

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: P231795

Luminaire Tested: **AXCL6A-W-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P231795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1709-271-3)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL6A-W-GRF
Description: AXCENT CUTOFF WALLPACK WITH FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.9 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.29' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

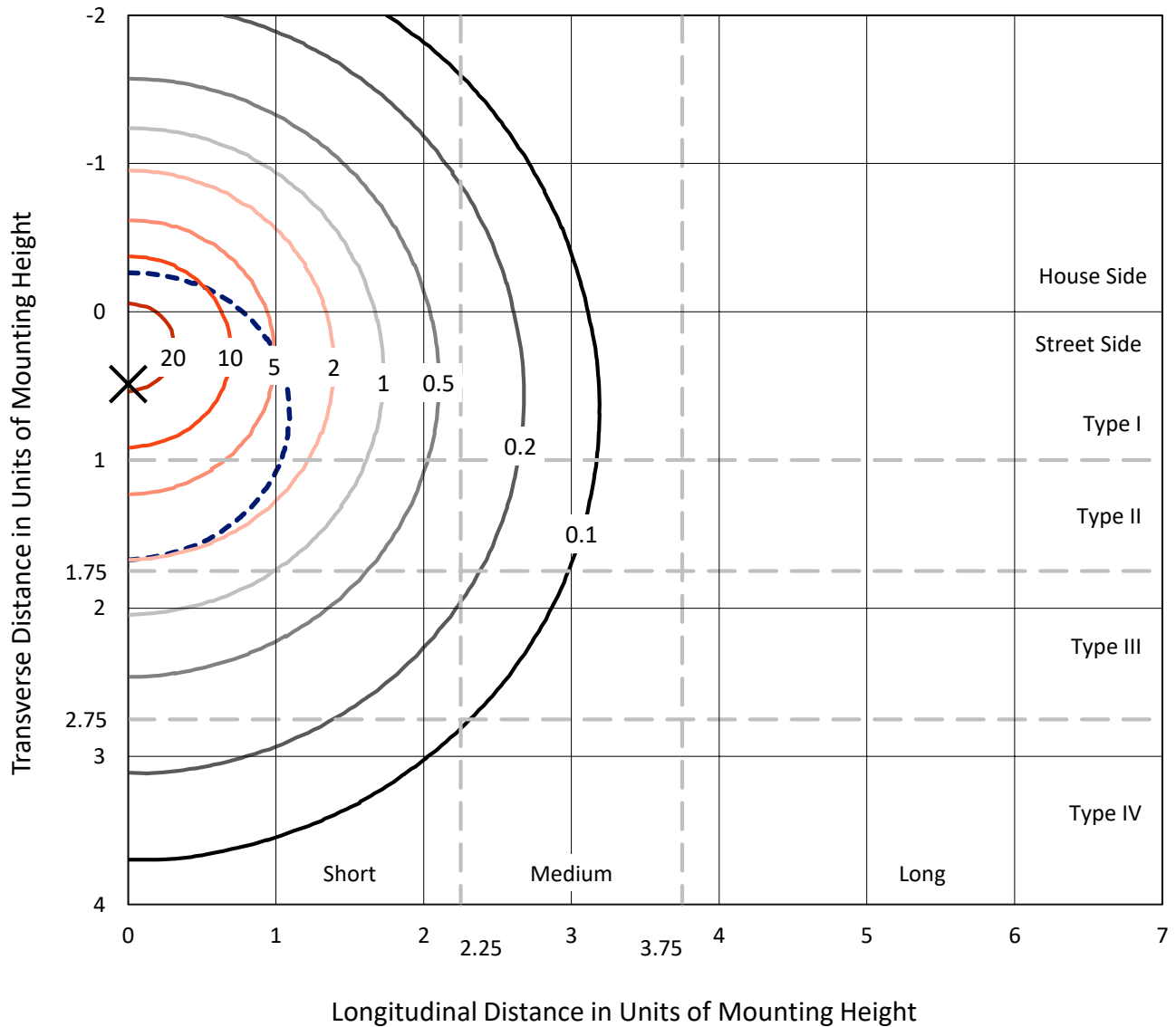
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P231795
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Iso-Footcandle Lines of Horizontal Illumination

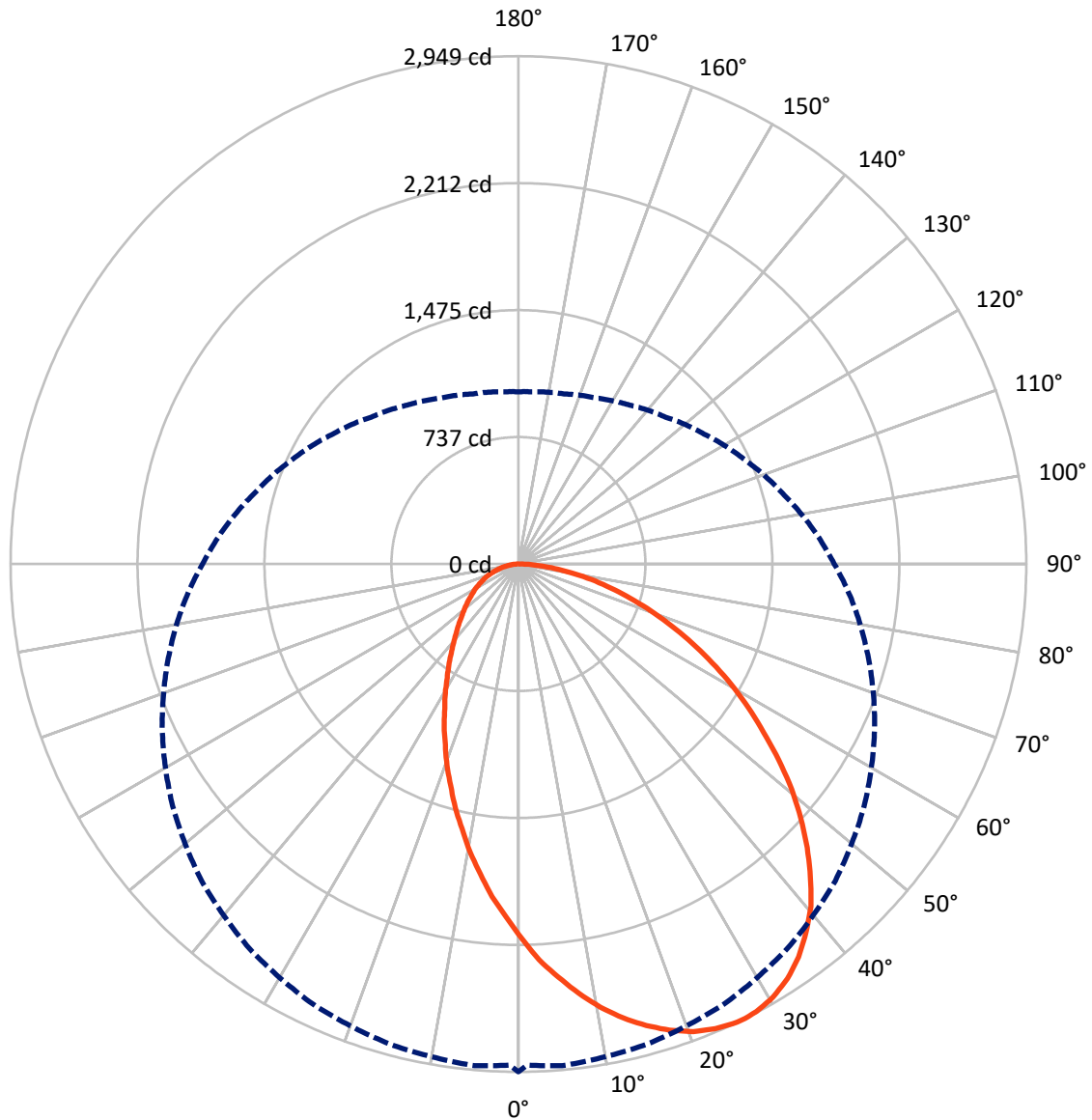
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 26-Deg Vertical

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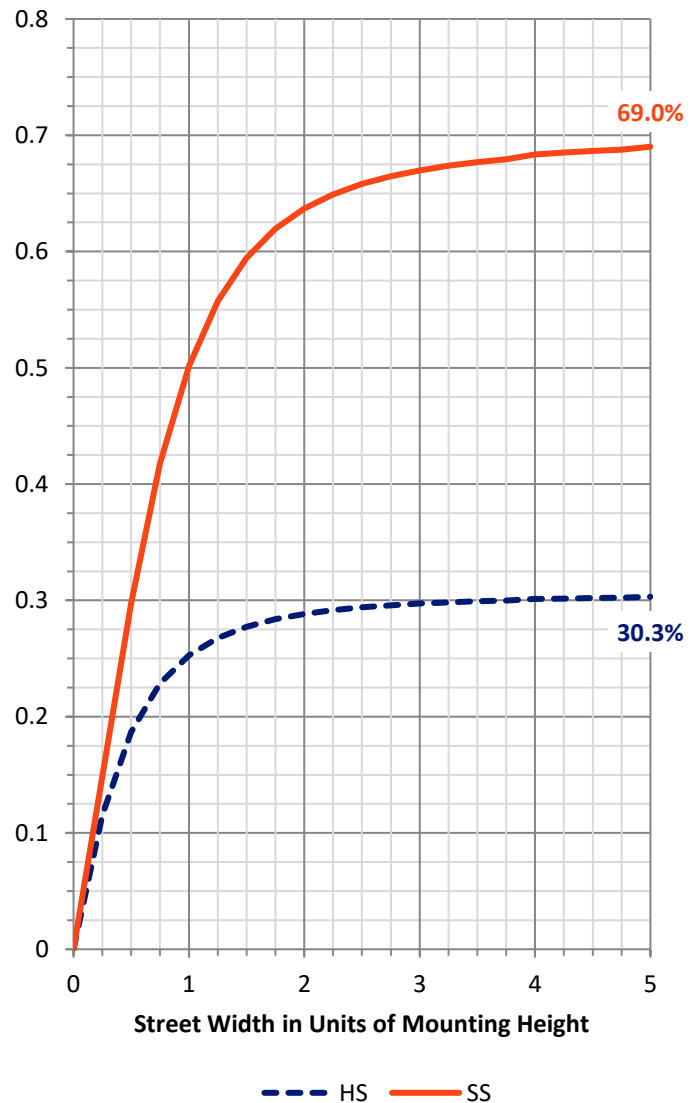
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1727.2 | 0.0 | 1727.2 |
| | % Fixture | 30.6 | 0.0 | 30.6 |
| Street Side | Lumens | 3912.7 | 0.0 | 3912.7 |
| | % Fixture | 69.4 | 0.0 | 69.4 |
| Total | Lumens | 5639.9 | 0.0 | 5639.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 205.7 | 3.6 |
| 10°-20° | 588.9 | 10.4 |
| 20°-30° | 885.4 | 15.7 |
| 30°-40° | 1038.6 | 18.4 |
| 40°-50° | 1022.2 | 18.1 |
| 50°-60° | 863.1 | 15.3 |
| 60°-70° | 615.9 | 10.9 |
| 70°-80° | 333.9 | 5.9 |
| 80°-90° | 86.2 | 1.5 |
