

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: P1313624

Luminaire Tested: LDSQA3D13R159727DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313624
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: LDSQA3D13R159727DE010 3LSQCA45R 1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

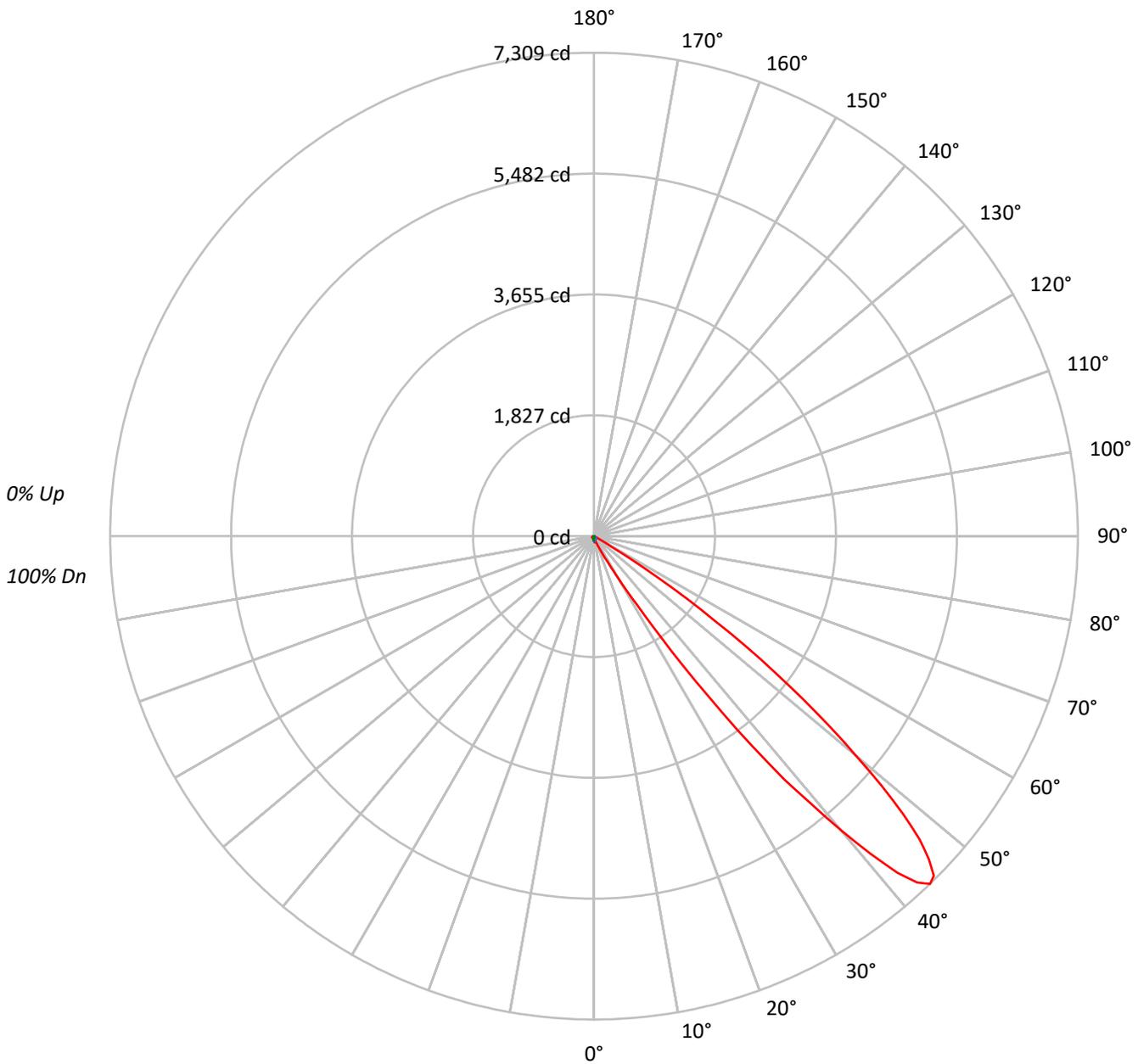
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 55.9 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1313624
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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 | 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 | 110 | 106 | 102 | 99 | 107 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 89 | 89 | 89 | 87 |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 75 | 75 | 75 | 73 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 53 | 53 | 53 | 50 |
| 5 | 75 | 62 | 52 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 44 | 44 | 44 | 42 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 37 | 37 | 37 | 35 |
| 7 | 62 | 47 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 31 | 31 | 31 | 29 |
| 8 | 56 | 42 | 33 | 27 | 55 | 41 | 33 | 27 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 26 | 26 | 26 | 26 | 24 |
| 9 | 52 | 37 | 28 | 22 | 50 | 37 | 28 | 22 | 35 | 28 | 22 | 34 | 27 | 22 | 33 | 27 | 22 | 22 | 22 | 22 | 20 |
| 10 | 48 | 33 | 25 | 19 | 46 | 33 | 25 | 19 | 32 | 24 | 19 | 31 | 24 | 19 | 30 | 23 | 19 | 19 | 19 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|-------|-------|-------|-------|
| 0° | 12469 | 12469 | 12469 | 12469 | 12469 |
| 5° | 15473 | 13779 | 11255 | 9854 | 9699 |
| 10° | 15232 | 11804 | 8674 | 7677 | 7817 |
| 15° | 12623 | 8416 | 6240 | 6383 | 6811 |
| 20° | 21920 | 6708 | 4765 | 5517 | 6268 |
| 25° | 48856 | 8038 | 3858 | 5093 | 5872 |
| 30° | 146107 | 9864 | 3401 | 5011 | 6145 |
| 35° | 562447 | 11122 | 3070 | 5130 | 6497 |
| 40° | 1305511 | 9690 | 2923 | 5306 | 6947 |
| 45° | 1768243 | 7331 | 2582 | 5748 | 7526 |
| 50° | 1386462 | 4367 | 2626 | 6109 | 8279 |
| 55° | 665468 | 1952 | 2432 | 6606 | 9038 |
| 60° | 60829 | 276 | 2239 | 6992 | 10092 |
| 65° | 6642 | 0 | 1997 | 7294 | 10921 |
| 70° | 1662 | 0 | 2467 | 7805 | 11884 |
