

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: P1315601

Luminaire Tested: LDSQA3D13R259735DE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315601
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: LDSQA3D13R259735DE010 3LSQCA45R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

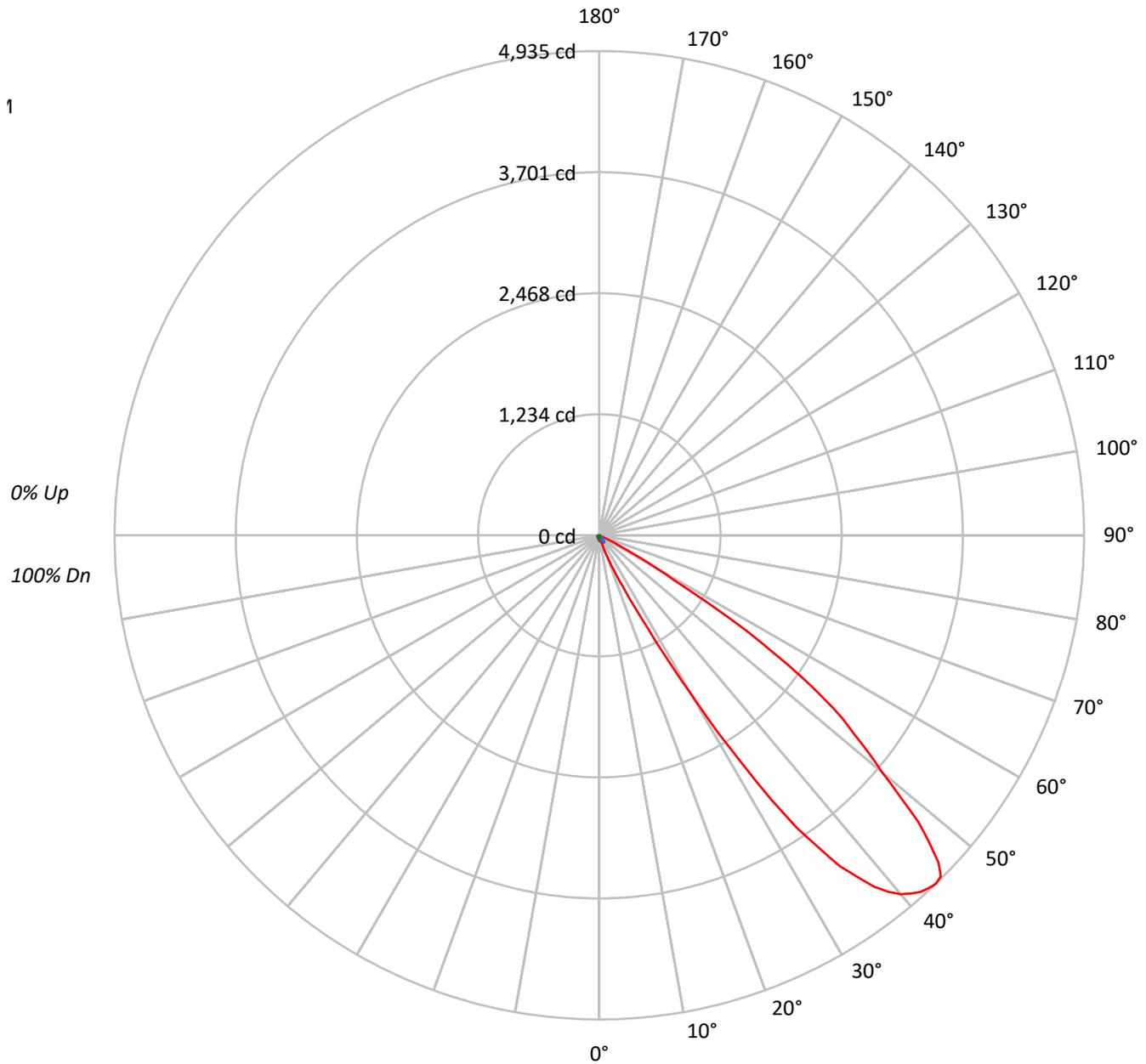
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1028.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1315601
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Luminous Intensity Polar Plot



