

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: P1309529

Luminaire Tested: LDSQA3D20R259030D010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309529
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: LDSQA3D20R259030D010 3LSQCA45R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

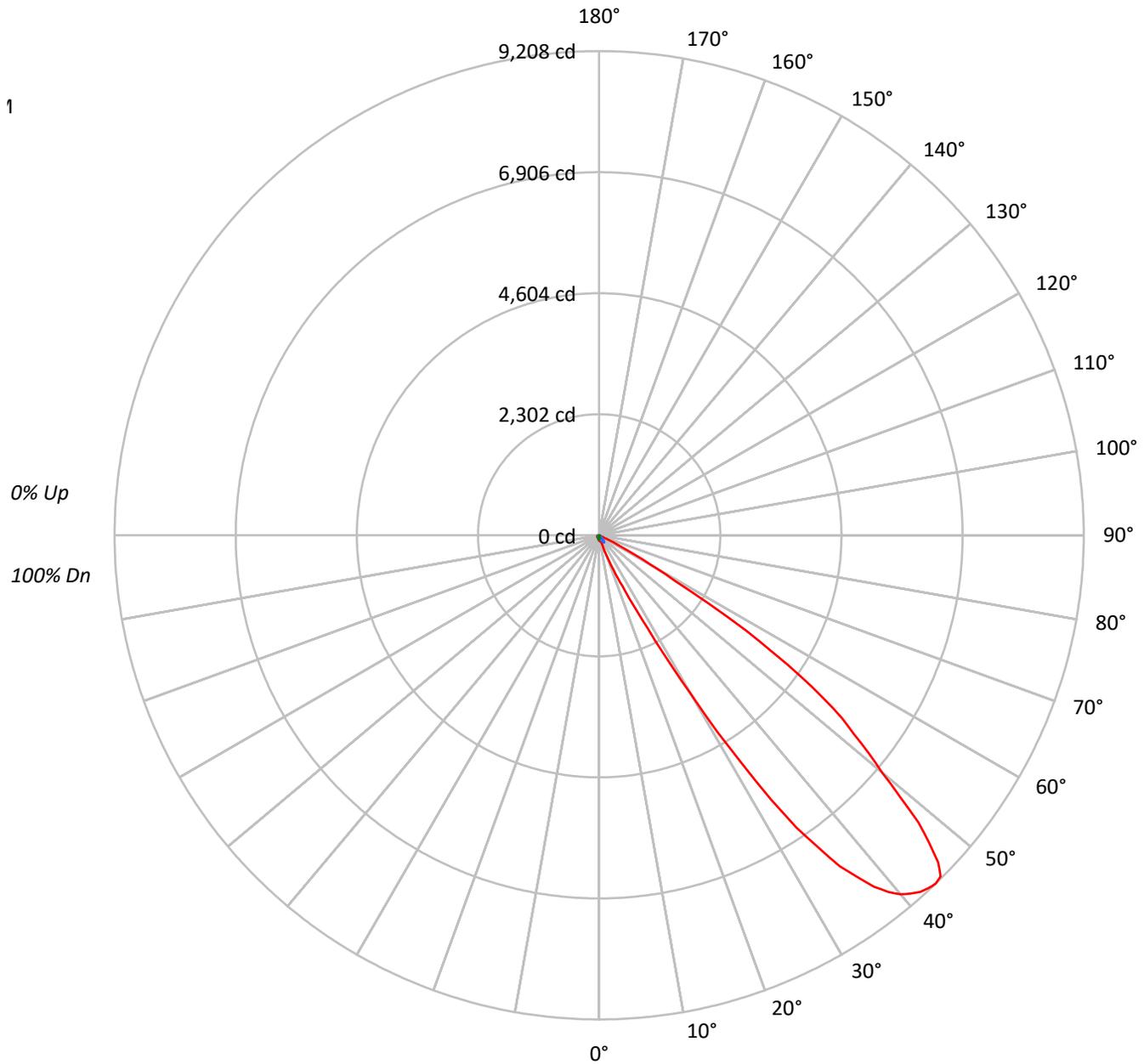
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1920.0 lumens
Efficiency: N/A
Efficacy: 66.7 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: P1309529
CATALOG NUMBER: LDSQA3D20R259030D010 3LSQCA45R 1MW

