

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: P1324059

Luminaire Tested: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

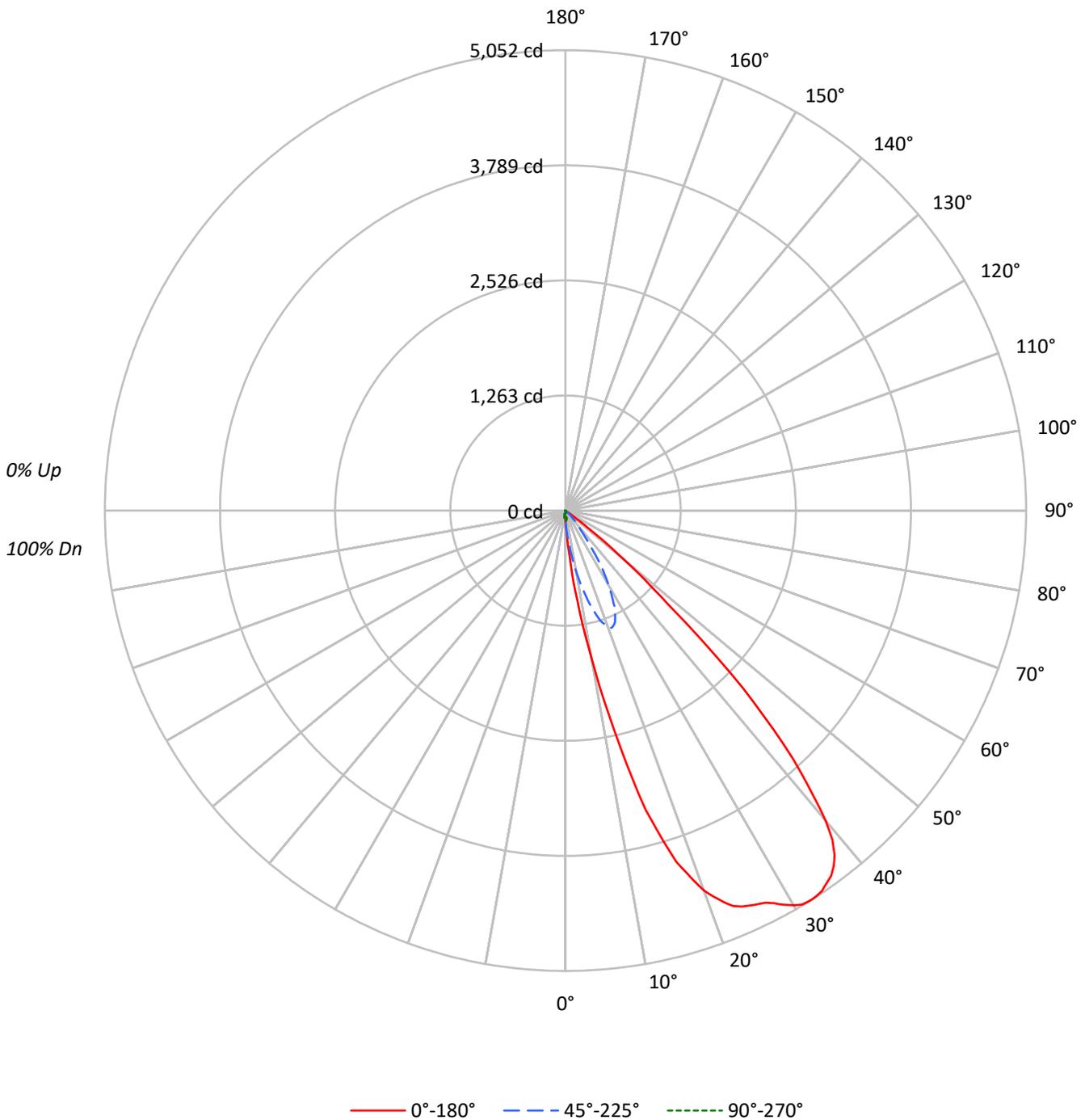
Test Method: LM-79-2019  
Report Number: P1324059  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1509.0 lumens  
Efficiency: N/A  
Efficacy: 55.3 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.3  
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: P1324059  
CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1324059

CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**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 | 102 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 96  | 95  | 93  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 82  | 79  | 76  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 76  | 72  | 69  | 67  |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 70  | 66  | 62  | 61  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 65  | 60  | 56  | 55  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 60  | 55  | 51  | 49  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  | 55  | 50  | 46  | 45  |
| 9   | 66  | 54  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 51  | 46  | 42  | 40  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 42  | 38  | 37  |

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

|     | 0°      | 45°    | 90°   | 135°  | 180°  |
|-----|---------|--------|-------|-------|-------|
| 0°  | 19582   | 19582  | 19582 | 19582 | 19582 |
| 5°  | 85109   | 52763  | 18170 | 6466  | 4478  |
| 10° | 286488  | 119075 | 13588 | 1504  | 507   |
| 15° | 606267  | 195325 | 8469  | 0     | 0     |
| 20° | 812900  | 249585 | 3959  | 0     | 0     |
| 25° | 908498  | 245115 | 817   | 0     | 0     |
| 30° | 994547  | 187809 | 0     | 0     | 0     |
| 35° | 1049648 | 102305 | 0     | 0     | 0     |
| 40° | 997799  | 45953  | 0     | 0     | 0     |
| 45° | 669691  | 20337  | 0     | 0     | 0     |
| 50° | 223722  | 1929   | 0     | 0     | 0     |
| 55° | 12101   | 0      | 0     | 0     | 0     |
| 60° | 0       | 0      | 482   | 0     | 0     |
| 65° | 0       | 0      | 1182  | 0     | 0     |
| 70° | 0       | 705    | 1460  | 0     | 0     |
| 75° | 0       | 932    | 1930  | 0     | 0     |
| 80° | 0       | 1389   | 2876  | 0     | 0     |
| 85° | 0       | 2766   | 5730  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 669691 cd/sqm



TEST NUMBER: P1324059

CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.4   | 1.6       |
| 10°-20°   | 209.4  | 13.9      |
| 20°-30°   | 459.4  | 30.4      |
| 30°-40°   | 531.4  | 35.2      |
| 40°-50°   | 262.3  | 17.4      |
| 50°-60°   | 19.4   | 1.3       |
| 60°-70°   | 0.7    | 0.0       |
| 70°-80°   | 1.1    | 0.1       |
| 80°-90°   | 1.0    | 0.1       |
| 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°    | 693.2  | 45.9      |
| 0°-40°    | 1224.6 | 81.2      |
| 0°-60°    | 1506.3 | 99.8      |
| 0°-90°    | 1509.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1509.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 114  | 114  | 114 | 114  | 114  |      |
| 5°  | 492  | 305  | 105 | 37   | 26   | 85   |
| 15° | 3400 | 1096 | 48  | 0    | 0    | 960  |
| 25° | 4781 | 1290 | 4   | 0    | 0    | 2210 |
| 35° | 4992 | 487  | 0   | 0    | 0    | 3083 |
| 45° | 2750 | 84   | 0   | 0    | 0    | 2018 |
| 55° | 40   | 0    | 0   | 0    | 0    | 165  |
| 65° | 0    | 0    | 3   | 0    | 0    | 0    |
| 75° | 0    | 1    | 3   | 0    | 0    | 0    |
| 85° | 0    | 1    | 3   | 0    | 0    | 0    |
| 90° | 0    | 0    | 0   | 0    | 0    |      |