| 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°-90° | 5639.9 | 100.0 |
| 0°-180° | 5639.9 | 100.0 |

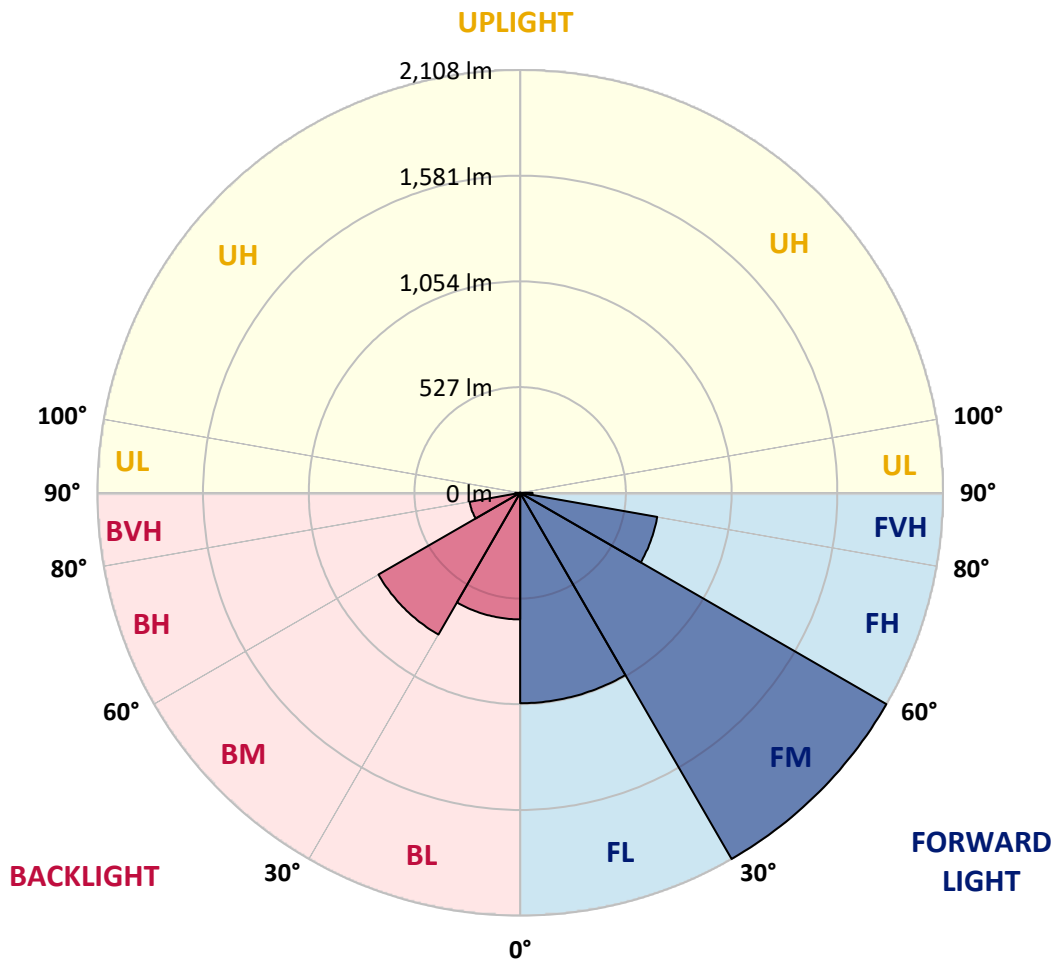


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1049.1 | 18.6 | | | |
| FM | (30°-60°) | 2108.1 | 37.4 | | | |
| FH | (60°-80°) | 693.7 | 12.3 | | | G1/1800 |
| FVH | (80°-90°) | 61.8 | 1.1 | | | G1/100 |
| BL | (0°-30°) | 630.9 | 11.2 | B2/1000 | | |
| BM | (30°-60°) | 815.8 | 14.5 | B1/1000 | | |
| BH | (60°-80°) | 256.1 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 24.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 |
| 2.5° | 2301.9 | 2279.9 | 2291.3 | 2289.0 | 2276.8 | 2269.3 | 2257.9 | 2239.0 | 2222.9 | 2201.6 | 2181.6 |
| 5° | 2409.0 | 2386.9 | 2397.9 | 2390.5 | 2376.7 | 2353.1 | 2327.9 | 2296.4 | 2262.6 | 2221.3 | 2182.3 |
| 7.5° | 2516.4 | 2490.4 | 2500.6 | 2489.2 | 2466.0 | 2436.9 | 2397.2 | 2345.2 | 2295.3 | 2235.5 | 2176.8 |
| 10° | 2618.3 | 2586.0 | 2597.4 | 2580.9 | 2550.2 | 2506.9 | 2455.8 | 2390.5 | 2320.4 | 2242.9 | 2165.0 |
| 12.5° | 2705.2 | 2671.0 | 2687.1 | 2664.3 | 2627.7 | 2572.2 | 2509.3 | 2428.2 | 2339.7 | 2243.7 | 2146.2 |
| 15° | 2781.1 | 2749.7 | 2762.7 | 2737.5 | 2694.6 | 2631.2 | 2551.8 | 2457.0 | 2349.6 | 2237.0 | 2120.6 |
| 17.5° | 2846.5 | 2815.4 | 2829.5 | 2798.5 | 2749.7 | 2675.7 | 2584.4 | 2473.1 | 2351.9 | 2221.3 | 2088.3 |
| 20° | 2899.2 | 2862.2 | 2876.7 | 2843.7 | 2789.8 | 2707.2 | 2606.5 | 2481.0 | 2343.3 | 2197.3 | 2048.6 |
