

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: P231793

Luminaire Tested: **AXCL6A-C-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P231793
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-C-GRF
Description: AXCENT CUTOFF WALLPACK WITH FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6361.2 lumens
Efficiency: N/A
Efficacy: 112.7 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

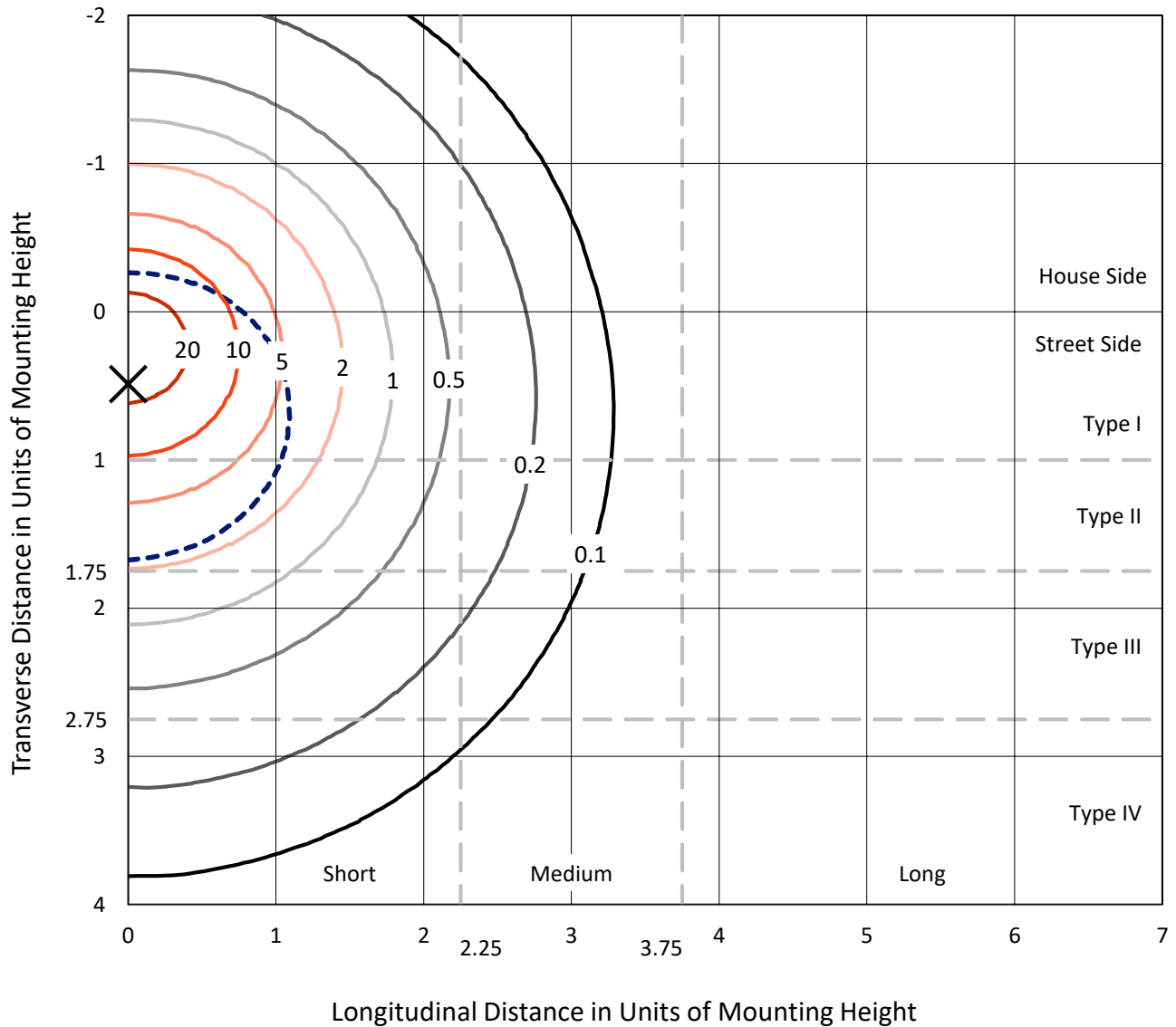
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

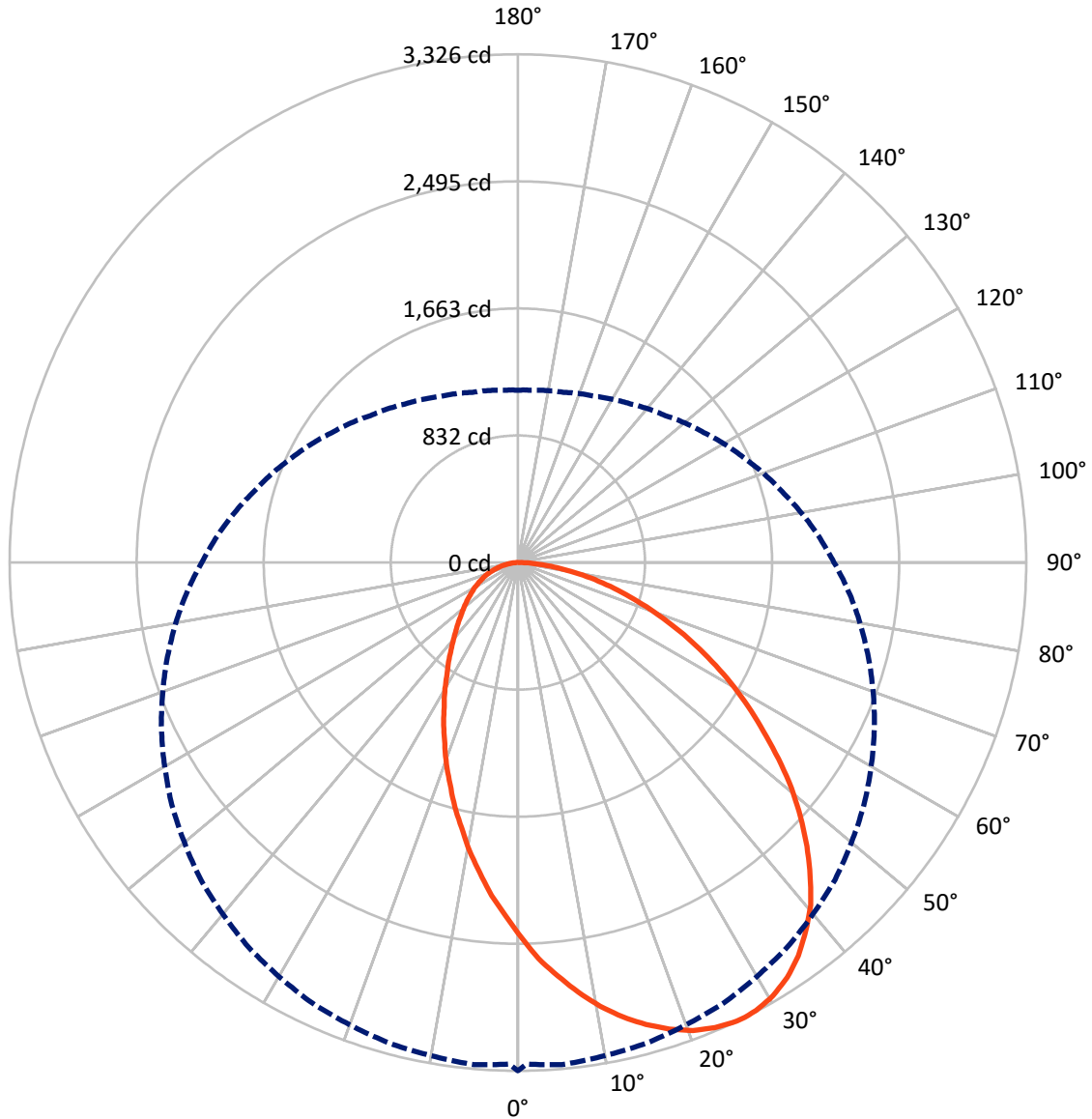
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.3 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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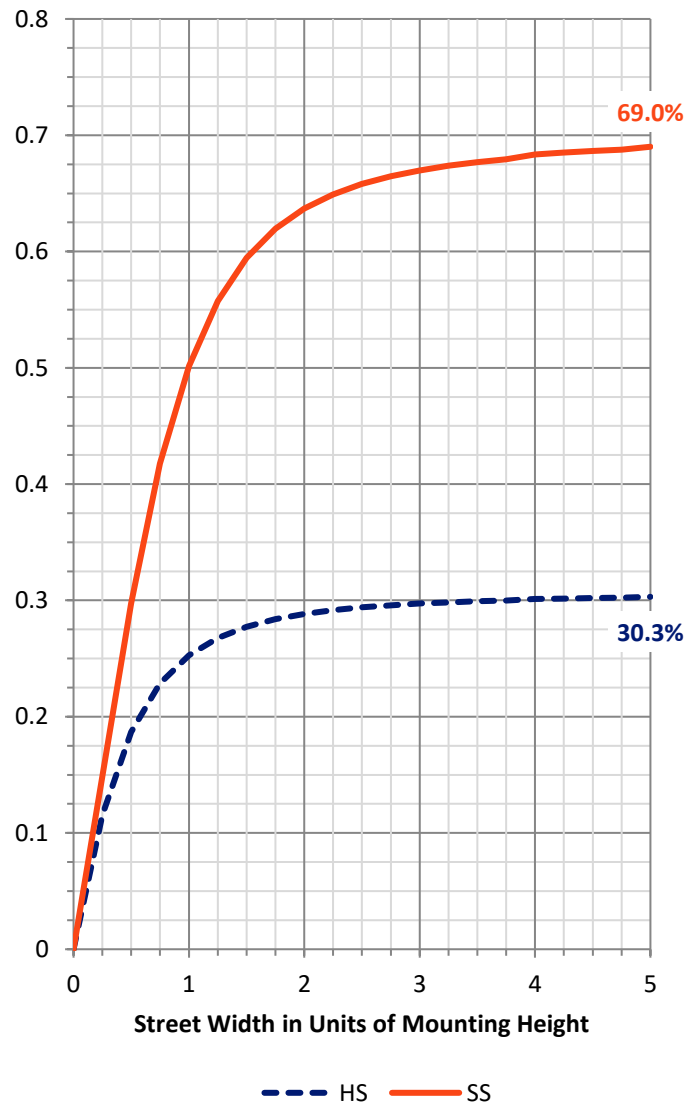
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1948.1	0.0	1948.1
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	4413.2	0.0	4413.2
	% Fixture	69.4	0.0	69.4
Total	Lumens	6361.2	0.0	6361.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	3.6
10°-20°	664.3	10.4
20°-30°	998.6	15.7
30°-40°	1171.4	18.4
40°-50°	1152.9	18.1
50°-60°	973.5	15.3
60°-70°	694.7	10.9
70°-80°	376.6	5.9
80°-90°	97.2	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°	6361.2	100.0