TEST NUMBER: P1324059  
 CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 45°    | 67.5° | 90°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 113.7  | 113.7  | 113.7  | 113.7  | 113.7  | 113.7  | 113.7  | 113.7  | 113.7  | 113.7 | 113.7 |
| 2.5°  | 226.0  | 231.8  | 228.9  | 228.9  | 227.5  | 220.3  | 207.3  | 203.0  | 187.1  | 148.3 | 115.2 |
| 5°    | 492.3  | 493.8  | 489.5  | 467.9  | 449.2  | 431.9  | 394.4  | 377.2  | 305.2  | 181.4 | 105.1 |
| 7.5°  | 999.1  | 977.5  | 950.1  | 919.9  | 853.7  | 793.2  | 714.0  | 630.5  | 472.2  | 210.2 | 93.6  |
| 10°   | 1638.2 | 1608.0 | 1585.0 | 1513.0 | 1393.5 | 1269.7 | 1118.6 | 981.8  | 680.9  | 230.3 | 77.7  |
| 12.5° | 2463.1 | 2445.9 | 2363.8 | 2219.8 | 2042.8 | 1864.3 | 1600.8 | 1383.4 | 891.1  | 234.7 | 63.3  |
| 15°   | 3400.3 | 3371.5 | 3246.3 | 3041.8 | 2801.4 | 2520.7 | 2168.0 | 1802.4 | 1095.5 | 221.7 | 47.5  |
| 17.5° | 4040.9 | 4025.1 | 3917.1 | 3702.6 | 3426.2 | 3069.2 | 2651.7 | 2195.4 | 1264.0 | 194.3 | 33.1  |
| 20°   | 4435.4 | 4412.3 | 4311.6 | 4130.2 | 3840.8 | 3468.0 | 2972.7 | 2445.9 | 1361.8 | 159.8 | 21.6  |
| 21°   | 4537.6 | 4514.5 | 4433.9 | 4245.3 | 3968.9 | 3568.7 | 3060.6 | 2506.3 | 1380.6 | 144.0 | 17.3  |
| 22°   | 4634.0 | 4611.0 | 4526.1 | 4359.1 | 4085.5 | 3668.1 | 3129.7 | 2552.4 | 1377.7 | 131.0 | 13.0  |
| 23°   | 4714.6 | 4690.2 | 4606.7 | 4452.6 | 4177.7 | 3755.9 | 3181.5 | 2575.4 | 1359.0 | 118.0 | 10.1  |
| 24°   | 4756.4 | 4742.0 | 4667.1 | 4521.7 | 4252.5 | 3817.8 | 3217.5 | 2584.1 | 1335.9 | 105.1 | 7.2   |
| 25°   | 4780.9 | 4763.6 | 4690.2 | 4556.3 | 4301.5 | 3866.7 | 3240.5 | 2576.9 | 1289.9 | 93.6  | 4.3   |
| 26°   | 4806.8 | 4780.9 | 4697.4 | 4567.8 | 4327.4 | 3889.8 | 3241.9 | 2558.1 | 1240.9 | 83.5  | 1.4   |
| 27°   | 4829.8 | 4805.3 | 4719.0 | 4576.4 | 4331.7 | 3882.6 | 3230.4 | 2522.2 | 1181.9 | 73.4  | 1.4   |
| 28°   | 4880.2 | 4852.8 | 4753.5 | 4595.2 | 4336.0 | 3863.8 | 3194.4 | 2473.2 | 1104.2 | 64.8  | 0.0   |
| 29°   | 4946.4 | 4917.6 | 4803.9 | 4639.8 | 4346.1 | 3843.7 | 3145.5 | 2408.4 | 1036.5 | 57.6  | 0.0   |
| 30°   | 5001.1 | 4975.2 | 4870.1 | 4695.9 | 4372.0 | 3825.0 | 3087.9 | 2320.6 | 944.4  | 48.9  | 0.0   |
| 31°   | 5041.4 | 5015.5 | 4919.1 | 4743.4 | 4395.1 | 3807.7 | 3015.9 | 2229.9 | 860.9  | 43.2  | 0.0   |
| 32°   | 5051.5 | 5029.9 | 4939.2 | 4763.6 | 4395.1 | 3781.8 | 2949.7 | 2127.7 | 778.8  | 36.0  | 0.0   |
| 33°   | 5047.2 | 5025.6 | 4933.5 | 4749.2 | 4356.2 | 3719.9 | 2869.1 | 2005.3 | 685.2  | 31.7  | 0.0   |
| 34°   | 5031.3 | 5005.4 | 4907.5 | 4703.1 | 4279.9 | 3614.8 | 2752.5 | 1883.0 | 587.4  | 25.9  | 0.0   |
| 35°   | 4992.5 | 4969.4 | 4862.9 | 4616.7 | 4161.8 | 3455.0 | 2597.0 | 1741.9 | 486.6  | 21.6  | 0.0   |
| 36°   | 4955.1 | 4920.5 | 4789.5 | 4510.2 | 4006.4 | 3290.9 | 2411.3 | 1579.2 | 400.2  | 17.3  | 0.0   |
| 37°   | 4886.0 | 4837.0 | 4704.6 | 4356.2 | 3786.1 | 3059.1 | 2199.7 | 1400.7 | 335.4  | 13.0  | 0.0   |
| 38°   | 4793.8 | 4727.6 | 4559.2 | 4177.7 | 3564.4 | 2841.7 | 2001.0 | 1239.5 | 282.2  | 8.6   | 0.0   |
| 39°   | 4651.3 | 4573.6 | 4344.7 | 3932.9 | 3308.2 | 2589.8 | 1773.6 | 1068.2 | 240.4  | 5.8   | 0.0   |
| 40°   | 4438.2 | 4364.8 | 4111.5 | 3642.1 | 3053.4 | 2312.0 | 1540.4 | 875.3  | 204.4  | 2.9   | 0.0   |
| 42.5° | 3695.4 | 3594.6 | 3301.0 | 2834.5 | 2257.3 | 1662.7 | 1019.2 | 486.6  | 135.3  | 0.0   | 0.0   |
| 45°   | 2749.6 | 2660.4 | 2372.4 | 1947.8 | 1504.4 | 1017.8 | 545.6  | 286.5  | 83.5   | 0.0   | 0.0   |
| 47.5° | 1553.3 | 1543.2 | 1356.1 | 1118.6 | 839.3  | 541.3  | 276.4  | 172.8  | 36.0   | 0.0   | 0.0   |
| 50°   | 835.0  | 783.1  | 675.2  | 512.5  | 349.8  | 236.1  | 149.7  | 95.0   | 7.2    | 0.0   | 0.0   |
| 52.5° | 305.2  | 295.1  | 247.6  | 205.9  | 158.4  | 108.0  | 76.3   | 41.7   | 0.0    | 0.0   | 0.0   |
| 55°   | 40.3   | 37.4   | 38.9   | 41.7   | 43.2   | 37.4   | 24.5   | 8.6    | 0.0    | 0.0   | 0.0   |
| 57.5° | 0.0    | 0.0    | 0.0    | 1.4    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 0.0   | 1.4   |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 1.4   |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 1.4   |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 2.9   |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.9   | 2.9   |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.9   | 2.9   |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.9   | 2.9   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.9   | 2.9   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.9   | 2.9   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.9   | 2.9   |