| 22.5° | 2931.0 | 2895.6 | 2909.4 | 2874.4 | 2814.2 | 2725.3 | 2613.9 | 2477.4 | 2325.9 | 2164.6 | 2000.6 |
| 25° | 2948.3 | 2910.6 | 2923.6 | 2885.8 | 2822.1 | 2728.4 | 2608.0 | 2460.5 | 2298.0 | 2124.9 | 1950.2 |
| 26° | 2949.1 | 2910.6 | 2924.7 | 2886.2 | 2821.3 | 2724.9 | 2601.7 | 2451.1 | 2281.9 | 2104.1 | 1925.8 |
| 27.5° | 2943.2 | 2905.1 | 2918.4 | 2879.5 | 2813.4 | 2714.3 | 2587.6 | 2433.4 | 2256.7 | 2071.8 | 1886.1 |
| 30° | 2916.9 | 2880.3 | 2892.9 | 2854.3 | 2785.1 | 2684.0 | 2551.8 | 2389.3 | 2206.3 | 2012.4 | 1820.0 |
| 32.5° | 2869.7 | 2831.9 | 2844.5 | 2807.5 | 2738.3 | 2632.0 | 2500.2 | 2331.1 | 2144.6 | 1944.7 | 1744.1 |
| 35° | 2802.0 | 2767.0 | 2781.1 | 2741.0 | 2669.4 | 2565.9 | 2432.2 | 2262.2 | 2071.8 | 1868.8 | 1664.6 |
| 37.5° | 2712.3 | 2678.9 | 2692.6 | 2653.7 | 2588.4 | 2483.7 | 2348.8 | 2177.6 | 1987.6 | 1783.8 | 1581.6 |
| 40° | 2615.5 | 2577.7 | 2588.0 | 2548.2 | 2487.6 | 2381.0 | 2253.9 | 2085.6 | 1893.2 | 1694.5 | 1489.9 |
| 42.5° | 2486.5 | 2457.0 | 2469.9 | 2434.9 | 2369.2 | 2268.5 | 2144.6 | 1979.7 | 1797.2 | 1596.9 | 1400.2 |
| 45° | 2350.3 | 2323.2 | 2336.2 | 2302.3 | 2243.7 | 2152.4 | 2026.2 | 1869.2 | 1689.8 | 1498.6 | 1308.5 |
| 47.5° | 2207.1 | 2183.1 | 2188.6 | 2161.5 | 2100.1 | 2015.9 | 1897.9 | 1747.2 | 1576.9 | 1396.3 | 1216.1 |
| 50° | 2057.2 | 2032.1 | 2036.0 | 2014.4 | 1958.5 | 1880.6 | 1765.7 | 1629.2 | 1465.9 | 1297.5 | 1119.7 |