Luminous Intensity Polar Plot



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



TEST NUMBER: P1309529

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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 | 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° | 16878 | 16878 | 16878 | 16878 | 16878 |
| 5° | 19276 | 18394 | 16354 | 14608 | 14315 |
| 10° | 19202 | 17435 | 13885 | 12119 | 12119 |
| 15° | 21396 | 15066 | 10841 | 10234 | 10841 |
| 20° | 75564 | 14864 | 8357 | 8669 | 9604 |
| 25° | 217352 | 18946 | 6746 | 8019 | 9311 |
| 30° | 693484 | 29233 | 5369 | 7736 | 9406 |
| 35° | 1518915 | 34459 | 4625 | 7464 | 9587 |
| 40° | 2003692 | 31138 | 3799 | 7599 | 10252 |
| 45° | 2234489 | 21799 | 3702 | 8232 | 11106 |
| 50° | 1880901 | 11307 | 3617 | 8601 | 12218 |
| 55° | 1406242 | 4564 | 3543 | 9638 | 13692 |
| 60° | 435310 | 1171 | 3479 | 10471 | 15121 |
| 65° | 37165 | 0 | 4116 | 11003 | 16504 |
| 70° | 2568 | 856 | 4230 | 12740 | 18732 |
| 75° | 2262 | 1131 | 5590 | 13508 | 21360 |
| 80° | 1686 | 1686 | 8331 | 15075 | 25092 |
| 85° | 3359 | 3359 | 13437 | 16599 | 26676 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2234489 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.8 | 0.5 |
| 10°-20° | 22.6 | 1.2 |
| 20°-30° | 106.2 | 5.5 |
| 30°-40° | 511.4 | 26.6 |
| 40°-50° | 801.6 | 41.8 |
| 50°-60° | 411.0 | 21.4 |
| 60°-70° | 38.8 | 2.0 |
| 70°-80° | 13.0 | 0.7 |
| 80°-90° | 6.5 | 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° | 137.6 | 7.2 |
| 0°-40° | 649.0 | 33.8 |
| 0°-60° | 1861.6 | 97.0 |
| 0°-90° | 1920.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1920.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 98 | 98 | 98 | 98 | 98 | |
| 5° | 112 | 106 | 95 | 84 | 83 | 11 |
| 15° | 120 | 84 | 61 | 57 | 61 | 51 |
| 25° | 1144 | 100 | 36 | 42 | 49 | 709 |
| 35° | 7224 | 164 | 22 | 36 | 46 | 4386 |
| 45° | 9174 | 90 | 15 | 34 | 46 | 6713 |
| 55° | 4683 | 15 | 12 | 32 | 46 | 3899 |
| 65° | 91 | 0 | 10 | 27 | 40 | 286 |
| 75° | 3 | 2 | 8 | 20 | 32 | 4 |
| 85° | 2 | 2 | 7 | 8 | 14 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309529
 CATALOG NUMBER: LDSQA3D20R259030D010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 2.5° | 106.4 | 106.4 | 106.4 | 106.4 | 106.4 | 106.4 | 104.8 | 104.8 | 106.4 | 104.8 | 104.8 |
| 5° | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 109.8 | 109.8 | 109.8 | 106.4 |
