

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P232426

Luminaire Tested: **AXCL10ARL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29541)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL10ARL
Description: AXCENT RL WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13641 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U5 - G5

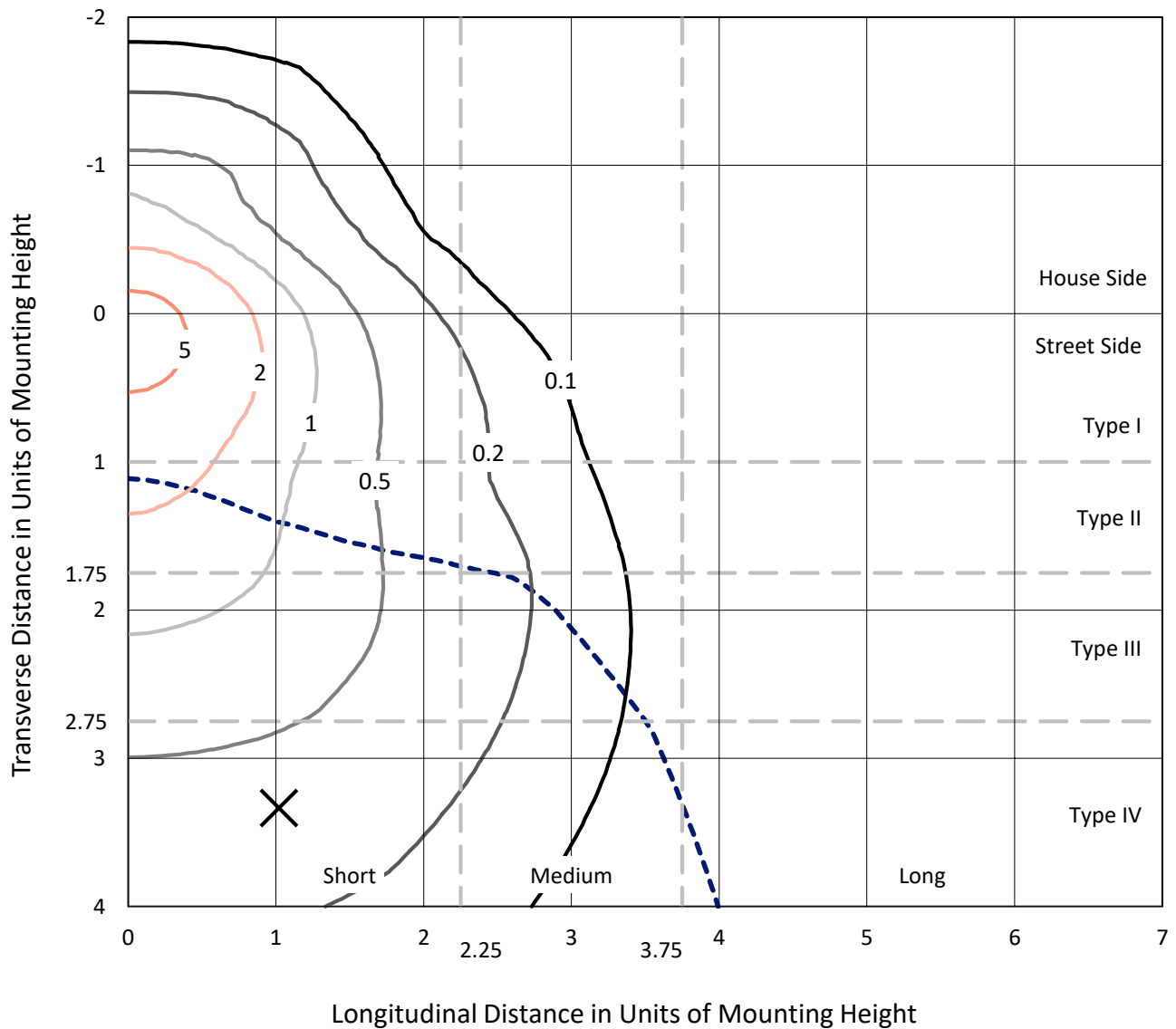
Input Watts (W): 102
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P232426
 CATALOG NUMBER: AXCL10ARL

Iso-Footcandle Lines of Horizontal Illumination

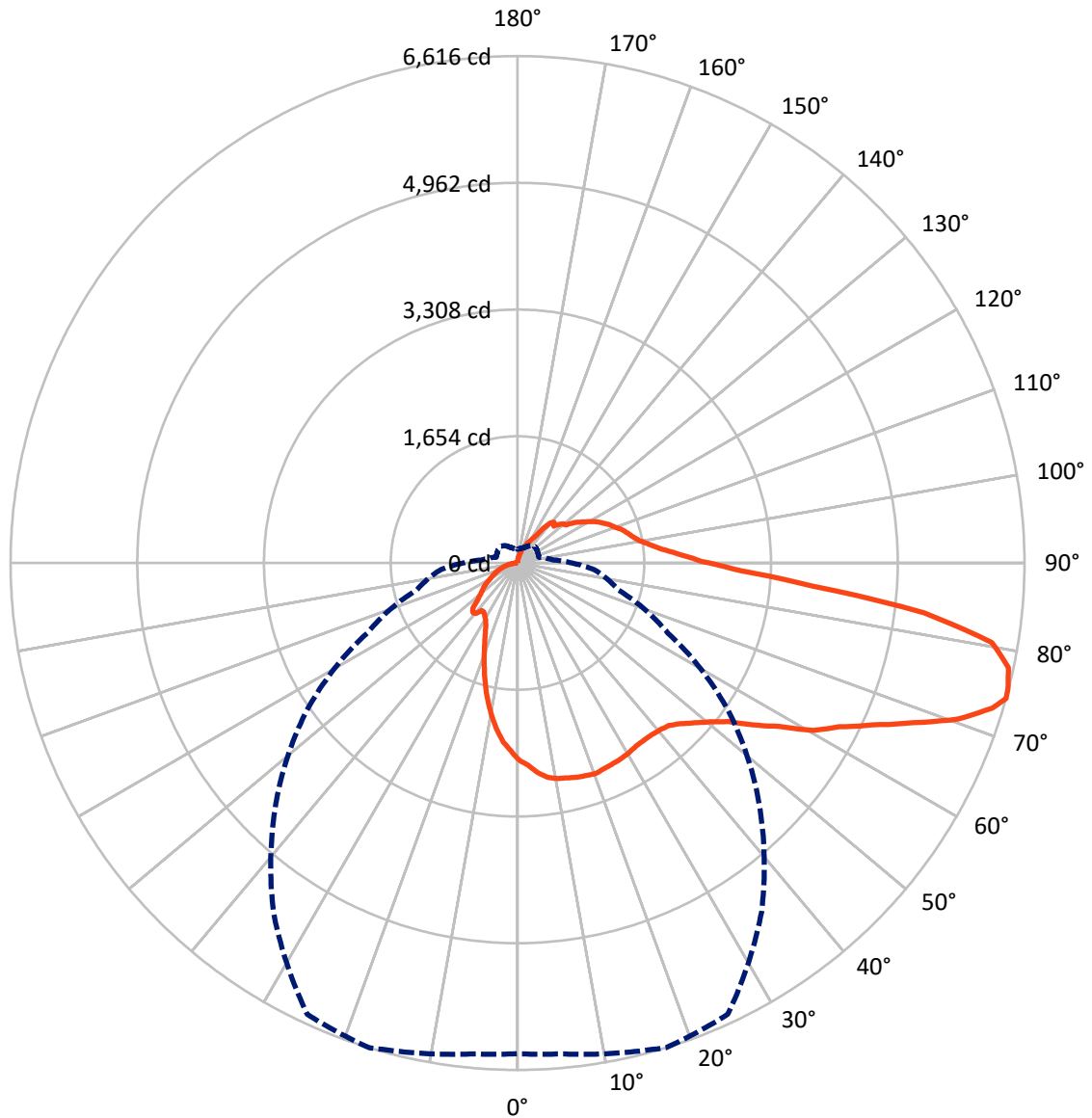
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 17-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2101.1 | 172.8 | 2273.9 |
| | % Fixture | 15.4 | 1.3 | 16.7 |
| Street Side | Lumens | 9171.3 | 2195.8 | 11367.1 |
| | % Fixture | 67.2 | 16.1 | 83.3 |
| Total | Lumens | 11272.4 | 2368.6 | 13641.0 |
| | % Fixture | 82.6 | 17.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 241.9 | 1.8 |
| 10°-20° | 665.6 | 4.9 |
| 20°-30° | 948.6 | 7.0 |
| 30°-40° | 1132.8 | 8.3 |
| 40°-50° | 1302.7 | 9.5 |
| 50°-60° | 1501.1 | 11.0 |
| 60°-70° | 1880.4 | 13.8 |
| 70°-80° | 2244.6 | 16.5 |
| 80°-90° | 1354.8 | 9.9 |
| 90°-100° | 723.3 | 5.3 |
| 100°-110° | 547.1 | 4.0 |
| 110°-120° | 426.8 | 3.1 |
| 120°-130° | 295.4 | 2.2 |
| 130°-140° | 202.0 | 1.5 |
| 140°-150° | 111.7 | 0.8 |
| 150°-160° | 46.3 | 0.3 |
| 160°-170° | 14.4 | 0.1 |
| 170°-180° | 1.4 | 0.0 |
| 0°-90° | 11272.4 | 82.6 |
| 0°-180° | 13641.0 | 100.0 |

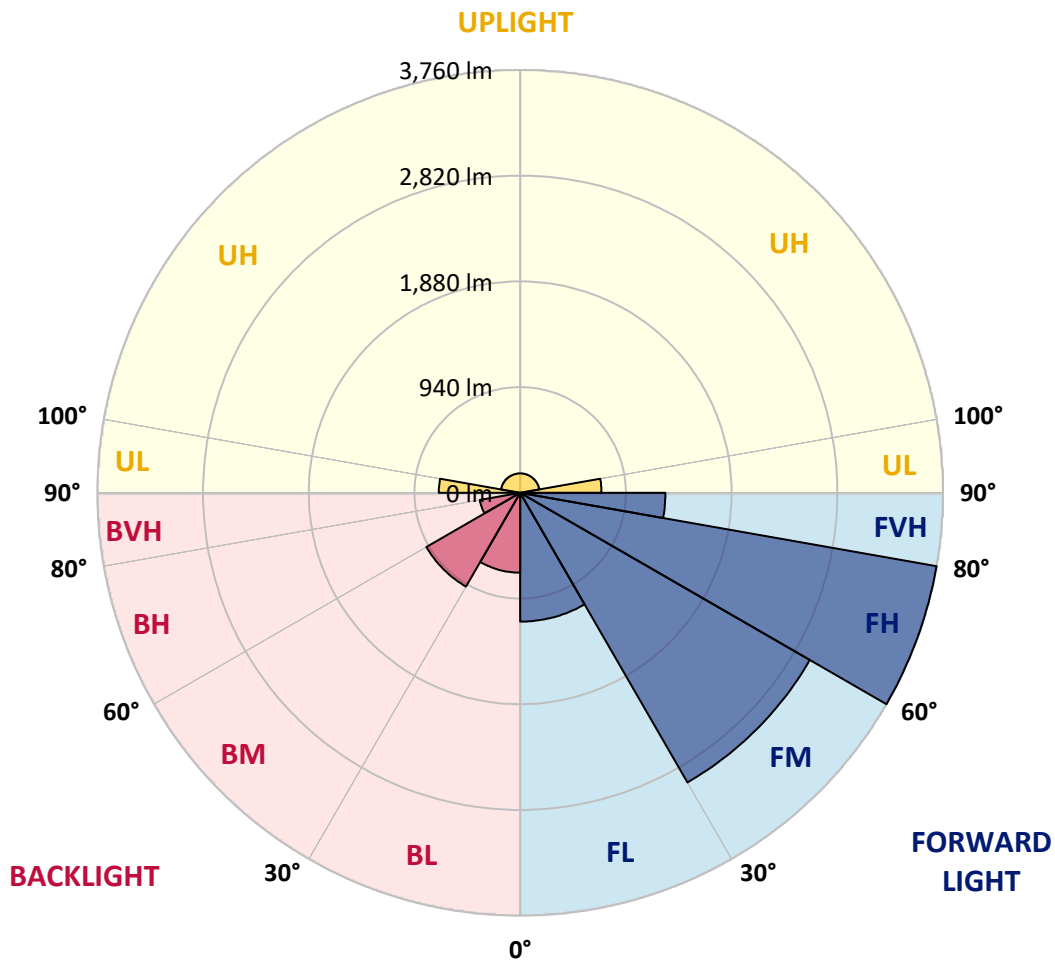


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1145.6 | 8.4 | | | |
| FM (30°-60°) | 2974.0 | 21.8 | | | |
| FH (60°-80°) | 3760.3 | 27.6 | | | G2/5000 |
| FVH (80°-90°) | 1291.4 | 9.5 | | | G5 |
| BL (0°-30°) | 710.4 | 5.2 | B2/1000 | | |
| BM (30°-60°) | 962.5 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 364.7 | 2.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 63.4 | 0.5 | | | G1/100 |
