

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

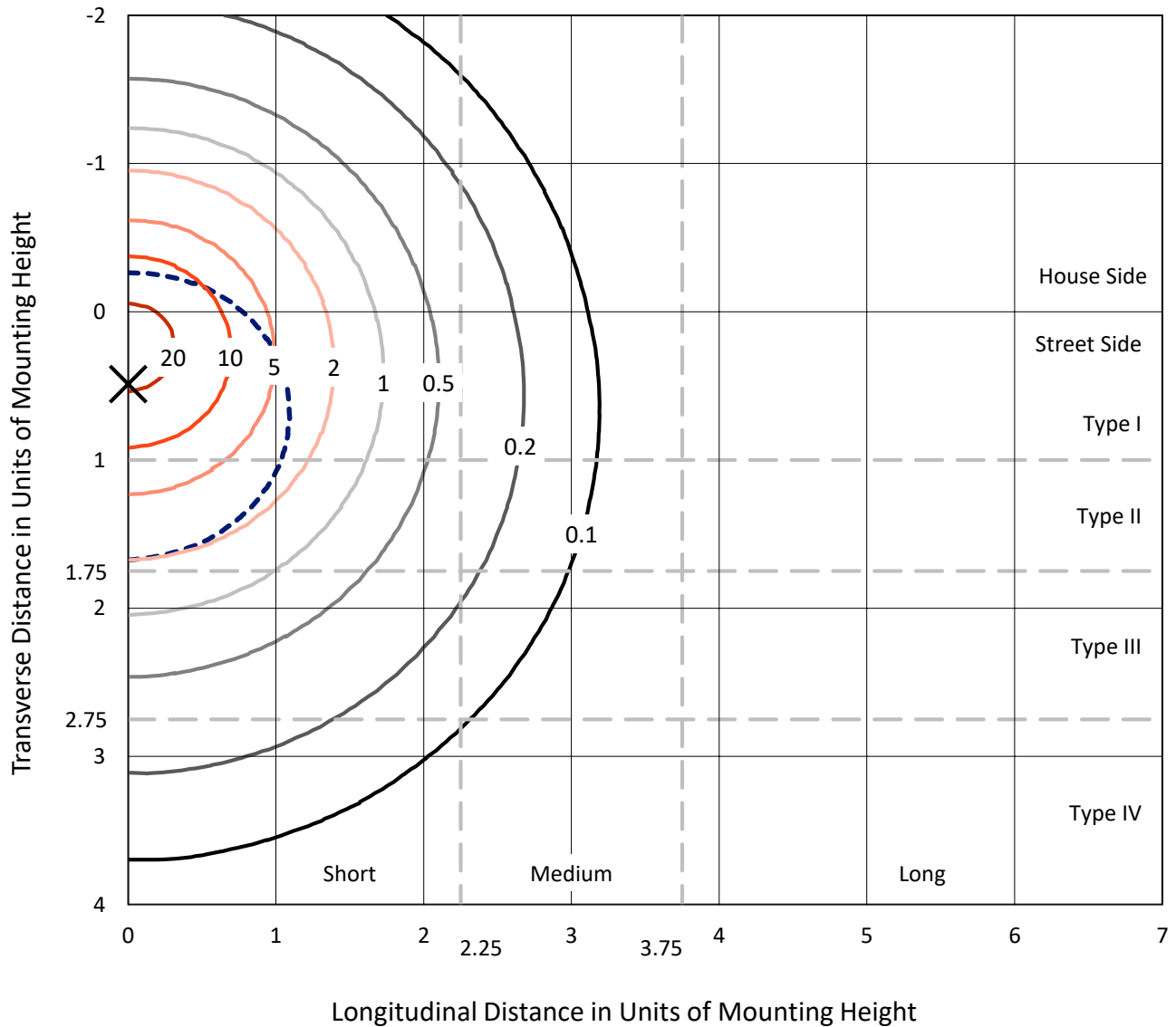
Input Watts (W): 56.43  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