0°-180°	6361.2	100.0

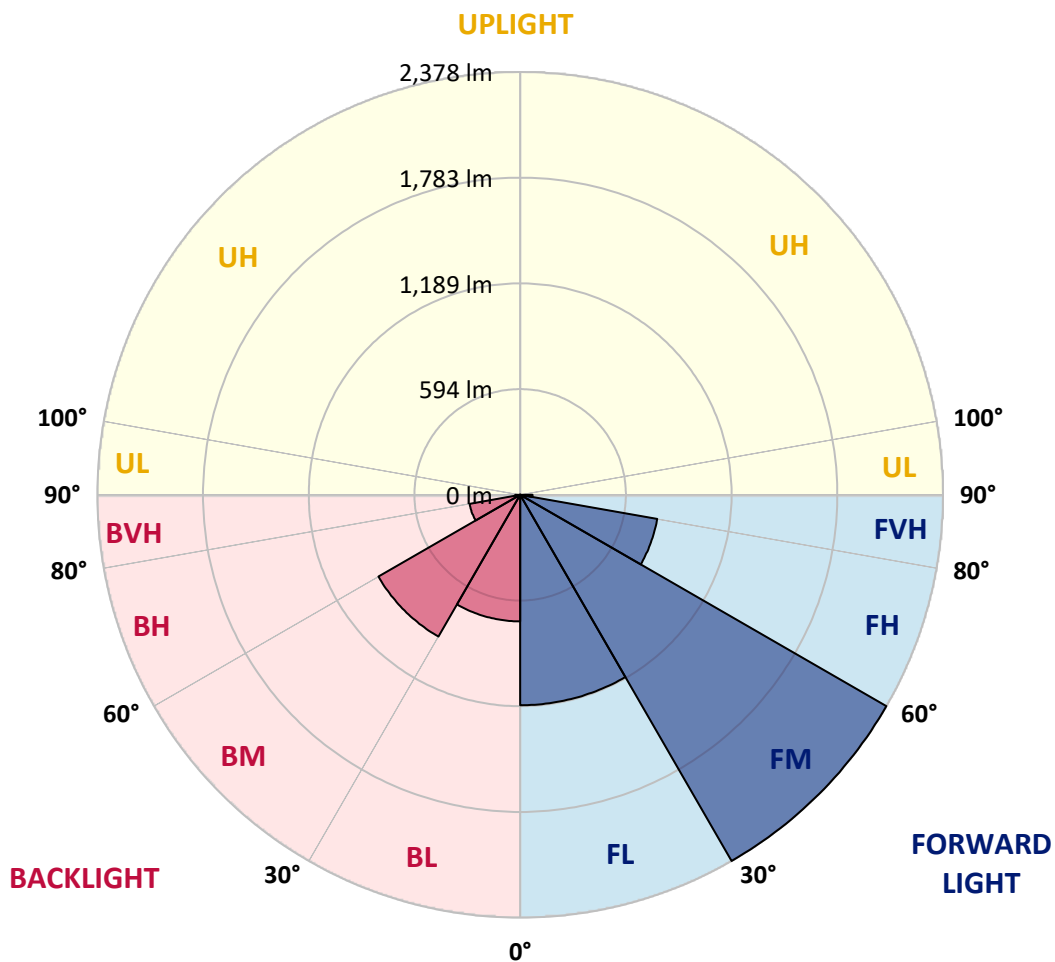


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1183.3	18.6			
FM	(30°-60°)	2377.7	37.4			
FH	(60°-80°)	782.4	12.3			G1/1800
FVH	(80°-90°)	69.7	1.1			G1/100
BL	(0°-30°)	711.6	11.2	B2/1000		
BM	(30°-60°)	920.1	14.5	B1/1000		
BH	(60°-80°)	288.9	4.5	B1/500		G1/500
BVH	(80°-90°)	27.5	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°	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6
2.5°	2596.4	2571.5	2584.4	2581.7	2568.0	2559.6	2546.7	2525.4	2507.2	2483.2	2460.6
5°	2717.1	2692.2	2704.7	2696.2	2680.7	2654.1	2625.7	2590.2	2552.0	2505.4	2461.5
7.5°	2838.2	2808.9	2820.5	2807.6	2781.4	2748.6	2703.8	2645.2	2588.8	2521.4	2455.3
10°	2953.2	2916.8	2929.6	2911.0	2876.4	2827.6	2769.9	2696.2	2617.2	2529.8	2442.0
12.5°	3051.2	3012.6	3030.8	3005.1	2963.8	2901.2	2830.2	2738.8	2639.0	2530.7	2420.7
15°	3136.9	3101.4	3116.0	3087.6	3039.2	2967.8	2878.2	2771.2	2650.1	2523.2	2391.8
17.5°	3210.5	3175.5	3191.5	3156.4	3101.4	3017.9	2915.0	2789.4	2652.7	2505.4	2355.4
20°	3270.0	3228.3	3244.7	3207.4	3146.6	3053.4	2939.8	2798.3	2643.0	2478.3	2310.6
22.5°	3305.9	3266.0	3281.5	3242.0	3174.1	3073.9	2948.3	2794.3	2623.5	2441.5	2256.5