| UL (90°-100°) | 723.3 | 5.3 | | U4/1000 | |
| UH (100°-180°) | 172.8 | 1.3 | | U3/500 | |

BUG Rating: B2-U5-G5
 Type IV Short





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 CATALOG NUMBER: AXCL10ARL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 17° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 |
| 2.5° | 2641.7 | 2638.0 | 2640.8 | 2641.7 | 2641.7 | 2636.1 | 2627.7 | 2619.3 | 2614.7 | 2599.8 | 2587.6 |
| 5° | 2757.3 | 2748.0 | 2749.0 | 2749.0 | 2739.6 | 2720.0 | 2696.7 | 2673.4 | 2652.0 | 2619.3 | 2595.1 |
| 7.5° | 2828.2 | 2827.3 | 2823.6 | 2824.5 | 2812.4 | 2790.9 | 2762.0 | 2725.6 | 2676.2 | 2634.3 | 2588.6 |
| 10° | 2862.7 | 2861.8 | 2859.9 | 2860.9 | 2850.6 | 2826.3 | 2792.8 | 2751.8 | 2695.8 | 2628.7 | 2565.3 |
| 12.5° | 2884.2 | 2886.0 | 2879.5 | 2877.6 | 2868.3 | 2846.9 | 2819.8 | 2768.5 | 2710.7 | 2619.3 | 2539.1 |
| 15° | 2909.3 | 2910.3 | 2900.9 | 2900.9 | 2891.6 | 2865.5 | 2827.3 | 2787.2 | 2715.4 | 2617.5 | 2514.9 |
| 17.5° | 2930.8 | 2932.7 | 2915.9 | 2915.9 | 2896.3 | 2863.6 | 2827.3 | 2779.7 | 2707.0 | 2598.8 | 2477.6 |
| 20° | 2942.9 | 2942.9 | 2930.8 | 2929.9 | 2900.0 | 2854.3 | 2804.0 | 2748.0 | 2679.9 | 2562.5 | 2423.5 |
| 22.5° | 2922.4 | 2923.3 | 2911.2 | 2910.3 | 2890.7 | 2845.0 | 2776.0 | 2715.4 | 2643.6 | 2515.8 | 2357.3 |
| 25° | 2916.8 | 2915.9 | 2900.0 | 2899.1 | 2871.1 | 2832.9 | 2759.2 | 2670.6 | 2593.2 | 2466.4 | 2293.0 |
| 27.5° | 2907.5 | 2909.3 | 2892.6 | 2889.8 | 2860.9 | 2804.9 | 2739.6 | 2634.3 | 2538.2 | 2415.1 | 2234.2 |
| 30° | 2888.8 | 2889.8 | 2873.9 | 2870.2 | 2833.8 | 2777.9 | 2693.0 | 2588.6 | 2485.1 | 2355.4 | 2162.4 |
| 32.5° | 2877.6 | 2878.6 | 2851.5 | 2845.9 | 2806.8 | 2738.7 | 2641.7 | 2544.7 | 2417.9 | 2291.1 | 2090.6 |
| 35° | 2881.4 | 2877.6 | 2847.8 | 2841.3 | 2784.4 | 2706.1 | 2601.6 | 2493.5 | 2363.8 | 2235.2 | 2019.8 |
