

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: P1310647

Luminaire Tested: LDSQA3D20R259035D010 3LSQCA45R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310647  
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: LDSQA3D20R259035D010 3LSQCA45R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCA45R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

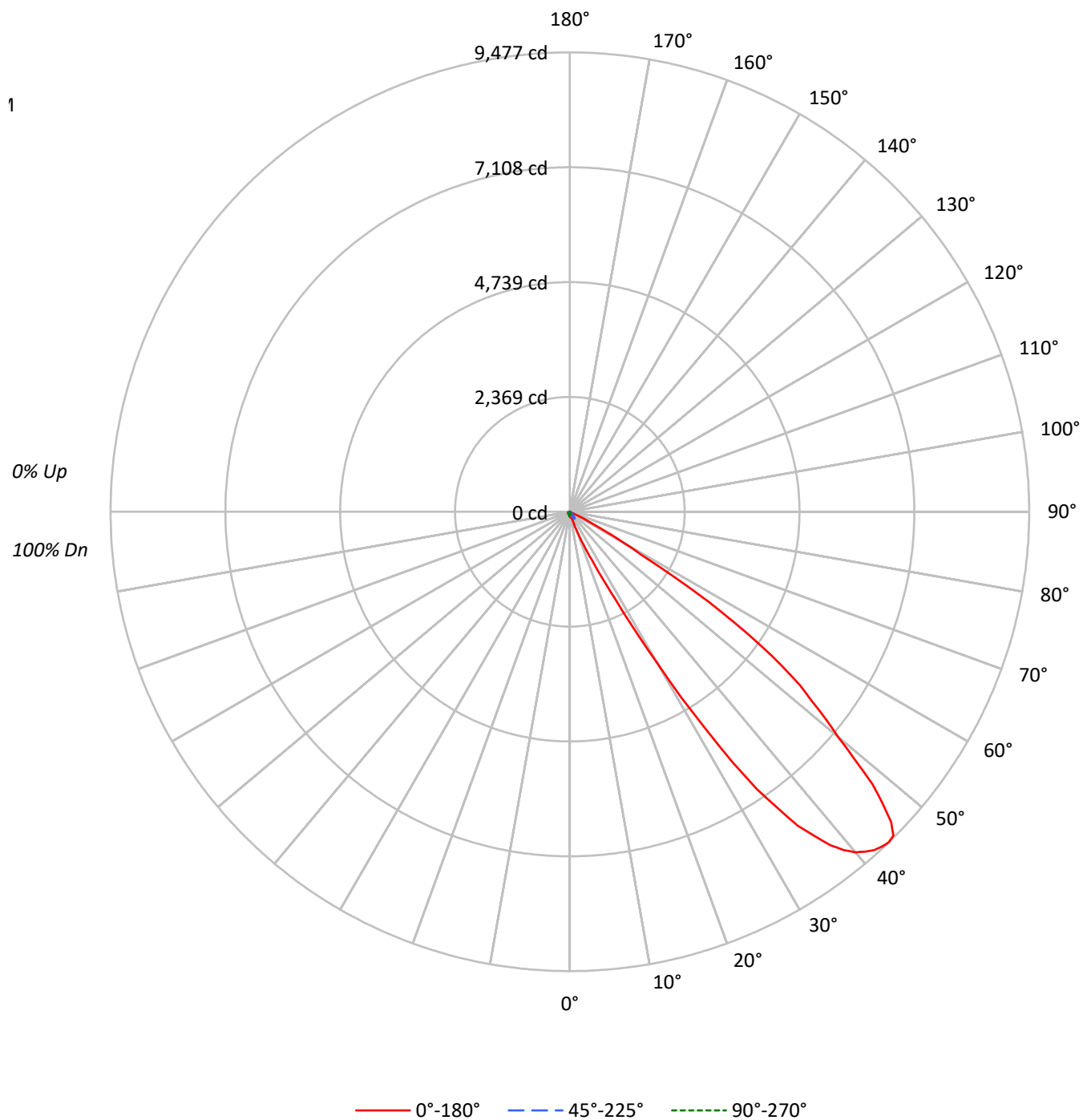
Lumens per Lamp: N/A  
Luminaire Lumens: 1976.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**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  | 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°  | 17377   | 17377 | 17377 | 17377 | 17377 |
| 5°  | 19847   | 18930 | 16839 | 15023 | 14729 |
| 10° | 19761   | 17943 | 14288 | 12469 | 12469 |
| 15° | 22020   | 15494 | 11161 | 10537 | 11161 |
| 20° | 77764   | 15304 | 8596  | 8926  | 9879  |
| 25° | 223699  | 19497 | 6936  | 8266  | 9577  |
| 30° | 713729  | 30088 | 5528  | 7955  | 9685  |
| 35° | 1563235 | 35468 | 4752  | 7674  | 9860  |
| 40° | 2062123 | 32059 | 3912  | 7824  | 10544 |
| 45° | 2299665 | 22456 | 3800  | 8476  | 11423 |
| 50° | 1935774 | 11655 | 3724  | 8842  | 12566 |
| 55° | 1447258 | 4684  | 3663  | 9909  | 14082 |
| 60° | 447986  | 1206  | 3582  | 10781 | 15569 |
| 65° | 38266   | 0     | 4238  | 11329 | 16993 |
| 70° | 2618    | 856   | 4381  | 13143 | 19286 |
| 75° | 2329    | 1131  | 5789  | 13907 | 21959 |
| 80° | 1686    | 1686  | 8629  | 15472 | 25886 |
| 85° | 3359    | 3359  | 13832 | 17191 | 27467 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2299665 cd/sqm

TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.0    | 0.5       |
| 10°-20°   | 23.3   | 1.2       |
| 20°-30°   | 109.3  | 5.5       |
| 30°-40°   | 526.3  | 26.6      |
| 40°-50°   | 825.0  | 41.8      |
| 50°-60°   | 422.9  | 21.4      |
| 60°-70°   | 39.9   | 2.0       |
| 70°-80°   | 13.4   | 0.7       |
| 80°-90°   | 6.7    | 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°    | 141.6  | 7.2       |
| 0°-40°    | 668.0  | 33.8      |
| 0°-60°    | 1915.9 | 97.0      |
| 0°-90°    | 1976.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1976.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 101  | 101 | 101 | 101  | 101  |      |
| 5°  | 115  | 110 | 97  | 87   | 85   | 11   |
| 15° | 124  | 87  | 63  | 59   | 63   | 52   |
| 25° | 1177 | 103 | 36  | 44   | 50   | 730  |
