

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: P290556

Luminaire Tested: **AXCS5ARL-C**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCS5ARL-C  
Description: 5ARL AXCENT SMALL LED WALLPACK WITH 5000K CCT AND 70 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6699.1 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 0.5' x H: 0.17')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U4 - G3

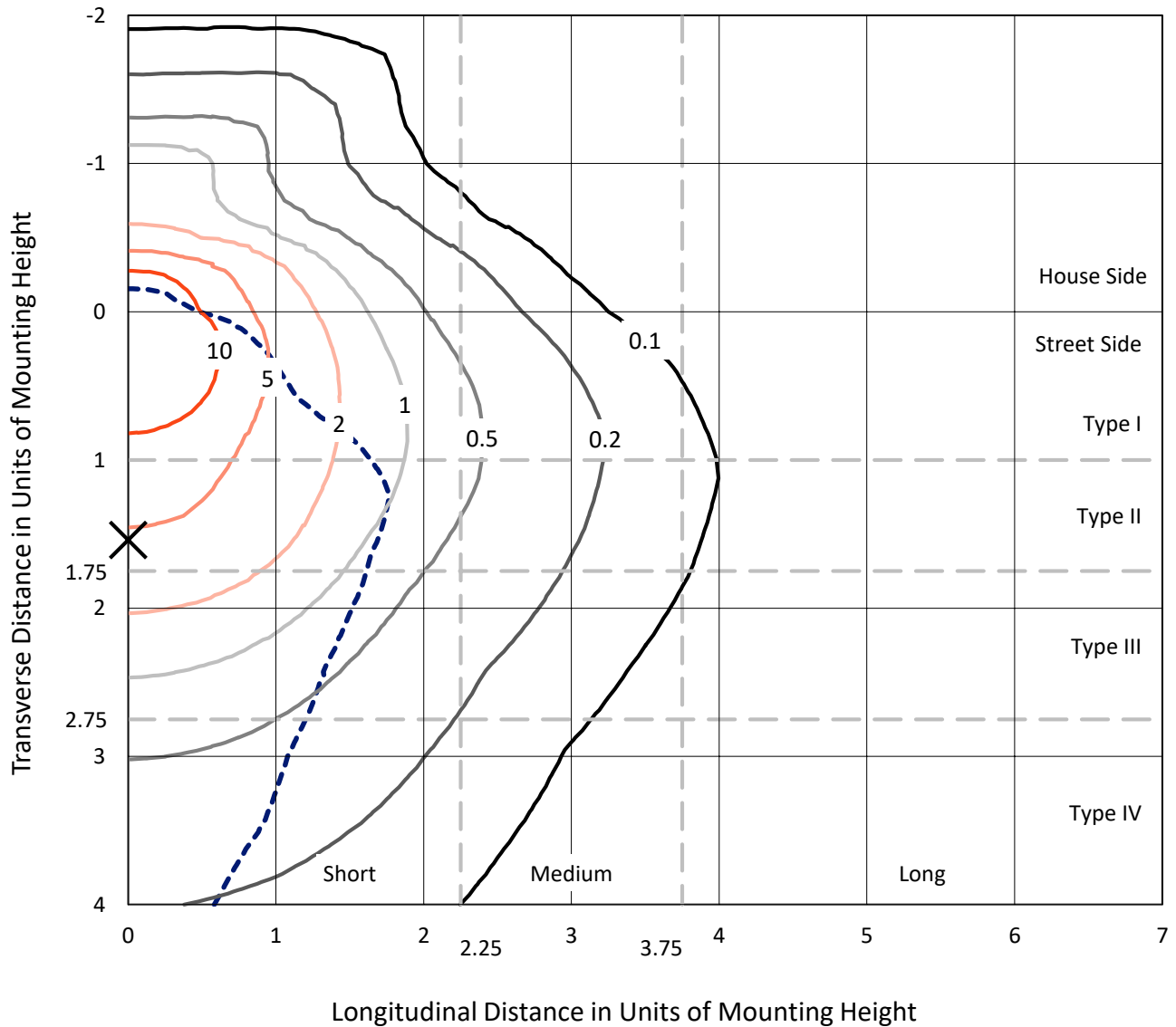
Input Watts (W): 51.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