| 37.5° | 2903.7 | 2900.0 | 2854.3 | 2844.1 | 2779.7 | 2666.0 | 2557.8 | 2441.2 | 2306.0 | 2187.6 | 1949.8 |
| 40° | 2923.3 | 2917.7 | 2875.8 | 2863.6 | 2789.1 | 2654.8 | 2516.8 | 2399.3 | 2276.2 | 2122.3 | 1896.7 |
| 42.5° | 3000.7 | 2993.3 | 2915.9 | 2897.2 | 2797.4 | 2640.8 | 2472.9 | 2354.5 | 2227.7 | 2076.6 | 1826.7 |
| 45° | 3130.3 | 3116.4 | 3015.6 | 2989.5 | 2838.5 | 2629.6 | 2455.2 | 2326.5 | 2187.6 | 1992.7 | 1761.5 |
| 47.5° | 3269.3 | 3258.1 | 3148.1 | 3116.4 | 2933.6 | 2646.4 | 2442.2 | 2307.9 | 2131.7 | 1960.1 | 1704.6 |
| 50° | 3425.9 | 3413.8 | 3296.3 | 3258.1 | 3049.2 | 2697.7 | 2451.5 | 2276.2 | 2078.5 | 1873.4 | 1616.0 |
| 52.5° | 3683.3 | 3656.3 | 3486.5 | 3439.0 | 3198.4 | 2790.9 | 2461.7 | 2268.7 | 2043.1 | 1816.5 | 1569.4 |
| 55° | 3975.2 | 3954.7 | 3780.3 | 3726.2 | 3420.3 | 2921.5 | 2484.1 | 2254.7 | 2004.8 | 1765.2 | 1487.3 |
| 57.5° | 4323.9 | 4297.8 | 4074.9 | 4023.7 | 3699.2 | 3091.2 | 2570.8 | 2218.4 | 1984.3 | 1700.8 | 1420.2 |
| 60° | 4689.4 | 4662.4 | 4488.0 | 4433.9 | 4082.4 | 3332.7 | 2724.7 | 2215.6 | 1967.5 | 1653.3 | 1348.4 |
| 62.5° | 4976.6 | 4947.7 | 4743.5 | 4709.0 | 4436.7 | 3715.0 | 2921.5 | 2268.7 | 1924.6 | 1609.5 | 1280.3 |
| 65° | 5385.1 | 5345.9 | 5142.6 | 5092.3 | 4767.8 | 4084.3 | 3218.0 | 2384.4 | 1873.4 | 1587.1 | 1210.4 |
| 67.5° | 5785.1 | 5768.3 | 5599.5 | 5566.9 | 5305.8 | 4606.5 | 3607.8 | 2595.1 | 1845.4 | 1568.4 | 1137.6 |
| 70° | 6185.1 | 6173.0 | 6089.1 | 6101.2 | 5966.9 | 5233.1 | 4183.1 | 2958.8 | 1902.3 | 1561.9 | 1079.8 |
| 72.5° | 6343.7 | 6345.5 | 6428.5 | 6476.1 | 6406.1 | 5571.6 | 4507.6 | 3409.1 | 2070.1 | 1445.3 | 1035.1 |
| 74° | 6403.3 | 6430.4 | 6578.7 | 6616.0 | 6496.6 | 5553.9 | 4462.9 | 3356.0 | 2165.2 | 1362.4 | 1007.1 |
| 75° | 6439.7 | 6473.3 | 6586.1 | 6609.4 | 6445.3 | 5449.4 | 4378.0 | 3246.0 | 2172.7 | 1311.1 | 987.5 |
| 77.5° | 6486.3 | 6512.4 | 6567.5 | 6548.8 | 6141.3 | 4964.5 | 3959.3 | 2972.7 | 2009.5 | 1200.1 | 935.3 |
