   | 204.3   | 204.3   | 204.3   | 202.4   | 202.4   | 200.5  | 198.6  | 196.7  | 194.8  | 190.9  | 158.5 |
| 12.5° | 181.4   | 181.4   | 183.3   | 181.4   | 179.5   | 177.6  | 173.8  | 171.8  | 169.9  | 166.1  | 131.8 |
| 15°   | 166.1   | 166.1   | 166.1   | 164.2   | 162.3   | 158.5  | 156.6  | 152.8  | 150.8  | 145.1  | 110.7 |
| 17.5° | 211.9   | 211.9   | 210.0   | 206.2   | 198.6   | 192.9  | 183.3  | 175.7  | 166.1  | 154.7  | 95.5  |
| 20°   | 280.7   | 280.7   | 276.9   | 273.0   | 263.5   | 254.0  | 238.7  | 225.3  | 210.0  | 196.7  | 85.9  |
| 22.5° | 406.7   | 412.4   | 401.0   | 387.6   | 374.2   | 351.3  | 330.3  | 309.3  | 282.6  | 259.7  | 87.8  |
| 25°   | 603.4   | 609.1   | 603.4   | 572.8   | 548.0   | 517.5  | 477.4  | 435.4  | 389.5  | 347.5  | 99.3  |
| 27.5° | 977.6   | 981.4   | 971.9   | 897.4   | 857.3   | 777.1  | 706.5  | 637.8  | 561.4  | 485.0  | 108.8 |
| 30°   | 1724.2  | 1726.1  | 1665.0  | 1516.1  | 1384.3  | 1208.7 | 1059.7 | 916.5  | 796.2  | 674.0  | 116.5 |
| 31°   | 2270.3  | 2216.9  | 2087.0  | 1907.5  | 1697.5  | 1460.7 | 1256.4 | 1071.2 | 891.7  | 760.0  | 118.4 |
| 32°   | 2883.2  | 2875.6  | 2659.8  | 2348.6  | 2067.9  | 1772.0 | 1464.5 | 1227.8 | 1021.5 | 842.1  | 120.3 |
| 33°   | 3694.8  | 3698.6  | 3358.7  | 2992.1  | 2531.9  | 2134.7 | 1731.9 | 1407.3 | 1159.0 | 939.4  | 124.1 |
| 34°   | 4962.6  | 4664.8  | 4265.7  | 3769.2  | 3142.9  | 2545.3 | 2022.1 | 1615.4 | 1283.1 | 1033.0 | 124.1 |
| 35°   | 6278.2  | 5978.4  | 5539.3  | 4787.0  | 3927.7  | 3091.4 | 2367.7 | 1838.8 | 1432.1 | 1134.2 | 124.1 |
| 36°   | 7752.3  | 7498.4  | 6833.9  | 5873.4  | 4777.4  | 3606.9 | 2734.3 | 2096.6 | 1579.1 | 1225.9 | 122.2 |
| 37°   | 9344.8  | 8972.4  | 8235.4  | 7187.1  | 5720.7  | 4332.5 | 3181.1 | 2352.4 | 1726.1 | 1325.1 | 118.4 |
| 38°   | 10962.1 | 10626.0 | 9696.1  | 8426.3  | 6847.2  | 5098.2 | 3627.9 | 2598.7 | 1861.7 | 1399.6 | 112.7 |
| 39°   | 12187.9 | 12004.6 | 11082.4 | 9663.7  | 7746.6  | 5823.8 | 4088.1 | 2862.2 | 2004.9 | 1474.1 | 106.9 |
| 40°   | 13627.6 | 13331.7 | 12457.2 | 10702.4 | 8810.1  | 6562.7 | 4538.7 | 3095.2 | 2123.3 | 1533.3 | 101.2 |
| 41°   | 14941.3 | 14567.1 | 13463.4 | 11767.8 | 9661.7  | 7227.2 | 4966.4 | 3335.8 | 2218.8 | 1567.6 | 97.4  |
