

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: P1311975

Luminaire Tested: LDSQA3D24R509040D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R509040D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

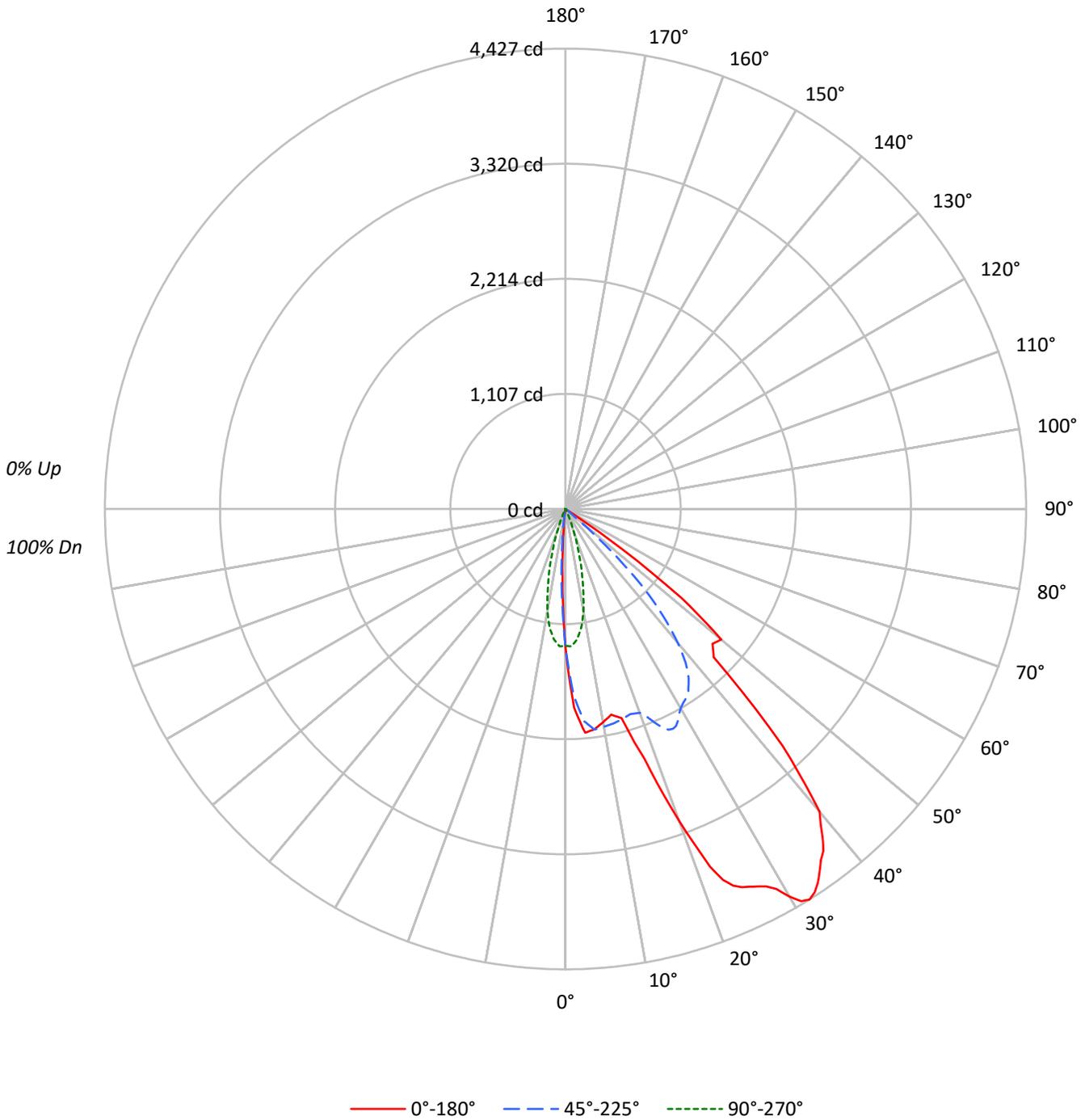
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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: P1311975
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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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 | |
| 2 | 105 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 89 | 86 | 84 | 82 | |
| 3 | 98 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 75 | 82 | 78 | 75 | 74 | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 70 | 77 | 72 | 69 | 75 | 71 | 68 | 75 | 71 | 68 | 66 | |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 69 | 65 | 61 | 59 | |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 64 | 59 | 55 | 54 | |
| 7 | 75 | 64 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 50 | 59 | 54 | 50 | 59 | 54 | 50 | 48 | |
| 8 | 70 | 59 | 51 | 46 | 69 | 58 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 46 | 55 | 49 | 46 | 44 | |
| 9 | 66 | 54 | 47 | 42 | 64 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 45 | 42 | 51 | 45 | 42 | 40 | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 226576 | 226576 | 226576 | 226576 | 226576 |
| 5° | 373335 | 354284 | 217743 | 64675 | 32346 |
| 10° | 363837 | 371829 | 174460 | 3270 | 4354 |
| 15° | 370949 | 373178 | 104500 | 3334 | 1105 |
| 20° | 584722 | 382074 | 43051 | 0 | 0 |
| 25° | 762273 | 445118 | 10261 | 0 | 0 |
| 30° | 855599 | 440189 | 418 | 0 | 0 |
| 35° | 895370 | 433483 | 0 | 0 | 0 |
| 40° | 854184 | 376620 | 0 | 0 | 0 |
| 45° | 490529 | 248553 | 0 | 0 | 0 |
| 50° | 523457 | 28401 | 0 | 0 | 0 |
| 55° | 149140 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 723 | 0 | 0 |
| 65° | 0 | 856 | 856 | 0 | 0 |
| 70° | 0 | 1057 | 1057 | 0 | 0 |
| 75° | 0 | 1397 | 1397 | 0 | 0 |
| 80° | 0 | 2083 | 4166 | 2083 | 0 |
| 85° | 0 | 4150 | 8299 | 4150 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 541652 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.5 | 5.2 |
| 10°-20° | 278.4 | 13.1 |
| 20°-30° | 534.7 | 25.2 |
| 30°-40° | 622.4 | 29.4 |
| 40°-50° | 445.4 | 21.0 |
| 50°-60° | 124.0 | 5.9 |
| 60°-70° | 0.8 | 0.0 |
| 70°-80° | 1.3 | 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° | 923.6 | 43.6 |
| 0°-40° | 1546.0 | 73.0 |
| 0°-60° | 2115.4 | 99.8 |
| 0°-90° | 2119.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2119.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1316 | 1316 | 1316 | 1316 | 1316 | |
