

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: P1316215

Luminaire Tested: LDSQA3D05R159740DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316215
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: LDSQA3D05R159740DE010 3LSQCA45R 1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

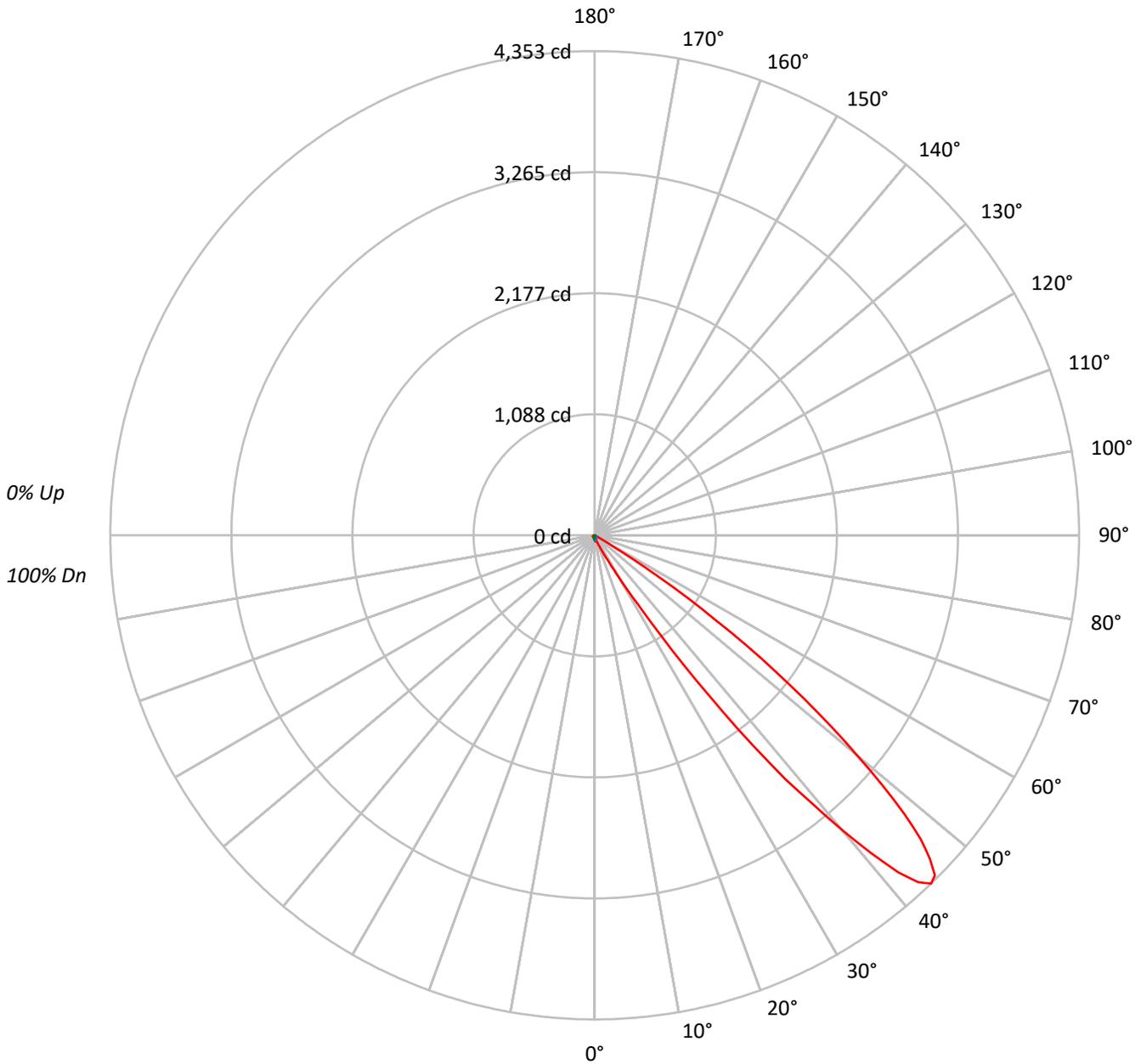
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 486.0 lumens
Efficiency: N/A
Efficacy: 67.5 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): 7.2
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: P1316215
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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° | 7423 | 7423 | 7423 | 7423 | 7423 |
| 5° | 9215 | 8212 | 6708 | 5861 | 5774 |
| 10° | 9076 | 7030 | 5176 | 4582 | 4669 |
| 15° | 7524 | 5010 | 3709 | 3798 | 4065 |
| 20° | 13049 | 3995 | 2841 | 3281 | 3739 |
| 25° | 29093 | 4789 | 2299 | 3040 | 3496 |
| 30° | 87024 | 5886 | 2028 | 2983 | 3659 |
| 35° | 334983 | 6623 | 1829 | 3049 | 3869 |
| 40° | 777542 | 5778 | 1754 | 3170 | 4137 |
| 45° | 1053152 | 4360 | 1534 | 3434 | 4481 |
| 50° | 825763 | 2599 | 1554 | 3644 | 4930 |
| 55° | 396345 | 1171 | 1441 | 3933 | 5375 |
| 60° | 36236 | 172 | 1343 | 4168 | 5993 |
| 65° | 3953 | 0 | 1182 | 4360 | 6520 |
| 70° | 957 | 0 | 1460 | 4633 | 7100 |
| 75° | 998 | 333 | 1930 | 5190 | 8052 |
| 80° | 992 | 992 | 2380 | 5256 | 8629 |
| 85° | 988 | 988 | 3754 | 4742 | 9485 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1053152 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.7 | 0.8 |
| 10°-20° | 7.7 | 1.6 |
| 20°-30° | 18.4 | 3.8 |
| 30°-40° | 100.5 | 20.7 |
| 40°-50° | 243.4 | 50.1 |
| 50°-60° | 97.1 | 20.0 |
| 60°-70° | 8.4 | 1.7 |
| 70°-80° | 4.7 | 1.0 |
| 80°-90° | 2.1 | 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° | 29.7 | 6.1 |
| 0°-40° | 130.2 | 26.8 |
| 0°-60° | 470.8 | 96.9 |
| 0°-90° | 486.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 486.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 43 | 43 | 43 | 43 | 43 | |
