

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: P1307767

Luminaire Tested: LDSQA3D05R209027DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209027DE010 3LSQCA45R 1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCA45R 1MMS TRII
Light Source: -
Ballast/Driver: -

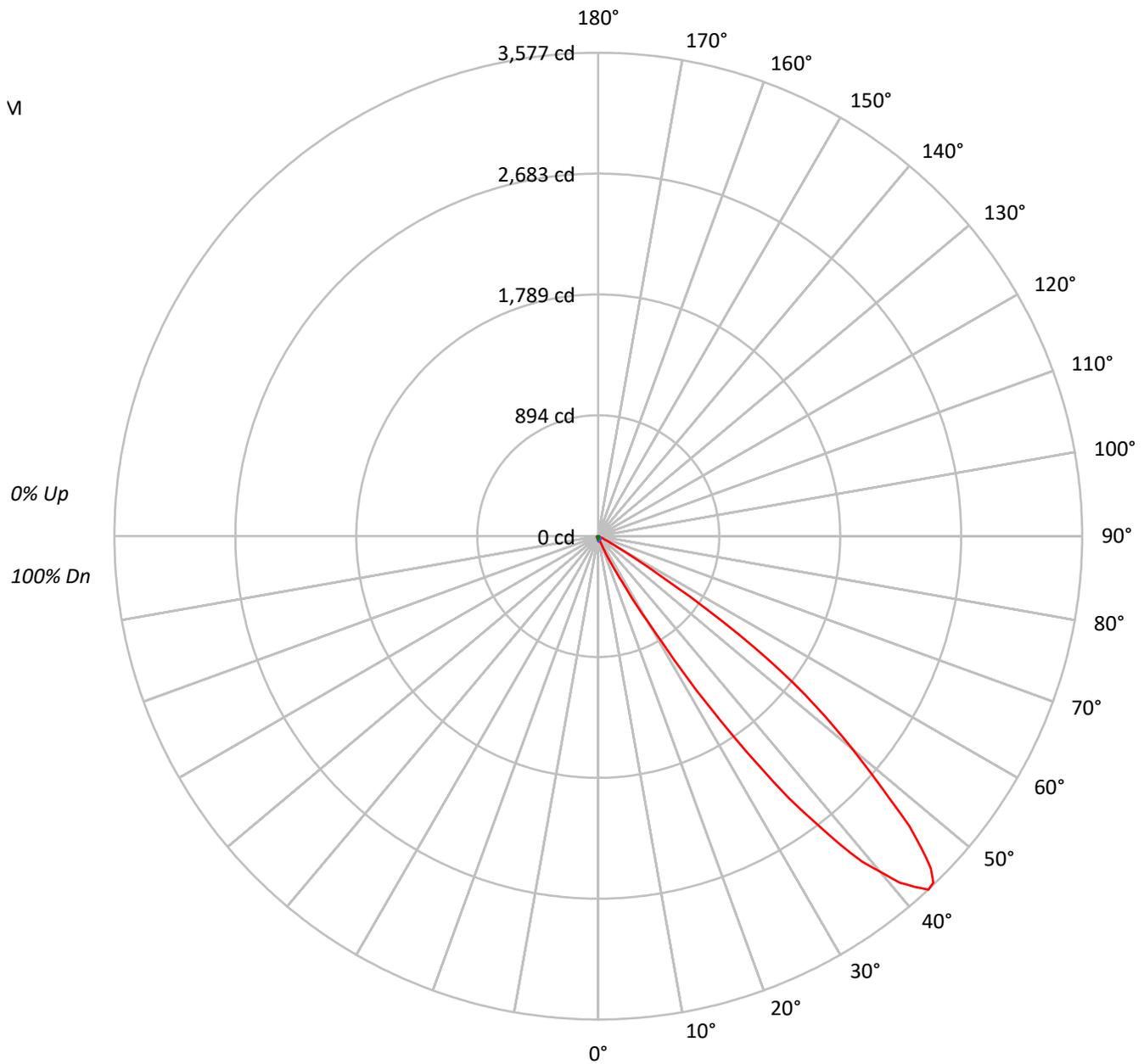
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13
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 (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: P1307767
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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 | | | | 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 | 108 | 104 | 101 | 97 | 100 | 97 | 94 | 96 | 94 | 92 | 92 | 91 | 89 | 89 | 89 | 89 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 75 | 75 | 75 | 73 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 63 | 63 | 63 | 63 | 61 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 53 | 53 | 53 | 51 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 45 | 45 | 45 | 42 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 38 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 37 | 37 | 37 | 35 |
| 7 | 62 | 48 | 39 | 32 | 60 | 47 | 38 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 31 | 31 | 31 | 29 |
| 8 | 57 | 42 | 33 | 27 | 55 | 42 | 33 | 27 | 40 | 33 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9 | 52 | 38 | 29 | 23 | 51 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 27 | 23 | 23 | 23 | 23 | 21 |
| 10 | 48 | 34 | 25 | 20 | 47 | 33 | 25 | 20 | 32 | 25 | 19 | 31 | 24 | 19 | 30 | 24 | 19 | 19 | 19 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 5959 | 5959 | 5959 | 5959 | 5959 |
| 5° | 6950 | 6466 | 5567 | 4841 | 4685 |
| 10° | 6855 | 5876 | 4407 | 3760 | 3672 |
| 15° | 5991 | 4493 | 3245 | 2995 | 3156 |
| 20° | 8907 | 3775 | 2401 | 2566 | 2822 |
| 25° | 38347 | 3915 | 1862 | 2299 | 2755 |
| 30° | 144993 | 4733 | 1571 | 2227 | 2685 |
| 35° | 439538 | 5698 | 1472 | 2250 | 2838 |
| 40° | 728846 | 5665 | 1259 | 2406 | 3035 |
| 45° | 847149 | 3873 | 1145 | 2509 | 3288 |
| 50° | 657610 | 2117 | 1125 | 2626 | 3751 |
| 55° | 380611 | 1411 | 1111 | 2943 | 4054 |