TEST NUMBER: P1324059

CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.9   | 2.9 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.9   | 2.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.9   | 2.9 |
| 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: P1324059  
 CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 113.7  | 113.7 | 113.7  | 113.7 |
| 2.5°  | 87.8   | 67.7  | 57.6   | 56.1  |
| 5°    | 60.5   | 37.4  | 27.4   | 25.9  |
| 7.5°  | 41.7   | 18.7  | 13.0   | 11.5  |
| 10°   | 24.5   | 8.6   | 4.3    | 2.9   |
| 12.5° | 14.4   | 1.4   | 0.0    | 0.0   |
| 15°   | 4.3    | 0.0   | 0.0    | 0.0   |
| 17.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 20°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 21°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 22°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 23°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 24°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 25°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 26°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 27°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 28°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 29°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 30°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 31°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 32°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 33°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 34°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 35°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 36°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 37°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 38°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 39°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 40°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 42.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 45°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 47.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 50°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 52.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 55°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 57.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 60°   | 0.0    | 0.0   | 0.0    | 0.0   |
| 62.5° | 0.0    | 0.0   | 0.0    | 0.0   |
| 65°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 67.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 70°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 72.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 75°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 77.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 80°   | 1.4    | 0.0   | 0.0    | 0.0   |



TEST NUMBER: P1324059  
CATALOG NUMBER: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.4    | 0.0  | 0.0    | 0.0  |
| 85°   | 1.4    | 0.0  | 0.0    | 0.0  |
| 87.5° | 1.4    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)