

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: P232420

Luminaire Tested: **AXCL6ARL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232420
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: AXCL6ARL
Description: AXCENT RL WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7809 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 0.75' x H: 0.38')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G4

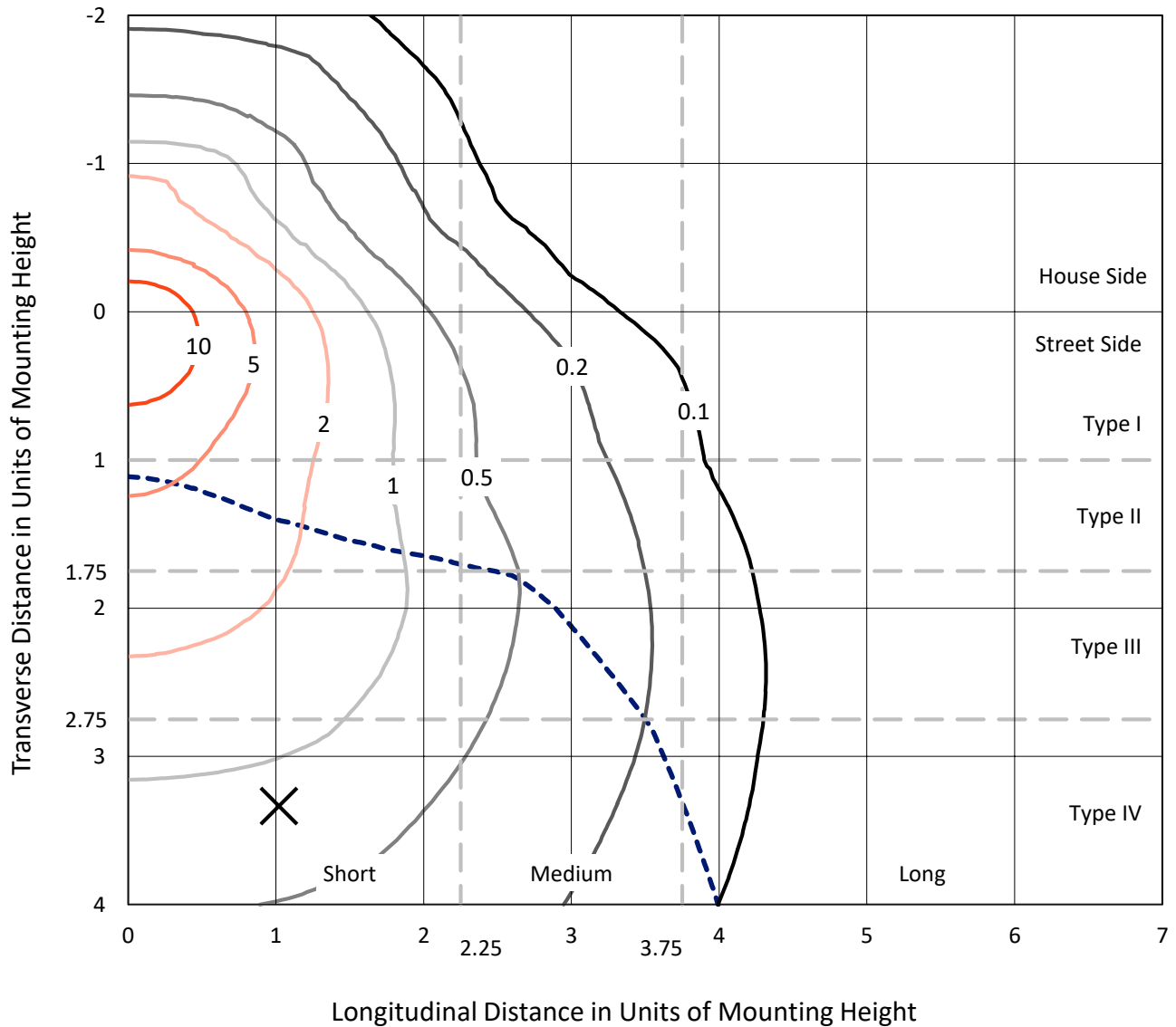
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P232420
 CATALOG NUMBER: AXCL6ARL

Iso-Footcandle Lines of Horizontal Illumination

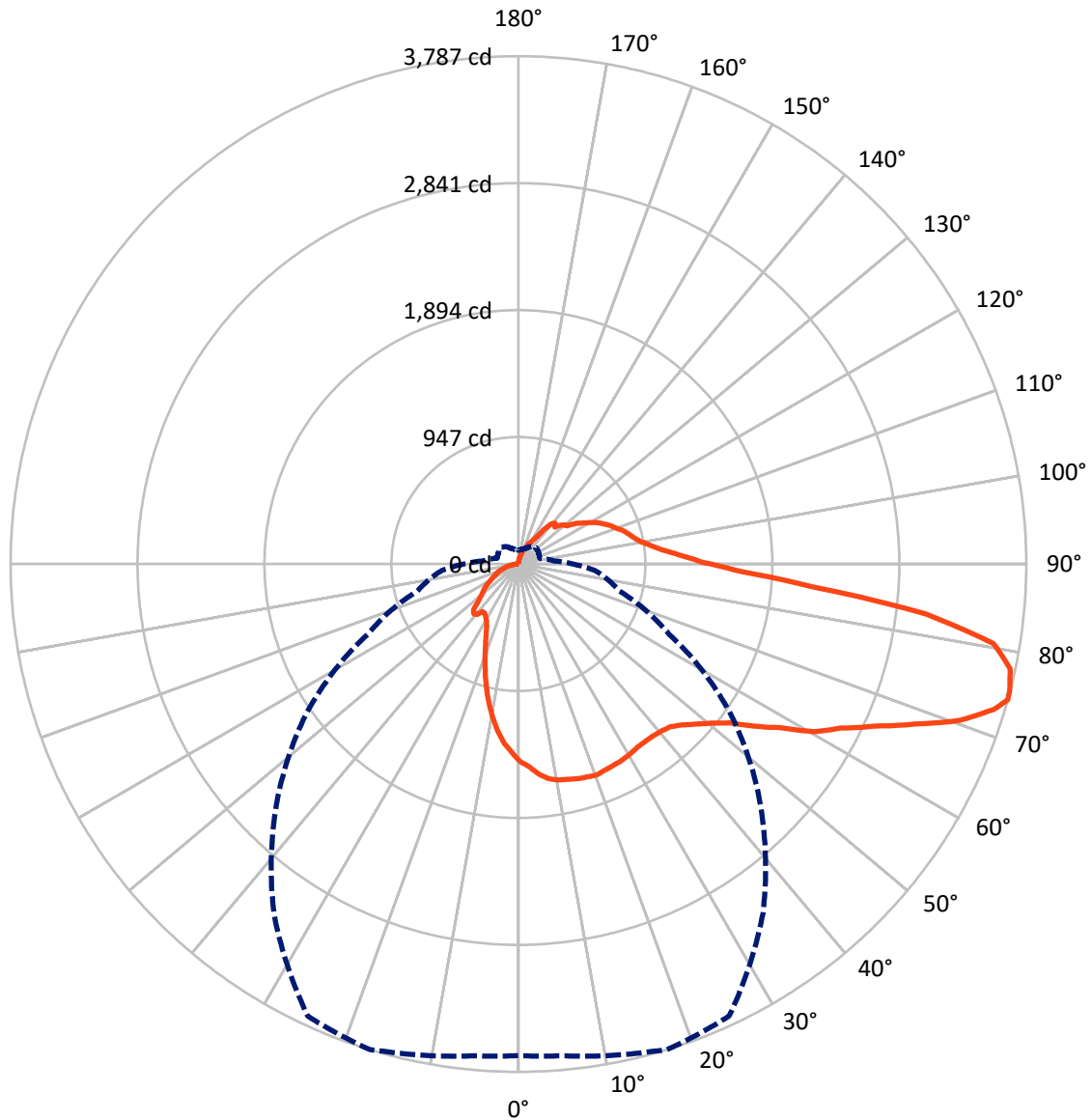
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P232420
CATALOG NUMBER: AXCL6ARL

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 | 1202.8 | 98.9 | 1301.7 |
| | % Fixture | 15.4 | 1.3 | 16.7 |
| Street Side | Lumens | 5250.3 | 1257.0 | 6507.3 |
| | % Fixture | 67.2 | 16.1 | 83.3 |
| Total | Lumens | 6453.1 | 1355.9 | 7809.0 |
| | % Fixture | 82.6 | 17.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 138.5 | 1.8 |
| 10°-20° | 381.0 | 4.9 |
| 20°-30° | 543.0 | 7.0 |
| 30°-40° | 648.5 | 8.3 |
| 40°-50° | 745.7 | 9.5 |
| 50°-60° | 859.3 | 11.0 |
| 60°-70° | 1076.5 | 13.8 |
| 70°-80° | 1284.9 | 16.5 |
| 80°-90° | 775.6 | 9.9 |
| 90°-100° | 414.1 | 5.3 |
| 100°-110° | 313.2 | 4.0 |
| 110°-120° | 244.3 | 3.1 |
| 120°-130° | 169.1 | 2.2 |
| 130°-140° | 115.6 | 1.5 |
| 140°-150° | 63.9 | 0.8 |
| 150°-160° | 26.5 | 0.3 |
| 160°-170° | 8.2 | 0.1 |
| 170°-180° | 0.8 | 0.0 |
| 0°-90° | 6453.1 | 82.6 |
| 0°-180° | 7809.0 | 100.0 |

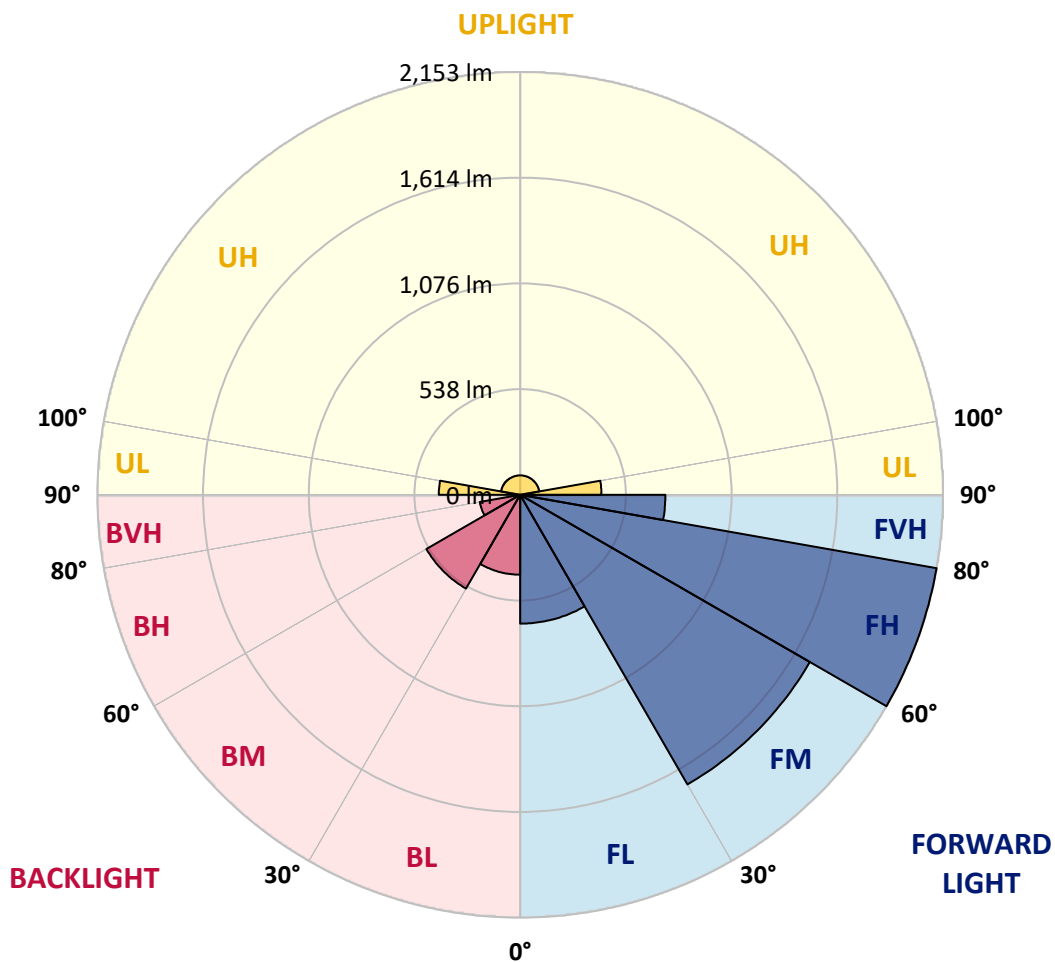


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 655.8 | 8.4 | | | |
| FM (30°-60°) | 1702.5 | 21.8 | | | |
| FH (60°-80°) | 2152.7 | 27.6 | | | G2/5000 |
| FVH (80°-90°) | 739.3 | 9.5 | | | G4/750 |
| BL (0°-30°) | 406.7 | 5.2 | B1/500 | | |
| BM (30°-60°) | 551.0 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 208.8 | 2.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 36.3 | 0.5 | | | G1/100 |