| 60° | 64342 | 310 | 964 | 3066 | 4512 |
| 65° | 4931 | 0 | 1141 | 3423 | 5135 |
| 70° | 705 | 0 | 1410 | 3777 | 5891 |
| 75° | 599 | 333 | 1530 | 4325 | 6854 |
| 80° | 496 | 496 | 2281 | 4661 | 7835 |
| 85° | 988 | 988 | 3754 | 4545 | 8299 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 847149 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.0 | 0.6 |
| 10°-20° | 6.2 | 1.3 |
| 20°-30° | 19.8 | 4.0 |
| 30°-40° | 126.7 | 25.5 |
| 40°-50° | 232.0 | 46.7 |
| 50°-60° | 95.3 | 19.2 |
| 60°-70° | 8.0 | 1.6 |
| 70°-80° | 4.0 | 0.8 |
| 80°-90° | 1.9 | 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° | 29.0 | 5.8 |
| 0°-40° | 155.8 | 31.3 |
| 0°-60° | 483.1 | 97.2 |
| 0°-90° | 497.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 497.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 35 | 35 | 35 | 35 | 35 | |
| 5° | 40 | 37 | 32 | 28 | 27 | 4 |
| 15° | 34 | 25 | 18 | 17 | 18 | 11 |
| 25° | 202 | 21 | 10 | 12 | 14 | 133 |
| 35° | 2091 | 27 | 7 | 11 | 14 | 1323 |
| 45° | 3478 | 16 | 5 | 10 | 14 | 2497 |
| 55° | 1268 | 5 | 4 | 10 | 14 | 1108 |
| 65° | 12 | 0 | 3 | 8 | 13 | 40 |
| 75° | 1 | 0 | 2 | 6 | 10 | 1 |
| 85° | 0 | 0 | 2 | 2 | 4 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307767
 CATALOG NUMBER: LDSQA3D05R209027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 2.5° | 37.8 | 37.8 | 37.8 | 37.4 | 37.4 | 37.8 | 37.4 | 37.4 | 37.4 | 37.4 | 36.9 |
| 5° | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 39.7 | 39.7 | 39.2 | 37.4 |
| 7.5° | 41.1 | 41.1 | 41.1 | 41.1 | 40.6 | 40.6 | 40.6 | 40.6 | 40.2 | 39.7 | 36.4 |
| 10° | 39.2 | 39.2 | 39.2 | 38.8 | 38.8 | 38.8 | 38.3 | 38.3 | 37.8 | 37.4 | 33.6 |
| 12.5° | 35.5 | 35.5 | 35.5 | 35.5 | 35.0 | 35.0 | 34.6 | 34.6 | 34.1 | 33.6 | 29.4 |
| 15° | 33.6 | 33.6 | 33.6 | 33.2 | 33.2 | 32.7 | 32.2 | 31.8 | 31.3 | 30.4 | 25.2 |
| 17.5° | 36.4 | 36.4 | 36.0 | 36.0 | 35.0 | 34.1 | 33.6 | 32.2 | 31.3 | 29.9 | 22.4 |
| 20° | 48.6 | 49.0 | 47.2 | 45.8 | 44.8 | 42.0 | 40.6 | 38.3 | 36.4 | 34.1 | 20.6 |
| 22.5° | 98.1 | 96.2 | 92.9 | 87.8 | 81.7 | 76.6 | 67.3 | 59.8 | 54.6 | 47.6 | 20.1 |
| 25° | 201.8 | 199.9 | 191.0 | 183.6 | 164.9 | 150.4 | 130.3 | 114.0 | 97.1 | 80.8 | 20.6 |
