

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: P1315902

Luminaire Tested: LDSQA3D20R259735D010 3LSQCA45R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315902
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: LDSQA3D20R259735D010 3LSQCA45R 1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

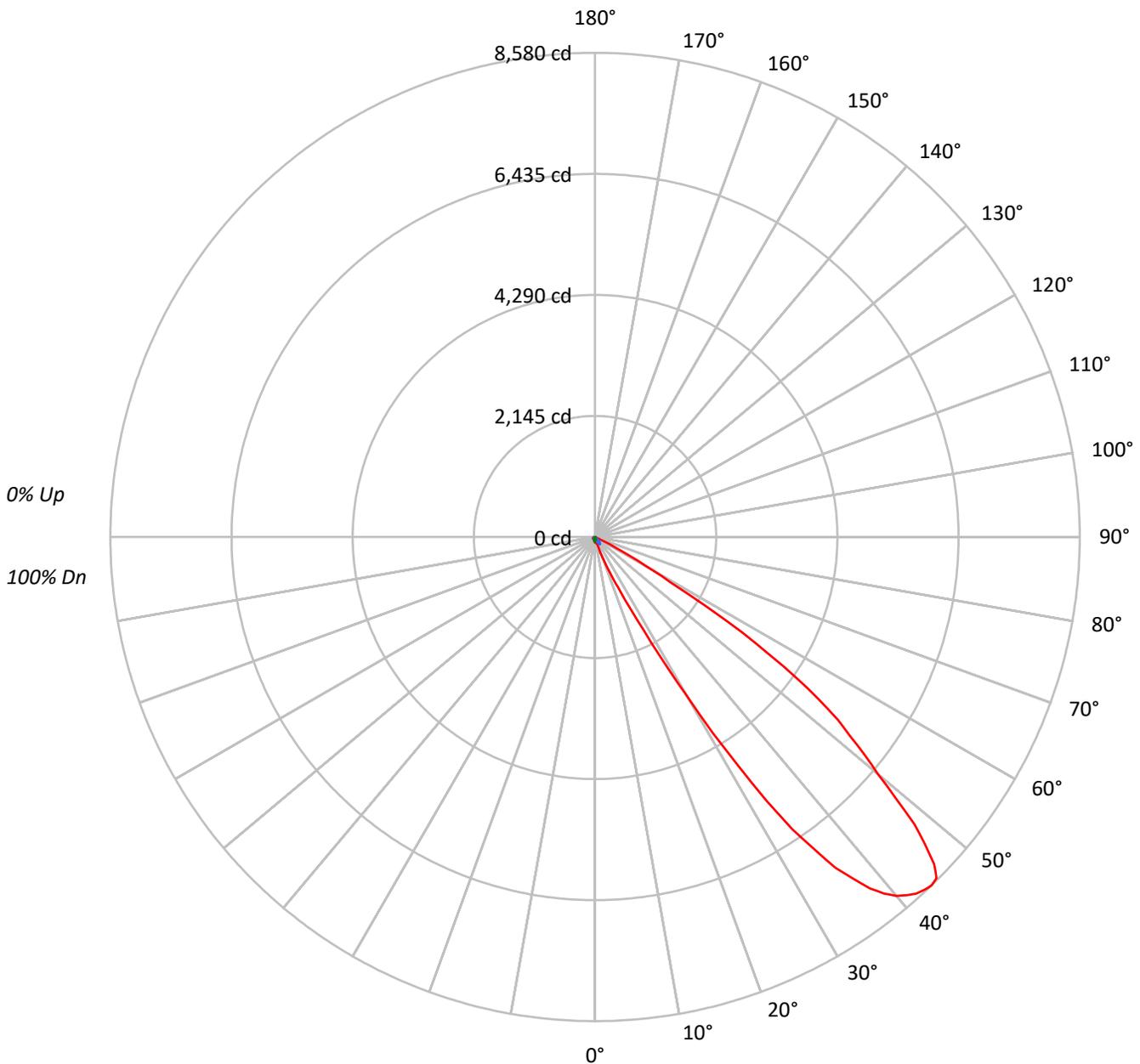
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1789.0 lumens
Efficiency: N/A
Efficacy: 62.1 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): 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: P1315902
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Luminous Intensity Polar Plot



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



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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 | 0 |
| 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° | 15724 | 15724 | 15724 | 15724 | 15724 |
| 5° | 17962 | 17150 | 15248 | 13606 | 13329 |
| 10° | 17890 | 16246 | 12941 | 11280 | 11280 |
| 15° | 19934 | 14032 | 10109 | 9539 | 10109 |
| 20° | 70396 | 13856 | 7789 | 8082 | 8944 |
| 25° | 202530 | 17653 | 6290 | 7487 | 8684 |
| 30° | 646174 | 27245 | 5011 | 7199 | 8770 |
| 35° | 1415285 | 32104 | 4310 | 6959 | 8935 |
| 40° | 1866978 | 29024 | 3530 | 7082 | 9555 |
| 45° | 2082020 | 20313 | 3459 | 7672 | 10351 |
| 50° | 1752563 | 10556 | 3376 | 8011 | 11387 |
| 55° | 1310309 | 4264 | 3303 | 8978 | 12761 |
| 60° | 405619 | 1068 | 3238 | 9748 | 14088 |
| 65° | 34639 | 0 | 3831 | 10269 | 15404 |
| 70° | 2367 | 806 | 3978 | 11884 | 17423 |
| 75° | 2063 | 1065 | 5257 | 12576 | 19896 |
| 80° | 1587 | 1587 | 7835 | 14083 | 23406 |
| 85° | 3162 | 3162 | 12449 | 15611 | 24898 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2082020 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.2 | 0.5 |
| 10°-20° | 21.1 | 1.2 |
| 20°-30° | 99.0 | 5.5 |
| 30°-40° | 476.5 | 26.6 |
| 40°-50° | 746.9 | 41.8 |
| 50°-60° | 382.9 | 21.4 |
| 60°-70° | 36.1 | 2.0 |
| 70°-80° | 12.2 | 0.7 |
| 80°-90° | 6.1 | 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° | 128.2 | 7.2 |
| 0°-40° | 604.8 | 33.8 |