| 75° | 1597 | 532 | 3261 | 8650 | 13508 |
| 80° | 1587 | 1587 | 4066 | 8827 | 14480 |
| 85° | 1581 | 1581 | 6521 | 8102 | 16006 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1768243 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.2 | 0.8 |
| 10°-20° | 12.9 | 1.6 |
| 20°-30° | 30.8 | 3.8 |
| 30°-40° | 168.8 | 20.7 |
| 40°-50° | 408.7 | 50.1 |
| 50°-60° | 163.1 | 20.0 |
| 60°-70° | 14.1 | 1.7 |
| 70°-80° | 7.9 | 1.0 |
| 80°-90° | 3.5 | 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° | 49.9 | 6.1 |
| 0°-40° | 218.7 | 26.8 |
| 0°-60° | 790.4 | 96.9 |
| 0°-90° | 816.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 816.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 72 | 72 | 72 | 72 | 72 | |
| 5° | 90 | 80 | 65 | 57 | 56 | 8 |
| 15° | 71 | 47 | 35 | 36 | 38 | 25 |
| 25° | 257 | 42 | 20 | 27 | 31 | 155 |
| 35° | 2675 | 53 | 15 | 24 | 31 | 1890 |
| 45° | 7260 | 30 | 11 | 24 | 31 | 5121 |
| 55° | 2216 | 6 | 8 | 22 | 30 | 2065 |
| 65° | 16 | 0 | 5 | 18 | 27 | 42 |
| 75° | 2 | 1 | 5 | 13 | 20 | 2 |
| 85° | 1 | 1 | 3 | 4 | 8 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313624

CATALOG NUMBER: LDSQA3D13R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0° | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 2.5° | 81.4 | 81.4 | 82.2 | 81.4 | 81.4 | 81.4 | 81.4 | 80.5 | 80.5 | 80.5 | 78.1 |
| 5° | 89.5 | 89.5 | 89.5 | 89.5 | 88.7 | 88.7 | 88.7 | 87.9 | 87.9 | 87.1 | 79.7 |
| 7.5° | 92.8 | 92.8 | 91.9 | 91.9 | 91.1 | 91.1 | 90.3 | 89.5 | 88.7 | 87.9 | 76.5 |
| 10° | 87.1 | 87.1 | 87.1 | 86.2 | 86.2 | 85.4 | 84.6 | 83.8 | 83.0 | 81.4 | 67.5 |
| 12.5° | 77.3 | 77.3 | 78.1 | 77.3 | 76.5 | 75.7 | 74.0 | 73.2 | 72.4 | 70.8 | 56.1 |
| 15° | 70.8 | 70.8 | 70.8 | 70.0 | 69.2 | 67.5 | 66.7 | 65.1 | 64.3 | 61.8 | 47.2 |
| 17.5° | 90.3 | 90.3 | 89.5 | 87.9 | 84.6 | 82.2 | 78.1 | 74.9 | 70.8 | 65.9 | 40.7 |
| 20° | 119.6 | 119.6 | 118.0 | 116.3 | 112.3 | 108.2 | 101.7 | 96.0 | 89.5 | 83.8 | 36.6 |
| 22.5° | 173.3 | 175.7 | 170.9 | 165.2 | 159.5 | 149.7 | 140.8 | 131.8 | 120.4 | 110.7 | 37.4 |
| 25° | 257.1 | 259.5 | 257.1 | 244.1 | 233.5 | 220.5 | 203.4 | 185.5 | 166.0 | 148.1 | 42.3 |
| 27.5° | 416.6 | 418.2 | 414.1 | 382.4 | 365.3 | 331.1 | 301.0 | 271.8 | 239.2 | 206.7 | 46.4 |