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



TEST NUMBER: P1315601

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 100 | 100 | 100 |
| 1 | 110 | 106 | 102 | 99 | 108 | 104 | 101 | 97 | 100 | 97 | 94 | 96 | 94 | 92 | 92 | 91 | 89 | 87 | 87 | 87 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 73 | 73 | 73 | 73 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | 61 | 61 | 61 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 51 | 51 | 51 | 51 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 | 42 | 42 | 42 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 39 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 35 | 35 | 35 | 35 |
| 7 | 62 | 48 | 39 | 32 | 60 | 47 | 39 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 29 | 29 | 29 | 29 |
| 8 | 57 | 43 | 34 | 27 | 55 | 42 | 33 | 27 | 40 | 33 | 27 | 39 | 32 | 27 | 38 | 32 | 27 | 25 | 25 | 25 | 25 |
| 9 | 52 | 38 | 29 | 23 | 51 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 27 | 23 | 21 | 21 | 21 | 21 |
| 10 | 48 | 34 | 25 | 20 | 47 | 33 | 25 | 20 | 32 | 25 | 20 | 31 | 24 | 19 | 30 | 24 | 19 | 17 | 17 | 17 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|-------|------|------|-------|
| 0° | 9042 | 9042 | 9042 | 9042 | 9042 |
| 5° | 10338 | 9854 | 8765 | 7831 | 7676 |
| 10° | 10300 | 9339 | 7450 | 6488 | 6488 |
| 15° | 11465 | 8077 | 5813 | 5492 | 5813 |
| 20° | 40486 | 7972 | 4472 | 4655 | 5150 |
| 25° | 116486 | 10147 | 3611 | 4295 | 4998 |
| 30° | 371660 | 15671 | 2884 | 4136 | 5051 |
| 35° | 814048 | 18460 | 2481 | 3995 | 5130 |
| 40° | 1073856 | 16704 | 2046 | 4069 | 5486 |
| 45° | 1197534 | 11691 | 1973 | 4408 | 5943 |
| 50° | 1008036 | 6055 | 1929 | 4608 | 6538 |
| 55° | 753655 | 2432 | 1892 | 5164 | 7326 |
| 60° | 233293 | 620 | 1860 | 5614 | 8094 |
| 65° | 19927 | 0 | 2201 | 5909 | 8843 |
| 70° | 1360 | 453 | 2266 | 6848 | 10021 |
| 75° | 1198 | 599 | 2994 | 7253 | 11445 |
| 80° | 893 | 893 | 4463 | 8034 | 13488 |
| 85° | 1778 | 1778 | 7114 | 8892 | 14227 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1197534 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.7 | 0.5 |
| 10°-20° | 12.1 | 1.2 |
| 20°-30° | 56.9 | 5.5 |
| 30°-40° | 274.1 | 26.6 |
| 40°-50° | 429.6 | 41.8 |
| 50°-60° | 220.2 | 21.4 |
| 60°-70° | 20.8 | 2.0 |
| 70°-80° | 7.0 | 0.7 |
| 80°-90° | 3.5 | 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° | 73.8 | 7.2 |
| 0°-40° | 347.8 | 33.8 |
| 0°-60° | 997.7 | 97.0 |
| 0°-90° | 1028.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1028.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 52 | 52 | 52 | 52 | 52 | |
| 5° | 60 | 57 | 51 | 45 | 44 | 6 |
| 15° | 64 | 45 | 33 | 31 | 33 | 27 |
| 25° | 613 | 53 | 19 | 23 | 26 | 380 |
| 35° | 3872 | 88 | 12 | 19 | 24 | 2350 |
| 45° | 4917 | 48 | 8 | 18 | 24 | 3598 |
| 55° | 2510 | 8 | 6 | 17 | 24 | 2090 |
| 65° | 49 | 0 | 5 | 14 | 22 | 153 |
| 75° | 2 | 1 | 4 | 11 | 17 | 2 |
| 85° | 1 | 1 | 4 | 4 | 7 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315601