| 0°-60° | 1734.6 | 97.0 |
| 0°-90° | 1789.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1789.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 91 | 91 | 91 | 91 | 91 | |
| 5° | 104 | 99 | 88 | 79 | 77 | 10 |
| 15° | 112 | 79 | 57 | 54 | 57 | 47 |
| 25° | 1066 | 93 | 33 | 39 | 46 | 661 |
| 35° | 6732 | 153 | 20 | 33 | 42 | 4086 |
| 45° | 8548 | 83 | 14 | 32 | 42 | 6255 |
| 55° | 4364 | 14 | 11 | 30 | 42 | 3633 |
| 65° | 85 | 0 | 9 | 25 | 38 | 266 |
| 75° | 3 | 2 | 8 | 19 | 30 | 4 |
| 85° | 2 | 2 | 6 | 8 | 13 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315902

CATALOG NUMBER: LDSQA3D20R259735D010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 2.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 97.6 | 97.6 | 99.2 | 97.6 | 97.6 |
| 5° | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 102.3 | 102.3 | 102.3 | 99.2 |
| 7.5° | 105.5 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 102.3 | 102.3 | 97.6 |
| 10° | 102.3 | 102.3 | 102.3 | 102.3 | 100.8 | 100.8 | 100.8 | 99.2 | 99.2 | 99.2 | 92.9 |
| 12.5° | 102.3 | 102.3 | 102.3 | 102.3 | 100.8 | 100.8 | 99.2 | 99.2 | 97.6 | 96.0 | 85.0 |
| 15° | 111.8 | 111.8 | 111.8 | 110.2 | 108.6 | 107.1 | 105.5 | 103.9 | 102.3 | 99.2 | 78.7 |
| 17.5° | 163.7 | 159.0 | 157.4 | 151.1 | 143.3 | 135.4 | 129.1 | 122.8 | 116.5 | 111.8 | 75.6 |
| 20° | 384.1 | 382.5 | 374.7 | 355.8 | 335.3 | 311.7 | 288.1 | 261.3 | 223.5 | 198.4 | 75.6 |
| 22.5° | 665.9 | 656.5 | 642.3 | 628.1 | 591.9 | 549.4 | 505.3 | 455.0 | 406.2 | 354.2 | 80.3 |
| 25° | 1065.8 | 1087.8 | 1040.6 | 1002.8 | 939.8 | 862.7 | 779.3 | 710.0 | 621.8 | 540.0 | 92.9 |
| 27.5° | 1852.9 | 1867.1 | 1774.2 | 1651.4 | 1505.0 | 1342.9 | 1185.4 | 1067.4 | 919.4 | 784.0 | 116.5 |
| 30° | 3249.3 | 3263.5 | 3107.6 | 2846.3 | 2544.0 | 2278.0 | 1917.5 | 1601.0 | 1309.8 | 1084.7 | 137.0 |
| 31° | 4055.3 | 3945.1 | 3764.1 | 3510.6 | 3128.1 | 2726.6 | 2293.7 | 1911.2 | 1542.8 | 1246.8 | 143.3 |
| 32° | 4755.9 | 4746.4 | 4535.5 | 4151.4 | 3767.2 | 3271.3 | 2734.5 | 2235.5 | 1783.7 | 1410.6 | 148.0 |
| 33° | 5582.4 | 5519.4 | 5221.9 | 4859.8 | 4351.3 | 3852.3 | 3159.6 | 2589.7 | 2030.8 | 1593.2 | 151.1 |