| 30° | 734.7 | 735.5 | 709.5 | 646.0 | 589.9 | 515.0 | 451.6 | 390.5 | 339.3 | 287.2 | 49.6 |
| 31° | 967.4 | 944.6 | 889.3 | 812.8 | 723.3 | 622.4 | 535.4 | 456.4 | 380.0 | 323.8 | 50.4 |
| 32° | 1228.6 | 1225.3 | 1133.4 | 1000.8 | 881.2 | 755.0 | 624.1 | 523.2 | 435.3 | 358.8 | 51.3 |
| 33° | 1574.4 | 1576.0 | 1431.2 | 1275.0 | 1078.9 | 909.6 | 738.0 | 599.6 | 493.9 | 400.3 | 52.9 |
| 34° | 2114.6 | 1987.7 | 1817.6 | 1606.1 | 1339.2 | 1084.6 | 861.6 | 688.3 | 546.8 | 440.2 | 52.9 |
| 35° | 2675.2 | 2547.5 | 2360.3 | 2039.8 | 1673.6 | 1317.3 | 1008.9 | 783.5 | 610.2 | 483.3 | 52.9 |
| 36° | 3303.3 | 3195.1 | 2912.0 | 2502.7 | 2035.7 | 1536.9 | 1165.1 | 893.4 | 672.9 | 522.3 | 52.1 |
| 37° | 3981.9 | 3823.2 | 3509.2 | 3062.5 | 2437.6 | 1846.1 | 1355.5 | 1002.4 | 735.5 | 564.7 | 50.4 |
| 38° | 4671.0 | 4527.8 | 4131.6 | 3590.5 | 2917.7 | 2172.4 | 1545.9 | 1107.3 | 793.3 | 596.4 | 48.0 |
| 39° | 5193.4 | 5115.3 | 4722.3 | 4117.8 | 3300.9 | 2481.6 | 1742.0 | 1219.6 | 854.3 | 628.1 | 45.6 |
| 40° | 5806.9 | 5680.8 | 5308.1 | 4560.4 | 3754.1 | 2796.4 | 1934.0 | 1318.9 | 904.8 | 653.3 | 43.1 |
| 41° | 6366.6 | 6207.2 | 5736.9 | 5014.4 | 4117.0 | 3079.6 | 2116.2 | 1421.4 | 945.4 | 668.0 | 41.5 |
| 42° | 6846.7 | 6661.2 | 6169.7 | 5403.3 | 4420.4 | 3305.8 | 2261.9 | 1494.6 | 983.7 | 680.2 | 39.1 |
| 43° | 7157.5 | 6997.2 | 6513.9 | 5695.4 | 4680.0 | 3513.2 | 2397.8 | 1571.1 | 1007.3 | 688.3 | 35.8 |
| 44° | 7308.8 | 7146.9 | 6679.1 | 5878.5 | 4839.5 | 3637.7 | 2485.6 | 1624.0 | 1033.3 | 698.9 | 33.4 |
| 45° | 7260.0 | 7095.7 | 6643.3 | 5881.7 | 4889.1 | 3682.5 | 2523.1 | 1647.6 | 1047.1 | 708.7 | 30.1 |
| 46° | 7036.3 | 6920.7 | 6465.1 | 5728.8 | 4794.7 | 3634.5 | 2501.9 | 1629.7 | 1042.3 | 708.7 | 26.8 |
| 47° | 6722.2 | 6590.4 | 6156.7 | 5466.0 | 4566.1 | 3510.8 | 2416.5 | 1575.2 | 1012.2 | 692.4 | 23.6 |
| 48° | 6294.2 | 6182.0 | 5726.3 | 5048.6 | 4215.4 | 3241.5 | 2223.6 | 1486.5 | 965.0 | 660.7 | 20.3 |
| 49° | 5757.2 | 5601.0 | 5177.1 | 4514.8 | 3758.2 | 2859.1 | 1970.6 | 1336.8 | 889.3 | 615.9 | 17.9 |
| 50° | 5174.7 | 4981.8 | 4654.8 | 3980.3 | 3285.4 | 2451.5 | 1637.8 | 1130.1 | 782.7 | 557.3 | 16.3 |
| 51° | 4604.3 | 4408.2 | 4096.6 | 3523.0 | 2781.0 | 2034.1 | 1321.3 | 902.3 | 644.4 | 476.8 | 13.8 |