| UL (90°-100°) | 414.1 | 5.3 | | U3/500 | |
| UH (100°-180°) | 98.9 | 1.3 | | U3/500 | |

BUG Rating: B1-U4-G4
 Type IV Short





REPORT NUMBER: P232420
 CATALOG NUMBER: AXCL6ARL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 17° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 |
| 2.5° | 1512.3 | 1510.2 | 1511.8 | 1512.3 | 1512.3 | 1509.1 | 1504.3 | 1499.5 | 1496.8 | 1488.3 | 1481.3 |
| 5° | 1578.5 | 1573.1 | 1573.7 | 1573.7 | 1568.3 | 1557.1 | 1543.8 | 1530.4 | 1518.2 | 1499.5 | 1485.6 |
| 7.5° | 1619.1 | 1618.5 | 1616.4 | 1616.9 | 1610.0 | 1597.7 | 1581.2 | 1560.3 | 1532.0 | 1508.0 | 1481.9 |
| 10° | 1638.8 | 1638.3 | 1637.2 | 1637.7 | 1631.9 | 1618.0 | 1598.8 | 1575.3 | 1543.3 | 1504.8 | 1468.5 |
| 12.5° | 1651.1 | 1652.2 | 1648.4 | 1647.3 | 1642.0 | 1629.7 | 1614.3 | 1584.9 | 1551.8 | 1499.5 | 1453.6 |
| 15° | 1665.5 | 1666.0 | 1660.7 | 1660.7 | 1655.4 | 1640.4 | 1618.5 | 1595.6 | 1554.5 | 1498.4 | 1439.7 |
| 17.5° | 1677.8 | 1678.8 | 1669.2 | 1669.2 | 1658.0 | 1639.3 | 1618.5 | 1591.3 | 1549.7 | 1487.7 | 1418.3 |
| 20° | 1684.7 | 1684.7 | 1677.8 | 1677.2 | 1660.2 | 1634.0 | 1605.2 | 1573.1 | 1534.2 | 1466.9 | 1387.4 |
| 22.5° | 1673.0 | 1673.5 | 1666.6 | 1666.0 | 1654.8 | 1628.7 | 1589.2 | 1554.5 | 1513.4 | 1440.2 | 1349.5 |
| 25° | 1669.8 | 1669.2 | 1660.2 | 1659.6 | 1643.6 | 1621.7 | 1579.6 | 1528.8 | 1484.5 | 1411.9 | 1312.6 |
| 27.5° | 1664.4 | 1665.5 | 1655.9 | 1654.3 | 1637.7 | 1605.7 | 1568.3 | 1508.0 | 1453.0 | 1382.6 | 1279.0 |
| 30° | 1653.8 | 1654.3 | 1645.2 | 1643.1 | 1622.3 | 1590.2 | 1541.7 | 1481.9 | 1422.6 | 1348.4 | 1237.9 |
| 32.5° | 1647.3 | 1647.9 | 1632.4 | 1629.2 | 1606.8 | 1567.8 | 1512.3 | 1456.8 | 1384.2 | 1311.6 | 1196.8 |
| 35° | 1649.5 | 1647.3 | 1630.3 | 1626.5 | 1594.0 | 1549.1 | 1489.3 | 1427.4 | 1353.2 | 1279.5 | 1156.2 |
| 37.5° | 1662.3 | 1660.2 | 1634.0 | 1628.1 | 1591.3 | 1526.2 | 1464.2 | 1397.5 | 1320.1 | 1252.3 | 1116.2 |
| 40° | 1673.5 | 1670.3 | 1646.3 | 1639.3 | 1596.6 | 1519.8 | 1440.8 | 1373.5 | 1303.0 | 1215.0 | 1085.8 |
| 42.5° | 1717.8 | 1713.5 | 1669.2 | 1658.6 | 1601.4 | 1511.8 | 1415.7 | 1347.9 | 1275.3 | 1188.8 | 1045.7 |