| 52.5° | 1892.8 | 1875.9 | 1886.1 | 1858.2 | 1805.8 | 1733.8 | 1631.9 | 1500.5 | 1349.1 | 1190.1 | 1030.4 |
| 55° | 1728.7 | 1719.7 | 1726.4 | 1702.8 | 1657.1 | 1588.3 | 1497.8 | 1376.6 | 1239.7 | 1087.4 | 939.9 |
| 57.5° | 1576.1 | 1558.4 | 1568.2 | 1549.7 | 1506.4 | 1443.5 | 1360.5 | 1248.0 | 1121.3 | 985.9 | 853.0 |
| 60° | 1419.9 | 1410.8 | 1413.6 | 1389.2 | 1357.7 | 1299.9 | 1222.8 | 1125.2 | 1006.8 | 890.3 | 762.5 |
| 62.5° | 1262.1 | 1249.1 | 1257.0 | 1237.7 | 1203.5 | 1156.3 | 1092.5 | 1002.1 | 900.2 | 790.4 | 681.8 |
| 65° | 1110.3 | 1100.4 | 1102.4 | 1087.0 | 1068.2 | 1019.4 | 958.0 | 881.3 | 790.4 | 694.8 | 598.4 |
| 67.5° | 958.4 | 964.3 | 956.4 | 942.7 | 922.6 | 884.8 | 831.7 | 763.3 | 686.9 | 604.7 | 517.4 |
| 70° | 816.0 | 819.1 | 816.0 | 806.5 | 786.1 | 760.9 | 710.1 | 656.6 | 586.2 | 512.2 | 443.4 |
| 72.5° | 679.1 | 687.7 | 684.6 | 675.9 | 657.4 | 628.3 | 590.5 | 545.7 | 489.4 | 426.9 | 369.8 |
| 75° | 553.6 | 552.8 | 559.8 | 546.5 | 533.9 | 506.7 | 478.4 | 438.7 | 395.0 | 347.4 | 295.1 |
| 77.5° | 432.4 | 433.6 | 429.2 | 425.3 | 414.3 | 398.9 | 376.9 | 341.1 | 307.3 | 267.1 | 227.4 |
| 80° | 312.8 | 319.1 | 318.3 | 312.4 | 305.7 | 291.9 | 275.8 | 251.8 | 221.9 | 193.6 | 164.8 |
| 82.5° | 211.3 | 221.5 | 214.8 | 212.8 | 208.1 | 196.3 | 184.5 | 166.8 | 150.3 | 130.2 | 107.4 |
| 85° | 123.5 | 134.9 | 129.4 | 128.7 | 125.5 | 115.7 | 108.2 | 97.6 | 83.4 | 71.2 | 58.2 |