| 52° | 4012.8 | 3848.5 | 3499.4 | 3048.7 | 2380.7 | 1648.4 | 1100.8 | 763.2 | 535.4 | 400.3 | 11.4 |
| 53° | 3423.7 | 3311.5 | 2979.5 | 2523.1 | 1912.8 | 1346.6 | 899.1 | 653.3 | 467.0 | 342.5 | 8.9 |
| 54° | 2833.9 | 2711.0 | 2458.8 | 2052.0 | 1541.8 | 1062.6 | 762.4 | 546.8 | 405.2 | 298.6 | 8.1 |
| 55° | 2216.3 | 2152.9 | 1920.2 | 1564.6 | 1168.4 | 847.8 | 618.4 | 470.3 | 339.3 | 249.8 | 6.5 |
| 56° | 1707.0 | 1635.4 | 1423.0 | 1135.0 | 868.1 | 663.9 | 500.4 | 384.0 | 287.2 | 209.1 | 4.9 |
| 57° | 1117.9 | 1044.7 | 903.9 | 792.5 | 632.2 | 484.1 | 382.4 | 302.7 | 233.5 | 173.3 | 4.1 |
| 58° | 660.7 | 593.9 | 572.0 | 488.2 | 421.5 | 328.7 | 282.3 | 225.4 | 172.5 | 136.7 | 2.4 |
| 59° | 303.5 | 308.4 | 274.2 | 257.1 | 233.5 | 209.1 | 171.7 | 150.5 | 118.0 | 98.4 | 1.6 |
| 60° | 176.6 | 166.8 | 162.7 | 145.6 | 129.4 | 114.7 | 103.3 | 91.1 | 74.0 | 63.5 | 0.8 |
| 62.5° | 60.2 | 57.8 | 59.4 | 53.7 | 50.4 | 48.8 | 44.7 | 38.2 | 31.7 | 26.0 | 0.0 |
| 65° | 16.3 | 16.3 | 15.5 | 14.6 | 13.8 | 13.0 | 12.2 | 10.6 | 9.8 | 8.1 | 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° | 5.7 | 5.7 | 4.9 | 4.9 | 4.1 | 4.1 | 3.3 | 3.3 | 2.4 | 2.4 | 0.0 |
| 70° | 3.3 | 3.3 | 3.3 | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 | 0.8 | 0.0 |
| 72.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 |
| 75° | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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 | 0.8 | 1.6 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 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: P1313624

CATALOG NUMBER: LDSQA3D13R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 2.5° | 74.9 | 71.6 | 67.5 | 65.1 | 64.3 | 63.5 |
| 5° | 71.6 | 65.1 | 60.2 | 57.0 | 56.1 | 56.1 |
| 7.5° | 64.3 | 57.0 | 52.1 | 50.4 | 49.6 | 49.6 |
| 10° | 56.1 | 49.6 | 45.6 | 43.9 | 44.7 | 44.7 |
| 12.5° | 47.2 | 41.5 | 39.9 | 39.9 | 40.7 | 41.5 |
| 15° | 38.2 | 35.0 | 35.0 | 35.8 | 37.4 | 38.2 |
| 17.5° | 31.7 | 30.1 | 30.9 | 32.5 | 34.2 | 35.8 |
| 20° | 26.0 | 26.0 | 27.7 | 30.1 | 32.5 | 34.2 |
| 22.5° | 22.0 | 22.8 | 25.2 | 27.7 | 30.9 | 32.5 |
| 25° | 18.7 | 20.3 | 22.8 | 26.8 | 30.1 | 30.9 |
| 27.5° | 16.3 | 18.7 | 22.0 | 26.0 | 29.3 | 30.9 |
