

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: P1311324

Luminaire Tested: LDSQA3D09R359040DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359040DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

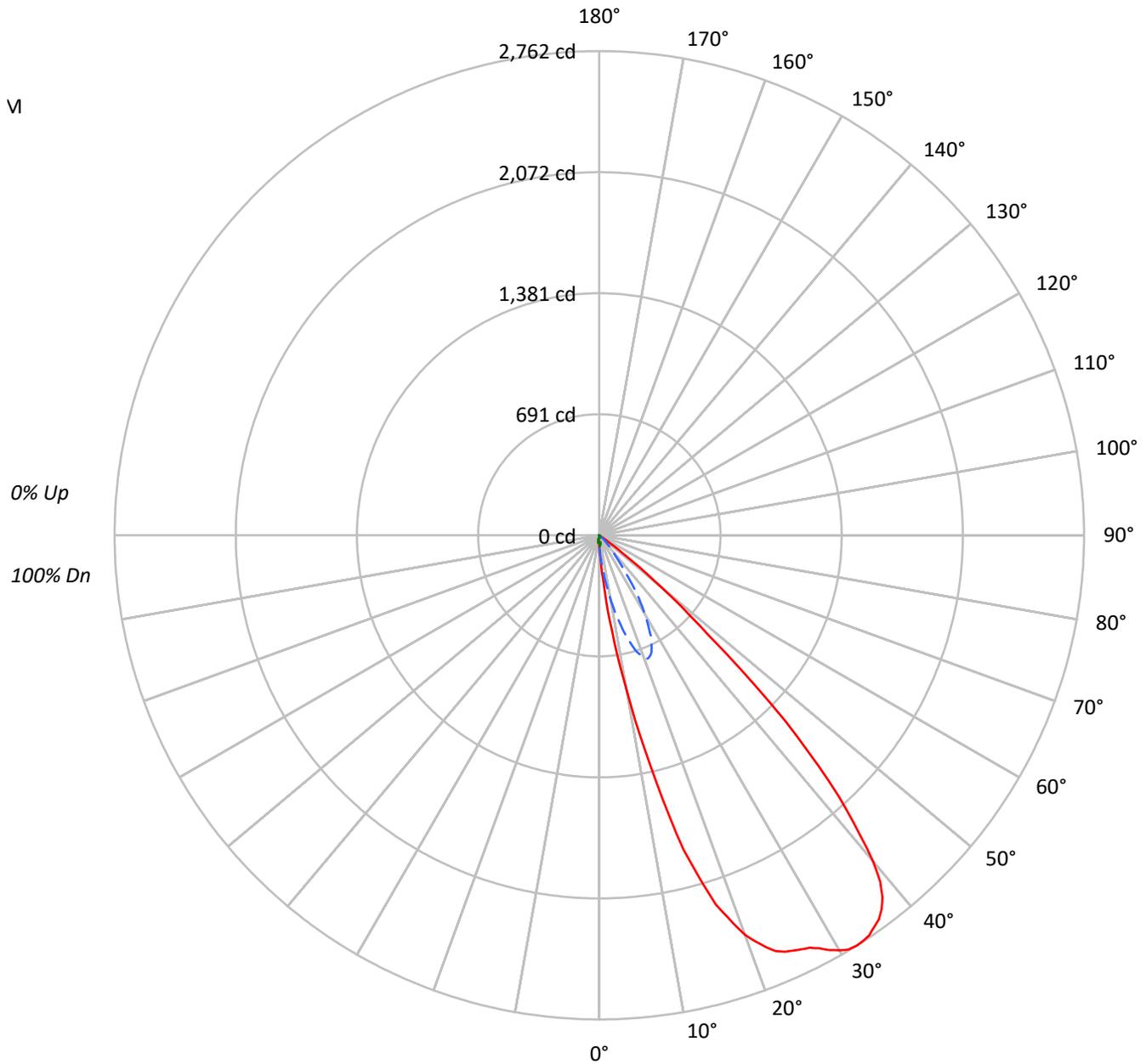
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1311324
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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 | | | | |
| 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 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 82 | 79 | 76 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 10712 | 10712 | 10712 | 10712 | 10712 |
| 5° | 46539 | 28854 | 9941 | 3544 | 2455 |
| 10° | 156640 | 65108 | 7432 | 822 | 280 |
| 15° | 331456 | 106783 | 4636 | 0 | 0 |
| 20° | 444425 | 136449 | 2163 | 0 | 0 |
| 25° | 496692 | 134007 | 456 | 0 | 0 |
| 30° | 543738 | 102674 | 0 | 0 | 0 |
| 35° | 573864 | 55925 | 0 | 0 | 0 |
| 40° | 545527 | 25135 | 0 | 0 | 0 |
| 45° | 366143 | 11106 | 0 | 0 | 0 |
| 50° | 122310 | 1045 | 0 | 0 | 0 |
| 55° | 6606 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 276 | 0 | 0 |
| 65° | 0 | 0 | 652 | 0 | 0 |
| 70° | 0 | 403 | 806 | 0 | 0 |
| 75° | 0 | 532 | 1065 | 0 | 0 |
| 80° | 0 | 793 | 1587 | 0 | 0 |
| 85° | 0 | 1581 | 3162 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 366143 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.4 | 1.6 |
| 10°-20° | 114.5 | 13.9 |
| 20°-30° | 251.2 | 30.4 |
| 30°-40° | 290.5 | 35.2 |
| 40°-50° | 143.4 | 17.4 |
| 50°-60° | 10.6 | 1.3 |
| 60°-70° | 0.4 | 0.0 |
| 70°-80° | 0.6 | 0.1 |
| 80°-90° | 0.5 | 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° | 379.0 | 45.9 |
| 0°-40° | 669.5 | 81.1 |
| 0°-60° | 823.5 | 99.8 |
| 0°-90° | 825.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 825.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 62 | 62 | 62 | 62 | 62 | |
| 5° | 269 | 167 | 58 | 20 | 14 | 46 |
| 15° | 1859 | 599 | 26 | 0 | 0 | 525 |
| 25° | 2614 | 705 | 2 | 0 | 0 | 1208 |
| 35° | 2730 | 266 | 0 | 0 | 0 | 1685 |
| 45° | 1503 | 46 | 0 | 0 | 0 | 1103 |
| 55° | 22 | 0 | 0 | 0 | 0 | 90 |
| 65° | 0 | 0 | 2 | 0 | 0 | 0 |
| 75° | 0 | 1 | 2 | 0 | 0 | 0 |