### Iso-Footcandle Lines of Horizontal Illumination

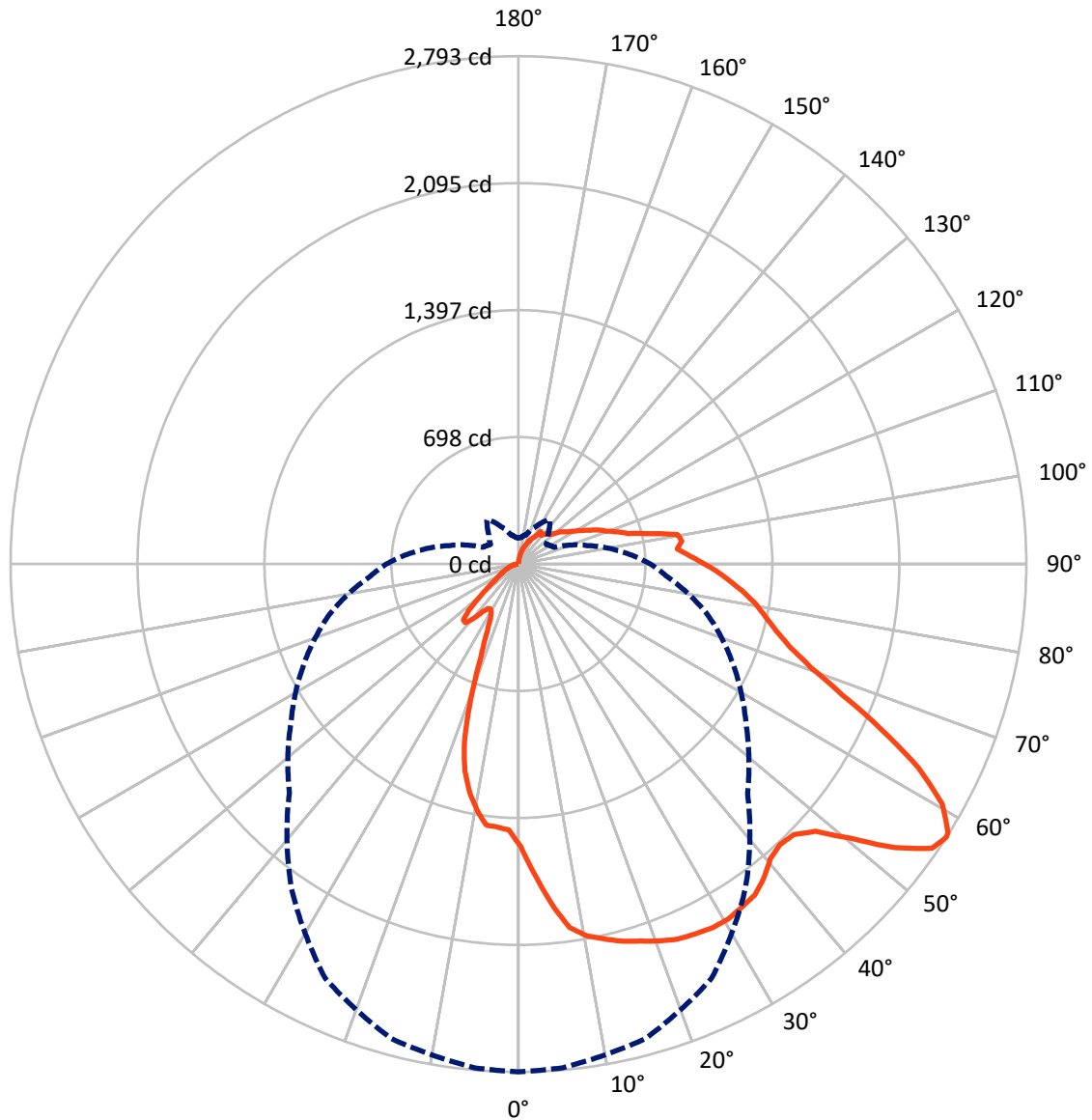
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P290556  
CATALOG NUMBER: AXCS5ARL-C