| 87.5° | 58.2 | 72.0 | 67.3 | 64.5 | 61.4 | 57.0 | 51.5 | 45.6 | 37.4 | 29.1 | 20.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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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 CATALOG NUMBER: AXCL6A-W-GRF

CANDELA DISTRIBUTION (continued):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



REPORT NUMBER: P231795
 CATALOG NUMBER: AXCL6A-W-GRF

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 | 2174.5 |
| 2.5° | 2170.9 | 2162.3 | 2142.6 | 2122.2 | 2105.6 | 2086.0 | 2076.9 | 2063.9 | 2058.4 | 2054.1 | 2049.8 |
| 5° | 2160.7 | 2142.6 | 2104.4 | 2063.9 | 2031.3 | 1997.8 | 1978.9 | 1954.9 | 1942.4 | 1931.7 | 1937.2 |
| 7.5° | 2146.2 | 2116.2 | 2058.4 | 2004.9 | 1952.6 | 1905.8 | 1873.1 | 1846.4 | 1827.1 | 1811.3 | 1812.5 |
| 10° | 2124.9 | 2086.3 | 2011.2 | 1939.6 | 1870.4 | 1814.1 | 1772.8 | 1737.0 | 1706.3 | 1698.4 | 1696.9 |
| 12.5° | 2096.6 | 2049.8 | 1955.7 | 1867.6 | 1788.9 | 1722.8 | 1666.2 | 1621.7 | 1591.8 | 1577.6 | 1572.1 |
| 15° | 2062.0 | 2005.7 | 1896.7 | 1795.2 | 1703.2 | 1623.7 | 1561.9 | 1512.7 | 1483.6 | 1460.8 | 1462.4 |
| 17.5° | 2020.6 | 1957.3 | 1831.0 | 1717.7 | 1617.0 | 1528.9 | 1458.0 | 1409.3 | 1366.4 | 1347.9 | 1344.3 |
| 20° | 1973.8 | 1903.4 | 1765.7 | 1640.2 | 1526.9 | 1434.0 | 1356.9 | 1300.7 | 1259.0 | 1242.1 | 1240.9 |
| 22.5° | 1920.3 | 1844.8 | 1693.7 | 1557.2 | 1439.9 | 1336.5 | 1259.0 | 1196.4 | 1158.3 | 1135.4 | 1133.1 |
