

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: P1311778

Luminaire Tested: LDSQA3D20R309040D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309040D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

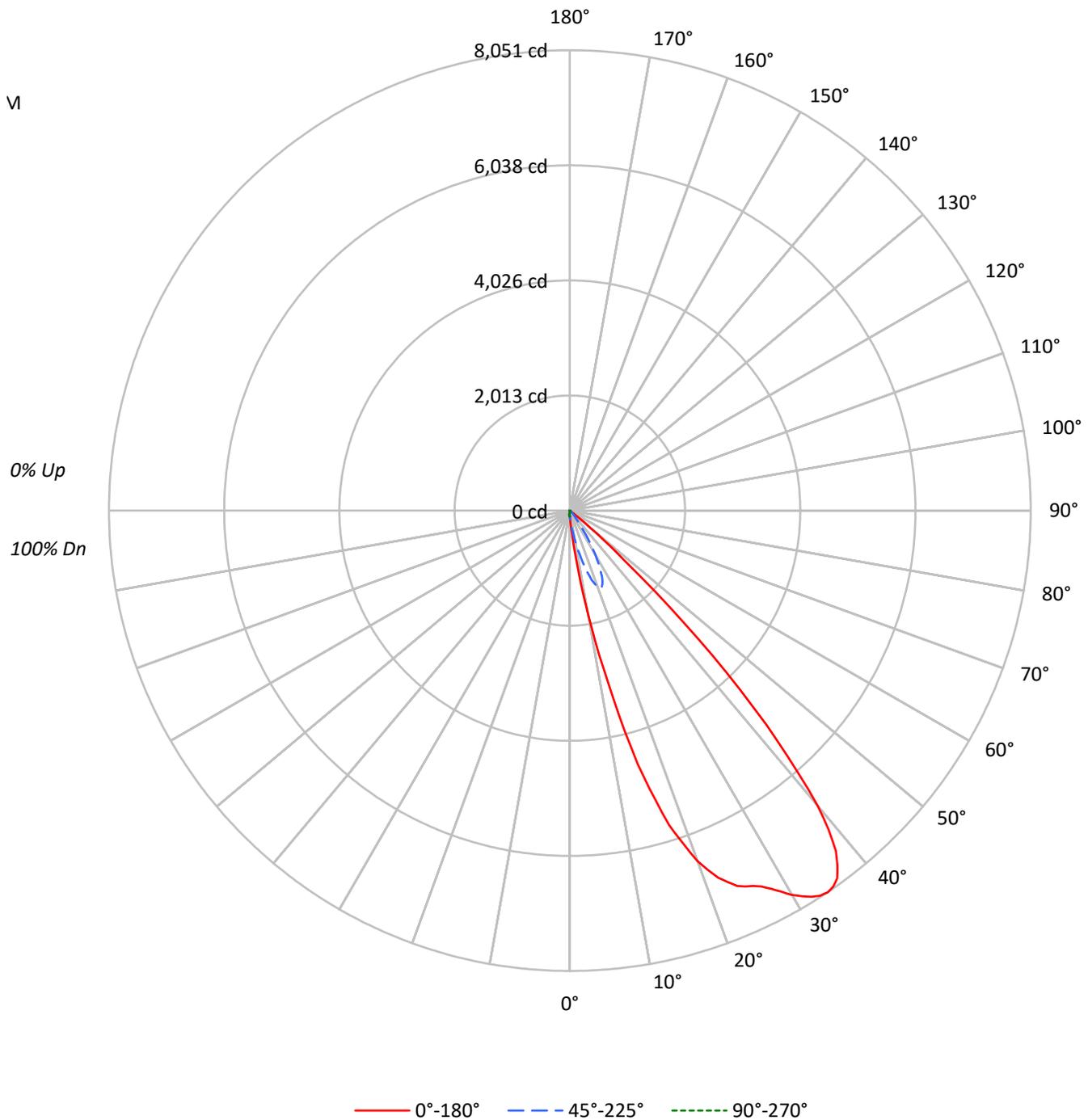
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1311778