| 42°   | 16067.9 | 15632.5 | 14479.2 | 12680.6 | 10374.0 | 7758.0 | 5308.2 | 3507.6 | 2308.5 | 1596.3 | 91.7  |
| 43°   | 16797.3 | 16421.1 | 15286.9 | 13366.0 | 10983.1 | 8244.9 | 5627.1 | 3687.1 | 2363.9 | 1615.4 | 84.0  |
| 44°   | 17152.5 | 16772.5 | 15674.6 | 13795.7 | 11357.3 | 8537.1 | 5833.3 | 3811.2 | 2425.0 | 1640.2 | 78.3  |
| 45°   | 17037.9 | 16652.2 | 15590.5 | 13803.3 | 11473.8 | 8642.1 | 5921.2 | 3866.6 | 2457.4 | 1663.1 | 70.6  |
| 46°   | 16512.8 | 16241.7 | 15172.4 | 13444.3 | 11252.3 | 8529.4 | 5871.5 | 3824.6 | 2446.0 | 1663.1 | 63.0  |
| 47°   | 15775.8 | 15466.4 | 14448.7 | 12827.6 | 10715.8 | 8239.2 | 5671.0 | 3696.7 | 2375.3 | 1624.9 | 55.4  |
| 48°   | 14771.4 | 14507.9 | 13438.6 | 11848.0 | 9892.8  | 7607.2 | 5218.5 | 3488.5 | 2264.6 | 1550.5 | 47.7  |
| 49°   | 13511.2 | 13144.6 | 12149.7 | 10595.5 | 8819.7  | 6709.8 | 4624.7 | 3137.2 | 2087.0 | 1445.4 | 42.0  |
| 50°   | 12144.0 | 11691.5 | 10923.9 | 9341.0  | 7710.3  | 5753.1 | 3843.7 | 2652.2 | 1836.9 | 1308.0 | 38.2  |
| 51°   | 10805.5 | 10345.3 | 9614.0  | 8267.9  | 6526.4  | 4773.6 | 3100.9 | 2117.6 | 1512.3 | 1118.9 | 32.5  |
| 52°   | 9417.3  | 9031.6  | 8212.5  | 7154.7  | 5587.0  | 3868.5 | 2583.5 | 1791.1 | 1256.4 | 939.4  | 26.7  |
| 53°   | 8034.9  | 7771.4  | 6992.4  | 5921.2  | 4489.1  | 3160.1 | 2109.9 | 1533.3 | 1096.0 | 803.9  | 21.0  |
| 54°   | 6650.6  | 6362.2  | 5770.3  | 4815.6  | 3618.4  | 2493.7 | 1789.1 | 1283.1 | 950.9  | 700.8  | 19.1  |
| 55°   | 5201.3  | 5052.4  | 4506.3  | 3671.8  | 2741.9  | 1989.6 | 1451.2 | 1103.7 | 796.2  | 586.2  | 15.3  |
| 56°   | 4006.0  | 3838.0  | 3339.6  | 2663.7  | 2037.4  | 1558.1 | 1174.3 | 901.3  | 674.0  | 490.7  | 11.5  |
| 57°   | 2623.6  | 2451.7  | 2121.4  | 1859.8  | 1483.6  | 1136.1 | 897.4  | 710.3  | 548.0  | 406.7  | 9.5   |
| 58°   | 1550.5  | 1393.9  | 1342.3  | 1145.7  | 989.1   | 771.4  | 662.6  | 528.9  | 404.8  | 320.8  | 5.7   |
| 59°   | 712.2   | 723.7   | 643.5   | 603.4   | 548.0   | 490.7  | 402.9  | 353.2  | 276.9  | 231.0  | 3.8   |
| 60°   | 414.3   | 391.4   | 381.9   | 341.8   | 303.6   | 269.2  | 242.5  | 213.9  | 173.8  | 148.9  | 1.9   |