| 45° | 1792.0 | 1784.0 | 1726.4 | 1711.4 | 1624.9 | 1505.4 | 1405.5 | 1331.9 | 1252.3 | 1140.8 | 1008.4 |
| 47.5° | 1871.5 | 1865.1 | 1802.2 | 1784.0 | 1679.4 | 1515.0 | 1398.1 | 1321.2 | 1220.3 | 1122.1 | 975.8 |
| 50° | 1961.2 | 1954.3 | 1887.0 | 1865.1 | 1745.6 | 1544.3 | 1403.4 | 1303.0 | 1189.9 | 1072.4 | 925.1 |
| 52.5° | 2108.6 | 2093.1 | 1995.9 | 1968.7 | 1831.0 | 1597.7 | 1409.3 | 1298.8 | 1169.6 | 1039.9 | 898.4 |
| 55° | 2275.6 | 2263.9 | 2164.1 | 2133.1 | 1958.0 | 1672.4 | 1422.1 | 1290.8 | 1147.7 | 1010.5 | 851.4 |
| 57.5° | 2475.3 | 2460.3 | 2332.8 | 2303.4 | 2117.6 | 1769.6 | 1471.7 | 1269.9 | 1136.0 | 973.7 | 813.0 |
| 60° | 2684.5 | 2669.1 | 2569.2 | 2538.3 | 2337.0 | 1907.8 | 1559.8 | 1268.3 | 1126.3 | 946.5 | 771.9 |
| 62.5° | 2849.0 | 2832.4 | 2715.5 | 2695.8 | 2539.9 | 2126.7 | 1672.4 | 1298.8 | 1101.8 | 921.4 | 732.9 |
| 65° | 3082.8 | 3060.3 | 2944.0 | 2915.2 | 2729.4 | 2338.1 | 1842.2 | 1365.0 | 1072.4 | 908.5 | 692.9 |
| 67.5° | 3311.8 | 3302.2 | 3205.5 | 3186.9 | 3037.4 | 2637.0 | 2065.3 | 1485.6 | 1056.4 | 897.9 | 651.3 |
| 70° | 3540.8 | 3533.8 | 3485.8 | 3492.7 | 3415.9 | 2995.8 | 2394.7 | 1693.8 | 1089.0 | 894.1 | 618.2 |
| 72.5° | 3631.5 | 3632.6 | 3680.1 | 3707.3 | 3667.3 | 3189.5 | 2580.5 | 1951.6 | 1185.1 | 827.4 | 592.5 |
| 74° | 3665.7 | 3681.2 | 3766.1 | 3787.4 | 3719.1 | 3179.4 | 2554.8 | 1921.2 | 1239.5 | 779.9 | 576.5 |
| 75° | 3686.5 | 3705.7 | 3770.3 | 3783.7 | 3689.7 | 3119.6 | 2506.3 | 1858.2 | 1243.8 | 750.5 | 565.3 |
| 77.5° | 3713.2 | 3728.1 | 3759.6 | 3749.0 | 3515.7 | 2842.0 | 2266.6 | 1701.8 | 1150.4 | 687.0 | 535.4 |
| 80° | 3657.7 | 3671.6 | 3655.0 | 3593.1 | 3198.1 | 2487.6 | 1883.3 | 1370.8 | 989.7 | 594.7 | 451.6 |
| 82.5° | 3394.5 | 3385.4 | 3192.2 | 3061.4 | 2559.6 | 1883.3 | 1250.7 | 976.9 | 808.7 | 536.5 | 312.3 |
| 85° | 2804.1 | 2753.9 | 2328.5 | 2210.0 | 1850.7 | 1355.4 | 1048.4 | 863.2 | 720.6 | 518.9 | 215.1 |
| 87.5° | 1968.2 | 1929.7 | 1725.3 | 1666.0 | 1454.1 | 1149.3 | 941.6 | 792.2 | 651.3 | 475.6 | 139.9 |