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

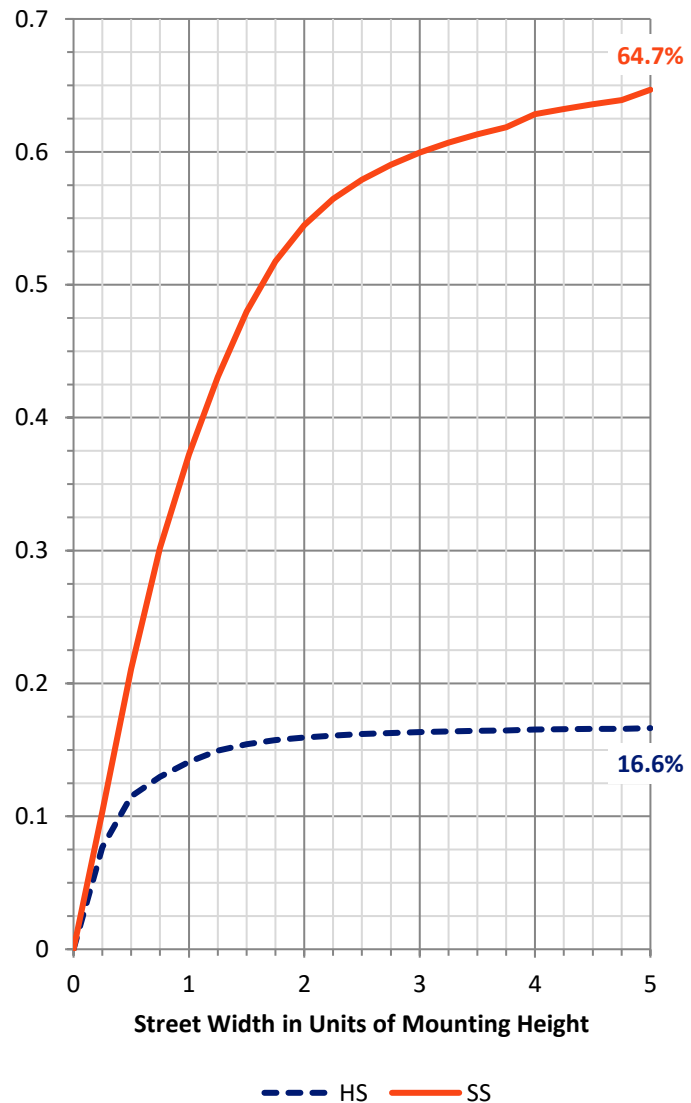
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1137.1   | 76.4   | 1213.6 |
|                    | % Fixture | 17.0     | 1.1    | 18.1   |
| <b>Street Side</b> | Lumens    | 4595.2   | 890.3  | 5485.5 |
|                    | % Fixture | 68.6     | 13.3   | 81.9   |
| <b>Total</b>       | Lumens    | 5732.4   | 966.7  | 6699.1 |
|                    | % Fixture | 85.6     | 14.4   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.2  | 2.3       |
| 10°-20°   | 460.7  | 6.9       |
| 20°-30°   | 667.2  | 10.0      |
| 30°-40°   | 789.4  | 11.8      |
| 40°-50°   | 858.0  | 12.8      |
| 50°-60°   | 952.1  | 14.2      |
| 60°-70°   | 845.5  | 12.6      |
| 70°-80°   | 585.0  | 8.7       |
| 80°-90°   | 419.1  | 6.3       |
| 90°-100°  | 318.0  | 4.7       |
| 100°-110° | 230.7  | 3.4       |
| 110°-120° | 158.4  | 2.4       |
| 120°-130° | 107.8  | 1.6       |
| 130°-140° | 73.0   | 1.1       |
| 140°-150° | 47.0   | 0.7       |
| 150°-160° | 23.6   | 0.4       |
| 160°-170° | 7.8    | 0.1       |
| 170°-180° | 0.6    | 0.0       |
| 0°-90°    | 5732.4 | 85.6      |
| 0°-180°   | 6699.1 | 100.0     |