| 62.5° | 141.3   | 135.6   | 139.4   | 126.0   | 118.4   | 114.6  | 105.0  | 89.7   | 74.5   | 61.1   | 0.0   |
| 65°   | 38.2    | 38.2    | 36.3    | 34.4    | 32.5    | 30.6   | 28.6   | 24.8   | 22.9   | 19.1   | 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° | 13.4 | 13.4 | 11.5 | 11.5 | 9.5 | 9.5   | 7.6 | 7.6   | 5.7 | 5.7   | 0.0 |
| 70°   | 7.6  | 7.6  | 7.6  | 5.7  | 5.7 | 5.7   | 3.8 | 3.8   | 3.8 | 1.9   | 0.0 |
| 72.5° | 5.7  | 5.7  | 5.7  | 5.7  | 5.7 | 5.7   | 3.8 | 3.8   | 3.8 | 1.9   | 1.9 |
| 75°   | 5.7  | 5.7  | 5.7  | 3.8  | 3.8 | 3.8   | 3.8 | 3.8   | 3.8 | 3.8   | 1.9 |
| 77.5° | 3.8  | 3.8  | 3.8  | 3.8  | 3.8 | 3.8   | 3.8 | 3.8   | 3.8 | 3.8   | 3.8 |
| 80°   | 3.8  | 3.8  | 3.8  | 3.8  | 3.8 | 3.8   | 3.8 | 3.8   | 3.8 | 1.9   | 3.8 |
| 82.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9 | 1.9   | 1.9 | 1.9   | 1.9 | 1.9   | 3.8 |
| 85°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.9 | 1.9   | 1.9 | 1.9   | 1.9 | 1.9   | 1.9 |
| 87.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.9 |
| 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°    | 169.9 | 169.9 | 169.9  | 169.9 | 169.9  | 169.9 |
| 2.5°  | 175.7 | 168.0 | 158.5  | 152.8 | 150.8  | 148.9 |
| 5°    | 168.0 | 152.8 | 141.3  | 133.7 | 131.8  | 131.8 |
| 7.5°  | 150.8 | 133.7 | 122.2  | 118.4 | 116.5  | 116.5 |
| 10°   | 131.8 | 116.5 | 106.9  | 103.1 | 105.0  | 105.0 |
| 12.5° | 110.7 | 97.4  | 93.6   | 93.6  | 95.5   | 97.4  |
| 15°   | 89.7  | 82.1  | 82.1   | 84.0  | 87.8   | 89.7  |
| 17.5° | 74.5  | 70.6  | 72.6   | 76.4  | 80.2   | 84.0  |
| 20°   | 61.1  | 61.1  | 64.9   | 70.6  | 76.4   | 80.2  |
| 22.5° | 51.6  | 53.5  | 59.2   | 64.9  | 72.6   | 76.4  |
| 25°   | 43.9  | 47.7  | 53.5   | 63.0  | 70.6   | 72.6  |
| 27.5° | 38.2  | 43.9  | 51.6   | 61.1  | 68.7   | 72.6  |
| 30°   | 32.5  | 40.1  | 49.6   | 59.2  | 68.7   | 72.6  |
| 31°   | 30.6  | 38.2  | 47.7   | 59.2  | 68.7   | 72.6  |
| 32°   | 28.6  | 38.2  | 47.7   | 59.2  | 68.7   | 72.6  |
| 33°   | 26.7  | 36.3  | 47.7   | 57.3  | 68.7   | 72.6  |
| 34°   | 24.8  | 36.3  | 47.7   | 59.2  | 68.7   | 72.6  |
| 35°   | 22.9  | 34.4  | 45.8   | 57.3  | 66.8   | 72.6  |
| 36°   | 21.0  | 34.4  | 45.8   | 57.3  | 68.7   | 72.6  |