| 90° | 1571.0 | 1552.3 | 1411.9 | 1373.5 | 1248.6 | 1031.3 | 853.0 | 714.2 | 580.8 | 403.0 | 113.7 |
| 92.5° | 1347.9 | 1333.5 | 1234.2 | 1215.5 | 1117.8 | 945.4 | 791.6 | 658.2 | 513.0 | 326.7 | 103.0 |
| 95° | 1173.9 | 1162.1 | 1084.2 | 1081.5 | 1021.2 | 882.9 | 745.7 | 621.4 | 455.9 | 262.6 | 104.1 |
| 97.5° | 1042.0 | 1033.5 | 990.2 | 994.0 | 949.7 | 826.9 | 692.4 | 590.9 | 401.4 | 221.0 | 110.0 |
| 100° | 952.9 | 947.0 | 912.8 | 923.5 | 890.4 | 779.4 | 659.3 | 543.4 | 363.0 | 192.2 | 118.0 |
| 102.5° | 896.3 | 892.0 | 867.4 | 881.3 | 845.0 | 748.4 | 631.5 | 504.5 | 328.3 | 191.6 | 128.1 |
| 105° | 848.8 | 846.6 | 833.8 | 848.2 | 826.9 | 715.8 | 598.4 | 466.6 | 303.7 | 196.4 | 136.7 |
| 107.5° | 817.8 | 817.3 | 804.5 | 815.1 | 776.2 | 680.1 | 556.8 | 439.3 | 296.8 | 201.2 | 142.0 |



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 CATALOG NUMBER: AXCL6ARL

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 17° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 758.5 | 759.6 | 762.3 | 770.8 | 741.5 | 643.2 | 525.3 | 409.4 | 296.3 | 202.8 | 142.5 |
| 112.5° | 735.1 | 734.0 | 734.0 | 738.8 | 696.6 | 604.8 | 510.3 | 387.5 | 282.4 | 202.3 | 139.3 |
| 115° | 702.0 | 702.0 | 699.8 | 699.3 | 654.5 | 565.3 | 484.2 | 373.1 | 271.7 | 197.0 | 133.5 |
| 117.5° | 665.7 | 666.2 | 657.1 | 657.7 | 609.6 | 541.3 | 444.1 | 359.3 | 260.5 | 187.4 | 125.4 |
| 120° | 617.6 | 616.0 | 608.5 | 607.5 | 568.5 | 502.3 | 407.3 | 321.4 | 242.9 | 179.9 | 116.4 |
| 122.5° | 569.6 | 570.1 | 562.1 | 561.0 | 526.9 | 451.6 | 393.4 | 301.1 | 232.7 | 169.8 | 108.4 |
| 125° | 524.7 | 525.3 | 522.6 | 519.9 | 475.6 | 428.1 | 354.5 | 285.6 | 220.5 | 160.1 | 100.4 |
| 127.5° | 486.3 | 487.9 | 468.2 | 462.3 | 444.1 | 411.6 | 326.2 | 261.0 | 210.3 | 148.4 | 91.8 |
| 130° | 445.2 | 445.7 | 448.9 | 450.5 | 432.9 | 364.6 | 317.6 | 254.1 | 200.7 | 137.7 | 83.8 |
| 132.5° | 442.5 | 442.0 | 430.3 | 423.3 | 387.0 | 347.5 | 284.5 | 240.2 | 187.4 | 129.2 | 76.3 |
| 135° | 404.6 | 402.5 | 389.7 | 386.5 | 368.9 | 334.7 | 290.9 | 239.1 | 184.2 | 121.2 | 69.4 |