25°	3325.5	3282.9	3297.5	3254.9	3183.0	3077.4	2941.6	2775.2	2591.9	2396.7	2199.7
26°	3326.4	3282.9	3298.8	3255.4	3182.1	3073.4	2934.5	2764.6	2573.8	2373.2	2172.2
27.5°	3319.7	3276.7	3291.7	3247.8	3173.3	3061.4	2918.5	2744.6	2545.4	2336.8	2127.3
30°	3290.0	3248.7	3262.9	3219.4	3141.3	3027.3	2878.2	2694.9	2488.6	2269.8	2052.8
32.5°	3236.7	3194.1	3208.3	3166.6	3088.5	2968.7	2820.0	2629.2	2418.9	2193.5	1967.1
35°	3160.4	3120.9	3136.9	3091.6	3010.8	2894.1	2743.3	2551.6	2336.8	2107.8	1877.5
37.5°	3059.2	3021.5	3037.0	2993.1	2919.4	2801.4	2649.2	2456.2	2241.8	2012.0	1783.9
40°	2950.1	2907.5	2919.0	2874.2	2805.8	2685.6	2542.2	2352.3	2135.3	1911.2	1680.5
42.5°	2804.5	2771.2	2785.9	2746.4	2672.3	2558.7	2418.9	2233.0	2027.1	1801.2	1579.3
45°	2651.0	2620.3	2635.0	2596.8	2530.7	2427.8	2285.3	2108.3	1905.9	1690.2	1475.9
47.5°	2489.4	2462.4	2468.6	2438.0	2368.7	2273.8	2140.7	1970.7	1778.6	1574.9	1371.6
50°	2320.4	2292.0	2296.4	2272.0	2209.0	2121.1	1991.6	1837.6	1653.4	1463.5	1262.9
52.5°	2134.9	2115.8	2127.3	2095.8	2036.8	1955.6	1840.7	1692.5	1521.6	1342.3	1162.2
55°	1949.8	1939.6	1947.2	1920.6	1869.1	1791.4	1689.4	1552.7	1398.3	1226.5	1060.1