| 34° | 6245.2 | 6075.1 | 5952.3 | 5538.3 | 5001.5 | 4365.5 | 3624.0 | 2964.4 | 2339.4 | 1769.5 | 152.7 |
| 35° | 6731.6 | 6695.4 | 6456.1 | 6070.4 | 5524.1 | 4874.0 | 4124.6 | 3353.2 | 2597.6 | 1974.1 | 152.7 |
| 36° | 7246.4 | 7134.6 | 6901.6 | 6552.1 | 6020.0 | 5347.8 | 4507.2 | 3690.1 | 2898.2 | 2158.3 | 151.1 |
| 37° | 7569.1 | 7503.0 | 7271.6 | 6911.1 | 6390.0 | 5747.7 | 4935.4 | 4045.9 | 3137.5 | 2342.5 | 148.0 |
| 38° | 7901.3 | 7767.5 | 7539.2 | 7194.5 | 6682.8 | 6079.9 | 5245.5 | 4319.8 | 3357.9 | 2504.7 | 143.3 |
| 39° | 8131.1 | 7992.6 | 7759.6 | 7416.4 | 6915.8 | 6317.6 | 5491.1 | 4552.8 | 3550.0 | 2625.9 | 137.0 |
| 40° | 8304.3 | 8170.5 | 7934.4 | 7581.7 | 7087.4 | 6504.9 | 5695.7 | 4759.0 | 3710.6 | 2731.4 | 129.1 |
| 41° | 8411.4 | 8287.0 | 8052.4 | 7701.4 | 7205.5 | 6612.0 | 5829.6 | 4892.9 | 3819.2 | 2802.2 | 121.2 |
| 42° | 8501.1 | 8373.6 | 8134.3 | 7775.4 | 7277.9 | 6703.3 | 5911.4 | 4977.9 | 3893.2 | 2838.4 | 114.9 |
| 43° | 8551.5 | 8424.0 | 8191.0 | 7824.2 | 7322.0 | 6745.8 | 5955.5 | 5017.2 | 3918.4 | 2833.7 | 103.9 |
| 44° | 8579.8 | 8447.6 | 8213.0 | 7846.2 | 7340.9 | 6756.8 | 5958.6 | 5009.4 | 3901.1 | 2795.9 | 94.5 |
| 45° | 8548.3 | 8417.7 | 8191.0 | 7824.2 | 7307.8 | 6722.2 | 5927.2 | 4966.8 | 3834.9 | 2721.9 | 83.4 |
| 46° | 8343.7 | 8242.9 | 8035.1 | 7698.2 | 7203.9 | 6634.0 | 5846.9 | 4885.0 | 3732.6 | 2630.6 | 70.8 |
| 47° | 7983.2 | 7902.9 | 7701.4 | 7451.1 | 7004.0 | 6471.9 | 5698.9 | 4729.1 | 3589.4 | 2493.7 | 56.7 |
| 48° | 7606.9 | 7488.8 | 7301.5 | 7044.9 | 6667.1 | 6180.6 | 5454.9 | 4500.9 | 3372.1 | 2314.2 | 50.4 |
| 49° | 7051.2 | 6981.9 | 6816.6 | 6530.1 | 6216.8 | 5788.6 | 5110.1 | 4208.0 | 3106.1 | 2119.0 | 44.1 |
| 50° | 6541.1 | 6493.9 | 6262.5 | 6051.5 | 5719.4 | 5319.5 | 4642.5 | 3822.3 | 2775.5 | 1876.5 | 39.4 |
| 51° | 6142.8 | 6086.2 | 5919.3 | 5656.4 | 5302.2 | 4837.8 | 4200.2 | 3321.7 | 2396.1 | 1588.4 | 31.5 |
| 52° | 5727.2 | 5695.7 | 5547.8 | 5277.0 | 4929.1 | 4466.2 | 3770.4 | 2896.7 | 2027.7 | 1342.9 | 25.2 |
| 53° | 5387.2 | 5341.5 | 5160.5 | 4919.6 | 4543.4 | 4064.8 | 3304.4 | 2501.5 | 1717.5 | 1128.8 | 22.0 |