| 137.5° | 409.4 | 407.8 | 409.4 | 410.0 | 386.5 | 335.8 | 296.3 | 239.1 | 176.2 | 111.6 | 63.0 |
| 140° | 411.0 | 410.5 | 391.8 | 387.5 | 367.8 | 343.8 | 284.5 | 223.7 | 158.5 | 98.2 | 56.6 |
| 142.5° | 332.6 | 335.2 | 331.0 | 330.4 | 326.2 | 272.2 | 240.7 | 182.6 | 132.9 | 85.9 | 51.2 |
| 145° | 276.0 | 277.6 | 258.9 | 253.0 | 237.5 | 229.0 | 193.2 | 152.7 | 114.8 | 76.9 | 45.9 |
| 147.5° | 207.1 | 208.2 | 211.9 | 214.1 | 211.9 | 183.1 | 158.0 | 134.5 | 99.3 | 69.4 | 40.6 |
| 150° | 193.2 | 193.2 | 183.1 | 184.2 | 174.0 | 160.1 | 144.7 | 124.4 | 90.7 | 62.5 | 35.8 |
| 152.5° | 163.9 | 163.9 | 167.1 | 167.6 | 154.3 | 144.1 | 129.2 | 106.8 | 82.2 | 56.1 | 31.5 |
| 155° | 142.5 | 144.1 | 140.4 | 140.4 | 141.5 | 127.6 | 113.2 | 91.3 | 72.6 | 49.6 | 28.8 |
| 157.5° | 130.8 | 132.9 | 126.0 | 125.4 | 122.2 | 112.1 | 94.0 | 80.1 | 61.4 | 43.2 | 27.2 |
| 160° | 114.8 | 115.8 | 111.0 | 110.0 | 100.9 | 90.2 | 78.5 | 66.7 | 51.8 | 37.4 | 24.6 |
| 162.5° | 88.1 | 89.7 | 85.4 | 84.9 | 79.5 | 74.2 | 65.7 | 53.9 | 42.2 | 31.0 | 21.4 |
| 165° | 72.1 | 72.6 | 71.0 | 71.0 | 68.3 | 58.7 | 51.2 | 43.2 | 33.6 | 24.0 | 17.6 |
| 167.5° | 54.4 | 55.5 | 53.9 | 54.4 | 51.8 | 46.4 | 40.0 | 32.6 | 24.6 | 17.6 | 13.9 |
| 170° | 42.7 | 43.2 | 42.2 | 42.2 | 39.5 | 34.2 | 27.2 | 21.4 | 16.5 | 11.2 | 10.7 |
| 172.5° | 29.9 | 30.4 | 27.8 | 28.3 | 23.5 | 19.8 | 16.0 | 12.8 | 10.1 | 8.5 | 8.5 |
| 175° | 3.7 | 4.8 | 9.1 | 9.1 | 10.1 | 9.1 | 8.5 | 6.9 | 6.4 | 6.9 | 6.9 |
| 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: P232420
 CATALOG NUMBER: AXCL6ARL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 | 1472.8 |
| 2.5° | 1477.6 | 1473.3 | 1462.1 | 1451.4 | 1437.0 | 1424.7 | 1414.1 | 1405.5 | 1404.5 | 1399.1 | 1398.6 |
| 5° | 1477.6 | 1469.6 | 1447.2 | 1422.6 | 1399.7 | 1380.4 | 1361.8 | 1345.7 | 1340.4 | 1332.4 | 1330.8 |
| 7.5° | 1470.7 | 1457.3 | 1424.7 | 1390.6 | 1353.2 | 1320.7 | 1292.9 | 1267.3 | 1256.6 | 1245.4 | 1242.2 |
| 10° | 1454.6 | 1436.0 | 1391.1 | 1344.1 | 1295.0 | 1248.6 | 1208.6 | 1171.2 | 1154.1 | 1142.9 | 1138.6 |