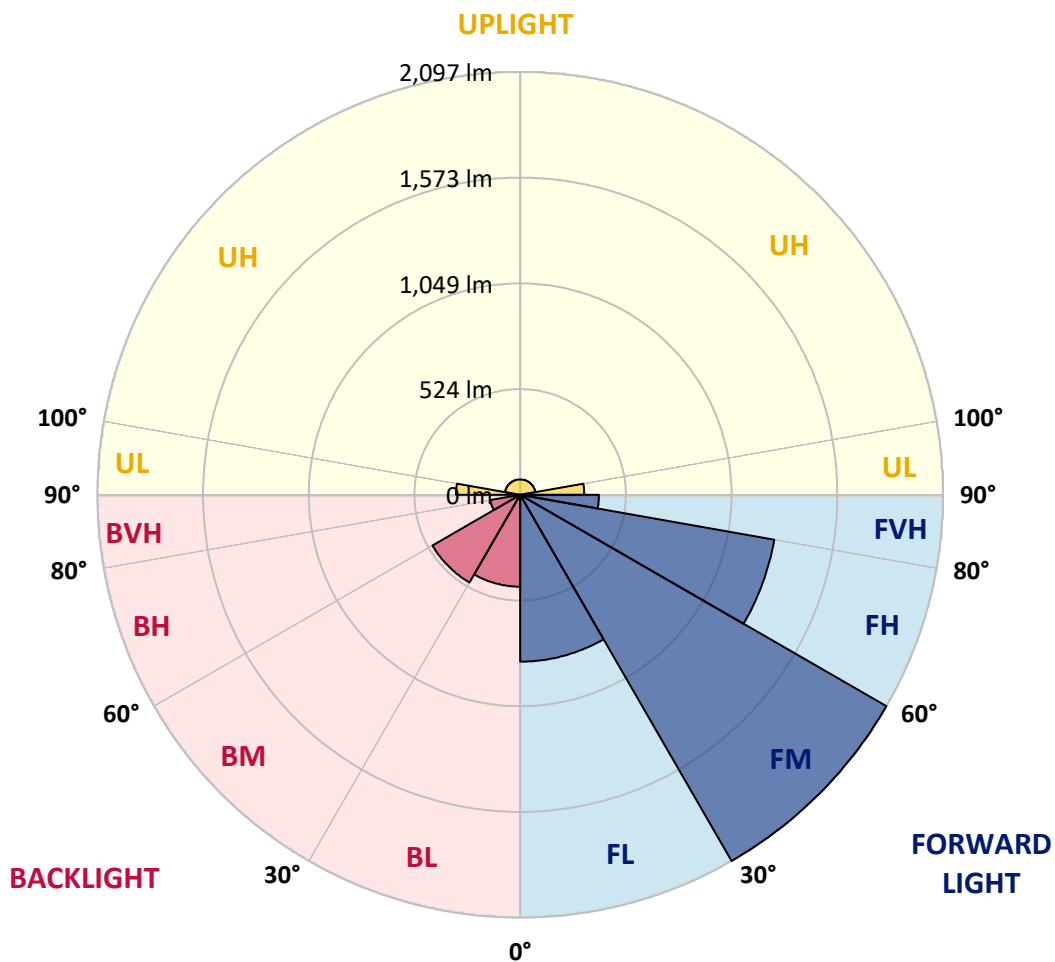


REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 827.4  | 12.4      |                         |        |         |
| FM (30°-60°)   | 2097.4 | 31.3      |                         |        |         |
| FH (60°-80°)   | 1279.8 | 19.1      |                         |        | G1/1800 |
| FVH (80°-90°)  | 390.7  | 5.8       |                         |        | G3/500  |
| BL (0°-30°)    | 455.8  | 6.8       | B1/500                  |        |         |
| BM (30°-60°)   | 502.1  | 7.5       | B1/1000                 |        |         |
| BH (60°-80°)   | 150.8  | 2.3       | B1/500                  |        | G1/500  |
| BVH (80°-90°)  | 28.4   | 0.4       |                         |        | G1/100  |
| UL (90°-100°)  | 318.0  | 4.7       |                         | U3/500 |         |
| UH (100°-180°) | 76.4   | 1.1       |                         | U3/500 |         |