| 5° | 53 | 48 | 39 | 34 | 33 | 5 |
| 15° | 42 | 28 | 21 | 21 | 23 | 15 |
| 25° | 153 | 25 | 12 | 16 | 18 | 92 |
| 35° | 1593 | 32 | 9 | 14 | 18 | 1126 |
| 45° | 4324 | 18 | 6 | 14 | 18 | 3050 |
| 55° | 1320 | 4 | 5 | 13 | 18 | 1230 |
| 65° | 10 | 0 | 3 | 11 | 16 | 25 |
| 75° | 2 | 0 | 3 | 8 | 12 | 1 |
| 85° | 0 | 0 | 2 | 2 | 5 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316215
 CATALOG NUMBER: LDSQA3D05R159740DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0° | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 2.5° | 48.5 | 48.5 | 48.9 | 48.5 | 48.5 | 48.5 | 48.5 | 48.0 | 48.0 | 48.0 | 46.5 |
| 5° | 53.3 | 53.3 | 53.3 | 53.3 | 52.8 | 52.8 | 52.8 | 52.3 | 52.3 | 51.9 | 47.5 |
| 7.5° | 55.2 | 55.2 | 54.8 | 54.8 | 54.3 | 54.3 | 53.8 | 53.3 | 52.8 | 52.3 | 45.6 |
| 10° | 51.9 | 51.9 | 51.9 | 51.4 | 51.4 | 50.9 | 50.4 | 49.9 | 49.4 | 48.5 | 40.2 |
| 12.5° | 46.0 | 46.0 | 46.5 | 46.0 | 45.6 | 45.1 | 44.1 | 43.6 | 43.1 | 42.2 | 33.4 |
| 15° | 42.2 | 42.2 | 42.2 | 41.7 | 41.2 | 40.2 | 39.7 | 38.8 | 38.3 | 36.8 | 28.1 |
| 17.5° | 53.8 | 53.8 | 53.3 | 52.3 | 50.4 | 48.9 | 46.5 | 44.6 | 42.2 | 39.3 | 24.2 |
| 20° | 71.2 | 71.2 | 70.3 | 69.3 | 66.9 | 64.5 | 60.6 | 57.2 | 53.3 | 49.9 | 21.8 |
| 22.5° | 103.2 | 104.7 | 101.8 | 98.4 | 95.0 | 89.2 | 83.8 | 78.5 | 71.7 | 65.9 | 22.3 |
| 25° | 153.1 | 154.6 | 153.1 | 145.4 | 139.1 | 131.3 | 121.1 | 110.5 | 98.9 | 88.2 | 25.2 |
| 27.5° | 248.1 | 249.1 | 246.7 | 227.8 | 217.6 | 197.2 | 179.3 | 161.9 | 142.5 | 123.1 | 27.6 |
| 30° | 437.6 | 438.1 | 422.6 | 384.8 | 351.3 | 306.7 | 268.9 | 232.6 | 202.1 | 171.1 | 29.6 |
| 31° | 576.2 | 562.6 | 529.7 | 484.1 | 430.8 | 370.7 | 318.9 | 271.9 | 226.3 | 192.9 | 30.0 |
| 32° | 731.7 | 729.8 | 675.0 | 596.0 | 524.8 | 449.7 | 371.7 | 311.6 | 259.3 | 213.7 | 30.5 |
| 33° | 937.7 | 938.6 | 852.4 | 759.3 | 642.6 | 541.8 | 439.5 | 357.1 | 294.1 | 238.4 | 31.5 |
| 34° | 1259.4 | 1183.8 | 1082.6 | 956.6 | 797.6 | 646.0 | 513.2 | 410.0 | 325.6 | 262.2 | 31.5 |