57.5°	1777.7	1757.7	1768.8	1747.9	1699.1	1628.1	1534.5	1407.6	1264.7	1112.0	962.1
60°	1601.5	1591.3	1594.4	1566.9	1531.4	1466.2	1379.2	1269.1	1135.6	1004.2	860.0
62.5°	1423.6	1408.9	1417.8	1396.0	1357.4	1304.2	1232.3	1130.2	1015.3	891.5	769.0
65°	1252.3	1241.2	1243.4	1226.1	1204.8	1149.8	1080.5	994.0	891.5	783.7	674.9
67.5°	1081.0	1087.6	1078.8	1063.2	1040.6	998.0	938.1	860.9	774.8	682.0	583.5
70°	920.3	923.9	920.3	909.7	886.6	858.2	801.0	740.6	661.2	577.8	500.1
72.5°	765.9	775.7	772.1	762.4	741.5	708.7	666.1	615.5	552.0	481.5	417.1
75°	624.4	623.5	631.5	616.4	602.2	571.6	539.6	494.8	445.5	391.8	332.8
77.5°	487.7	489.0	484.1	479.7	467.3	450.0	425.1	384.7	346.6	301.3	256.5
80°	352.8	359.9	359.0	352.3	344.8	329.3	311.1	284.0	250.3	218.3	185.9
82.5°	238.3	249.8	242.3	240.1	234.7	221.4	208.1	188.2	169.5	146.9	121.1
85°	139.3	152.2	146.0	145.1	141.6	130.5	122.0	110.1	94.1	80.3	65.7
87.5°	65.7	81.2	75.9	72.8	69.2	64.3	58.1	51.5	42.2	32.8	23.5
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°	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6	2452.6
2.5°	2448.6	2438.9	2416.7	2393.6	2375.0	2352.8	2342.6	2327.9	2321.7	2316.8	2311.9
5°	2437.1	2416.7	2373.6	2327.9	2291.1	2253.4	2232.1	2205.0	2190.8	2178.8	2185.0