| 54° | 4891.3 | 4872.4 | 4755.9 | 4504.0 | 4096.3 | 3575.2 | 2882.5 | 2106.4 | 1432.6 | 957.2 | 18.9 |
| 55° | 4363.9 | 4300.9 | 4182.9 | 3982.9 | 3608.2 | 3121.8 | 2394.5 | 1745.9 | 1158.7 | 806.0 | 14.2 |
| 56° | 3721.6 | 3718.4 | 3507.5 | 3340.6 | 3008.4 | 2492.1 | 1912.7 | 1363.3 | 941.4 | 672.2 | 12.6 |
| 57° | 3107.6 | 3008.4 | 2805.4 | 2640.1 | 2282.7 | 1890.7 | 1420.0 | 1021.7 | 736.8 | 544.7 | 9.4 |
| 58° | 2298.4 | 2246.5 | 2193.0 | 1950.5 | 1619.9 | 1339.7 | 1013.8 | 717.9 | 544.7 | 415.6 | 6.3 |
| 59° | 1560.1 | 1558.5 | 1495.6 | 1311.4 | 1120.9 | 834.4 | 632.9 | 488.0 | 374.7 | 305.4 | 4.7 |
| 60° | 1177.6 | 1149.2 | 1023.3 | 902.1 | 705.3 | 527.4 | 374.7 | 288.1 | 233.0 | 196.8 | 3.1 |
| 62.5° | 412.5 | 428.2 | 376.3 | 311.7 | 237.7 | 195.2 | 149.6 | 121.2 | 99.2 | 80.3 | 0.0 |
| 65° | 85.0 | 92.9 | 80.3 | 75.6 | 59.8 | 52.0 | 45.7 | 39.4 | 33.1 | 28.3 | 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° | 11.0 | 9.4 | 9.4 | 9.4 | 7.9 | 7.9 | 7.9 | 7.9 | 6.3 | 6.3 | 1.6 |
| 70° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 |
| 72.5° | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 | 1.6 |
| 75° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 3.1 |
| 85° | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 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: P1315902

CATALOG NUMBER: LDSQA3D20R259735D010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 2.5° | 96.0 | 92.9 | 88.2 | 86.6 | 85.0 | 85.0 |
| 5° | 94.5 | 88.2 | 83.4 | 78.7 | 77.1 | 77.1 |
| 7.5° | 89.7 | 81.9 | 75.6 | 72.4 | 70.8 | 69.3 |
| 10° | 85.0 | 74.0 | 67.7 | 64.5 | 64.5 | 64.5 |
| 12.5° | 75.6 | 66.1 | 59.8 | 58.2 | 59.8 | 59.8 |
| 15° | 67.7 | 56.7 | 53.5 | 53.5 | 55.1 | 56.7 |
| 17.5° | 58.2 | 50.4 | 47.2 | 48.8 | 50.4 | 52.0 |
| 20° | 52.0 | 42.5 | 42.5 | 44.1 | 48.8 | 48.8 |
| 22.5° | 45.7 | 37.8 | 37.8 | 42.5 | 45.7 | 47.2 |
| 25° | 40.9 | 33.1 | 34.6 | 39.4 | 44.1 | 45.7 |
| 27.5° | 34.6 | 28.3 | 31.5 | 37.8 | 42.5 | 44.1 |
| 30° | 29.9 | 25.2 | 29.9 | 36.2 | 40.9 | 44.1 |
| 31° | 28.3 | 23.6 | 29.9 | 34.6 | 40.9 | 44.1 |