| 35° | 1593.3 | 1517.2 | 1405.8 | 1214.9 | 996.8 | 784.5 | 600.9 | 466.7 | 363.4 | 287.8 | 31.5 |
| 36° | 1967.4 | 1903.0 | 1734.3 | 1490.6 | 1212.4 | 915.4 | 693.9 | 532.1 | 400.8 | 311.1 | 31.0 |
| 37° | 2371.6 | 2277.1 | 2090.0 | 1824.0 | 1451.8 | 1099.5 | 807.3 | 597.0 | 438.1 | 336.3 | 30.0 |
| 38° | 2782.0 | 2696.7 | 2460.7 | 2138.5 | 1737.7 | 1293.8 | 920.7 | 659.5 | 472.5 | 355.2 | 28.6 |
| 39° | 3093.1 | 3046.6 | 2812.5 | 2452.5 | 1966.0 | 1478.0 | 1037.5 | 726.4 | 508.8 | 374.1 | 27.1 |
| 40° | 3458.5 | 3383.4 | 3161.5 | 2716.1 | 2235.9 | 1665.5 | 1151.9 | 785.5 | 538.9 | 389.1 | 25.7 |
| 41° | 3791.9 | 3696.9 | 3416.8 | 2986.5 | 2452.0 | 1834.2 | 1260.4 | 846.6 | 563.1 | 397.8 | 24.7 |
| 42° | 4077.8 | 3967.3 | 3674.6 | 3218.1 | 2632.8 | 1968.9 | 1347.2 | 890.2 | 585.9 | 405.1 | 23.3 |
| 43° | 4262.9 | 4167.5 | 3879.6 | 3392.1 | 2787.3 | 2092.4 | 1428.1 | 935.7 | 599.9 | 410.0 | 21.3 |
| 44° | 4353.1 | 4256.6 | 3978.0 | 3501.1 | 2882.3 | 2166.6 | 1480.4 | 967.2 | 615.4 | 416.3 | 19.9 |
| 45° | 4324.0 | 4226.1 | 3956.7 | 3503.1 | 2911.9 | 2193.2 | 1502.7 | 981.3 | 623.7 | 422.1 | 17.9 |
| 46° | 4190.7 | 4121.9 | 3850.5 | 3412.0 | 2855.7 | 2164.7 | 1490.1 | 970.6 | 620.8 | 422.1 | 16.0 |
| 47° | 4003.7 | 3925.2 | 3666.9 | 3255.5 | 2719.5 | 2091.0 | 1439.2 | 938.2 | 602.8 | 412.4 | 14.1 |
| 48° | 3748.8 | 3681.9 | 3410.5 | 3006.9 | 2510.6 | 1930.6 | 1324.4 | 885.3 | 574.7 | 393.5 | 12.1 |
| 49° | 3428.9 | 3335.9 | 3083.4 | 2689.0 | 2238.3 | 1702.8 | 1173.7 | 796.2 | 529.7 | 366.8 | 10.7 |
| 50° | 3082.0 | 2967.1 | 2772.3 | 2370.6 | 1956.8 | 1460.1 | 975.5 | 673.1 | 466.2 | 331.9 | 9.7 |
| 51° | 2742.3 | 2625.5 | 2439.9 | 2098.3 | 1656.3 | 1211.5 | 787.0 | 537.4 | 383.8 | 284.0 | 8.2 |
| 52° | 2390.0 | 2292.1 | 2084.2 | 1815.8 | 1417.9 | 981.8 | 655.6 | 454.5 | 318.9 | 238.4 | 6.8 |
| 53° | 2039.1 | 1972.3 | 1774.6 | 1502.7 | 1139.3 | 802.0 | 535.5 | 389.1 | 278.2 | 204.0 | 5.3 |
| 54° | 1687.8 | 1614.6 | 1464.4 | 1222.1 | 918.3 | 632.9 | 454.1 | 325.6 | 241.3 | 177.8 | 4.8 |