CATALOG NUMBER: LDSQA3D13R259735DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 0° | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 2.5° | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 56.1 | 56.1 | 57.0 | 56.1 | 56.1 |
| 5° | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 58.9 | 58.9 | 58.9 | 57.0 |
| 7.5° | 60.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 58.9 | 58.9 | 56.1 |
| 10° | 58.9 | 58.9 | 58.9 | 58.9 | 58.0 | 58.0 | 58.0 | 57.0 | 57.0 | 57.0 | 53.4 |
| 12.5° | 58.9 | 58.9 | 58.9 | 58.9 | 58.0 | 58.0 | 57.0 | 57.0 | 56.1 | 55.2 | 48.9 |
| 15° | 64.3 | 64.3 | 64.3 | 63.4 | 62.5 | 61.6 | 60.7 | 59.8 | 58.9 | 57.0 | 45.3 |
| 17.5° | 94.2 | 91.5 | 90.5 | 86.9 | 82.4 | 77.9 | 74.3 | 70.6 | 67.0 | 64.3 | 43.5 |
| 20° | 220.9 | 220.0 | 215.5 | 204.6 | 192.9 | 179.3 | 165.7 | 150.3 | 128.6 | 114.1 | 43.5 |
| 22.5° | 383.0 | 377.6 | 369.4 | 361.3 | 340.5 | 316.0 | 290.7 | 261.7 | 233.6 | 203.7 | 46.2 |
| 25° | 613.0 | 625.7 | 598.5 | 576.8 | 540.6 | 496.2 | 448.2 | 408.4 | 357.7 | 310.6 | 53.4 |
| 27.5° | 1065.8 | 1073.9 | 1020.5 | 949.9 | 865.7 | 772.4 | 681.8 | 613.9 | 528.8 | 450.9 | 67.0 |
| 30° | 1868.9 | 1877.1 | 1787.4 | 1637.1 | 1463.3 | 1310.3 | 1102.9 | 920.9 | 753.4 | 623.9 | 78.8 |
| 31° | 2332.6 | 2269.2 | 2165.0 | 2019.3 | 1799.2 | 1568.3 | 1319.3 | 1099.3 | 887.4 | 717.2 | 82.4 |
| 32° | 2735.5 | 2730.1 | 2608.7 | 2387.8 | 2166.9 | 1881.6 | 1572.8 | 1285.8 | 1025.9 | 811.3 | 85.1 |
| 33° | 3210.9 | 3174.7 | 3003.5 | 2795.3 | 2502.8 | 2215.7 | 1817.3 | 1489.5 | 1168.1 | 916.4 | 86.9 |
| 34° | 3592.1 | 3494.3 | 3423.7 | 3185.5 | 2876.8 | 2510.9 | 2084.5 | 1705.0 | 1345.6 | 1017.8 | 87.8 |
| 35° | 3871.9 | 3851.1 | 3713.4 | 3491.6 | 3177.4 | 2803.4 | 2372.4 | 1928.7 | 1494.1 | 1135.5 | 87.8 |
| 36° | 4168.0 | 4103.7 | 3969.7 | 3768.7 | 3462.6 | 3076.0 | 2592.4 | 2122.5 | 1667.0 | 1241.4 | 86.9 |
| 37° | 4353.6 | 4315.6 | 4182.5 | 3975.1 | 3675.4 | 3306.0 | 2838.7 | 2327.1 | 1804.7 | 1347.4 | 85.1 |
| 38° | 4544.7 | 4467.7 | 4336.4 | 4138.1 | 3843.8 | 3497.0 | 3017.1 | 2484.7 | 1931.4 | 1440.6 | 82.4 |
| 39° | 4676.9 | 4597.2 | 4463.2 | 4265.8 | 3977.8 | 3633.8 | 3158.4 | 2618.7 | 2041.9 | 1510.4 | 78.8 |
| 40° | 4776.5 | 4699.5 | 4563.7 | 4360.9 | 4076.5 | 3741.5 | 3276.1 | 2737.3 | 2134.3 | 1571.0 | 74.3 |
| 41° | 4838.1 | 4766.5 | 4631.6 | 4429.7 | 4144.5 | 3803.1 | 3353.1 | 2814.3 | 2196.7 | 1611.8 | 69.7 |
| 42° | 4889.7 | 4816.3 | 4678.7 | 4472.2 | 4186.1 | 3855.6 | 3400.1 | 2863.2 | 2239.3 | 1632.6 | 66.1 |