| 85° | 0 | 1 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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 CATALOG NUMBER: LDSQA3D09R359040DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 2.5° | 123.6 | 126.7 | 125.1 | 125.1 | 124.4 | 120.4 | 113.3 | 111.0 | 102.3 | 81.1 | 63.0 |
| 5° | 269.2 | 270.0 | 267.6 | 255.8 | 245.6 | 236.1 | 215.7 | 206.2 | 166.9 | 99.2 | 57.5 |
| 7.5° | 546.2 | 534.4 | 519.5 | 502.9 | 466.7 | 433.7 | 390.4 | 344.7 | 258.2 | 114.9 | 51.2 |
| 10° | 895.7 | 879.1 | 866.5 | 827.2 | 761.9 | 694.2 | 611.5 | 536.8 | 372.3 | 125.9 | 42.5 |
| 12.5° | 1346.6 | 1337.2 | 1292.3 | 1213.6 | 1116.8 | 1019.2 | 875.2 | 756.4 | 487.2 | 128.3 | 34.6 |
| 15° | 1859.0 | 1843.3 | 1774.8 | 1663.0 | 1531.6 | 1378.1 | 1185.3 | 985.4 | 598.9 | 121.2 | 26.0 |
| 17.5° | 2209.2 | 2200.6 | 2141.6 | 2024.3 | 1873.2 | 1678.0 | 1449.7 | 1200.3 | 691.0 | 106.3 | 18.1 |
| 20° | 2424.9 | 2412.3 | 2357.2 | 2258.0 | 2099.8 | 1896.0 | 1625.3 | 1337.2 | 744.5 | 87.4 | 11.8 |
| 21° | 2480.8 | 2468.2 | 2424.1 | 2321.0 | 2169.9 | 1951.1 | 1673.3 | 1370.3 | 754.8 | 78.7 | 9.4 |
| 22° | 2533.5 | 2520.9 | 2474.5 | 2383.2 | 2233.6 | 2005.4 | 1711.0 | 1395.4 | 753.2 | 71.6 | 7.1 |
| 23° | 2577.6 | 2564.2 | 2518.6 | 2434.3 | 2284.0 | 2053.4 | 1739.4 | 1408.0 | 743.0 | 64.5 | 5.5 |
| 24° | 2600.4 | 2592.5 | 2551.6 | 2472.1 | 2324.9 | 2087.3 | 1759.1 | 1412.8 | 730.4 | 57.5 | 3.9 |
| 25° | 2613.8 | 2604.3 | 2564.2 | 2491.0 | 2351.7 | 2114.0 | 1771.6 | 1408.8 | 705.2 | 51.2 | 2.4 |
| 26° | 2628.0 | 2613.8 | 2568.1 | 2497.3 | 2365.9 | 2126.6 | 1772.4 | 1398.6 | 678.4 | 45.6 | 0.8 |
| 27° | 2640.6 | 2627.2 | 2579.9 | 2502.0 | 2368.2 | 2122.7 | 1766.1 | 1378.9 | 646.2 | 40.1 | 0.8 |
| 28° | 2668.1 | 2653.1 | 2598.8 | 2512.3 | 2370.6 | 2112.4 | 1746.5 | 1352.2 | 603.7 | 35.4 | 0.0 |
| 29° | 2704.3 | 2688.6 | 2626.4 | 2536.7 | 2376.1 | 2101.4 | 1719.7 | 1316.7 | 566.7 | 31.5 | 0.0 |
| 30° | 2734.2 | 2720.0 | 2662.6 | 2567.4 | 2390.3 | 2091.2 | 1688.2 | 1268.7 | 516.3 | 26.8 | 0.0 |
| 31° | 2756.2 | 2742.1 | 2689.3 | 2593.3 | 2402.9 | 2081.7 | 1648.9 | 1219.1 | 470.7 | 23.6 | 0.0 |
| 32° | 2761.8 | 2750.0 | 2700.4 | 2604.3 | 2402.9 | 2067.6 | 1612.7 | 1163.3 | 425.8 | 19.7 | 0.0 |
| 33° | 2759.4 | 2747.6 | 2697.2 | 2596.5 | 2381.6 | 2033.7 | 1568.6 | 1096.4 | 374.6 | 17.3 | 0.0 |
| 34° | 2750.7 | 2736.6 | 2683.1 | 2571.3 | 2339.9 | 1976.3 | 1504.8 | 1029.5 | 321.1 | 14.2 | 0.0 |