| 55° | 1320.0 | 1282.2 | 1143.6 | 931.9 | 695.9 | 504.9 | 368.3 | 280.1 | 202.1 | 148.8 | 3.9 |
| 56° | 1016.7 | 974.0 | 847.5 | 676.0 | 517.1 | 395.4 | 298.0 | 228.7 | 171.1 | 124.5 | 2.9 |
| 57° | 665.8 | 622.2 | 538.4 | 472.0 | 376.5 | 288.3 | 227.8 | 180.3 | 139.1 | 103.2 | 2.4 |
| 58° | 393.5 | 353.7 | 340.7 | 290.8 | 251.0 | 195.8 | 168.2 | 134.2 | 102.7 | 81.4 | 1.5 |
| 59° | 180.8 | 183.7 | 163.3 | 153.1 | 139.1 | 124.5 | 102.2 | 89.6 | 70.3 | 58.6 | 1.0 |
| 60° | 105.2 | 99.3 | 96.9 | 86.7 | 77.0 | 68.3 | 61.5 | 54.3 | 44.1 | 37.8 | 0.5 |
| 62.5° | 35.9 | 34.4 | 35.4 | 32.0 | 30.0 | 29.1 | 26.7 | 22.8 | 18.9 | 15.5 | 0.0 |
| 65° | 9.7 | 9.7 | 9.2 | 8.7 | 8.2 | 7.8 | 7.3 | 6.3 | 5.8 | 4.8 | 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° | 3.4 | 3.4 | 2.9 | 2.9 | 2.4 | 2.4 | 1.9 | 1.9 | 1.5 | 1.5 | 0.0 |
| 70° | 1.9 | 1.9 | 1.9 | 1.5 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 0.5 | 0.0 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 |
| 75° | 1.5 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 1.0 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 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: P1316215

CATALOG NUMBER: LDSQA3D05R159740DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 2.5° | 44.6 | 42.6 | 40.2 | 38.8 | 38.3 | 37.8 |
| 5° | 42.6 | 38.8 | 35.9 | 33.9 | 33.4 | 33.4 |
| 7.5° | 38.3 | 33.9 | 31.0 | 30.0 | 29.6 | 29.6 |
| 10° | 33.4 | 29.6 | 27.1 | 26.2 | 26.7 | 26.7 |
| 12.5° | 28.1 | 24.7 | 23.7 | 23.7 | 24.2 | 24.7 |
| 15° | 22.8 | 20.8 | 20.8 | 21.3 | 22.3 | 22.8 |
| 17.5° | 18.9 | 17.9 | 18.4 | 19.4 | 20.4 | 21.3 |
| 20° | 15.5 | 15.5 | 16.5 | 17.9 | 19.4 | 20.4 |
| 22.5° | 13.1 | 13.6 | 15.0 | 16.5 | 18.4 | 19.4 |
| 25° | 11.1 | 12.1 | 13.6 | 16.0 | 17.9 | 18.4 |
| 27.5° | 9.7 | 11.1 | 13.1 | 15.5 | 17.4 | 18.4 |
| 30° | 8.2 | 10.2 | 12.6 | 15.0 | 17.4 | 18.4 |
| 31° | 7.8 | 9.7 | 12.1 | 15.0 | 17.4 | 18.4 |
| 32° | 7.3 | 9.7 | 12.1 | 15.0 | 17.4 | 18.4 |