| 12.5° | 1437.0 | 1413.0 | 1358.0 | 1294.5 | 1231.0 | 1170.7 | 1122.1 | 1082.0 | 1053.7 | 1036.1 | 1030.8 |
| 15° | 1418.3 | 1387.9 | 1318.5 | 1243.3 | 1160.5 | 1095.9 | 1029.2 | 977.9 | 945.9 | 926.2 | 920.3 |
| 17.5° | 1392.2 | 1355.9 | 1274.2 | 1182.4 | 1089.0 | 1001.4 | 928.8 | 873.3 | 837.6 | 816.7 | 810.3 |
| 20° | 1355.9 | 1312.1 | 1217.6 | 1111.9 | 1002.0 | 904.8 | 828.5 | 772.4 | 736.7 | 714.8 | 707.3 |
| 22.5° | 1316.9 | 1266.2 | 1158.4 | 1040.4 | 919.2 | 816.2 | 736.1 | 681.7 | 646.4 | 626.7 | 628.3 |
| 25° | 1275.8 | 1220.8 | 1101.3 | 967.3 | 831.7 | 732.4 | 655.0 | 606.9 | 571.2 | 555.2 | 555.2 |
| 27.5° | 1234.7 | 1173.9 | 1042.5 | 893.6 | 753.2 | 657.1 | 586.7 | 542.9 | 514.1 | 503.9 | 503.9 |
| 30° | 1188.8 | 1122.1 | 976.3 | 817.3 | 684.3 | 591.5 | 526.9 | 494.3 | 482.0 | 476.7 | 476.7 |
| 32.5° | 1138.1 | 1071.4 | 917.1 | 744.7 | 619.8 | 533.3 | 479.4 | 466.6 | 460.1 | 458.5 | 459.1 |
| 35° | 1094.9 | 1021.2 | 855.2 | 677.4 | 562.6 | 483.6 | 451.1 | 447.3 | 444.7 | 443.6 | 443.6 |
| 37.5° | 1054.8 | 975.8 | 792.7 | 620.3 | 512.5 | 445.2 | 431.9 | 432.9 | 447.3 | 473.0 | 475.1 |
| 40° | 1011.0 | 931.5 | 731.9 | 565.8 | 468.2 | 418.0 | 416.9 | 432.9 | 502.9 | 526.9 | 526.3 |
| 42.5° | 973.7 | 884.5 | 675.8 | 519.9 | 429.2 | 398.8 | 402.0 | 478.8 | 502.9 | 497.5 | 498.6 |
| 45° | 925.6 | 844.0 | 626.7 | 471.9 | 395.0 | 381.7 | 409.4 | 479.9 | 475.6 | 454.8 | 454.8 |
| 47.5° | 892.5 | 789.5 | 579.2 | 430.8 | 368.3 | 366.2 | 445.2 | 450.0 | 399.8 | 367.8 | 367.3 |
| 50° | 842.9 | 753.2 | 527.4 | 392.4 | 348.6 | 356.1 | 421.7 | 399.8 | 358.2 | 337.4 | 336.8 |
| 52.5° | 800.7 | 696.6 | 477.2 | 359.8 | 332.0 | 354.5 | 390.2 | 359.8 | 326.2 | 314.9 | 314.9 |
| 55° | 761.2 | 655.5 | 431.3 | 330.4 | 316.0 | 364.1 | 343.2 | 328.8 | 302.1 | 285.1 | 284.0 |
| 57.5° | 704.6 | 585.6 | 382.2 | 305.3 | 299.5 | 336.8 | 313.3 | 297.9 | 270.1 | 249.3 | 247.7 |
| 60° | 661.4 | 532.2 | 334.7 | 284.0 | 282.4 | 302.7 | 296.3 | 267.4 | 234.9 | 220.5 | 219.4 |
| 62.5° | 609.6 | 491.6 | 295.2 | 263.2 | 262.1 | 265.3 | 273.8 | 237.0 | 210.3 | 198.6 | 197.5 |