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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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 17859 | 17859 | 17859 | 17859 | 17859 |
| 5° | 64778 | 40247 | 16354 | 6604 | 4720 |
| 10° | 320607 | 96376 | 12714 | 1277 | 0 |
| 15° | 817817 | 183540 | 8113 | 0 | 0 |
| 20° | 1194975 | 260984 | 3336 | 0 | 0 |
| 25° | 1378605 | 256099 | 684 | 0 | 0 |
| 30° | 1542918 | 175777 | 0 | 0 | 0 |
| 35° | 1687427 | 75709 | 0 | 0 | 0 |
| 40° | 1514505 | 29429 | 0 | 0 | 0 |
| 45° | 773423 | 11959 | 0 | 0 | 0 |
| 50° | 119390 | 1474 | 0 | 0 | 0 |
| 55° | 7086 | 0 | 540 | 0 | 0 |
| 60° | 0 | 0 | 620 | 0 | 0 |
| 65° | 0 | 0 | 1467 | 0 | 0 |
| 70° | 0 | 906 | 1813 | 0 | 0 |
| 75° | 0 | 1198 | 3660 | 0 | 0 |
| 80° | 0 | 1785 | 5455 | 0 | 0 |
| 85° | 0 | 3557 | 10868 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 773423 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 21.6 | 1.1 |
| 10°-20° | 258.2 | 13.3 |
| 20°-30° | 638.1 | 32.9 |
| 30°-40° | 733.8 | 37.9 |
| 40°-50° | 272.2 | 14.0 |
| 50°-60° | 9.9 | 0.5 |
| 60°-70° | 0.9 | 0.0 |
| 70°-80° | 1.6 | 0.1 |
| 80°-90° | 1.5 | 0.1 |
| 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° | 918.0 | 47.4 |
| 0°-40° | 1651.8 | 85.2 |
| 0°-60° | 1933.9 | 99.8 |
| 0°-90° | 1938.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1938.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 104 | 104 | 104 | 104 | 104 | |
| 5° | 375 | 233 | 95 | 38 | 27 | 81 |
| 15° | 4587 | 1029 | 46 | 0 | 0 | 1319 |
| 25° | 7255 | 1348 | 4 | 0 | 0 | 3352 |
| 35° | 8026 | 360 | 0 | 0 | 0 | 4866 |
| 45° | 3176 | 49 | 0 | 0 | 0 | 2473 |
| 55° | 24 | 0 | 2 | 0 | 0 | 81 |
| 65° | 0 | 0 | 4 | 0 | 0 | 0 |
| 75° | 0 | 2 | 6 | 0 | 0 | 0 |
| 85° | 0 | 2 | 6 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311778