| 35° | 7435 | 169 | 23  | 36   | 47   | 4513 |
| 45° | 9442 | 92  | 16  | 35   | 47   | 6909 |
| 55° | 4820 | 16  | 12  | 33   | 47   | 4013 |
| 65° | 94   | 0   | 10  | 28   | 42   | 294  |
| 75° | 4    | 2   | 9   | 21   | 33   | 4    |
| 85° | 2    | 2   | 7   | 9    | 14   | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9  | 100.9 |
| 2.5°  | 109.5  | 109.5  | 109.5  | 109.5  | 109.5  | 109.5  | 107.8  | 107.8  | 109.5  | 107.8  | 107.8 |
| 5°    | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 113.0  | 113.0  | 113.0  | 109.5 |
| 7.5°  | 116.5  | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 114.8  | 113.0  | 113.0  | 107.8 |
| 10°   | 113.0  | 113.0  | 113.0  | 113.0  | 111.3  | 111.3  | 111.3  | 109.5  | 109.5  | 109.5  | 102.6 |
| 12.5° | 113.0  | 113.0  | 113.0  | 113.0  | 111.3  | 111.3  | 109.5  | 109.5  | 107.8  | 106.1  | 93.9  |
| 15°   | 123.5  | 123.5  | 123.5  | 121.7  | 120.0  | 118.2  | 116.5  | 114.8  | 113.0  | 109.5  | 86.9  |
| 17.5° | 180.8  | 175.6  | 173.9  | 166.9  | 158.2  | 149.5  | 142.6  | 135.6  | 128.7  | 123.5  | 83.5  |
| 20°   | 424.3  | 422.5  | 413.8  | 393.0  | 370.4  | 344.3  | 318.2  | 288.6  | 246.9  | 219.1  | 83.5  |
| 22.5° | 735.5  | 725.1  | 709.4  | 693.8  | 653.8  | 606.9  | 558.2  | 502.5  | 448.6  | 391.2  | 88.7  |
| 25°   | 1177.2 | 1201.5 | 1149.4 | 1107.6 | 1038.1 | 952.9  | 860.7  | 784.2  | 686.8  | 596.4  | 102.6 |
| 27.5° | 2046.6 | 2062.3 | 1959.7 | 1824.0 | 1662.3 | 1483.2 | 1309.3 | 1178.9 | 1015.5 | 865.9  | 128.7 |
| 30°   | 3589.0 | 3604.6 | 3432.5 | 3143.8 | 2810.0 | 2516.1 | 2117.9 | 1768.4 | 1446.7 | 1198.1 | 151.3 |
| 31°   | 4479.2 | 4357.5 | 4157.6 | 3877.6 | 3455.1 | 3011.7 | 2533.5 | 2110.9 | 1704.1 | 1377.2 | 158.2 |
| 32°   | 5253.0 | 5242.6 | 5009.6 | 4585.3 | 4161.0 | 3613.3 | 3020.4 | 2469.1 | 1970.1 | 1558.0 | 163.5 |
| 33°   | 6165.9 | 6096.4 | 5767.7 | 5367.8 | 4806.1 | 4254.9 | 3489.8 | 2860.4 | 2243.1 | 1759.7 | 166.9 |
| 34°   | 6898.0 | 6710.2 | 6574.5 | 6117.2 | 5524.3 | 4821.8 | 4002.8 | 3274.2 | 2583.9 | 1954.4 | 168.7 |
| 35°   | 7435.3 | 7395.3 | 7131.0 | 6704.9 | 6101.6 | 5383.4 | 4555.7 | 3703.7 | 2869.1 | 2180.5 | 168.7 |
| 36°   | 8003.9 | 7880.4 | 7623.0 | 7237.0 | 6649.3 | 5906.8 | 4978.3 | 4075.8 | 3201.2 | 2383.9 | 166.9 |
| 37°   | 8360.3 | 8287.3 | 8031.7 | 7633.5 | 7057.9 | 6348.5 | 5451.2 | 4468.8 | 3465.5 | 2587.4 | 163.5 |