| 35° | 2729.5 | 2716.9 | 2658.7 | 2524.1 | 2275.4 | 1888.9 | 1419.8 | 952.3 | 266.0 | 11.8 | 0.0 |
| 36° | 2709.0 | 2690.1 | 2618.5 | 2465.8 | 2190.4 | 1799.2 | 1318.3 | 863.4 | 218.8 | 9.4 | 0.0 |
| 37° | 2671.2 | 2644.5 | 2572.1 | 2381.6 | 2069.9 | 1672.5 | 1202.6 | 765.8 | 183.4 | 7.1 | 0.0 |
| 38° | 2620.9 | 2584.7 | 2492.6 | 2284.0 | 1948.7 | 1553.6 | 1094.0 | 677.6 | 154.3 | 4.7 | 0.0 |
| 39° | 2543.0 | 2500.5 | 2375.3 | 2150.2 | 1808.6 | 1415.9 | 969.6 | 584.0 | 131.4 | 3.1 | 0.0 |
| 40° | 2426.5 | 2386.3 | 2247.8 | 1991.2 | 1669.3 | 1264.0 | 842.1 | 478.5 | 111.8 | 1.6 | 0.0 |
| 42.5° | 2020.4 | 1965.3 | 1804.7 | 1549.7 | 1234.1 | 909.0 | 557.2 | 266.0 | 74.0 | 0.0 | 0.0 |
| 45° | 1503.3 | 1454.5 | 1297.1 | 1064.9 | 822.5 | 556.4 | 298.3 | 156.6 | 45.6 | 0.0 | 0.0 |
| 47.5° | 849.2 | 843.7 | 741.4 | 611.5 | 458.8 | 295.9 | 151.1 | 94.4 | 19.7 | 0.0 | 0.0 |
| 50° | 456.5 | 428.2 | 369.1 | 280.2 | 191.3 | 129.1 | 81.9 | 51.9 | 3.9 | 0.0 | 0.0 |
| 52.5° | 166.9 | 161.3 | 135.4 | 112.5 | 86.6 | 59.0 | 41.7 | 22.8 | 0.0 | 0.0 | 0.0 |
| 55° | 22.0 | 20.5 | 21.3 | 22.8 | 23.6 | 20.5 | 13.4 | 4.7 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.8 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |



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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 | 0.0 | 0.8 | 1.6 | 1.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.6 |
| 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: P1311324
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 62.2 | 62.2 | 62.2 | 62.2 |
| 2.5° | 48.0 | 37.0 | 31.5 | 30.7 |
| 5° | 33.1 | 20.5 | 15.0 | 14.2 |
| 7.5° | 22.8 | 10.2 | 7.1 | 6.3 |
| 10° | 13.4 | 4.7 | 2.4 | 1.6 |
| 12.5° | 7.9 | 0.8 | 0.0 | 0.0 |
| 15° | 2.4 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 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° | 0.8 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.8 | 0.0 | 0.0 | 0.0 |
| 70° | 0.8 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.8 | 0.0 | 0.0 | 0.0 |
| 75° | 0.8 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.8 | 0.0 | 0.0 | 0.0 |
| 80° | 0.8 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.8 | 0.0 | 0.0 | 0.0 |
| 85° | 0.8 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.8 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)