| 25° | 1860.9 | 1777.9 | 1617.0 | 1474.2 | 1349.5 | 1245.6 | 1163.8 | 1100.8 | 1059.1 | 1041.0 | 1038.3 |
| 26° | 1834.2 | 1751.5 | 1587.1 | 1443.5 | 1316.0 | 1207.0 | 1126.0 | 1063.8 | 1022.5 | 1003.6 | 1000.1 |
| 27.5° | 1795.6 | 1705.5 | 1539.5 | 1391.6 | 1261.3 | 1158.6 | 1072.9 | 1012.7 | 965.1 | 945.0 | 941.9 |
| 30° | 1722.0 | 1632.7 | 1458.4 | 1307.4 | 1177.5 | 1071.3 | 986.3 | 924.2 | 884.0 | 862.4 | 862.0 |
| 32.5° | 1644.5 | 1551.3 | 1378.6 | 1223.2 | 1092.9 | 985.5 | 905.3 | 845.1 | 805.0 | 783.7 | 780.6 |
| 35° | 1565.5 | 1469.8 | 1298.3 | 1142.9 | 1015.0 | 910.0 | 829.7 | 771.5 | 733.7 | 712.1 | 712.5 |
| 37.5° | 1478.1 | 1385.7 | 1212.5 | 1061.9 | 938.7 | 839.6 | 760.9 | 704.2 | 670.0 | 649.9 | 648.8 |
| 40° | 1390.0 | 1300.3 | 1131.5 | 987.1 | 865.9 | 769.9 | 696.0 | 644.0 | 611.0 | 592.5 | 590.1 |
| 42.5° | 1304.6 | 1213.3 | 1049.7 | 911.2 | 797.5 | 706.6 | 636.2 | 590.5 | 557.5 | 543.3 | 540.6 |
| 45° | 1216.5 | 1131.1 | 969.4 | 840.0 | 730.2 | 648.8 | 583.8 | 540.2 | 510.3 | 496.5 | 494.9 |
| 47.5° | 1124.4 | 1043.4 | 898.6 | 773.1 | 672.0 | 593.7 | 535.1 | 495.7 | 469.0 | 455.2 | 452.8 |
| 50° | 1037.9 | 963.5 | 821.9 | 709.0 | 614.9 | 544.9 | 492.6 | 455.2 | 429.6 | 417.8 | 415.9 |
| 52.5° | 954.1 | 880.1 | 751.8 | 648.4 | 562.6 | 497.7 | 450.5 | 415.9 | 394.2 | 383.6 | 383.6 |
| 55° | 869.1 | 801.4 | 684.6 | 590.1 | 513.4 | 453.2 | 412.7 | 381.2 | 361.6 | 352.1 | 350.2 |