| 80° | 6389.4 | 6413.6 | 6384.7 | 6276.5 | 5586.5 | 4345.4 | 3289.8 | 2394.6 | 1728.8 | 1038.8 | 788.9 |
| 82.5° | 5929.6 | 5913.8 | 5576.2 | 5347.8 | 4471.2 | 3289.8 | 2184.8 | 1706.4 | 1412.7 | 937.1 | 545.5 |
| 85° | 4898.3 | 4810.7 | 4067.5 | 3860.5 | 3232.9 | 2367.6 | 1831.4 | 1507.8 | 1258.8 | 906.4 | 375.8 |
| 87.5° | 3438.1 | 3370.9 | 3013.8 | 2910.3 | 2540.1 | 2007.6 | 1644.9 | 1383.8 | 1137.6 | 830.8 | 244.3 |
| 90° | 2744.3 | 2711.7 | 2466.4 | 2399.3 | 2181.1 | 1801.6 | 1490.1 | 1247.7 | 1014.5 | 704.0 | 198.6 |
| 92.5° | 2354.5 | 2329.3 | 2155.9 | 2123.3 | 1952.6 | 1651.4 | 1382.9 | 1149.7 | 896.1 | 570.7 | 180.0 |
| 95° | 2050.5 | 2030.0 | 1893.9 | 1889.2 | 1783.8 | 1542.3 | 1302.7 | 1085.4 | 796.3 | 458.8 | 181.8 |
| 97.5° | 1820.2 | 1805.3 | 1729.8 | 1736.3 | 1658.9 | 1444.4 | 1209.4 | 1032.3 | 701.2 | 386.0 | 192.1 |
| 100° | 1664.5 | 1654.2 | 1594.5 | 1613.2 | 1555.4 | 1361.4 | 1151.6 | 949.3 | 634.1 | 335.7 | 206.1 |
| 102.5° | 1565.6 | 1558.2 | 1515.3 | 1539.5 | 1476.1 | 1307.3 | 1103.1 | 881.2 | 573.5 | 334.8 | 223.8 |
| 105° | 1482.6 | 1478.9 | 1456.5 | 1481.7 | 1444.4 | 1250.5 | 1045.3 | 815.0 | 530.6 | 343.2 | 238.7 |
| 107.5° | 1428.6 | 1427.6 | 1405.2 | 1423.9 | 1355.8 | 1188.0 | 972.6 | 767.4 | 518.5 | 351.5 | 248.0 |



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 CATALOG NUMBER: AXCL10ARL

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 17° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 110° | 1325.1 | 1326.9 | 1331.6 | 1346.5 | 1295.2 | 1123.6 | 917.6 | 715.2 | 517.5 | 354.3 | 249.0 |
| 112.5° | 1284.0 | 1282.2 | 1282.2 | 1290.6 | 1216.9 | 1056.5 | 891.5 | 677.0 | 493.3 | 353.4 | 243.4 |
| 115° | 1226.2 | 1226.2 | 1222.5 | 1221.5 | 1143.2 | 987.5 | 845.8 | 651.8 | 474.6 | 344.1 | 233.1 |
| 117.5° | 1162.8 | 1163.7 | 1147.9 | 1148.8 | 1064.9 | 945.5 | 775.8 | 627.6 | 455.1 | 327.3 | 219.1 |