| 7.5° | 113.2 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 109.8 | 109.8 | 104.8 |
| 10° | 109.8 | 109.8 | 109.8 | 109.8 | 108.1 | 108.1 | 108.1 | 106.4 | 106.4 | 106.4 | 99.7 |
| 12.5° | 109.8 | 109.8 | 109.8 | 109.8 | 108.1 | 108.1 | 106.4 | 106.4 | 104.8 | 103.1 | 91.2 |
| 15° | 120.0 | 120.0 | 120.0 | 118.3 | 116.6 | 114.9 | 113.2 | 111.5 | 109.8 | 106.4 | 84.5 |
| 17.5° | 175.7 | 170.6 | 169.0 | 162.2 | 153.7 | 145.3 | 138.5 | 131.8 | 125.0 | 120.0 | 81.1 |
| 20° | 412.3 | 410.6 | 402.1 | 381.8 | 359.9 | 334.5 | 309.2 | 280.5 | 239.9 | 212.9 | 81.1 |
| 22.5° | 714.7 | 704.5 | 689.3 | 674.1 | 635.3 | 589.7 | 542.3 | 488.3 | 435.9 | 380.1 | 86.2 |
| 25° | 1143.8 | 1167.5 | 1116.8 | 1076.2 | 1008.7 | 925.9 | 836.3 | 762.0 | 667.4 | 579.5 | 99.7 |
| 27.5° | 1988.6 | 2003.8 | 1904.1 | 1772.3 | 1615.2 | 1441.2 | 1272.2 | 1145.5 | 986.7 | 841.4 | 125.0 |
| 30° | 3487.2 | 3502.4 | 3335.2 | 3054.7 | 2730.3 | 2444.8 | 2057.9 | 1718.3 | 1405.7 | 1164.1 | 147.0 |
| 31° | 4352.3 | 4234.0 | 4039.7 | 3767.7 | 3357.1 | 2926.3 | 2461.7 | 2051.1 | 1655.8 | 1338.1 | 153.7 |
| 32° | 5104.1 | 5094.0 | 4867.6 | 4455.4 | 4043.1 | 3510.9 | 2934.8 | 2399.2 | 1914.3 | 1513.8 | 158.8 |
| 33° | 5991.2 | 5923.6 | 5604.3 | 5215.7 | 4669.9 | 4134.3 | 3390.9 | 2779.3 | 2179.5 | 1709.8 | 162.2 |
| 34° | 6702.5 | 6520.0 | 6388.2 | 5943.9 | 5367.7 | 4685.1 | 3889.4 | 3181.4 | 2510.7 | 1899.1 | 163.9 |
| 35° | 7224.5 | 7185.7 | 6928.9 | 6514.9 | 5928.6 | 5230.9 | 4426.6 | 3598.8 | 2787.8 | 2118.7 | 163.9 |
| 36° | 7777.0 | 7657.1 | 7407.0 | 7031.9 | 6460.9 | 5739.4 | 4837.2 | 3960.3 | 3110.5 | 2316.4 | 162.2 |
| 37° | 8123.4 | 8052.4 | 7804.1 | 7417.1 | 6857.9 | 6168.6 | 5296.8 | 4342.2 | 3367.3 | 2514.1 | 158.8 |
| 38° | 8479.9 | 8336.3 | 8091.3 | 7721.3 | 7172.2 | 6525.1 | 5629.6 | 4636.1 | 3603.8 | 2688.1 | 153.7 |
| 39° | 8726.6 | 8577.9 | 8327.8 | 7959.5 | 7422.2 | 6780.2 | 5893.2 | 4886.2 | 3809.9 | 2818.2 | 147.0 |
| 40° | 8912.4 | 8768.8 | 8515.4 | 8136.9 | 7606.4 | 6981.2 | 6112.8 | 5107.5 | 3982.3 | 2931.4 | 138.5 |
| 41° | 9027.3 | 8893.8 | 8642.1 | 8265.3 | 7733.1 | 7096.1 | 6256.4 | 5251.1 | 4098.9 | 3007.4 | 130.1 |
| 42° | 9123.6 | 8986.7 | 8729.9 | 8344.7 | 7810.8 | 7194.1 | 6344.3 | 5342.4 | 4178.3 | 3046.3 | 123.3 |
| 43° | 9177.7 | 9040.8 | 8790.8 | 8397.1 | 7858.1 | 7239.7 | 6391.6 | 5384.6 | 4205.3 | 3041.2 | 111.5 |