7.5°	2420.7	2386.9	2321.7	2261.4	2202.3	2149.5	2112.7	2082.5	2060.8	2043.0	2044.4
10°	2396.7	2353.2	2268.5	2187.7	2109.6	2046.1	1999.5	1959.2	1924.5	1915.7	1913.9
12.5°	2364.7	2311.9	2205.9	2106.5	2017.7	1943.2	1879.3	1829.1	1795.4	1779.4	1773.2
15°	2325.7	2262.2	2139.3	2024.8	1921.0	1831.4	1761.7	1706.2	1673.4	1647.6	1649.4
17.5°	2279.1	2207.7	2065.2	1937.4	1823.8	1724.4	1644.5	1589.5	1541.1	1520.3	1516.3
20°	2226.3	2146.9	1991.6	1850.0	1722.2	1617.5	1530.5	1467.0	1420.0	1400.9	1399.6
22.5°	2165.9	2080.7	1910.3	1756.4	1624.1	1507.4	1420.0	1349.4	1306.4	1280.7	1278.0
25°	2098.9	2005.3	1823.8	1662.7	1522.1	1404.9	1312.6	1241.6	1194.6	1174.2	1171.1
26°	2068.8	1975.6	1790.1	1628.1	1484.3	1361.4	1270.0	1199.9	1153.3	1132.0	1128.0
27.5°	2025.3	1923.7	1736.4	1569.5	1422.7	1306.8	1210.1	1142.2	1088.5	1065.9	1062.3
30°	1942.3	1841.6	1645.0	1474.6	1328.1	1208.3	1112.5	1042.4	997.1	972.7	972.3
32.5°	1854.9	1749.7	1554.9	1379.6	1232.7	1111.6	1021.1	953.2	907.9	884.0	880.4
35°	1765.7	1657.9	1464.4	1289.1	1144.9	1026.4	935.9	870.2	827.6	803.2	803.6
37.5°	1667.2	1562.9	1367.6	1197.7	1058.8	947.0	858.2	794.3	755.7	733.1	731.7
40°	1567.8	1466.6	1276.2	1113.4	976.7	868.4	785.0	726.4	689.1	668.3	665.6