| 32° | 25.2 | 23.6 | 28.3 | 34.6 | 40.9 | 42.5 |
| 33° | 23.6 | 22.0 | 28.3 | 34.6 | 40.9 | 42.5 |
| 34° | 22.0 | 20.5 | 26.8 | 34.6 | 40.9 | 42.5 |
| 35° | 18.9 | 20.5 | 26.8 | 33.1 | 39.4 | 42.5 |
| 36° | 17.3 | 18.9 | 26.8 | 33.1 | 39.4 | 42.5 |
| 37° | 15.7 | 18.9 | 25.2 | 33.1 | 39.4 | 42.5 |
| 38° | 14.2 | 17.3 | 25.2 | 33.1 | 39.4 | 42.5 |
| 39° | 12.6 | 17.3 | 23.6 | 33.1 | 39.4 | 42.5 |
| 40° | 11.0 | 15.7 | 23.6 | 31.5 | 39.4 | 42.5 |
| 41° | 11.0 | 15.7 | 23.6 | 31.5 | 39.4 | 42.5 |
| 42° | 9.4 | 15.7 | 23.6 | 31.5 | 39.4 | 42.5 |
| 43° | 7.9 | 14.2 | 23.6 | 31.5 | 39.4 | 42.5 |
| 44° | 6.3 | 14.2 | 22.0 | 31.5 | 39.4 | 42.5 |
| 45° | 6.3 | 14.2 | 22.0 | 31.5 | 39.4 | 42.5 |
| 46° | 4.7 | 12.6 | 22.0 | 31.5 | 39.4 | 42.5 |
| 47° | 3.1 | 12.6 | 22.0 | 29.9 | 39.4 | 42.5 |
| 48° | 3.1 | 12.6 | 22.0 | 29.9 | 39.4 | 42.5 |
| 49° | 3.1 | 12.6 | 20.5 | 29.9 | 39.4 | 42.5 |
| 50° | 3.1 | 12.6 | 20.5 | 29.9 | 39.4 | 42.5 |
| 51° | 1.6 | 11.0 | 20.5 | 29.9 | 39.4 | 42.5 |
| 52° | 1.6 | 11.0 | 20.5 | 29.9 | 39.4 | 44.1 |
| 53° | 1.6 | 11.0 | 20.5 | 29.9 | 39.4 | 42.5 |
| 54° | 1.6 | 11.0 | 18.9 | 29.9 | 39.4 | 42.5 |
| 55° | 1.6 | 11.0 | 18.9 | 29.9 | 39.4 | 42.5 |
| 56° | 1.6 | 9.4 | 18.9 | 28.3 | 39.4 | 42.5 |
| 57° | 3.1 | 9.4 | 18.9 | 28.3 | 39.4 | 40.9 |
| 58° | 3.1 | 9.4 | 18.9 | 28.3 | 37.8 | 40.9 |
| 59° | 3.1 | 9.4 | 18.9 | 28.3 | 37.8 | 40.9 |
| 60° | 3.1 | 9.4 | 17.3 | 28.3 | 37.8 | 40.9 |
| 62.5° | 3.1 | 9.4 | 17.3 | 26.8 | 36.2 | 39.4 |
| 65° | 3.1 | 9.4 | 15.7 | 25.2 | 36.2 | 37.8 |



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CATALOG NUMBER: LDSQA3D20R259735D010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 3.1 | 7.9 | 15.7 | 23.6 | 34.6 | 36.2 |
| 70° | 4.7 | 7.9 | 14.2 | 23.6 | 33.1 | 34.6 |
| 72.5° | 4.7 | 7.9 | 14.2 | 20.5 | 29.9 | 33.1 |
| 75° | 4.7 | 7.9 | 12.6 | 18.9 | 28.3 | 29.9 |
| 77.5° | 4.7 | 7.9 | 11.0 | 17.3 | 25.2 | 26.8 |
| 80° | 6.3 | 7.9 | 9.4 | 14.2 | 22.0 | 23.6 |
| 82.5° | 6.3 | 7.9 | 7.9 | 11.0 | 17.3 | 18.9 |
| 85° | 4.7 | 6.3 | 6.3 | 7.9 | 11.0 | 12.6 |
| 87.5° | 4.7 | 6.3 | 4.7 | 3.1 | 6.3 | 6.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)