| 120° | 1078.9 | 1076.1 | 1063.0 | 1061.2 | 993.1 | 877.5 | 711.5 | 561.4 | 424.3 | 314.2 | 203.3 |
| 122.5° | 995.0 | 995.9 | 981.9 | 980.0 | 920.4 | 788.9 | 687.2 | 525.9 | 406.6 | 296.5 | 189.3 |
| 125° | 916.6 | 917.6 | 912.9 | 908.2 | 830.8 | 747.8 | 619.2 | 498.9 | 385.1 | 279.7 | 175.3 |
| 127.5° | 849.5 | 852.3 | 817.8 | 807.5 | 775.8 | 718.9 | 569.7 | 456.0 | 367.4 | 259.2 | 160.4 |
| 130° | 777.7 | 778.6 | 784.2 | 787.0 | 756.2 | 636.9 | 554.8 | 443.9 | 350.6 | 240.6 | 146.4 |
| 132.5° | 773.0 | 772.1 | 751.6 | 739.5 | 676.0 | 607.0 | 497.0 | 419.6 | 327.3 | 225.7 | 133.3 |
| 135° | 706.8 | 703.1 | 680.7 | 675.1 | 644.3 | 584.7 | 508.2 | 417.8 | 321.7 | 211.7 | 121.2 |
| 137.5° | 715.2 | 712.4 | 715.2 | 716.1 | 675.1 | 586.5 | 517.5 | 417.8 | 307.7 | 194.9 | 110.0 |
| 140° | 718.0 | 717.1 | 684.4 | 677.0 | 642.5 | 600.5 | 497.0 | 390.7 | 276.9 | 171.6 | 98.8 |
| 142.5° | 580.9 | 585.6 | 578.1 | 577.2 | 569.7 | 475.6 | 420.5 | 318.9 | 232.2 | 150.1 | 89.5 |
| 145° | 482.1 | 484.9 | 452.3 | 442.0 | 415.0 | 400.0 | 337.6 | 266.7 | 200.5 | 134.3 | 80.2 |
| 147.5° | 361.8 | 363.7 | 370.2 | 373.9 | 370.2 | 319.8 | 276.0 | 235.0 | 173.4 | 121.2 | 70.9 |
| 150° | 337.6 | 337.6 | 319.8 | 321.7 | 304.0 | 279.7 | 252.7 | 217.3 | 158.5 | 109.1 | 62.5 |
| 152.5° | 286.3 | 286.3 | 291.9 | 292.8 | 269.5 | 251.8 | 225.7 | 186.5 | 143.6 | 97.9 | 55.0 |
| 155° | 249.0 | 251.8 | 245.2 | 245.2 | 247.1 | 222.9 | 197.7 | 159.5 | 126.8 | 86.7 | 50.4 |
| 157.5° | 228.5 | 232.2 | 220.1 | 219.1 | 213.5 | 195.8 | 164.1 | 139.9 | 107.2 | 75.5 | 47.6 |
| 160° | 200.5 | 202.3 | 194.0 | 192.1 | 176.2 | 157.6 | 137.1 | 116.6 | 90.5 | 65.3 | 42.9 |
| 162.5° | 153.9 | 156.7 | 149.2 | 148.3 | 138.9 | 129.6 | 114.7 | 94.2 | 73.7 | 54.1 | 37.3 |
| 165° | 125.9 | 126.8 | 124.0 | 124.0 | 119.4 | 102.6 | 89.5 | 75.5 | 58.7 | 42.0 | 30.8 |
| 167.5° | 95.1 | 97.0 | 94.2 | 95.1 | 90.5 | 81.1 | 69.9 | 56.9 | 42.9 | 30.8 | 24.2 |