| 37°   | 19.1  | 34.4  | 45.8   | 57.3  | 66.8   | 72.6  |
| 38°   | 19.1  | 32.5  | 43.9   | 57.3  | 66.8   | 72.6  |
| 39°   | 17.2  | 30.6  | 43.9   | 57.3  | 66.8   | 72.6  |
| 40°   | 15.3  | 30.6  | 42.0   | 55.4  | 66.8   | 72.6  |
| 41°   | 13.4  | 28.6  | 42.0   | 55.4  | 66.8   | 72.6  |
| 42°   | 11.5  | 28.6  | 42.0   | 55.4  | 66.8   | 72.6  |
| 43°   | 9.5   | 26.7  | 40.1   | 55.4  | 66.8   | 72.6  |
| 44°   | 9.5   | 26.7  | 40.1   | 55.4  | 66.8   | 72.6  |
| 45°   | 7.6   | 24.8  | 38.2   | 55.4  | 66.8   | 72.6  |
| 46°   | 7.6   | 24.8  | 38.2   | 53.5  | 66.8   | 72.6  |
| 47°   | 5.7   | 24.8  | 38.2   | 53.5  | 66.8   | 72.6  |
| 48°   | 5.7   | 22.9  | 38.2   | 53.5  | 66.8   | 72.6  |
| 49°   | 3.8   | 22.9  | 38.2   | 53.5  | 66.8   | 72.6  |
| 50°   | 3.8   | 22.9  | 36.3   | 53.5  | 66.8   | 72.6  |
| 51°   | 3.8   | 22.9  | 36.3   | 53.5  | 66.8   | 72.6  |
| 52°   | 3.8   | 21.0  | 36.3   | 53.5  | 66.8   | 72.6  |
| 53°   | 3.8   | 21.0  | 36.3   | 53.5  | 66.8   | 72.6  |
| 54°   | 3.8   | 21.0  | 34.4   | 53.5  | 66.8   | 72.6  |
| 55°   | 3.8   | 19.1  | 34.4   | 51.6  | 66.8   | 70.6  |
| 56°   | 3.8   | 19.1  | 34.4   | 51.6  | 66.8   | 70.6  |
| 57°   | 3.8   | 19.1  | 32.5   | 51.6  | 66.8   | 70.6  |
| 58°   | 3.8   | 17.2  | 32.5   | 49.6  | 64.9   | 70.6  |
| 59°   | 3.8   | 17.2  | 30.6   | 49.6  | 64.9   | 68.7  |
| 60°   | 3.8   | 15.3  | 30.6   | 47.7  | 63.0   | 68.7  |
| 62.5° | 3.8   | 13.4  | 26.7   | 45.8  | 61.1   | 64.9  |
| 65°   | 3.8   | 11.5  | 24.8   | 42.0  | 59.2   | 63.0  |





TEST NUMBER: P1309644

CATALOG NUMBER: LDSQA3D24R159030D010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 67.5° | 3.8   | 11.5 | 22.9   | 40.1 | 55.4   | 61.1 |
| 70°   | 3.8   | 11.5 | 21.0   | 36.3 | 53.5   | 55.4 |
| 72.5° | 5.7   | 11.5 | 19.1   | 34.4 | 49.6   | 51.6 |
| 75°   | 7.6   | 11.5 | 17.2   | 30.6 | 45.8   | 47.7 |
| 77.5° | 7.6   | 11.5 | 15.3   | 26.7 | 40.1   | 42.0 |
| 80°   | 7.6   | 9.5  | 13.4   | 21.0 | 32.5   | 34.4 |
| 82.5° | 7.6   | 9.5  | 9.5    | 17.2 | 24.8   | 26.7 |
| 85°   | 5.7   | 7.6  | 7.6    | 9.5  | 17.2   | 19.1 |
| 87.5° | 5.7   | 7.6  | 3.8    | 5.7  | 7.6    | 7.6  |
| 90°   | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)