| 43° | 4918.7 | 4845.3 | 4711.3 | 4500.3 | 4211.5 | 3880.0 | 3425.5 | 2885.8 | 2253.8 | 1629.9 | 59.8 |
| 44° | 4935.0 | 4858.9 | 4724.0 | 4513.0 | 4222.3 | 3886.4 | 3427.3 | 2881.3 | 2243.8 | 1608.2 | 54.3 |
| 45° | 4916.8 | 4841.7 | 4711.3 | 4500.3 | 4203.3 | 3866.5 | 3409.2 | 2856.8 | 2205.8 | 1565.6 | 48.0 |
| 46° | 4799.1 | 4741.2 | 4621.7 | 4427.9 | 4143.5 | 3815.8 | 3363.0 | 2809.8 | 2146.9 | 1513.1 | 40.7 |
| 47° | 4591.8 | 4545.6 | 4429.7 | 4285.7 | 4028.6 | 3722.5 | 3277.9 | 2720.1 | 2064.5 | 1434.3 | 32.6 |
| 48° | 4375.4 | 4307.4 | 4199.7 | 4052.1 | 3834.8 | 3555.0 | 3137.5 | 2588.8 | 1939.6 | 1331.1 | 29.0 |
| 49° | 4055.7 | 4015.9 | 3920.8 | 3756.0 | 3575.8 | 3329.5 | 2939.2 | 2420.4 | 1786.5 | 1218.8 | 25.4 |
| 50° | 3762.3 | 3735.2 | 3602.1 | 3480.7 | 3289.7 | 3059.7 | 2670.3 | 2198.5 | 1596.4 | 1079.4 | 22.6 |
| 51° | 3533.2 | 3500.6 | 3404.7 | 3253.4 | 3049.7 | 2782.6 | 2415.9 | 1910.6 | 1378.2 | 913.6 | 18.1 |
| 52° | 3294.2 | 3276.1 | 3191.0 | 3035.2 | 2835.1 | 2568.9 | 2168.7 | 1666.1 | 1166.3 | 772.4 | 14.5 |
| 53° | 3098.6 | 3072.3 | 2968.2 | 2829.7 | 2613.3 | 2338.0 | 1900.6 | 1438.8 | 987.9 | 649.2 | 12.7 |
| 54° | 2813.4 | 2802.5 | 2735.5 | 2590.6 | 2356.1 | 2056.4 | 1658.0 | 1211.6 | 824.0 | 550.5 | 10.9 |
| 55° | 2510.0 | 2473.8 | 2405.9 | 2290.9 | 2075.4 | 1795.6 | 1377.3 | 1004.2 | 666.4 | 463.6 | 8.1 |
| 56° | 2140.6 | 2138.8 | 2017.4 | 1921.5 | 1730.4 | 1433.4 | 1100.2 | 784.2 | 541.5 | 386.6 | 7.2 |
| 57° | 1787.4 | 1730.4 | 1613.6 | 1518.5 | 1313.0 | 1087.5 | 816.8 | 587.7 | 423.8 | 313.3 | 5.4 |
| 58° | 1322.0 | 1292.1 | 1261.4 | 1121.9 | 931.8 | 770.6 | 583.1 | 412.9 | 313.3 | 239.1 | 3.6 |
| 59° | 897.3 | 896.4 | 860.2 | 754.3 | 644.7 | 479.9 | 364.0 | 280.7 | 215.5 | 175.7 | 2.7 |
| 60° | 677.3 | 661.0 | 588.6 | 518.8 | 405.7 | 303.3 | 215.5 | 165.7 | 134.0 | 113.2 | 1.8 |
| 62.5° | 237.2 | 246.3 | 216.4 | 179.3 | 136.7 | 112.3 | 86.0 | 69.7 | 57.0 | 46.2 | 0.0 |
| 65° | 48.9 | 53.4 | 46.2 | 43.5 | 34.4 | 29.9 | 26.3 | 22.6 | 19.0 | 16.3 | 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° | 6.3 | 5.4 | 5.4 | 5.4 | 4.5 | 4.5 | 4.5 | 4.5 | 3.6 | 3.6 | 0.9 |
| 70° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 | 0.9 |
| 72.5° | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.9 | 0.9 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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 | 0.9 | 0.9 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.8 |
| 85° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 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: P1315601