| 170° | 74.6 | 75.5 | 73.7 | 73.7 | 69.0 | 59.7 | 47.6 | 37.3 | 28.9 | 19.6 | 18.6 |
| 172.5° | 52.2 | 53.2 | 48.5 | 49.4 | 41.0 | 34.5 | 28.0 | 22.4 | 17.7 | 14.9 | 14.9 |
| 175° | 6.5 | 8.4 | 15.9 | 15.9 | 17.7 | 15.9 | 14.9 | 12.1 | 11.2 | 12.1 | 12.1 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P232426
 CATALOG NUMBER: AXCL10ARL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 | 2572.7 |
| 2.5° | 2581.1 | 2573.6 | 2554.1 | 2535.4 | 2510.2 | 2488.8 | 2470.1 | 2455.2 | 2453.4 | 2444.0 | 2443.1 |
| 5° | 2581.1 | 2567.1 | 2528.0 | 2485.1 | 2445.0 | 2411.4 | 2378.8 | 2350.8 | 2341.5 | 2327.5 | 2324.7 |
| 7.5° | 2569.0 | 2545.7 | 2488.8 | 2429.1 | 2363.8 | 2307.0 | 2258.5 | 2213.7 | 2195.1 | 2175.5 | 2169.9 |
| 10° | 2541.0 | 2508.4 | 2430.0 | 2348.0 | 2262.2 | 2181.1 | 2111.1 | 2045.9 | 2016.0 | 1996.4 | 1989.0 |
| 12.5° | 2510.2 | 2468.3 | 2372.2 | 2261.3 | 2150.3 | 2044.9 | 1960.1 | 1890.1 | 1840.7 | 1809.9 | 1800.6 |
| 15° | 2477.6 | 2424.5 | 2303.2 | 2171.7 | 2027.2 | 1914.4 | 1797.8 | 1708.3 | 1652.4 | 1617.9 | 1607.6 |
| 17.5° | 2431.9 | 2368.5 | 2225.8 | 2065.4 | 1902.3 | 1749.3 | 1622.5 | 1525.5 | 1463.1 | 1426.7 | 1415.5 |
| 20° | 2368.5 | 2292.0 | 2127.0 | 1942.4 | 1750.3 | 1580.6 | 1447.2 | 1349.3 | 1286.8 | 1248.6 | 1235.5 |
| 22.5° | 2300.4 | 2211.8 | 2023.5 | 1817.4 | 1605.7 | 1425.8 | 1285.9 | 1190.8 | 1129.2 | 1094.7 | 1097.5 |
| 25° | 2228.6 | 2132.6 | 1923.7 | 1689.7 | 1452.8 | 1279.4 | 1144.2 | 1060.2 | 997.8 | 969.8 | 969.8 |
| 27.5° | 2156.8 | 2050.5 | 1821.1 | 1561.0 | 1315.7 | 1147.9 | 1024.8 | 948.3 | 898.0 | 880.3 | 880.3 |
| 30° | 2076.6 | 1960.1 | 1705.5 | 1427.6 | 1195.4 | 1033.2 | 920.4 | 863.5 | 842.0 | 832.7 | 832.7 |
| 32.5° | 1988.0 | 1871.5 | 1602.0 | 1300.8 | 1082.6 | 931.5 | 837.4 | 815.0 | 803.8 | 801.0 | 801.9 |
| 35° | 1912.5 | 1783.8 | 1493.8 | 1183.3 | 982.8 | 844.8 | 787.9 | 781.4 | 776.8 | 774.9 | 774.9 |