| 38°   | 8727.2 | 8579.4 | 8327.3 | 7946.5 | 7381.3 | 6715.4 | 5793.8 | 4771.4 | 3708.9 | 2766.5 | 158.2 |
| 39°   | 8981.1 | 8828.1 | 8570.7 | 8191.6 | 7638.7 | 6977.9 | 6065.1 | 5028.7 | 3921.1 | 2900.4 | 151.3 |
| 40°   | 9172.3 | 9024.5 | 8763.7 | 8374.2 | 7828.2 | 7184.9 | 6291.1 | 5256.5 | 4098.4 | 3016.9 | 142.6 |
| 41°   | 9290.6 | 9153.2 | 8894.1 | 8506.4 | 7958.6 | 7303.1 | 6438.9 | 5404.3 | 4218.4 | 3095.1 | 133.9 |
| 42°   | 9389.7 | 9248.9 | 8984.6 | 8588.1 | 8038.6 | 7404.0 | 6529.3 | 5498.2 | 4300.1 | 3135.1 | 126.9 |
| 43°   | 9445.3 | 9304.5 | 9047.2 | 8642.0 | 8087.3 | 7450.9 | 6578.0 | 5541.7 | 4328.0 | 3129.9 | 114.8 |
| 44°   | 9476.6 | 9330.6 | 9071.5 | 8666.3 | 8108.2 | 7463.1 | 6581.5 | 5533.0 | 4308.8 | 3088.2 | 104.3 |
| 45°   | 9441.9 | 9297.5 | 9047.2 | 8642.0 | 8071.7 | 7424.8 | 6546.7 | 5486.0 | 4235.8 | 3006.4 | 92.2  |
| 46°   | 9215.8 | 9104.5 | 8875.0 | 8502.9 | 7956.9 | 7327.4 | 6458.0 | 5395.6 | 4122.8 | 2905.6 | 78.2  |
| 47°   | 8817.6 | 8728.9 | 8506.4 | 8229.9 | 7736.1 | 7148.3 | 6294.6 | 5223.5 | 3964.5 | 2754.3 | 62.6  |
| 48°   | 8402.0 | 8271.6 | 8064.7 | 7781.3 | 7364.0 | 6826.7 | 6025.1 | 4971.3 | 3724.6 | 2556.1 | 55.6  |
| 49°   | 7788.2 | 7711.7 | 7529.1 | 7212.7 | 6866.7 | 6393.7 | 5644.3 | 4647.9 | 3430.7 | 2340.5 | 48.7  |
| 50°   | 7224.9 | 7172.7 | 6917.1 | 6684.1 | 6317.2 | 5875.5 | 5127.8 | 4221.9 | 3065.6 | 2072.7 | 43.5  |
| 51°   | 6784.9 | 6722.3 | 6538.0 | 6247.6 | 5856.4 | 5343.4 | 4639.2 | 3668.9 | 2646.5 | 1754.5 | 34.8  |
| 52°   | 6325.9 | 6291.1 | 6127.6 | 5828.6 | 5444.3 | 4933.1 | 4164.5 | 3199.5 | 2239.6 | 1483.2 | 27.8  |
| 53°   | 5950.3 | 5899.9 | 5699.9 | 5433.9 | 5018.3 | 4489.7 | 3649.8 | 2763.0 | 1897.1 | 1246.7 | 24.3  |
| 54°   | 5402.6 | 5381.7 | 5253.0 | 4974.8 | 4524.4 | 3948.9 | 3183.8 | 2326.6 | 1582.3 | 1057.2 | 20.9  |
| 55°   | 4820.0 | 4750.5 | 4620.1 | 4399.2 | 3985.4 | 3448.1 | 2644.8 | 1928.4 | 1279.8 | 890.3  | 15.6  |
| 56°   | 4110.6 | 4107.1 | 3874.1 | 3689.8 | 3322.9 | 2752.6 | 2112.7 | 1505.8 | 1039.8 | 742.5  | 13.9  |
| 57°   | 3432.5 | 3322.9 | 3098.6 | 2916.0 | 2521.3 | 2088.3 | 1568.4 | 1128.5 | 813.8  | 601.6  | 10.4  |
| 58°   | 2538.7 | 2481.3 | 2422.2 | 2154.4 | 1789.3 | 1479.7 | 1119.8 | 792.9  | 601.6  | 459.1  | 7.0   |
| 59°   | 1723.2 | 1721.4 | 1651.9 | 1448.4 | 1238.0 | 921.6  | 699.0  | 539.0  | 413.8  | 337.3  | 5.2   |
