

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: P1318203

Luminaire Tested: LDSQA3D09R309830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318203
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: LDSQA3D09R309830DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

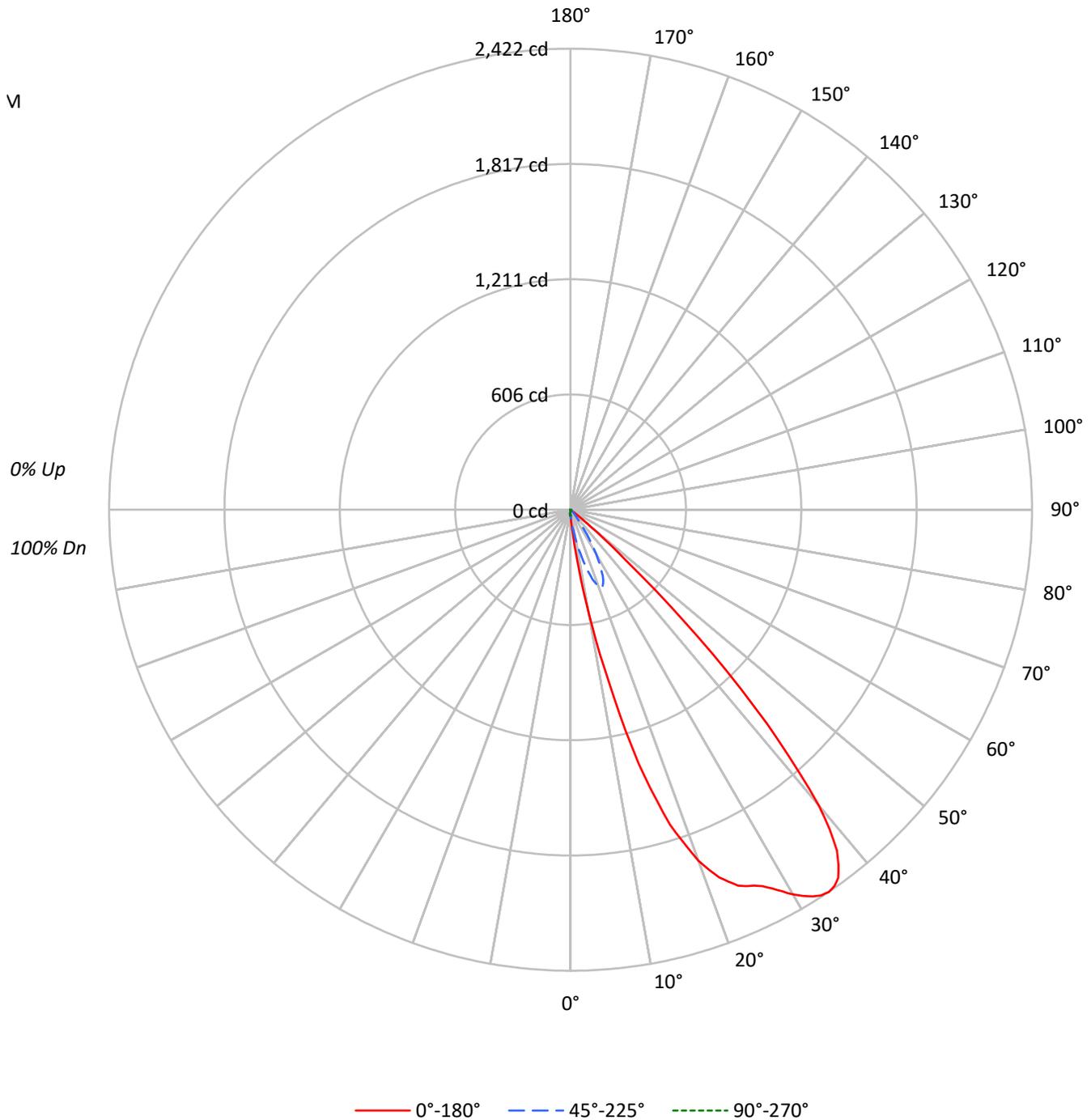
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 583.0 lumens
Efficiency: N/A
Efficacy: 53.0 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): 11
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1318203