| 37.5° | 1842.6 | 1704.6 | 1384.7 | 1083.5 | 895.2 | 777.7 | 754.4 | 756.2 | 781.4 | 826.2 | 829.9 |
| 40° | 1766.1 | 1627.2 | 1278.4 | 988.4 | 817.8 | 730.1 | 728.3 | 756.2 | 878.4 | 920.4 | 919.4 |
| 42.5° | 1700.8 | 1545.1 | 1180.5 | 908.2 | 749.7 | 696.6 | 702.2 | 836.4 | 878.4 | 869.1 | 870.9 |
| 45° | 1616.9 | 1474.3 | 1094.7 | 824.3 | 690.0 | 666.7 | 715.2 | 838.3 | 830.8 | 794.5 | 794.5 |
| 47.5° | 1559.1 | 1379.1 | 1011.7 | 752.5 | 643.4 | 639.7 | 777.7 | 786.1 | 698.4 | 642.5 | 641.5 |
| 50° | 1472.4 | 1315.7 | 921.3 | 685.4 | 608.9 | 622.0 | 736.7 | 698.4 | 625.7 | 589.3 | 588.4 |
| 52.5° | 1398.7 | 1216.9 | 833.6 | 628.5 | 580.0 | 619.2 | 681.6 | 628.5 | 569.7 | 550.2 | 550.2 |
| 55° | 1329.7 | 1145.1 | 753.4 | 577.2 | 552.0 | 636.0 | 599.6 | 574.4 | 527.8 | 497.9 | 496.1 |
| 57.5° | 1230.9 | 1022.9 | 667.7 | 533.4 | 523.1 | 588.4 | 547.4 | 520.3 | 471.8 | 435.5 | 432.7 |
| 60° | 1155.3 | 929.7 | 584.7 | 496.1 | 493.3 | 528.7 | 517.5 | 467.2 | 410.3 | 385.1 | 383.2 |
| 62.5° | 1064.9 | 858.8 | 515.7 | 459.7 | 457.8 | 463.4 | 478.4 | 414.0 | 367.4 | 346.9 | 345.0 |
| 65° | 982.8 | 765.6 | 461.6 | 423.3 | 424.3 | 414.0 | 439.2 | 365.5 | 329.2 | 308.7 | 308.7 |
| 67.5° | 899.8 | 677.0 | 411.2 | 384.2 | 403.8 | 386.0 | 401.9 | 325.4 | 295.6 | 276.0 | 274.1 |
| 70° | 822.4 | 591.2 | 361.8 | 349.7 | 369.3 | 355.3 | 352.5 | 286.3 | 259.2 | 240.6 | 238.7 |
| 72.5° | 752.5 | 509.1 | 316.1 | 314.2 | 329.2 | 327.3 | 302.1 | 248.0 | 221.9 | 205.1 | 201.4 |
| 74° | 708.7 | 460.6 | 289.1 | 293.7 | 307.7 | 309.6 | 275.1 | 224.7 | 198.6 | 184.6 | 180.0 |
| 75° | 681.6 | 423.3 | 270.4 | 279.7 | 294.7 | 296.5 | 256.4 | 207.9 | 183.7 | 169.7 | 165.0 |
| 77.5° | 595.9 | 324.5 | 229.4 | 255.5 | 268.6 | 263.0 | 214.5 | 167.8 | 148.3 | 134.3 | 130.5 |
| 80° | 468.1 | 231.3 | 192.1 | 231.3 | 245.2 | 221.0 | 168.8 | 131.5 | 111.0 | 99.8 | 97.9 |
| 82.5° | 328.2 | 161.3 | 156.7 | 185.6 | 203.3 | 178.1 | 128.7 | 97.0 | 80.2 | 71.8 | 69.9 |