| 60°   | 1300.6 | 1269.3 | 1130.2 | 996.4  | 779.0  | 582.5  | 413.8  | 318.2  | 257.3  | 217.4  | 3.5   |
| 62.5° | 455.6  | 473.0  | 415.6  | 344.3  | 262.6  | 215.6  | 165.2  | 133.9  | 109.5  | 88.7   | 0.0   |
| 65°   | 93.9   | 102.6  | 88.7   | 83.5   | 66.1   | 57.4   | 50.4   | 43.5   | 36.5   | 31.3   | 0.0   |



TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 0°   | 2.5° | 5°   | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|------|------|------|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 12.2 | 10.4 | 10.4 | 10.4 | 8.7 | 8.7   | 8.7 | 8.7   | 7.0 | 7.0   | 1.7 |
| 70°   | 5.2  | 5.2  | 5.2  | 5.2  | 5.2 | 5.2   | 3.5 | 3.5   | 3.5 | 3.5   | 1.7 |
| 72.5° | 5.2  | 5.2  | 5.2  | 3.5  | 3.5 | 3.5   | 3.5 | 3.5   | 3.5 | 1.7   | 1.7 |
| 75°   | 3.5  | 3.5  | 3.5  | 3.5  | 3.5 | 3.5   | 3.5 | 1.7   | 1.7 | 1.7   | 1.7 |
| 77.5° | 3.5  | 3.5  | 3.5  | 3.5  | 3.5 | 3.5   | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 |
| 80°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 |
| 82.5° | 1.7  | 1.7  | 1.7  | 1.7  | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 | 1.7   | 3.5 |
| 85°   | 1.7  | 1.7  | 1.7  | 0.0  | 0.0 | 1.7   | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 |
| 87.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.7 |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 100.9 | 100.9 | 100.9  | 100.9 | 100.9  | 100.9 |
| 2.5°  | 106.1 | 102.6 | 97.4   | 95.6  | 93.9   | 93.9  |
| 5°    | 104.3 | 97.4  | 92.2   | 86.9  | 85.2   | 85.2  |
| 7.5°  | 99.1  | 90.4  | 83.5   | 80.0  | 78.2   | 76.5  |
| 10°   | 93.9  | 81.7  | 74.8   | 71.3  | 71.3   | 71.3  |
| 12.5° | 83.5  | 73.0  | 66.1   | 64.3  | 66.1   | 66.1  |
| 15°   | 74.8  | 62.6  | 59.1   | 59.1  | 60.9   | 62.6  |
| 17.5° | 64.3  | 55.6  | 52.2   | 53.9  | 55.6   | 57.4  |
| 20°   | 57.4  | 46.9  | 46.9   | 48.7  | 53.9   | 53.9  |
| 22.5° | 50.4  | 41.7  | 41.7   | 46.9  | 50.4   | 52.2  |
| 25°   | 45.2  | 36.5  | 38.3   | 43.5  | 48.7   | 50.4  |
| 27.5° | 38.3  | 31.3  | 34.8   | 41.7  | 46.9   | 48.7  |
| 30°   | 33.0  | 27.8  | 33.0   | 40.0  | 45.2   | 48.7  |
| 31°   | 31.3  | 26.1  | 33.0   | 38.3  | 45.2   | 48.7  |
| 32°   | 27.8  | 26.1  | 31.3   | 38.3  | 45.2   | 46.9  |
| 33°   | 26.1  | 24.3  | 31.3   | 38.3  | 45.2   | 46.9  |
| 34°   | 24.3  | 22.6  | 29.6   | 38.3  | 45.2   | 46.9  |