| 33° | 6.8 | 9.2 | 12.1 | 14.5 | 17.4 | 18.4 |
| 34° | 6.3 | 9.2 | 12.1 | 15.0 | 17.4 | 18.4 |
| 35° | 5.8 | 8.7 | 11.6 | 14.5 | 17.0 | 18.4 |
| 36° | 5.3 | 8.7 | 11.6 | 14.5 | 17.4 | 18.4 |
| 37° | 4.8 | 8.7 | 11.6 | 14.5 | 17.0 | 18.4 |
| 38° | 4.8 | 8.2 | 11.1 | 14.5 | 17.0 | 18.4 |
| 39° | 4.4 | 7.8 | 11.1 | 14.5 | 17.0 | 18.4 |
| 40° | 3.9 | 7.8 | 10.7 | 14.1 | 17.0 | 18.4 |
| 41° | 3.4 | 7.3 | 10.7 | 14.1 | 17.0 | 18.4 |
| 42° | 2.9 | 7.3 | 10.7 | 14.1 | 17.0 | 18.4 |
| 43° | 2.4 | 6.8 | 10.2 | 14.1 | 17.0 | 18.4 |
| 44° | 2.4 | 6.8 | 10.2 | 14.1 | 17.0 | 18.4 |
| 45° | 1.9 | 6.3 | 9.7 | 14.1 | 17.0 | 18.4 |
| 46° | 1.9 | 6.3 | 9.7 | 13.6 | 17.0 | 18.4 |
| 47° | 1.5 | 6.3 | 9.7 | 13.6 | 17.0 | 18.4 |
| 48° | 1.5 | 5.8 | 9.7 | 13.6 | 17.0 | 18.4 |
| 49° | 1.0 | 5.8 | 9.7 | 13.6 | 17.0 | 18.4 |
| 50° | 1.0 | 5.8 | 9.2 | 13.6 | 17.0 | 18.4 |
| 51° | 1.0 | 5.8 | 9.2 | 13.6 | 17.0 | 18.4 |
| 52° | 1.0 | 5.3 | 9.2 | 13.6 | 17.0 | 18.4 |
| 53° | 1.0 | 5.3 | 9.2 | 13.6 | 17.0 | 18.4 |
| 54° | 1.0 | 5.3 | 8.7 | 13.6 | 17.0 | 18.4 |
| 55° | 1.0 | 4.8 | 8.7 | 13.1 | 17.0 | 17.9 |
| 56° | 1.0 | 4.8 | 8.7 | 13.1 | 17.0 | 17.9 |
| 57° | 1.0 | 4.8 | 8.2 | 13.1 | 17.0 | 17.9 |
| 58° | 1.0 | 4.4 | 8.2 | 12.6 | 16.5 | 17.9 |
| 59° | 1.0 | 4.4 | 7.8 | 12.6 | 16.5 | 17.4 |
| 60° | 1.0 | 3.9 | 7.8 | 12.1 | 16.0 | 17.4 |
| 62.5° | 1.0 | 3.4 | 6.8 | 11.6 | 15.5 | 16.5 |
| 65° | 1.0 | 2.9 | 6.3 | 10.7 | 15.0 | 16.0 |



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CATALOG NUMBER: LDSQA3D05R159740DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0 | 2.9 | 5.8 | 10.2 | 14.1 | 15.5 |
| 70° | 1.0 | 2.9 | 5.3 | 9.2 | 13.6 | 14.1 |
| 72.5° | 1.5 | 2.9 | 4.8 | 8.7 | 12.6 | 13.1 |
| 75° | 1.9 | 2.9 | 4.4 | 7.8 | 11.6 | 12.1 |
| 77.5° | 1.9 | 2.9 | 3.9 | 6.8 | 10.2 | 10.7 |
| 80° | 1.9 | 2.4 | 3.4 | 5.3 | 8.2 | 8.7 |
| 82.5° | 1.9 | 2.4 | 2.4 | 4.4 | 6.3 | 6.8 |
| 85° | 1.5 | 1.9 | 1.9 | 2.4 | 4.4 | 4.8 |
| 87.5° | 1.5 | 1.9 | 1.0 | 1.5 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)