| 44° | 9208.1 | 9066.2 | 8814.4 | 8420.7 | 7878.4 | 7251.6 | 6395.0 | 5376.2 | 4186.7 | 3000.6 | 101.4 |
| 45° | 9174.3 | 9034.0 | 8790.8 | 8397.1 | 7842.9 | 7214.4 | 6361.2 | 5330.5 | 4115.8 | 2921.2 | 89.5 |
| 46° | 8954.6 | 8846.5 | 8623.5 | 8261.9 | 7731.4 | 7119.8 | 6275.0 | 5242.7 | 4005.9 | 2823.2 | 76.0 |
| 47° | 8567.7 | 8481.6 | 8265.3 | 7996.7 | 7516.8 | 6945.8 | 6116.2 | 5075.4 | 3852.2 | 2676.3 | 60.8 |
| 48° | 8163.9 | 8037.2 | 7836.2 | 7560.8 | 7155.3 | 6633.2 | 5854.3 | 4830.4 | 3619.0 | 2483.6 | 54.1 |
| 49° | 7567.5 | 7493.2 | 7315.8 | 7008.3 | 6672.1 | 6212.5 | 5484.3 | 4516.2 | 3333.5 | 2274.1 | 47.3 |
| 50° | 7020.1 | 6969.4 | 6721.0 | 6494.6 | 6138.2 | 5709.0 | 4982.5 | 4102.2 | 2978.7 | 2013.9 | 42.2 |
| 51° | 6592.6 | 6531.8 | 6352.7 | 6070.6 | 5690.4 | 5192.0 | 4507.7 | 3565.0 | 2571.5 | 1704.8 | 33.8 |
| 52° | 6146.6 | 6112.8 | 5954.0 | 5663.4 | 5290.0 | 4793.3 | 4046.5 | 3108.8 | 2176.1 | 1441.2 | 27.0 |
| 53° | 5781.7 | 5732.7 | 5538.4 | 5279.9 | 4876.1 | 4362.4 | 3546.4 | 2684.7 | 1843.3 | 1211.4 | 23.7 |
| 54° | 5249.4 | 5229.2 | 5104.1 | 4833.8 | 4396.2 | 3837.0 | 3093.6 | 2260.6 | 1537.5 | 1027.2 | 20.3 |
| 55° | 4683.4 | 4615.9 | 4489.1 | 4274.6 | 3872.5 | 3350.4 | 2569.8 | 1873.7 | 1243.5 | 865.1 | 15.2 |
| 56° | 3994.1 | 3990.7 | 3764.3 | 3585.2 | 3228.7 | 2674.6 | 2052.8 | 1463.2 | 1010.4 | 721.4 | 13.5 |
| 57° | 3335.2 | 3228.7 | 3010.8 | 2833.4 | 2449.9 | 2029.2 | 1524.0 | 1096.5 | 790.7 | 584.6 | 10.1 |
| 58° | 2466.8 | 2411.0 | 2353.5 | 2093.4 | 1738.6 | 1437.8 | 1088.1 | 770.4 | 584.6 | 446.0 | 6.8 |
| 59° | 1674.3 | 1672.7 | 1605.1 | 1407.4 | 1203.0 | 895.5 | 679.2 | 523.8 | 402.1 | 327.8 | 5.1 |
| 60° | 1263.8 | 1233.4 | 1098.2 | 968.1 | 756.9 | 566.0 | 402.1 | 309.2 | 250.1 | 211.2 | 3.4 |
| 62.5° | 442.7 | 459.6 | 403.8 | 334.5 | 255.1 | 209.5 | 160.5 | 130.1 | 106.4 | 86.2 | 0.0 |
| 65° | 91.2 | 99.7 | 86.2 | 81.1 | 64.2 | 55.8 | 49.0 | 42.2 | 35.5 | 30.4 | 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° | 11.8 | 10.1 | 10.1 | 10.1 | 8.4 | 8.4 | 8.4 | 8.4 | 6.8 | 6.8 | 1.7 |
| 70° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 |
| 72.5° | 5.1 | 5.1 | 5.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 | 1.7 |
| 75° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 |
| 85° | 1.7 | 1.7 | 1.7 | 0.0 | 0.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 |
| 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: P1309529