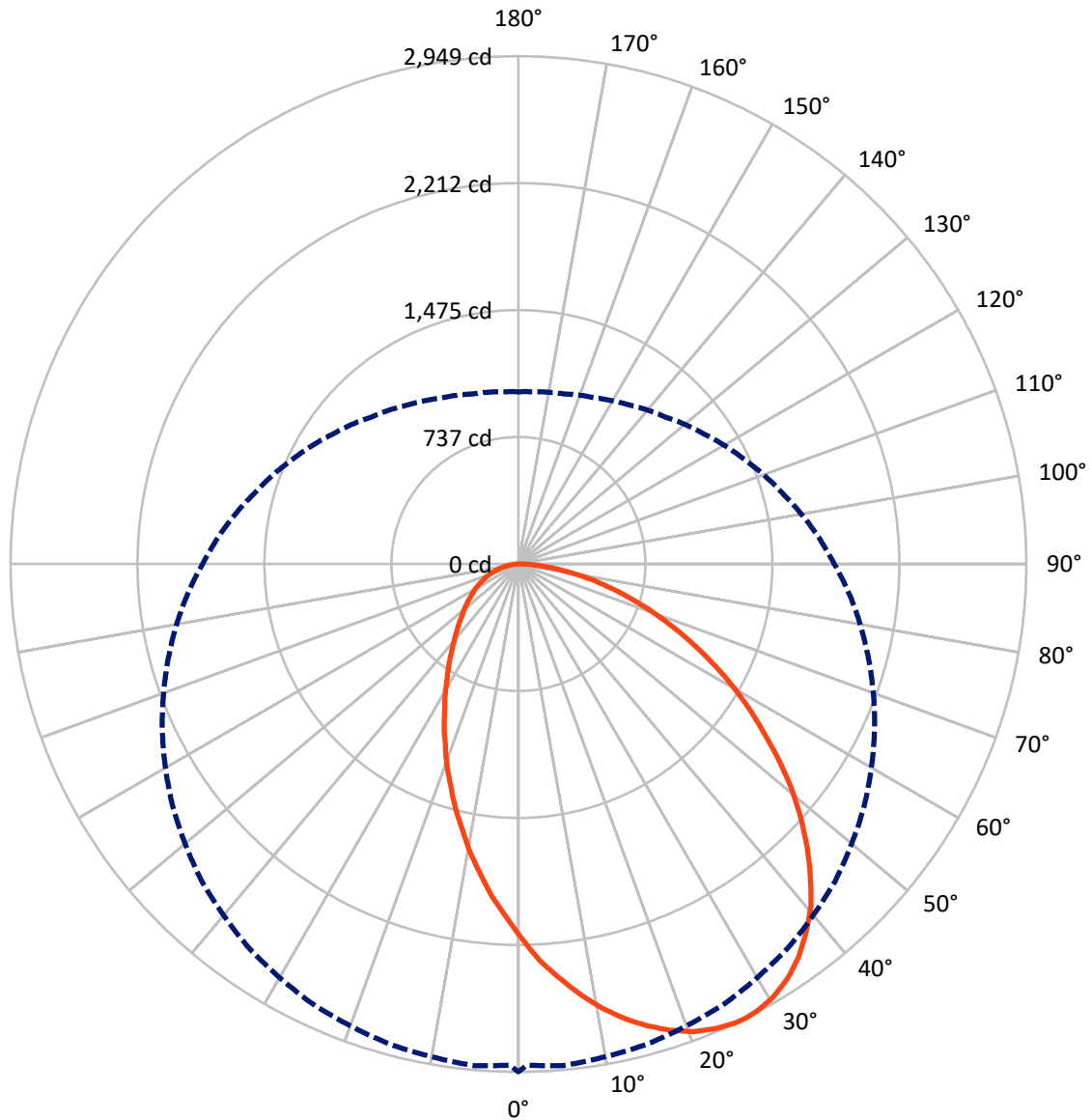
✕ Max cd  
 - - - 1/2 Max cd



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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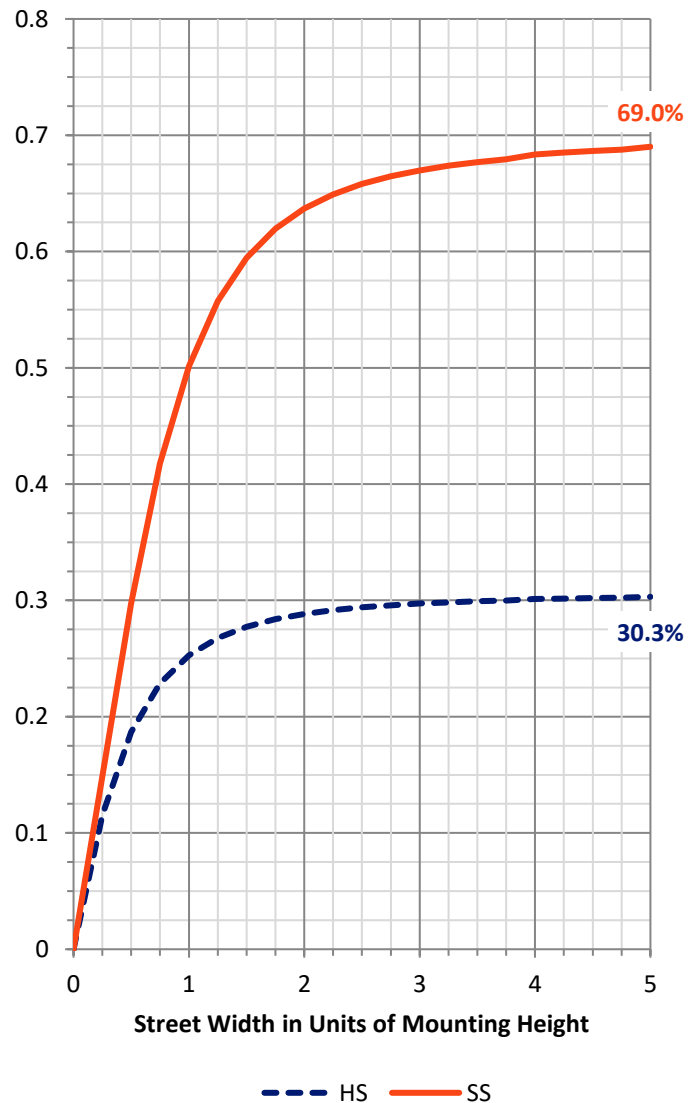
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1727.2	0.0	1727.2
	% Fixture	30.6	0.0	30.6
<b>Street Side</b>	Lumens	3912.7	0.0	3912.7
	% Fixture	69.4	0.0	69.4
<b>Total</b>	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