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 5373 | 5373 | 5373 | 5373 | 5373 |
| 5° | 19484 | 12102 | 4910 | 1988 | 1418 |
| 10° | 96446 | 28995 | 3830 | 385 | 0 |
| 15° | 246016 | 55219 | 2443 | 0 | 0 |
| 20° | 359477 | 78515 | 1008 | 0 | 0 |
| 25° | 414714 | 77037 | 209 | 0 | 0 |
| 30° | 464152 | 52878 | 0 | 0 | 0 |
| 35° | 507616 | 22770 | 0 | 0 | 0 |
| 40° | 455599 | 8858 | 0 | 0 | 0 |
| 45° | 232672 | 3605 | 0 | 0 | 0 |
| 50° | 35903 | 429 | 0 | 0 | 0 |
| 55° | 2132 | 0 | 150 | 0 | 0 |
| 60° | 0 | 0 | 172 | 0 | 0 |
| 65° | 0 | 0 | 448 | 0 | 0 |
| 70° | 0 | 252 | 554 | 0 | 0 |
| 75° | 0 | 333 | 1065 | 0 | 0 |
| 80° | 0 | 496 | 1587 | 0 | 0 |
| 85° | 0 | 988 | 3162 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 232672 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.5 | 1.1 |
| 10°-20° | 77.7 | 13.3 |
| 20°-30° | 192.0 | 32.9 |
| 30°-40° | 220.8 | 37.9 |
| 40°-50° | 81.9 | 14.0 |
| 50°-60° | 3.0 | 0.5 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.5 | 0.1 |
| 80°-90° | 0.4 | 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° | 276.2 | 47.4 |
| 0°-40° | 496.9 | 85.2 |
| 0°-60° | 581.8 | 99.8 |
| 0°-90° | 583.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 583.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 31 | 31 | 31 | 31 | 31 | |
| 5° | 113 | 70 | 28 | 12 | 8 | 24 |
| 15° | 1380 | 310 | 14 | 0 | 0 | 397 |
| 25° | 2182 | 405 | 1 | 0 | 0 | 1008 |
| 35° | 2414 | 108 | 0 | 0 | 0 | 1464 |
| 45° | 955 | 15 | 0 | 0 | 0 | 744 |
| 55° | 7 | 0 | 0 | 0 | 0 | 24 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 0 | 2 | 0 | 0 | 0 |
| 85° | 0 | 0 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318203