| 35°   | 20.9  | 22.6  | 29.6   | 36.5  | 43.5   | 46.9  |
| 36°   | 19.1  | 20.9  | 29.6   | 36.5  | 43.5   | 46.9  |
| 37°   | 17.4  | 20.9  | 27.8   | 36.5  | 43.5   | 46.9  |
| 38°   | 15.6  | 19.1  | 27.8   | 36.5  | 43.5   | 46.9  |
| 39°   | 13.9  | 19.1  | 26.1   | 36.5  | 43.5   | 46.9  |
| 40°   | 12.2  | 17.4  | 26.1   | 34.8  | 43.5   | 46.9  |
| 41°   | 12.2  | 17.4  | 26.1   | 34.8  | 43.5   | 46.9  |
| 42°   | 10.4  | 17.4  | 26.1   | 34.8  | 43.5   | 46.9  |
| 43°   | 8.7   | 15.6  | 26.1   | 34.8  | 43.5   | 46.9  |
| 44°   | 7.0   | 15.6  | 24.3   | 34.8  | 43.5   | 46.9  |
| 45°   | 7.0   | 15.6  | 24.3   | 34.8  | 43.5   | 46.9  |
| 46°   | 5.2   | 13.9  | 24.3   | 34.8  | 43.5   | 46.9  |
| 47°   | 3.5   | 13.9  | 24.3   | 33.0  | 43.5   | 46.9  |
| 48°   | 3.5   | 13.9  | 24.3   | 33.0  | 43.5   | 46.9  |
| 49°   | 3.5   | 13.9  | 22.6   | 33.0  | 43.5   | 46.9  |
| 50°   | 3.5   | 13.9  | 22.6   | 33.0  | 43.5   | 46.9  |
| 51°   | 1.7   | 12.2  | 22.6   | 33.0  | 43.5   | 46.9  |
| 52°   | 1.7   | 12.2  | 22.6   | 33.0  | 43.5   | 48.7  |
| 53°   | 1.7   | 12.2  | 22.6   | 33.0  | 43.5   | 46.9  |
| 54°   | 1.7   | 12.2  | 20.9   | 33.0  | 43.5   | 46.9  |
| 55°   | 1.7   | 12.2  | 20.9   | 33.0  | 43.5   | 46.9  |
| 56°   | 1.7   | 10.4  | 20.9   | 31.3  | 43.5   | 46.9  |
| 57°   | 3.5   | 10.4  | 20.9   | 31.3  | 43.5   | 45.2  |
| 58°   | 3.5   | 10.4  | 20.9   | 31.3  | 41.7   | 45.2  |
| 59°   | 3.5   | 10.4  | 20.9   | 31.3  | 41.7   | 45.2  |
| 60°   | 3.5   | 10.4  | 19.1   | 31.3  | 41.7   | 45.2  |
| 62.5° | 3.5   | 10.4  | 19.1   | 29.6  | 40.0   | 43.5  |
| 65°   | 3.5   | 10.4  | 17.4   | 27.8  | 40.0   | 41.7  |



TEST NUMBER: P1310647

CATALOG NUMBER: LDSQA3D20R259035D010 3LSQCA45R 1MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 3.5   | 8.7 | 17.4   | 26.1 | 38.3   | 40.0 |
| 70°   | 5.2   | 8.7 | 15.6   | 26.1 | 36.5   | 38.3 |
| 72.5° | 5.2   | 8.7 | 15.6   | 22.6 | 33.0   | 36.5 |
| 75°   | 5.2   | 8.7 | 13.9   | 20.9 | 31.3   | 33.0 |
| 77.5° | 5.2   | 8.7 | 12.2   | 19.1 | 27.8   | 29.6 |
| 80°   | 7.0   | 8.7 | 10.4   | 15.6 | 24.3   | 26.1 |
| 82.5° | 7.0   | 8.7 | 8.7    | 12.2 | 19.1   | 20.9 |
| 85°   | 5.2   | 7.0 | 7.0    | 8.7  | 12.2   | 13.9 |
| 87.5° | 5.2   | 7.0 | 5.2    | 3.5  | 7.0    | 7.0  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)