**BUG Rating: B1-U4-G3**  
 Type IV Short





REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 |
| 2.5°   | 1709 | 1695 | 1697 | 1687 | 1671 | 1658 | 1637 | 1613 | 1589 | 1558 | 1544 |
| 5°     | 1873 | 1860 | 1847 | 1826 | 1790 | 1755 | 1724 | 1671 | 1621 | 1565 | 1539 |
| 7.5°   | 2019 | 2007 | 1998 | 1974 | 1934 | 1877 | 1797 | 1727 | 1650 | 1568 | 1532 |
| 10°    | 2080 | 2075 | 2068 | 2054 | 2025 | 1979 | 1896 | 1782 | 1678 | 1569 | 1522 |
| 12.5°  | 2117 | 2112 | 2106 | 2089 | 2065 | 2029 | 1968 | 1844 | 1699 | 1567 | 1506 |
| 15°    | 2153 | 2149 | 2138 | 2119 | 2087 | 2050 | 1997 | 1892 | 1723 | 1560 | 1491 |
| 17.5°  | 2180 | 2178 | 2168 | 2144 | 2109 | 2064 | 2007 | 1918 | 1746 | 1553 | 1472 |
| 20°    | 2213 | 2211 | 2194 | 2163 | 2124 | 2072 | 2008 | 1921 | 1760 | 1541 | 1450 |
| 22.5°  | 2241 | 2240 | 2224 | 2193 | 2137 | 2075 | 2004 | 1913 | 1765 | 1527 | 1424 |
| 25°    | 2254 | 2255 | 2238 | 2208 | 2159 | 2075 | 1993 | 1897 | 1756 | 1508 | 1396 |
| 27.5°  | 2267 | 2267 | 2249 | 2214 | 2163 | 2084 | 1977 | 1874 | 1734 | 1483 | 1362 |
| 30°    | 2268 | 2271 | 2253 | 2214 | 2157 | 2081 | 1963 | 1847 | 1704 | 1452 | 1327 |
| 32.5°  | 2252 | 2254 | 2239 | 2208 | 2145 | 2060 | 1945 | 1809 | 1662 | 1414 | 1282 |
| 35°    | 2237 | 2235 | 2219 | 2185 | 2127 | 2036 | 1914 | 1765 | 1609 | 1366 | 1235 |
| 37.5°  | 2192 | 2193 | 2182 | 2155 | 2099 | 2003 | 1870 | 1713 | 1548 | 1312 | 1177 |
| 40°    | 2133 | 2133 | 2119 | 2099 | 2058 | 1965 | 1822 | 1659 | 1481 | 1250 | 1120 |
| 42.5°  | 2109 | 2103 | 2076 | 2039 | 2001 | 1917 | 1769 | 1596 | 1410 | 1196 | 1062 |
| 45°    | 2123 | 2120 | 2087 | 2014 | 1936 | 1841 | 1698 | 1520 | 1353 | 1136 | 1011 |
| 47.5°  | 2196 | 2182 | 2132 | 2043 | 1913 | 1772 | 1614 | 1455 | 1296 | 1064 | 954  |
| 50°    | 2372 | 2359 | 2280 | 2122 | 1945 | 1733 | 1548 | 1401 | 1240 | 1012 | 888  |
| 52.5°  | 2592 | 2579 | 2473 | 2280 | 2013 | 1730 | 1522 | 1352 | 1182 | 936  | 833  |
| 55°    | 2760 | 2741 | 2654 | 2437 | 2114 | 1756 | 1519 | 1337 | 1132 | 889  | 760  |
| 57°    | 2793 | 2781 | 2702 | 2514 | 2177 | 1782 | 1528 | 1302 | 1077 | 823  | 726  |
| 57.5°  | 2786 | 2773 | 2700 | 2520 | 2185 | 1785 | 1533 | 1302 | 1068 | 821  | 720  |
| 60°    | 2679 | 2660 | 2606 | 2455 | 2162 | 1783 | 1529 | 1279 | 1030 | 762  | 640  |
| 62.5°  | 2469 | 2442 | 2378 | 2237 | 2011 | 1685 | 1470 | 1259 | 1002 | 711  | 587  |
| 65°    | 2194 | 2171 | 2087 | 1973 | 1775 | 1526 | 1400 | 1228 | 978  | 666  | 547  |
| 67.5°  | 1920 | 1898 | 1830 | 1693 | 1494 | 1327 | 1238 | 1161 | 947  | 635  | 496  |
| 70°    | 1705 | 1692 | 1615 | 1464 | 1277 | 1117 | 1088 | 1080 | 906  | 602  | 449  |
| 72.5°  | 1562 | 1549 | 1469 | 1313 | 1114 | 959  | 977  | 957  | 877  | 577  | 401  |
| 75°    | 1463 | 1454 | 1364 | 1204 | 1008 | 845  | 831  | 840  | 810  | 543  | 352  |
| 77.5°  | 1387 | 1379 | 1285 | 1126 | 928  | 759  | 745  | 774  | 751  | 504  | 296  |
| 80°    | 1322 | 1307 | 1218 | 1060 | 877  | 698  | 676  | 672  | 667  | 426  | 231  |
| 82.5°  | 1244 | 1229 | 1144 | 999  | 829  | 663  | 625  | 611  | 547  | 331  | 171  |
| 85°    | 1163 | 1148 | 1072 | 940  | 786  | 619  | 584  | 562  | 491  | 244  | 115  |
| 87.5°  | 1089 | 1074 | 1001 | 882  | 741  | 589  | 544  | 506  | 413  | 178  | 81   |
| 90°    | 1007 | 999  | 937  | 828  | 703  | 556  | 514  | 465  | 358  | 145  | 74   |
| 92.5°  | 935  | 930  | 876  | 780  | 668  | 538  | 481  | 420  | 310  | 120  | 67   |
| 95°    | 877  | 869  | 823  | 741  | 641  | 520  | 469  | 385  | 266  | 104  | 68   |
| 97.5°  | 908  | 905  | 860  | 767  | 653  | 525  | 441  | 353  | 232  | 99   | 71   |
| 100°   | 889  | 884  | 838  | 743  | 637  | 496  | 404  | 314  | 194  | 101  | 76   |
| 102.5° | 739  | 735  | 709  | 636  | 550  | 437  | 348  | 265  | 180  | 104  | 82   |
| 105°   | 626  | 622  | 597  | 551  | 482  | 387  | 313  | 238  | 173  | 108  | 86   |
| 107.5° | 571  | 571  | 552  | 510  | 449  | 365  | 294  | 233  | 165  | 111  | 89   |



REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 517 | 515 | 498 | 466 | 408 | 342 | 284 | 222 | 157 | 112 | 90  |
| 112.5° | 479 | 472 | 459 | 431 | 376 | 322 | 271 | 205 | 151 | 111 | 90  |
| 115°   | 431 | 428 | 417 | 394 | 349 | 302 | 251 | 188 | 148 | 109 | 87  |
| 117.5° | 392 | 390 | 380 | 358 | 322 | 283 | 232 | 177 | 144 | 105 | 83  |
| 120°   | 357 | 354 | 347 | 325 | 294 | 262 | 216 | 170 | 139 | 100 | 79  |
| 122.5° | 326 | 325 | 319 | 299 | 276 | 245 | 202 | 166 | 134 | 94  | 73  |
| 125°   | 304 | 303 | 293 | 274 | 250 | 230 | 195 | 163 | 127 | 87  | 67  |
| 127.5° | 286 | 285 | 277 | 258 | 244 | 216 | 184 | 154 | 119 | 80  | 62  |
| 130°   | 257 | 255 | 249 | 242 | 230 | 202 | 181 | 145 | 111 | 74  | 57  |
| 132.5° | 237 | 237 | 240 | 235 | 215 | 191 | 171 | 137 | 104 | 68  | 53  |
| 135°   | 237 | 237 | 232 | 221 | 202 | 194 | 161 | 127 | 98  | 62  | 48  |
| 137.5° | 223 | 222 | 217 | 206 | 196 | 184 | 149 | 118 | 91  | 57  | 44  |
| 140°   | 205 | 204 | 200 | 198 | 203 | 168 | 139 | 112 | 85  | 52  | 40  |
| 142.5° | 201 | 202 | 214 | 211 | 180 | 156 | 129 | 104 | 79  | 47  | 37  |
| 145°   | 217 | 213 | 204 | 182 | 164 | 142 | 123 | 100 | 73  | 42  | 33  |
| 147.5° | 180 | 179 | 174 | 167 | 151 | 136 | 113 | 92  | 66  | 37  | 30  |
| 150°   | 169 | 169 | 164 | 151 | 139 | 124 | 104 | 84  | 59  | 33  | 27  |
| 152.5° | 147 | 146 | 143 | 141 | 129 | 110 | 96  | 75  | 52  | 28  | 24  |
| 155°   | 139 | 139 | 139 | 125 | 112 | 101 | 86  | 66  | 46  | 24  | 21  |
| 157.5° | 119 | 117 | 115 | 109 | 102 | 90  | 74  | 57  | 40  | 20  | 18  |
| 160°   | 105 | 106 | 104 | 98  | 90  | 78  | 63  | 48  | 34  | 16  | 15  |
| 162.5° | 92  | 91  | 90  | 85  | 76  | 65  | 52  | 39  | 28  | 13  | 13  |
| 165°   | 77  | 76  | 73  | 69  | 61  | 51  | 40  | 32  | 21  | 11  | 10  |
| 167.5° | 59  | 59  | 57  | 52  | 46  | 37  | 29  | 23  | 14  | 9   | 8   |
| 170°   | 43  | 43  | 41  | 35  | 27  | 23  | 20  | 14  | 9   | 7   | 7   |
| 172.5° | 17  | 18  | 17  | 17  | 15  | 12  | 10  | 8   | 5   | 5   | 5   |
| 175°   | 1   | 1   | 2   | 4   | 5   | 5   | 5   | 4   | 5   | 5   | 5   |
| 177.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 180°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |





REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

**CANDELA DISTRIBUTION (continued):**

|        | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 | 1554 |
| 2.5°   | 1535 | 1529 | 1516 | 1496 | 1481 | 1473 | 1465 | 1466 | 1461 | 1464 |
| 5°     | 1521 | 1501 | 1475 | 1452 | 1442 | 1440 | 1443 | 1449 | 1451 | 1451 |
| 7.5°   | 1506 | 1473 | 1445 | 1437 | 1442 | 1447 | 1448 | 1451 | 1447 | 1447 |
| 10°    | 1489 | 1442 | 1429 | 1434 | 1437 | 1423 | 1399 | 1386 | 1379 | 1374 |
| 12.5°  | 1466 | 1417 | 1421 | 1422 | 1391 | 1352 | 1318 | 1298 | 1286 | 1286 |
| 15°    | 1441 | 1394 | 1405 | 1378 | 1323 | 1271 | 1236 | 1206 | 1183 | 1176 |
| 17.5°  | 1415 | 1373 | 1382 | 1315 | 1248 | 1184 | 1115 | 1048 | 1021 | 1015 |
| 20°    | 1386 | 1349 | 1335 | 1249 | 1165 | 1057 | 942  | 840  | 783  | 778  |
| 22.5°  | 1353 | 1319 | 1273 | 1174 | 1056 | 890  | 729  | 615  | 565  | 549  |
| 25°    | 1318 | 1286 | 1214 | 1091 | 907  | 696  | 528  | 450  | 417  | 421  |
| 27.5°  | 1280 | 1243 | 1150 | 988  | 731  | 520  | 407  | 359  | 340  | 338  |
| 30°    | 1239 | 1191 | 1076 | 863  | 574  | 406  | 341  | 314  | 305  | 303  |
| 32.5°  | 1193 | 1134 | 991  | 716  | 452  | 340  | 305  | 295  | 292  | 291  |
| 35°    | 1138 | 1064 | 891  | 584  | 368  | 303  | 289  | 291  | 296  | 297  |
| 37.5°  | 1080 | 989  | 786  | 469  | 317  | 283  | 285  | 306  | 327  | 330  |
| 40°    | 1018 | 919  | 669  | 385  | 284  | 272  | 297  | 347  | 381  | 390  |
| 42.5°  | 974  | 837  | 564  | 324  | 264  | 270  | 327  | 399  | 432  | 435  |
| 45°    | 913  | 762  | 471  | 284  | 249  | 279  | 365  | 426  | 432  | 432  |
| 47.5°  | 851  | 685  | 393  | 255  | 239  | 297  | 393  | 407  | 374  | 371  |
| 50°    | 790  | 598  | 328  | 231  | 234  | 318  | 384  | 335  | 289  | 285  |
| 52.5°  | 731  | 523  | 280  | 212  | 232  | 330  | 340  | 260  | 218  | 218  |
| 55°    | 670  | 444  | 242  | 198  | 232  | 322  | 281  | 202  | 172  | 168  |
| 57°    | 612  | 392  | 218  | 187  | 232  | 301  | 228  | 168  | 146  | 144  |
| 57.5°  | 599  | 380  | 214  | 185  | 232  | 295  | 218  | 162  | 139  | 138  |
| 60°    | 545  | 319  | 190  | 174  | 230  | 254  | 174  | 132  | 116  | 115  |
| 62.5°  | 490  | 274  | 171  | 164  | 221  | 213  | 146  | 112  | 99   | 98   |
| 65°    | 444  | 232  | 155  | 155  | 208  | 174  | 121  | 96   | 84   | 83   |
| 67.5°  | 395  | 197  | 142  | 145  | 189  | 144  | 101  | 82   | 72   | 71   |
| 70°    | 335  | 169  | 130  | 135  | 168  | 120  | 85   | 69   | 61   | 60   |
| 72.5°  | 286  | 145  | 120  | 125  | 145  | 100  | 73   | 59   | 50   | 50   |
| 75°    | 224  | 125  | 110  | 114  | 123  | 82   | 61   | 49   | 41   | 40   |
| 77.5°  | 171  | 108  | 100  | 103  | 104  | 67   | 50   | 41   | 33   | 33   |
| 80°    | 122  | 93   | 92   | 92   | 86   | 56   | 43   | 33   | 27   | 26   |
| 82.5°  | 92   | 80   | 84   | 82   | 71   | 47   | 36   | 27   | 20   | 19   |
| 85°    | 73   | 70   | 76   | 73   | 58   | 40   | 30   | 20   | 14   | 13   |
| 87.5°  | 60   | 63   | 69   | 61   | 44   | 29   | 19   | 11   | 5    | 4    |
| 90°    | 55   | 59   | 62   | 51   | 35   | 21   | 12   | 5    | 1    | 0    |
| 92.5°  | 56   | 58   | 60   | 48   | 33   | 19   | 11   | 5    | 1    | 0    |
| 95°    | 59   | 59   | 58   | 47   | 32   | 19   | 11   | 5    | 1    | 0    |
| 97.5°  | 63   | 60   | 57   | 46   | 31   | 19   | 10   | 5    | 1    | 0    |
| 100°   | 67   | 61   | 57   | 45   | 31   | 18   | 10   | 5    | 1    | 0    |
| 102.5° | 71   | 62   | 57   | 45   | 30   | 18   | 10   | 5    | 1    | 0    |
| 105°   | 74   | 62   | 56   | 45   | 30   | 18   | 10   | 5    | 1    | 0    |
| 107.5° | 76   | 62   | 55   | 44   | 30   | 17   | 10   | 5    | 1    | 0    |