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| 2.5° | 55.3 | 55.8 | 55.8 | 54.2 | 53.6 | 53.1 | 51.4 | 46.5 | 38.8 | 31.2 | 25.2 |
| 5° | 112.7 | 113.3 | 113.3 | 110.0 | 103.4 | 96.8 | 91.4 | 70.0 | 44.9 | 28.4 | 18.6 |
| 7.5° | 265.9 | 266.4 | 255.0 | 241.8 | 215.6 | 201.9 | 176.7 | 107.8 | 50.9 | 25.7 | 12.0 |
| 10° | 551.5 | 539.5 | 509.4 | 471.1 | 430.6 | 378.1 | 325.0 | 165.8 | 55.3 | 21.9 | 7.7 |
| 12.5° | 921.9 | 910.4 | 871.6 | 816.8 | 737.5 | 634.7 | 534.0 | 233.1 | 55.8 | 17.5 | 4.4 |
| 15° | 1379.8 | 1347.5 | 1301.0 | 1210.2 | 1093.1 | 933.9 | 767.6 | 309.7 | 53.6 | 13.7 | 1.1 |
| 17.5° | 1734.9 | 1705.4 | 1646.3 | 1540.1 | 1394.6 | 1217.9 | 1013.8 | 382.4 | 47.6 | 8.8 | 0.0 |
| 20° | 1961.4 | 1930.2 | 1875.0 | 1781.4 | 1626.6 | 1419.2 | 1185.6 | 428.4 | 39.4 | 5.5 | 0.0 |
| 21° | 2026.0 | 1995.9 | 1941.7 | 1848.7 | 1694.4 | 1487.6 | 1227.7 | 438.2 | 35.6 | 4.4 | 0.0 |
| 22° | 2082.9 | 2059.3 | 2009.0 | 1907.8 | 1750.8 | 1537.9 | 1270.4 | 439.3 | 32.8 | 3.3 | 0.0 |
| 23° | 2122.8 | 2105.8 | 2055.5 | 1962.5 | 1806.0 | 1579.0 | 1293.4 | 432.8 | 29.5 | 2.2 | 0.0 |
| 24° | 2161.1 | 2140.3 | 2097.1 | 2010.6 | 1849.8 | 1613.4 | 1314.2 | 420.7 | 26.3 | 1.6 | 0.0 |
| 25° | 2182.4 | 2158.4 | 2125.0 | 2044.0 | 1885.9 | 1635.3 | 1326.8 | 405.4 | 23.0 | 1.1 | 0.0 |
| 26° | 2197.2 | 2178.6 | 2142.0 | 2063.7 | 1901.2 | 1649.5 | 1328.4 | 383.0 | 20.8 | 0.5 | 0.0 |
| 27° | 2219.6 | 2201.0 | 2165.5 | 2081.2 | 1907.8 | 1647.4 | 1318.5 | 357.3 | 18.1 | 0.0 | 0.0 |
| 28° | 2253.6 | 2228.9 | 2193.4 | 2099.8 | 1910.5 | 1638.1 | 1296.7 | 329.4 | 15.3 | 0.0 | 0.0 |
| 29° | 2292.4 | 2267.2 | 2228.4 | 2124.4 | 1911.1 | 1619.5 | 1262.2 | 298.7 | 13.7 | 0.0 | 0.0 |
| 30° | 2334.0 | 2312.1 | 2272.7 | 2148.5 | 1917.1 | 1595.4 | 1222.3 | 265.9 | 10.9 | 0.0 | 0.0 |
| 31° | 2366.8 | 2347.1 | 2305.0 | 2170.4 | 1922.0 | 1574.6 | 1173.0 | 233.1 | 9.3 | 0.0 | 0.0 |
| 32° | 2395.3 | 2377.8 | 2325.8 | 2175.3 | 1912.2 | 1545.0 | 1120.5 | 201.3 | 7.7 | 0.0 | 0.0 |
| 33° | 2415.0 | 2393.1 | 2332.3 | 2162.7 | 1883.7 | 1496.4 | 1061.9 | 171.2 | 6.0 | 0.0 | 0.0 |
| 34° | 2422.1 | 2395.8 | 2322.5 | 2129.9 | 1826.3 | 1422.5 | 985.9 | 140.1 | 4.9 | 0.0 | 0.0 |
| 35° | 2414.4 | 2382.1 | 2286.9 | 2073.6 | 1748.6 | 1334.4 | 894.5 | 108.3 | 3.8 | 0.0 | 0.0 |
| 36° | 2389.8 | 2348.8 | 2236.1 | 1993.1 | 1637.5 | 1230.5 | 803.2 | 84.3 | 2.7 | 0.0 | 0.0 |
| 37° | 2336.7 | 2291.3 | 2149.1 | 1887.0 | 1527.5 | 1111.2 | 699.2 | 65.7 | 1.6 | 0.0 | 0.0 |
| 38° | 2271.6 | 2206.0 | 2033.1 | 1753.0 | 1385.3 | 977.1 | 596.4 | 54.2 | 1.1 | 0.0 | 0.0 |
| 39° | 2160.6 | 2088.3 | 1895.2 | 1598.7 | 1245.8 | 849.7 | 496.2 | 47.1 | 0.5 | 0.0 | 0.0 |
| 40° | 2026.5 | 1940.6 | 1737.6 | 1433.4 | 1081.1 | 716.2 | 414.2 | 39.4 | 0.5 | 0.0 | 0.0 |
| 42.5° | 1528.6 | 1455.9 | 1237.6 | 975.0 | 660.9 | 422.4 | 229.8 | 25.7 | 0.0 | 0.0 | 0.0 |
| 45° | 955.3 | 879.2 | 731.5 | 534.5 | 357.8 | 218.8 | 110.5 | 14.8 | 0.0 | 0.0 | 0.0 |
| 47.5° | 390.1 | 357.8 | 294.3 | 226.5 | 161.9 | 102.9 | 46.0 | 6.6 | 0.0 | 0.0 | 0.0 |
| 50° | 134.0 | 119.3 | 100.1 | 73.3 | 52.0 | 35.6 | 24.1 | 1.6 | 0.0 | 0.0 | 0.0 |
| 52.5° | 38.8 | 39.4 | 34.5 | 29.5 | 23.0 | 16.4 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 7.1 | 6.0 | 7.1 | 6.6 | 7.1 | 6.0 | 4.4 | 0.0 | 0.0 | 0.5 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 0.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.1 | 0.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.1 | 0.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 0.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 0.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 0.5 |



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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 | 0.5 | 1.1 | 1.6 | 0.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.6 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 31.2 | 31.2 | 31.2 |
| 2.5° | 20.2 | 18.1 | 17.0 |
| 5° | 11.5 | 8.8 | 8.2 |
| 7.5° | 6.0 | 3.8 | 3.3 |
| 10° | 2.2 | 0.5 | 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)