| 65° | 562.6 | 438.3 | 264.2 | 242.4 | 242.9 | 237.0 | 251.4 | 209.3 | 188.4 | 176.7 | 176.7 |
| 67.5° | 515.1 | 387.5 | 235.4 | 219.9 | 231.1 | 221.0 | 230.1 | 186.3 | 169.2 | 158.0 | 156.9 |
| 70° | 470.8 | 338.4 | 207.1 | 200.2 | 211.4 | 203.4 | 201.8 | 163.9 | 148.4 | 137.7 | 136.7 |
| 72.5° | 430.8 | 291.5 | 181.0 | 179.9 | 188.4 | 187.4 | 173.0 | 142.0 | 127.0 | 117.4 | 115.3 |
| 74° | 405.7 | 263.7 | 165.5 | 168.2 | 176.2 | 177.2 | 157.5 | 128.6 | 113.7 | 105.7 | 103.0 |
| 75° | 390.2 | 242.4 | 154.8 | 160.1 | 168.7 | 169.8 | 146.8 | 119.0 | 105.2 | 97.2 | 94.5 |
| 77.5° | 341.1 | 185.8 | 131.3 | 146.3 | 153.7 | 150.5 | 122.8 | 96.1 | 84.9 | 76.9 | 74.7 |
| 80° | 268.0 | 132.4 | 110.0 | 132.4 | 140.4 | 126.5 | 96.6 | 75.3 | 63.5 | 57.1 | 56.1 |
| 82.5° | 187.9 | 92.3 | 89.7 | 106.2 | 116.4 | 102.0 | 73.7 | 55.5 | 45.9 | 41.1 | 40.0 |
| 85° | 115.8 | 67.8 | 73.1 | 84.9 | 89.7 | 75.3 | 54.4 | 43.2 | 33.6 | 28.3 | 27.2 |
| 87.5° | 73.7 | 56.1 | 59.8 | 74.2 | 68.3 | 53.9 | 41.6 | 31.5 | 23.5 | 18.1 | 17.6 |
| 90° | 59.8 | 55.0 | 55.5 | 71.5 | 56.1 | 42.2 | 31.0 | 21.4 | 10.7 | 5.3 | 4.8 |
| 92.5° | 61.4 | 59.8 | 60.9 | 75.3 | 55.0 | 40.0 | 28.8 | 19.8 | 9.1 | 3.7 | 3.2 |
| 95° | 76.9 | 69.4 | 69.9 | 74.2 | 56.6 | 40.6 | 28.8 | 19.8 | 9.1 | 3.2 | 2.7 |
| 97.5° | 90.2 | 80.6 | 75.3 | 71.5 | 57.1 | 41.1 | 28.3 | 18.7 | 8.5 | 2.7 | 2.1 |
| 100° | 99.3 | 89.7 | 75.3 | 69.4 | 56.6 | 40.6 | 27.8 | 17.6 | 8.0 | 2.1 | 2.1 |
| 102.5° | 107.8 | 96.6 | 77.4 | 68.3 | 56.1 | 39.5 | 26.7 | 16.5 | 7.5 | 2.1 | 1.6 |
| 105° | 114.8 | 101.4 | 80.6 | 67.3 | 55.5 | 38.4 | 25.6 | 15.5 | 6.9 | 1.6 | 1.1 |
| 107.5° | 118.0 | 103.0 | 82.2 | 65.7 | 55.5 | 37.4 | 24.6 | 14.4 | 5.9 | 1.1 | 0.5 |



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| 110° | 117.4 | 102.5 | 81.1 | 65.7 | 56.1 | 36.8 | 23.5 | 13.3 | 5.3 | 0.5 | 0.0 |
| 112.5° | 114.2 | 99.8 | 78.5 | 66.2 | 53.9 | 37.4 | 22.4 | 12.8 | 4.8 | 0.5 | 0.0 |
| 115° | 109.4 | 96.1 | 75.3 | 66.2 | 51.2 | 36.8 | 21.4 | 11.7 | 3.7 | 0.0 | 0.0 |
| 117.5° | 103.0 | 91.3 | 72.1 | 65.1 | 48.6 | 35.2 | 20.3 | 10.7 | 3.2 | 0.0 | 0.0 |