| 85° | 202.3 | 118.4 | 127.7 | 148.3 | 156.7 | 131.5 | 95.1 | 75.5 | 58.7 | 49.4 | 47.6 |
| 87.5° | 128.7 | 97.9 | 104.4 | 129.6 | 119.4 | 94.2 | 72.7 | 55.0 | 41.0 | 31.7 | 30.8 |
| 90° | 104.4 | 96.0 | 97.0 | 125.0 | 97.9 | 73.7 | 54.1 | 37.3 | 18.6 | 9.3 | 8.4 |
| 92.5° | 107.2 | 104.4 | 106.3 | 131.5 | 96.0 | 69.9 | 50.4 | 34.5 | 15.9 | 6.5 | 5.6 |
| 95° | 134.3 | 121.2 | 122.2 | 129.6 | 98.8 | 70.9 | 50.4 | 34.5 | 15.9 | 5.6 | 4.7 |
| 97.5° | 157.6 | 140.8 | 131.5 | 125.0 | 99.8 | 71.8 | 49.4 | 32.6 | 14.9 | 4.7 | 3.7 |
| 100° | 173.4 | 156.7 | 131.5 | 121.2 | 98.8 | 70.9 | 48.5 | 30.8 | 14.0 | 3.7 | 3.7 |
| 102.5° | 188.4 | 168.8 | 135.2 | 119.4 | 97.9 | 69.0 | 46.6 | 28.9 | 13.1 | 3.7 | 2.8 |
| 105° | 200.5 | 177.2 | 140.8 | 117.5 | 97.0 | 67.1 | 44.8 | 27.0 | 12.1 | 2.8 | 1.9 |
| 107.5° | 206.1 | 180.0 | 143.6 | 114.7 | 97.0 | 65.3 | 42.9 | 25.2 | 10.3 | 1.9 | 0.9 |



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| 142.5° | 76.5 | 72.7 | 73.7 | 58.7 | 40.1 | 31.7 | 14.0 | 4.7 | 0.9 | 0.0 | 0.0 |
| 145° | 68.1 | 66.2 | 69.9 | 50.4 | 36.4 | 28.9 | 12.1 | 4.7 | 0.9 | 0.0 | 0.0 |
| 147.5° | 62.5 | 61.5 | 67.1 | 42.9 | 32.6 | 26.1 | 11.2 | 3.7 | 0.9 | 0.0 | 0.0 |
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| 160° | 43.8 | 43.8 | 34.5 | 21.4 | 14.9 | 10.3 | 5.6 | 2.8 | 0.0 | 0.0 | 0.0 |
| 162.5° | 38.2 | 37.3 | 28.9 | 18.6 | 13.1 | 8.4 | 5.6 | 2.8 | 0.0 | 0.0 | 0.0 |
| 165° | 30.8 | 28.9 | 22.4 | 15.9 | 10.3 | 7.5 | 4.7 | 2.8 | 0.0 | 0.0 | 0.0 |
| 167.5° | 23.3 | 22.4 | 16.8 | 12.1 | 8.4 | 6.5 | 4.7 | 2.8 | 0.0 | 0.0 | 0.0 |
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| 172.5° | 14.0 | 14.0 | 11.2 | 8.4 | 7.5 | 6.5 | 4.7 | 1.9 | 0.0 | 0.0 | 0.0 |
| 175° | 12.1 | 11.2 | 9.3 | 8.4 | 7.5 | 4.7 | 3.7 | 1.9 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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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