CATALOG NUMBER: LDSQA3D20R259030D010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 2.5° | 103.1 | 99.7 | 94.6 | 92.9 | 91.2 | 91.2 |
| 5° | 101.4 | 94.6 | 89.5 | 84.5 | 82.8 | 82.8 |
| 7.5° | 96.3 | 87.9 | 81.1 | 77.7 | 76.0 | 74.3 |
| 10° | 91.2 | 79.4 | 72.7 | 69.3 | 69.3 | 69.3 |
| 12.5° | 81.1 | 71.0 | 64.2 | 62.5 | 64.2 | 64.2 |
| 15° | 72.7 | 60.8 | 57.4 | 57.4 | 59.1 | 60.8 |
| 17.5° | 62.5 | 54.1 | 50.7 | 52.4 | 54.1 | 55.8 |
| 20° | 55.8 | 45.6 | 45.6 | 47.3 | 52.4 | 52.4 |
| 22.5° | 49.0 | 40.5 | 40.5 | 45.6 | 49.0 | 50.7 |
| 25° | 43.9 | 35.5 | 37.2 | 42.2 | 47.3 | 49.0 |
| 27.5° | 37.2 | 30.4 | 33.8 | 40.5 | 45.6 | 47.3 |
| 30° | 32.1 | 27.0 | 32.1 | 38.9 | 43.9 | 47.3 |
| 31° | 30.4 | 25.3 | 32.1 | 37.2 | 43.9 | 47.3 |
| 32° | 27.0 | 25.3 | 30.4 | 37.2 | 43.9 | 45.6 |
| 33° | 25.3 | 23.7 | 30.4 | 37.2 | 43.9 | 45.6 |
| 34° | 23.7 | 22.0 | 28.7 | 37.2 | 43.9 | 45.6 |
| 35° | 20.3 | 22.0 | 28.7 | 35.5 | 42.2 | 45.6 |
| 36° | 18.6 | 20.3 | 28.7 | 35.5 | 42.2 | 45.6 |
| 37° | 16.9 | 20.3 | 27.0 | 35.5 | 42.2 | 45.6 |
| 38° | 15.2 | 18.6 | 27.0 | 35.5 | 42.2 | 45.6 |
| 39° | 13.5 | 18.6 | 25.3 | 35.5 | 42.2 | 45.6 |
| 40° | 11.8 | 16.9 | 25.3 | 33.8 | 42.2 | 45.6 |
| 41° | 11.8 | 16.9 | 25.3 | 33.8 | 42.2 | 45.6 |
| 42° | 10.1 | 16.9 | 25.3 | 33.8 | 42.2 | 45.6 |
| 43° | 8.4 | 15.2 | 25.3 | 33.8 | 42.2 | 45.6 |
| 44° | 6.8 | 15.2 | 23.7 | 33.8 | 42.2 | 45.6 |
| 45° | 6.8 | 15.2 | 23.7 | 33.8 | 42.2 | 45.6 |
| 46° | 5.1 | 13.5 | 23.7 | 33.8 | 42.2 | 45.6 |
| 47° | 3.4 | 13.5 | 23.7 | 32.1 | 42.2 | 45.6 |
| 48° | 3.4 | 13.5 | 23.7 | 32.1 | 42.2 | 45.6 |
| 49° | 3.4 | 13.5 | 22.0 | 32.1 | 42.2 | 45.6 |
| 50° | 3.4 | 13.5 | 22.0 | 32.1 | 42.2 | 45.6 |
| 51° | 1.7 | 11.8 | 22.0 | 32.1 | 42.2 | 45.6 |
| 52° | 1.7 | 11.8 | 22.0 | 32.1 | 42.2 | 47.3 |
| 53° | 1.7 | 11.8 | 22.0 | 32.1 | 42.2 | 45.6 |
| 54° | 1.7 | 11.8 | 20.3 | 32.1 | 42.2 | 45.6 |
| 55° | 1.7 | 11.8 | 20.3 | 32.1 | 42.2 | 45.6 |
| 56° | 1.7 | 10.1 | 20.3 | 30.4 | 42.2 | 45.6 |
| 57° | 3.4 | 10.1 | 20.3 | 30.4 | 42.2 | 43.9 |
| 58° | 3.4 | 10.1 | 20.3 | 30.4 | 40.5 | 43.9 |
| 59° | 3.4 | 10.1 | 20.3 | 30.4 | 40.5 | 43.9 |
| 60° | 3.4 | 10.1 | 18.6 | 30.4 | 40.5 | 43.9 |
| 62.5° | 3.4 | 10.1 | 18.6 | 28.7 | 38.9 | 42.2 |
| 65° | 3.4 | 10.1 | 16.9 | 27.0 | 38.9 | 40.5 |



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CATALOG NUMBER: LDSQA3D20R259030D010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 3.4 | 8.4 | 16.9 | 25.3 | 37.2 | 38.9 |
| 70° | 5.1 | 8.4 | 15.2 | 25.3 | 35.5 | 37.2 |
| 72.5° | 5.1 | 8.4 | 15.2 | 22.0 | 32.1 | 35.5 |
| 75° | 5.1 | 8.4 | 13.5 | 20.3 | 30.4 | 32.1 |
| 77.5° | 5.1 | 8.4 | 11.8 | 18.6 | 27.0 | 28.7 |
| 80° | 6.8 | 8.4 | 10.1 | 15.2 | 23.7 | 25.3 |
| 82.5° | 6.8 | 8.4 | 8.4 | 11.8 | 18.6 | 20.3 |
| 85° | 5.1 | 6.8 | 6.8 | 8.4 | 11.8 | 13.5 |
| 87.5° | 5.1 | 6.8 | 5.1 | 3.4 | 6.8 | 6.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)