REPORT NUMBER: P290556  
 CATALOG NUMBER: AXCS5ARL-C

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110°   | 77  | 61   | 53   | 43   | 29   | 17   | 9    | 4    | 1    | 0    |
| 112.5° | 76  | 60   | 51   | 41   | 28   | 16   | 9    | 4    | 1    | 0    |
| 115°   | 73  | 58   | 49   | 39   | 27   | 16   | 9    | 4    | 1    | 0    |
| 117.5° | 70  | 55   | 47   | 37   | 26   | 15   | 8    | 4    | 1    | 0    |
| 120°   | 67  | 52   | 44   | 35   | 24   | 14   | 8    | 4    | 0    | 0    |
| 122.5° | 63  | 50   | 42   | 33   | 23   | 14   | 7    | 3    | 0    | 0    |
| 125°   | 59  | 47   | 40   | 32   | 22   | 13   | 7    | 3    | 0    | 0    |
| 127.5° | 55  | 44   | 37   | 30   | 21   | 12   | 7    | 3    | 0    | 0    |
| 130°   | 51  | 42   | 35   | 28   | 20   | 11   | 6    | 3    | 0    | 0    |
| 132.5° | 47  | 39   | 32   | 26   | 18   | 11   | 6    | 3    | 0    | 0    |
| 135°   | 43  | 36   | 30   | 24   | 17   | 10   | 5    | 2    | 0    | 0    |
| 137.5° | 40  | 34   | 28   | 23   | 16   | 9    | 5    | 2    | 0    | 0    |
| 140°   | 37  | 31   | 26   | 21   | 15   | 8    | 5    | 2    | 0    | 0    |
| 142.5° | 34  | 29   | 24   | 19   | 13   | 8    | 4    | 2    | 0    | 0    |
| 145°   | 31  | 26   | 22   | 17   | 12   | 7    | 4    | 2    | 0    | 0    |
| 147.5° | 28  | 24   | 20   | 16   | 10   | 6    | 3    | 1    | 0    | 0    |
| 150°   | 25  | 22   | 18   | 14   | 9    | 5    | 3    | 1    | 0    | 0    |
| 152.5° | 23  | 19   | 16   | 12   | 8    | 5    | 2    | 1    | 0    | 0    |
| 155°   | 20  | 17   | 14   | 11   | 7    | 4    | 2    | 1    | 0    | 0    |
| 157.5° | 17  | 15   | 12   | 9    | 6    | 3    | 1    | 1    | 0    | 0    |
| 160°   | 15  | 13   | 11   | 8    | 5    | 3    | 1    | 0    | 0    | 0    |
| 162.5° | 12  | 11   | 9    | 6    | 4    | 2    | 1    | 0    | 0    | 0    |
| 165°   | 10  | 9    | 7    | 5    | 3    | 2    | 1    | 0    | 0    | 0    |
| 167.5° | 8   | 7    | 6    | 4    | 3    | 1    | 1    | 0    | 0    | 0    |
| 170°   | 7   | 6    | 5    | 3    | 2    | 1    | 1    | 0    | 0    | 0    |
| 172.5° | 5   | 5    | 4    | 2    | 1    | 1    | 0    | 0    | 0    | 0    |
| 175°   | 5   | 4    | 2    | 2    | 1    | 1    | 0    | 0    | 0    | 0    |
| 177.5° | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 180°   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

(END OF REPORT)