| 30° | 13.8 | 17.1 | 21.2 | 25.2 | 29.3 | 30.9 |
| 31° | 13.0 | 16.3 | 20.3 | 25.2 | 29.3 | 30.9 |
| 32° | 12.2 | 16.3 | 20.3 | 25.2 | 29.3 | 30.9 |
| 33° | 11.4 | 15.5 | 20.3 | 24.4 | 29.3 | 30.9 |
| 34° | 10.6 | 15.5 | 20.3 | 25.2 | 29.3 | 30.9 |
| 35° | 9.8 | 14.6 | 19.5 | 24.4 | 28.5 | 30.9 |
| 36° | 8.9 | 14.6 | 19.5 | 24.4 | 29.3 | 30.9 |
| 37° | 8.1 | 14.6 | 19.5 | 24.4 | 28.5 | 30.9 |
| 38° | 8.1 | 13.8 | 18.7 | 24.4 | 28.5 | 30.9 |
| 39° | 7.3 | 13.0 | 18.7 | 24.4 | 28.5 | 30.9 |
| 40° | 6.5 | 13.0 | 17.9 | 23.6 | 28.5 | 30.9 |
| 41° | 5.7 | 12.2 | 17.9 | 23.6 | 28.5 | 30.9 |
| 42° | 4.9 | 12.2 | 17.9 | 23.6 | 28.5 | 30.9 |
| 43° | 4.1 | 11.4 | 17.1 | 23.6 | 28.5 | 30.9 |
| 44° | 4.1 | 11.4 | 17.1 | 23.6 | 28.5 | 30.9 |
| 45° | 3.3 | 10.6 | 16.3 | 23.6 | 28.5 | 30.9 |
| 46° | 3.3 | 10.6 | 16.3 | 22.8 | 28.5 | 30.9 |
| 47° | 2.4 | 10.6 | 16.3 | 22.8 | 28.5 | 30.9 |
| 48° | 2.4 | 9.8 | 16.3 | 22.8 | 28.5 | 30.9 |
| 49° | 1.6 | 9.8 | 16.3 | 22.8 | 28.5 | 30.9 |
| 50° | 1.6 | 9.8 | 15.5 | 22.8 | 28.5 | 30.9 |
| 51° | 1.6 | 9.8 | 15.5 | 22.8 | 28.5 | 30.9 |
| 52° | 1.6 | 8.9 | 15.5 | 22.8 | 28.5 | 30.9 |
| 53° | 1.6 | 8.9 | 15.5 | 22.8 | 28.5 | 30.9 |
| 54° | 1.6 | 8.9 | 14.6 | 22.8 | 28.5 | 30.9 |
| 55° | 1.6 | 8.1 | 14.6 | 22.0 | 28.5 | 30.1 |
| 56° | 1.6 | 8.1 | 14.6 | 22.0 | 28.5 | 30.1 |
| 57° | 1.6 | 8.1 | 13.8 | 22.0 | 28.5 | 30.1 |
| 58° | 1.6 | 7.3 | 13.8 | 21.2 | 27.7 | 30.1 |
| 59° | 1.6 | 7.3 | 13.0 | 21.2 | 27.7 | 29.3 |
| 60° | 1.6 | 6.5 | 13.0 | 20.3 | 26.8 | 29.3 |
| 62.5° | 1.6 | 5.7 | 11.4 | 19.5 | 26.0 | 27.7 |
| 65° | 1.6 | 4.9 | 10.6 | 17.9 | 25.2 | 26.8 |



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CATALOG NUMBER: LDSQA3D13R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.6 | 4.9 | 9.8 | 17.1 | 23.6 | 26.0 |
| 70° | 1.6 | 4.9 | 8.9 | 15.5 | 22.8 | 23.6 |
| 72.5° | 2.4 | 4.9 | 8.1 | 14.6 | 21.2 | 22.0 |
| 75° | 3.3 | 4.9 | 7.3 | 13.0 | 19.5 | 20.3 |
| 77.5° | 3.3 | 4.9 | 6.5 | 11.4 | 17.1 | 17.9 |
| 80° | 3.3 | 4.1 | 5.7 | 8.9 | 13.8 | 14.6 |
| 82.5° | 3.3 | 4.1 | 4.1 | 7.3 | 10.6 | 11.4 |
| 85° | 2.4 | 3.3 | 3.3 | 4.1 | 7.3 | 8.1 |
| 87.5° | 2.4 | 3.3 | 1.6 | 2.4 | 3.3 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)