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| 122.5° | 89.7 | 80.6 | 65.7 | 60.9 | 45.9 | 30.4 | 18.1 | 9.1 | 2.1 | 0.0 | 0.0 |
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| 127.5° | 76.3 | 68.9 | 57.7 | 57.7 | 39.5 | 27.2 | 14.9 | 6.9 | 1.6 | 0.0 | 0.0 |
| 130° | 69.4 | 63.0 | 53.9 | 55.0 | 36.3 | 25.6 | 13.9 | 6.4 | 1.1 | 0.0 | 0.0 |
| 132.5° | 63.0 | 57.1 | 50.2 | 51.2 | 33.1 | 24.6 | 12.8 | 5.3 | 1.1 | 0.0 | 0.0 |
| 135° | 57.1 | 52.8 | 46.4 | 47.0 | 30.4 | 23.5 | 11.2 | 4.8 | 1.1 | 0.0 | 0.0 |
| 137.5° | 51.8 | 48.6 | 43.8 | 42.2 | 27.8 | 21.9 | 10.1 | 3.7 | 0.5 | 0.0 | 0.0 |
| 140° | 48.0 | 44.8 | 42.7 | 37.9 | 25.1 | 20.3 | 9.1 | 3.2 | 0.5 | 0.0 | 0.0 |
| 142.5° | 43.8 | 41.6 | 42.2 | 33.6 | 23.0 | 18.1 | 8.0 | 2.7 | 0.5 | 0.0 | 0.0 |
| 145° | 39.0 | 37.9 | 40.0 | 28.8 | 20.8 | 16.5 | 6.9 | 2.7 | 0.5 | 0.0 | 0.0 |
| 147.5° | 35.8 | 35.2 | 38.4 | 24.6 | 18.7 | 14.9 | 6.4 | 2.1 | 0.5 | 0.0 | 0.0 |
| 150° | 33.1 | 33.1 | 34.7 | 20.8 | 16.5 | 12.8 | 5.3 | 2.1 | 0.0 | 0.0 | 0.0 |
| 152.5° | 30.4 | 31.5 | 30.4 | 18.1 | 14.4 | 11.2 | 4.3 | 2.1 | 0.0 | 0.0 | 0.0 |
| 155° | 28.3 | 28.8 | 26.2 | 16.0 | 12.3 | 9.1 | 4.3 | 1.6 | 0.0 | 0.0 | 0.0 |
| 157.5° | 27.2 | 27.2 | 23.0 | 13.9 | 10.1 | 6.9 | 3.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 160° | 25.1 | 25.1 | 19.8 | 12.3 | 8.5 | 5.9 | 3.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| 162.5° | 21.9 | 21.4 | 16.5 | 10.7 | 7.5 | 4.8 | 3.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| 165° | 17.6 | 16.5 | 12.8 | 9.1 | 5.9 | 4.3 | 2.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 167.5° | 13.3 | 12.8 | 9.6 | 6.9 | 4.8 | 3.7 | 2.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 170° | 10.1 | 9.6 | 7.5 | 5.3 | 4.3 | 3.7 | 2.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 172.5° | 8.0 | 8.0 | 6.4 | 4.8 | 4.3 | 3.7 | 2.7 | 1.1 | 0.0 | 0.0 | 0.0 |
| 175° | 6.9 | 6.4 | 5.3 | 4.8 | 4.3 | 2.7 | 2.1 | 1.1 | 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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