| 27.5° | 383.5 | 370.8 | 368.5 | 334.4 | 308.3 | 270.9 | 232.1 | 199.4 | 169.5 | 136.4 | 22.0 |
| 30° | 729.1 | 714.6 | 663.7 | 612.3 | 541.8 | 461.9 | 385.8 | 314.8 | 255.5 | 201.8 | 23.8 |
| 31° | 925.3 | 939.3 | 879.5 | 776.3 | 672.1 | 569.8 | 465.7 | 375.5 | 298.9 | 232.1 | 24.8 |
| 32° | 1216.2 | 1155.0 | 1092.0 | 986.0 | 834.6 | 703.9 | 573.1 | 443.2 | 342.4 | 264.8 | 25.7 |
| 33° | 1491.3 | 1455.4 | 1359.2 | 1227.0 | 1045.3 | 861.7 | 692.2 | 523.1 | 395.6 | 304.5 | 26.2 |
| 34° | 1784.6 | 1744.9 | 1666.9 | 1477.3 | 1277.9 | 1037.3 | 811.3 | 615.1 | 459.1 | 343.3 | 26.6 |
| 35° | 2090.6 | 2073.8 | 1923.4 | 1759.0 | 1513.8 | 1223.7 | 954.7 | 716.0 | 521.2 | 378.8 | 27.1 |
| 36° | 2398.4 | 2344.2 | 2226.5 | 1986.4 | 1730.5 | 1396.1 | 1105.1 | 809.9 | 584.3 | 420.8 | 27.1 |
| 37° | 2630.0 | 2617.9 | 2461.9 | 2227.9 | 1927.1 | 1580.1 | 1234.9 | 914.0 | 647.8 | 456.8 | 27.1 |
| 38° | 2885.5 | 2837.4 | 2679.1 | 2440.9 | 2112.1 | 1748.7 | 1370.8 | 1004.7 | 708.1 | 489.5 | 26.6 |
| 39° | 3100.8 | 3029.4 | 2869.6 | 2634.2 | 2273.7 | 1876.7 | 1478.7 | 1092.5 | 761.3 | 516.6 | 26.2 |
| 40° | 3241.9 | 3192.4 | 3025.6 | 2760.8 | 2420.3 | 1997.6 | 1588.0 | 1164.9 | 801.0 | 537.1 | 25.2 |
| 41° | 3397.4 | 3315.2 | 3150.3 | 2884.1 | 2526.8 | 2104.1 | 1656.7 | 1212.5 | 831.8 | 550.7 | 24.3 |
| 42° | 3490.4 | 3423.1 | 3227.4 | 2966.8 | 2602.9 | 2164.8 | 1712.7 | 1248.9 | 850.5 | 557.7 | 22.4 |
| 43° | 3577.2 | 3485.7 | 3295.1 | 3014.9 | 2653.4 | 2207.8 | 1738.4 | 1265.7 | 854.7 | 557.7 | 20.1 |
| 44° | 3565.6 | 3478.7 | 3281.1 | 3021.4 | 2664.6 | 2220.4 | 1749.2 | 1266.2 | 848.2 | 550.7 | 17.7 |
| 45° | 3478.2 | 3391.8 | 3213.9 | 2964.5 | 2624.4 | 2195.7 | 1727.7 | 1247.5 | 830.0 | 538.5 | 15.9 |
| 46° | 3318.0 | 3232.1 | 3095.7 | 2869.2 | 2549.7 | 2139.6 | 1677.7 | 1206.9 | 799.6 | 518.9 | 14.0 |
| 47° | 3143.8 | 3060.2 | 2920.5 | 2715.5 | 2422.2 | 2039.7 | 1605.3 | 1149.9 | 757.1 | 490.4 | 12.6 |
| 48° | 2891.1 | 2838.8 | 2698.7 | 2523.5 | 2245.2 | 1883.2 | 1478.3 | 1057.0 | 700.1 | 453.5 | 10.7 |
| 49° | 2667.9 | 2612.8 | 2489.9 | 2301.7 | 2014.4 | 1701.0 | 1326.5 | 943.9 | 625.9 | 412.4 | 9.3 |
| 50° | 2454.4 | 2406.3 | 2292.8 | 2080.3 | 1806.1 | 1481.1 | 1121.4 | 801.5 | 532.5 | 361.5 | 7.9 |