| 5° | 2160 | 2049 | 1260 | 374 | 187 | 198 |
| 15° | 2080 | 2093 | 586 | 19 | 6 | 671 |
| 25° | 4011 | 2342 | 54 | 0 | 0 | 1825 |
| 35° | 4259 | 2062 | 0 | 0 | 0 | 2635 |
| 45° | 2014 | 1020 | 0 | 0 | 0 | 1894 |
| 55° | 497 | 0 | 0 | 0 | 0 | 625 |
| 65° | 0 | 2 | 2 | 0 | 0 | 0 |
| 75° | 0 | 2 | 2 | 0 | 0 | 0 |
| 85° | 0 | 2 | 4 | 2 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311975
 CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 |
| 2.5° | 1912.2 | 1922.6 | 1924.6 | 1899.7 | 1903.8 | 1868.5 | 1870.6 | 1845.6 | 1785.4 | 1575.5 | 1321.9 |
| 5° | 2159.5 | 2153.3 | 2159.5 | 2151.2 | 2159.5 | 2138.7 | 2126.2 | 2115.8 | 2049.3 | 1752.1 | 1259.5 |
| 7.5° | 2136.6 | 2128.3 | 2140.8 | 2144.9 | 2159.5 | 2153.3 | 2155.3 | 2161.6 | 2138.7 | 1847.7 | 1153.5 |
| 10° | 2080.5 | 2078.4 | 2084.7 | 2084.7 | 2101.3 | 2103.4 | 2111.7 | 2124.2 | 2126.2 | 1881.0 | 997.6 |
| 12.5° | 2026.5 | 2020.2 | 2020.2 | 2018.2 | 2026.5 | 2024.4 | 2045.2 | 2074.3 | 2113.8 | 1860.2 | 783.6 |
| 15° | 2080.5 | 2074.3 | 2066.0 | 2043.1 | 2026.5 | 2007.8 | 2009.8 | 2028.6 | 2093.0 | 1806.2 | 586.1 |
| 17.5° | 2517.0 | 2483.7 | 2442.2 | 2369.4 | 2292.5 | 2159.5 | 2080.5 | 2030.6 | 2068.0 | 1723.0 | 390.7 |
| 20° | 3190.4 | 3175.8 | 3109.3 | 2990.9 | 2866.2 | 2670.8 | 2427.6 | 2232.2 | 2084.7 | 1619.1 | 234.9 |
| 21° | 3446.0 | 3437.7 | 3367.1 | 3256.9 | 3115.6 | 2878.6 | 2629.2 | 2394.4 | 2117.9 | 1575.5 | 185.0 |
| 22° | 3707.9 | 3676.8 | 3620.6 | 3498.0 | 3350.4 | 3113.5 | 2835.0 | 2575.2 | 2184.4 | 1519.3 | 141.3 |
| 23° | 3876.3 | 3857.6 | 3797.3 | 3699.6 | 3558.3 | 3327.6 | 3042.8 | 2760.2 | 2248.9 | 1457.0 | 106.0 |
| 24° | 3963.6 | 3957.3 | 3909.5 | 3840.9 | 3720.4 | 3485.5 | 3215.3 | 2924.4 | 2302.9 | 1384.2 | 76.9 |
| 25° | 4011.4 | 3990.6 | 3961.5 | 3911.6 | 3820.2 | 3616.5 | 3375.4 | 3067.8 | 2342.4 | 1311.5 | 54.0 |
| 26° | 4040.5 | 4028.0 | 3982.3 | 3938.6 | 3851.3 | 3685.1 | 3479.3 | 3155.1 | 2352.8 | 1222.1 | 37.4 |
| 27° | 4073.7 | 4044.6 | 4001.0 | 3949.0 | 3851.3 | 3705.8 | 3518.8 | 3192.5 | 2340.3 | 1130.7 | 24.9 |
| 28° | 4109.1 | 4088.3 | 4028.0 | 3961.5 | 3845.1 | 3705.8 | 3504.2 | 3142.6 | 2302.9 | 1043.4 | 14.5 |
| 29° | 4177.7 | 4150.6 | 4075.8 | 3978.1 | 3847.2 | 3701.7 | 3448.1 | 3038.7 | 2253.0 | 945.7 | 8.3 |
| 30° | 4302.4 | 4246.2 | 4154.8 | 4017.6 | 3861.7 | 3693.4 | 3354.6 | 2882.8 | 2213.5 | 835.5 | 2.1 |
| 31° | 4400.0 | 4368.9 | 4262.9 | 4090.4 | 3903.3 | 3670.5 | 3244.4 | 2729.0 | 2186.5 | 739.9 | 0.0 |
| 32° | 4427.1 | 4404.2 | 4327.3 | 4165.2 | 3974.0 | 3651.8 | 3119.7 | 2579.3 | 2165.7 | 633.9 | 0.0 |
| 33° | 4395.9 | 4381.3 | 4300.3 | 4152.7 | 3992.7 | 3626.9 | 2976.3 | 2431.8 | 2142.9 | 538.3 | 0.0 |