CATALOG NUMBER: LDSQA3D20R309040D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 0° | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 |
| 2.5° | 183.7 | 185.5 | 185.5 | 180.1 | 178.2 | 176.4 | 171.0 | 154.6 | 129.1 | 103.7 | 83.7 |
| 5° | 374.7 | 376.5 | 376.5 | 365.6 | 343.7 | 321.9 | 303.7 | 232.8 | 149.1 | 94.6 | 61.8 |
| 7.5° | 883.9 | 885.7 | 847.5 | 803.9 | 716.6 | 671.1 | 587.4 | 358.3 | 169.1 | 85.5 | 40.0 |
| 10° | 1833.3 | 1793.2 | 1693.2 | 1565.9 | 1431.3 | 1256.7 | 1080.3 | 551.1 | 183.7 | 72.7 | 25.5 |
| 12.5° | 3064.5 | 3026.3 | 2897.2 | 2715.3 | 2451.6 | 2109.7 | 1775.1 | 774.8 | 185.5 | 58.2 | 14.5 |
| 15° | 4586.8 | 4479.5 | 4324.9 | 4023.0 | 3633.8 | 3104.5 | 2551.6 | 1029.4 | 178.2 | 45.5 | 3.6 |
| 17.5° | 5767.1 | 5668.9 | 5472.5 | 5119.7 | 4635.9 | 4048.4 | 3370.1 | 1271.3 | 158.2 | 29.1 | 0.0 |
| 20° | 6520.1 | 6416.4 | 6232.7 | 5921.7 | 5407.0 | 4717.7 | 3941.1 | 1424.0 | 130.9 | 18.2 | 0.0 |
| 21° | 6734.7 | 6634.6 | 6454.6 | 6145.4 | 5632.5 | 4945.1 | 4081.2 | 1456.8 | 118.2 | 14.5 | 0.0 |
| 22° | 6923.8 | 6845.6 | 6678.3 | 6341.8 | 5819.9 | 5112.4 | 4223.0 | 1460.4 | 109.1 | 10.9 | 0.0 |
| 23° | 7056.6 | 7000.2 | 6832.9 | 6523.7 | 6003.6 | 5248.8 | 4299.4 | 1438.6 | 98.2 | 7.3 | 0.0 |
| 24° | 7183.9 | 7114.8 | 6971.1 | 6683.7 | 6149.0 | 5363.4 | 4368.5 | 1398.6 | 87.3 | 5.5 | 0.0 |
| 25° | 7254.8 | 7174.8 | 7063.9 | 6794.7 | 6269.1 | 5436.1 | 4410.4 | 1347.7 | 76.4 | 3.6 | 0.0 |
| 26° | 7303.9 | 7242.1 | 7120.2 | 6860.2 | 6320.0 | 5483.4 | 4415.8 | 1273.1 | 69.1 | 1.8 | 0.0 |
| 27° | 7378.5 | 7316.7 | 7198.4 | 6918.4 | 6341.8 | 5476.1 | 4383.1 | 1187.6 | 60.0 | 0.0 | 0.0 |
| 28° | 7491.3 | 7409.4 | 7291.2 | 6980.2 | 6350.9 | 5445.2 | 4310.3 | 1094.9 | 50.9 | 0.0 | 0.0 |
| 29° | 7620.4 | 7536.7 | 7407.6 | 7062.0 | 6352.7 | 5383.4 | 4195.8 | 993.0 | 45.5 | 0.0 | 0.0 |
| 30° | 7758.6 | 7685.9 | 7554.9 | 7142.1 | 6372.8 | 5303.4 | 4063.0 | 883.9 | 36.4 | 0.0 | 0.0 |
| 31° | 7867.7 | 7802.3 | 7662.2 | 7214.8 | 6389.1 | 5234.2 | 3899.3 | 774.8 | 30.9 | 0.0 | 0.0 |
| 32° | 7962.3 | 7904.1 | 7731.3 | 7231.2 | 6356.4 | 5136.0 | 3724.7 | 669.3 | 25.5 | 0.0 | 0.0 |
| 33° | 8027.8 | 7955.0 | 7753.1 | 7189.3 | 6261.8 | 4974.2 | 3530.1 | 569.3 | 20.0 | 0.0 | 0.0 |
| 34° | 8051.4 | 7964.1 | 7720.4 | 7080.2 | 6070.8 | 4728.6 | 3277.3 | 465.6 | 16.4 | 0.0 | 0.0 |
| 35° | 8026.0 | 7918.7 | 7602.2 | 6892.9 | 5812.6 | 4435.8 | 2973.6 | 360.1 | 12.7 | 0.0 | 0.0 |
| 36° | 7944.1 | 7807.7 | 7433.1 | 6625.6 | 5443.4 | 4090.3 | 2669.9 | 280.1 | 9.1 | 0.0 | 0.0 |
| 37° | 7767.7 | 7616.7 | 7143.9 | 6272.7 | 5077.8 | 3693.8 | 2324.3 | 218.2 | 5.5 | 0.0 | 0.0 |
| 38° | 7551.3 | 7333.0 | 6758.3 | 5827.1 | 4605.0 | 3248.2 | 1982.4 | 180.1 | 3.6 | 0.0 | 0.0 |
| 39° | 7182.1 | 6942.0 | 6300.0 | 5314.3 | 4141.2 | 2824.5 | 1649.6 | 156.4 | 1.8 | 0.0 | 0.0 |
| 40° | 6736.5 | 6451.0 | 5776.2 | 4765.0 | 3593.8 | 2380.7 | 1376.8 | 130.9 | 1.8 | 0.0 | 0.0 |
| 42.5° | 5081.5 | 4839.6 | 4113.9 | 3240.9 | 2197.0 | 1404.0 | 763.9 | 85.5 | 0.0 | 0.0 | 0.0 |
| 45° | 3175.5 | 2922.7 | 2431.6 | 1776.9 | 1189.4 | 727.5 | 367.4 | 49.1 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1296.7 | 1189.4 | 978.5 | 752.9 | 538.3 | 341.9 | 152.8 | 21.8 | 0.0 | 0.0 | 0.0 |
| 50° | 445.6 | 396.5 | 332.8 | 243.7 | 172.8 | 118.2 | 80.0 | 5.5 | 0.0 | 0.0 | 0.0 |
| 52.5° | 129.1 | 130.9 | 114.6 | 98.2 | 76.4 | 54.6 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 23.6 | 20.0 | 23.6 | 21.8 | 23.6 | 20.0 | 14.5 | 0.0 | 0.0 | 1.8 | 0.0 |
| 57.5° | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 | 1.8 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 1.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 3.6 | 1.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 3.6 | 1.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 5.5 | 1.8 |
| 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: P1311778

CATALOG NUMBER: LDSQA3D20R309040D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|-------|--------|-------|
| 0° | 103.7 | 103.7 | 103.7 |
| 2.5° | 67.3 | 60.0 | 56.4 |
| 5° | 38.2 | 29.1 | 27.3 |
| 7.5° | 20.0 | 12.7 | 10.9 |
| 10° | 7.3 | 1.8 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)