| 51° | 2245.6 | 2209.7 | 2093.8 | 1898.6 | 1620.2 | 1312.0 | 971.5 | 667.4 | 440.0 | 299.9 | 7.5 |
| 52° | 2035.9 | 2031.7 | 1906.1 | 1708.5 | 1439.5 | 1143.4 | 825.8 | 563.3 | 373.2 | 251.7 | 7.0 |
| 53° | 1810.3 | 1783.2 | 1673.5 | 1496.0 | 1237.7 | 967.8 | 700.1 | 475.0 | 321.3 | 214.4 | 6.1 |
| 54° | 1553.5 | 1523.1 | 1405.4 | 1245.2 | 1011.2 | 792.6 | 564.2 | 383.9 | 267.6 | 181.2 | 5.6 |
| 55° | 1267.6 | 1215.8 | 1130.3 | 965.9 | 789.8 | 604.8 | 435.8 | 304.1 | 213.9 | 150.9 | 4.7 |
| 56° | 961.7 | 909.8 | 861.7 | 740.8 | 579.6 | 451.2 | 324.6 | 233.1 | 167.2 | 119.1 | 4.2 |
| 57° | 668.8 | 666.0 | 587.1 | 494.2 | 387.7 | 307.3 | 222.3 | 164.4 | 118.2 | 92.5 | 3.3 |
| 58° | 433.9 | 419.4 | 369.0 | 315.3 | 253.6 | 192.0 | 142.9 | 111.6 | 80.3 | 63.1 | 2.8 |
| 59° | 304.1 | 275.1 | 248.0 | 210.2 | 159.7 | 121.0 | 92.0 | 71.5 | 55.6 | 43.9 | 1.9 |
| 60° | 186.8 | 180.8 | 162.5 | 128.0 | 103.7 | 85.5 | 68.7 | 52.8 | 40.6 | 31.3 | 0.9 |
| 62.5° | 53.2 | 54.2 | 49.0 | 43.4 | 37.4 | 32.2 | 29.0 | 24.8 | 20.6 | 16.3 | 0.0 |
| 65° | 12.1 | 11.7 | 12.6 | 11.7 | 10.7 | 10.7 | 9.3 | 8.4 | 7.5 | 7.0 | 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° | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 2.8 | 2.8 | 2.3 | 2.3 | 1.9 | 0.0 |
| 70° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.9 | 0.9 | 0.9 | 0.5 | 0.5 | 0.0 |
| 72.5° | 1.4 | 1.4 | 1.4 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 | 0.5 | 0.5 |
| 75° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 | 0.9 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.0 | 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: P1307767

CATALOG NUMBER: LDSQA3D05R209027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 2.5° | 36.0 | 34.1 | 32.7 | 31.3 | 30.8 | 30.8 |
| 5° | 35.0 | 32.2 | 29.4 | 28.0 | 27.1 | 27.1 |
| 7.5° | 32.2 | 29.0 | 26.2 | 24.8 | 24.3 | 24.3 |
| 10° | 29.0 | 25.2 | 22.4 | 21.5 | 21.5 | 21.0 |
| 12.5° | 25.2 | 21.5 | 19.6 | 19.1 | 19.1 | 19.1 |
| 15° | 21.0 | 18.2 | 16.8 | 16.8 | 17.3 | 17.7 |
| 17.5° | 17.7 | 14.9 | 14.5 | 15.4 | 16.3 | 16.3 |
| 20° | 14.9 | 13.1 | 13.1 | 14.0 | 14.9 | 15.4 |
| 22.5° | 12.6 | 11.2 | 11.7 | 13.1 | 14.5 | 14.9 |