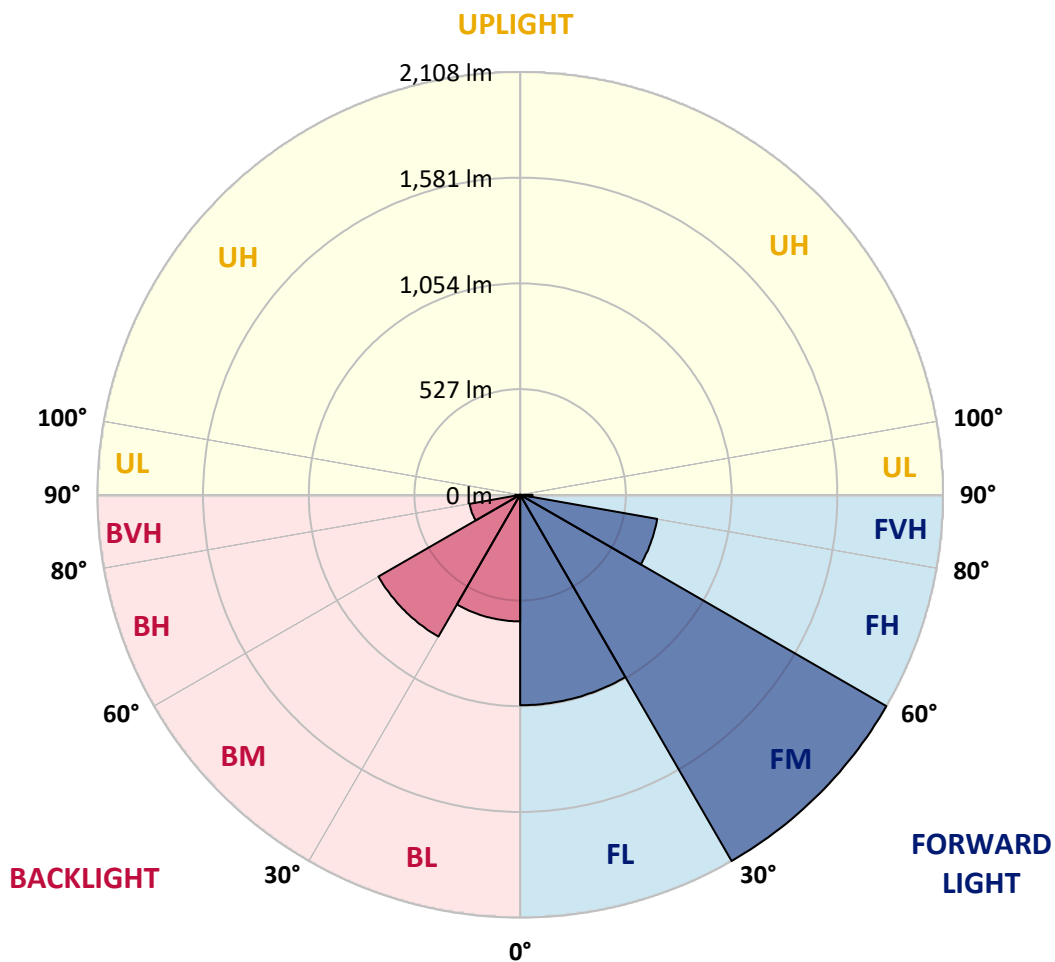


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

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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**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





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**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



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

**CANDELA DISTRIBUTION (continued):**

	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)