| 57.5° | 785.7 | 725.1 | 620.0 | 533.9 | 466.2 | 413.1 | 375.3 | 349.0 | 331.7 | 321.8 | 320.6 |
| 60° | 704.6 | 652.3 | 556.7 | 479.6 | 420.6 | 374.5 | 340.7 | 316.7 | 301.0 | 293.5 | 293.5 |
| 62.5° | 629.1 | 579.5 | 495.7 | 430.4 | 375.7 | 337.2 | 306.9 | 285.6 | 272.3 | 266.7 | 264.8 |
| 65° | 551.2 | 509.5 | 439.5 | 378.5 | 333.6 | 299.8 | 274.6 | 256.5 | 244.7 | 239.2 | 237.2 |
| 67.5° | 479.2 | 444.2 | 382.4 | 330.9 | 292.7 | 263.2 | 241.6 | 227.0 | 216.0 | 210.9 | 211.7 |
| 70° | 406.8 | 378.5 | 325.4 | 285.2 | 253.4 | 226.6 | 210.1 | 197.5 | 189.6 | 183.7 | 185.3 |
| 72.5° | 340.3 | 313.6 | 272.3 | 237.2 | 211.3 | 192.8 | 178.2 | 167.6 | 160.9 | 157.4 | 158.6 |
| 75° | 272.3 | 253.0 | 221.1 | 193.6 | 173.5 | 159.3 | 146.0 | 138.5 | 133.4 | 131.4 | 130.6 |
| 77.5° | 211.7 | 195.1 | 171.9 | 151.5 | 136.5 | 125.5 | 116.1 | 111.3 | 106.2 | 105.0 | 105.0 |
| 80° | 151.5 | 141.2 | 123.1 | 110.9 | 99.5 | 92.5 | 87.7 | 83.4 | 81.8 | 80.7 | 80.3 |
| 82.5° | 99.9 | 91.3 | 81.8 | 74.0 | 68.1 | 63.7 | 60.2 | 59.4 | 57.4 | 57.0 | 57.4 |
| 85° | 52.3 | 49.2 | 44.5 | 40.9 | 40.5 | 38.6 | 38.2 | 38.6 | 38.2 | 37.8 | 37.8 |
| 87.5° | 18.9 | 17.3 | 17.3 | 17.7 | 18.9 | 20.1 | 20.5 | 22.0 | 22.8 | 23.6 | 24.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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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| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

(END OF REPORT)