| 25° | 11.2 | 9.8 | 10.7 | 12.1 | 13.5 | 14.5 |
| 27.5° | 9.3 | 8.9 | 9.8 | 11.7 | 13.5 | 14.0 |
| 30° | 7.9 | 7.9 | 9.3 | 11.2 | 13.1 | 13.5 |
| 31° | 7.5 | 7.5 | 9.3 | 11.2 | 13.1 | 13.5 |
| 32° | 7.0 | 7.5 | 8.9 | 11.2 | 13.1 | 13.5 |
| 33° | 6.5 | 7.0 | 8.9 | 10.7 | 13.1 | 13.5 |
| 34° | 6.1 | 7.0 | 8.9 | 10.7 | 13.1 | 13.5 |
| 35° | 5.6 | 7.0 | 8.9 | 10.7 | 13.1 | 13.5 |
| 36° | 5.1 | 6.5 | 8.4 | 10.7 | 13.1 | 13.5 |
| 37° | 4.7 | 6.5 | 8.4 | 10.7 | 13.1 | 13.5 |
| 38° | 4.2 | 6.1 | 8.4 | 10.7 | 13.1 | 13.5 |
| 39° | 4.2 | 6.1 | 7.9 | 10.7 | 12.6 | 13.5 |
| 40° | 3.7 | 5.6 | 7.9 | 10.7 | 12.6 | 13.5 |
| 41° | 3.3 | 5.6 | 7.9 | 10.3 | 12.6 | 13.5 |
| 42° | 2.8 | 5.1 | 7.5 | 10.3 | 12.6 | 13.5 |
| 43° | 2.3 | 5.1 | 7.5 | 10.3 | 12.6 | 13.5 |
| 44° | 2.3 | 4.7 | 7.5 | 10.3 | 12.6 | 13.5 |
| 45° | 1.9 | 4.7 | 7.5 | 10.3 | 12.6 | 13.5 |
| 46° | 1.4 | 4.7 | 7.5 | 10.3 | 12.6 | 13.5 |
| 47° | 1.4 | 4.2 | 7.0 | 10.3 | 12.6 | 13.5 |
| 48° | 0.9 | 4.2 | 7.0 | 10.3 | 12.6 | 13.5 |
| 49° | 0.9 | 4.2 | 7.0 | 10.3 | 12.6 | 14.0 |
| 50° | 0.9 | 4.2 | 7.0 | 9.8 | 12.6 | 14.0 |
| 51° | 0.5 | 4.2 | 7.0 | 9.8 | 12.6 | 14.0 |
| 52° | 0.5 | 4.2 | 6.5 | 9.8 | 13.1 | 14.0 |
| 53° | 0.5 | 3.7 | 6.5 | 9.8 | 13.1 | 14.0 |
| 54° | 0.5 | 3.7 | 6.5 | 9.8 | 13.1 | 13.5 |
| 55° | 0.5 | 3.7 | 6.5 | 9.8 | 12.6 | 13.5 |
| 56° | 0.5 | 3.3 | 6.5 | 9.8 | 12.6 | 13.5 |
| 57° | 0.5 | 3.3 | 6.1 | 9.3 | 12.6 | 13.1 |
| 58° | 0.5 | 3.3 | 6.1 | 9.3 | 12.6 | 13.1 |
| 59° | 0.5 | 3.3 | 6.1 | 9.3 | 12.1 | 13.1 |
| 60° | 0.9 | 2.8 | 5.6 | 8.9 | 12.1 | 13.1 |
| 62.5° | 0.9 | 2.8 | 5.6 | 8.9 | 11.7 | 12.6 |
| 65° | 0.9 | 2.8 | 5.1 | 8.4 | 11.7 | 12.6 |



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CATALOG NUMBER: LDSQA3D05R209027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9 | 2.3 | 4.7 | 7.9 | 11.2 | 12.1 |
| 70° | 0.9 | 2.8 | 4.7 | 7.5 | 10.7 | 11.7 |
| 72.5° | 1.4 | 2.3 | 4.2 | 7.0 | 10.3 | 11.2 |
| 75° | 1.4 | 2.3 | 4.2 | 6.5 | 9.8 | 10.3 |
| 77.5° | 1.9 | 2.3 | 3.7 | 5.6 | 8.9 | 9.3 |
| 80° | 1.9 | 2.3 | 3.3 | 4.7 | 7.5 | 7.9 |
| 82.5° | 1.9 | 2.3 | 2.3 | 3.7 | 5.6 | 6.1 |
| 85° | 1.4 | 1.9 | 1.9 | 2.3 | 3.7 | 4.2 |
| 87.5° | 1.4 | 1.9 | 1.4 | 0.9 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)