CATALOG NUMBER: LDSQA3D13R259735DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 2.5° | 55.2 | 53.4 | 50.7 | 49.8 | 48.9 | 48.9 |
| 5° | 54.3 | 50.7 | 48.0 | 45.3 | 44.4 | 44.4 |
| 7.5° | 51.6 | 47.1 | 43.5 | 41.7 | 40.7 | 39.8 |
| 10° | 48.9 | 42.6 | 38.9 | 37.1 | 37.1 | 37.1 |
| 12.5° | 43.5 | 38.0 | 34.4 | 33.5 | 34.4 | 34.4 |
| 15° | 38.9 | 32.6 | 30.8 | 30.8 | 31.7 | 32.6 |
| 17.5° | 33.5 | 29.0 | 27.2 | 28.1 | 29.0 | 29.9 |
| 20° | 29.9 | 24.4 | 24.4 | 25.4 | 28.1 | 28.1 |
| 22.5° | 26.3 | 21.7 | 21.7 | 24.4 | 26.3 | 27.2 |
| 25° | 23.5 | 19.0 | 19.9 | 22.6 | 25.4 | 26.3 |
| 27.5° | 19.9 | 16.3 | 18.1 | 21.7 | 24.4 | 25.4 |
| 30° | 17.2 | 14.5 | 17.2 | 20.8 | 23.5 | 25.4 |
| 31° | 16.3 | 13.6 | 17.2 | 19.9 | 23.5 | 25.4 |
| 32° | 14.5 | 13.6 | 16.3 | 19.9 | 23.5 | 24.4 |
| 33° | 13.6 | 12.7 | 16.3 | 19.9 | 23.5 | 24.4 |
| 34° | 12.7 | 11.8 | 15.4 | 19.9 | 23.5 | 24.4 |
| 35° | 10.9 | 11.8 | 15.4 | 19.0 | 22.6 | 24.4 |
| 36° | 10.0 | 10.9 | 15.4 | 19.0 | 22.6 | 24.4 |
| 37° | 9.1 | 10.9 | 14.5 | 19.0 | 22.6 | 24.4 |
| 38° | 8.1 | 10.0 | 14.5 | 19.0 | 22.6 | 24.4 |
| 39° | 7.2 | 10.0 | 13.6 | 19.0 | 22.6 | 24.4 |
| 40° | 6.3 | 9.1 | 13.6 | 18.1 | 22.6 | 24.4 |
| 41° | 6.3 | 9.1 | 13.6 | 18.1 | 22.6 | 24.4 |
| 42° | 5.4 | 9.1 | 13.6 | 18.1 | 22.6 | 24.4 |
| 43° | 4.5 | 8.1 | 13.6 | 18.1 | 22.6 | 24.4 |
| 44° | 3.6 | 8.1 | 12.7 | 18.1 | 22.6 | 24.4 |
| 45° | 3.6 | 8.1 | 12.7 | 18.1 | 22.6 | 24.4 |
| 46° | 2.7 | 7.2 | 12.7 | 18.1 | 22.6 | 24.4 |
| 47° | 1.8 | 7.2 | 12.7 | 17.2 | 22.6 | 24.4 |
| 48° | 1.8 | 7.2 | 12.7 | 17.2 | 22.6 | 24.4 |
| 49° | 1.8 | 7.2 | 11.8 | 17.2 | 22.6 | 24.4 |
| 50° | 1.8 | 7.2 | 11.8 | 17.2 | 22.6 | 24.4 |
| 51° | 0.9 | 6.3 | 11.8 | 17.2 | 22.6 | 24.4 |
| 52° | 0.9 | 6.3 | 11.8 | 17.2 | 22.6 | 25.4 |
| 53° | 0.9 | 6.3 | 11.8 | 17.2 | 22.6 | 24.4 |
| 54° | 0.9 | 6.3 | 10.9 | 17.2 | 22.6 | 24.4 |
| 55° | 0.9 | 6.3 | 10.9 | 17.2 | 22.6 | 24.4 |
| 56° | 0.9 | 5.4 | 10.9 | 16.3 | 22.6 | 24.4 |
| 57° | 1.8 | 5.4 | 10.9 | 16.3 | 22.6 | 23.5 |
| 58° | 1.8 | 5.4 | 10.9 | 16.3 | 21.7 | 23.5 |
| 59° | 1.8 | 5.4 | 10.9 | 16.3 | 21.7 | 23.5 |
| 60° | 1.8 | 5.4 | 10.0 | 16.3 | 21.7 | 23.5 |
| 62.5° | 1.8 | 5.4 | 10.0 | 15.4 | 20.8 | 22.6 |
| 65° | 1.8 | 5.4 | 9.1 | 14.5 | 20.8 | 21.7 |



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CATALOG NUMBER: LDSQA3D13R259735DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.8 | 4.5 | 9.1 | 13.6 | 19.9 | 20.8 |
| 70° | 2.7 | 4.5 | 8.1 | 13.6 | 19.0 | 19.9 |
| 72.5° | 2.7 | 4.5 | 8.1 | 11.8 | 17.2 | 19.0 |
| 75° | 2.7 | 4.5 | 7.2 | 10.9 | 16.3 | 17.2 |
| 77.5° | 2.7 | 4.5 | 6.3 | 10.0 | 14.5 | 15.4 |
| 80° | 3.6 | 4.5 | 5.4 | 8.1 | 12.7 | 13.6 |
| 82.5° | 3.6 | 4.5 | 4.5 | 6.3 | 10.0 | 10.9 |
| 85° | 2.7 | 3.6 | 3.6 | 4.5 | 6.3 | 7.2 |
| 87.5° | 2.7 | 3.6 | 2.7 | 1.8 | 3.6 | 3.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)