| 34° | 4337.7 | 4319.0 | 4248.3 | 4098.7 | 3944.9 | 3518.8 | 2839.1 | 2319.5 | 2109.6 | 448.9 | 0.0 |
| 35° | 4258.7 | 4244.2 | 4171.4 | 4023.8 | 3857.6 | 3350.4 | 2702.0 | 2244.7 | 2061.8 | 359.6 | 0.0 |
| 36° | 4173.5 | 4169.3 | 4075.8 | 3930.3 | 3745.3 | 3188.3 | 2535.7 | 2188.6 | 2014.0 | 284.7 | 0.0 |
| 37° | 4117.4 | 4096.6 | 3994.8 | 3851.3 | 3612.3 | 2999.2 | 2402.7 | 2169.9 | 1947.5 | 220.3 | 0.0 |
| 38° | 4015.5 | 4019.7 | 3903.3 | 3772.4 | 3477.2 | 2835.0 | 2294.6 | 2155.3 | 1872.7 | 160.0 | 0.0 |
| 39° | 3895.0 | 3897.1 | 3776.5 | 3664.3 | 3317.2 | 2662.5 | 2205.2 | 2140.8 | 1779.1 | 101.8 | 0.0 |
| 40° | 3799.4 | 3797.3 | 3660.1 | 3539.6 | 3144.7 | 2500.4 | 2157.4 | 2120.0 | 1675.2 | 58.2 | 0.0 |
| 42.5° | 3088.6 | 3101.0 | 3117.7 | 3167.5 | 2739.4 | 2215.6 | 2111.7 | 2003.6 | 1380.1 | 0.0 | 0.0 |
| 45° | 2014.0 | 2061.8 | 2074.3 | 2223.9 | 2221.8 | 2099.2 | 2003.6 | 1795.8 | 1020.5 | 0.0 | 0.0 |
| 47.5° | 1916.3 | 1930.9 | 1957.9 | 2016.1 | 2047.3 | 1987.0 | 1791.6 | 1500.6 | 557.0 | 0.0 | 0.0 |
| 50° | 1953.7 | 1951.7 | 1957.9 | 1957.9 | 1901.8 | 1745.9 | 1469.5 | 1107.8 | 106.0 | 0.0 | 0.0 |
| 52.5° | 1402.9 | 1454.9 | 1511.0 | 1536.0 | 1463.2 | 1299.0 | 1072.5 | 650.6 | 0.0 | 0.0 | 0.0 |
| 55° | 496.7 | 480.1 | 467.6 | 511.3 | 500.9 | 563.3 | 465.6 | 151.7 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 2.1 | 8.3 | 18.7 | 24.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 4.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 4.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 4.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 4.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 4.2 |
| 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: P1311975
 CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1315.6 | 1315.6 | 1315.6 | 1315.6 |
| 2.5° | 1053.8 | 808.5 | 654.7 | 665.1 |
| 5° | 739.9 | 374.1 | 230.7 | 187.1 |
| 7.5° | 442.7 | 114.3 | 22.9 | 18.7 |
| 10° | 207.8 | 18.7 | 20.8 | 24.9 |
| 12.5° | 62.4 | 16.6 | 22.9 | 20.8 |
| 15° | 16.6 | 18.7 | 10.4 | 6.2 |
| 17.5° | 6.2 | 8.3 | 0.0 | 0.0 |
| 20° | 4.2 | 0.0 | 0.0 | 0.0 |
| 21° | 4.2 | 0.0 | 0.0 | 0.0 |
| 22° | 2.1 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.1 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 70° | 2.1 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 75° | 2.1 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 80° | 2.1 | 2.1 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 2.1 | 2.1 | 0.0 | 0.0 |
| 85° | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 2.1 | 2.1 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)