42.5°	1471.5	1368.5	1183.9	1027.7	899.5	797.0	717.5	666.1	628.8	612.8	609.7
45°	1372.1	1275.8	1093.4	947.4	823.6	731.7	658.5	609.3	575.5	560.0	558.2
47.5°	1268.2	1176.8	1013.5	872.0	757.9	669.6	603.5	559.1	529.0	513.4	510.8
50°	1170.6	1086.7	927.0	799.6	693.6	614.6	555.6	513.4	484.6	471.3	469.0
52.5°	1076.1	992.7	848.0	731.3	634.6	561.3	508.1	469.0	444.6	432.7	432.7
55°	980.2	903.9	772.1	665.6	579.1	511.2	465.5	430.0	407.8	397.2	394.9
57.5°	886.2	817.8	699.4	602.2	525.8	465.9	423.3	393.6	374.1	363.0	361.7
60°	794.8	735.7	627.9	540.9	474.4	422.5	384.3	357.2	339.5	331.0	331.0
62.5°	709.6	653.6	559.1	485.5	423.8	380.3	346.1	322.2	307.1	300.9	298.6
65°	621.7	574.7	495.7	426.9	376.3	338.1	309.7	289.3	276.0	269.8	267.6
67.5°	540.5	501.0	431.3	373.2	330.2	296.9	272.5	256.0	243.6	237.9	238.7
70°	458.8	426.9	367.0	321.7	285.8	255.6	237.0	222.8	213.9	207.2	209.0
72.5°	383.8	353.7	307.1	267.6	238.3	217.4	201.0	189.0	181.5	177.5	178.8
75°	307.1	285.3	249.4	218.3	195.7	179.7	164.6	156.2	150.4	148.2	147.3
77.5°	238.7	220.1	193.9	170.8	154.0	141.6	130.9	125.6	119.8	118.5	118.5
80°	170.8	159.3	138.9	125.1	112.3	104.3	99.0	94.1	92.3	91.0	90.5
82.5°	112.7	103.0	92.3	83.4	76.8	71.9	67.9	67.0	64.8	64.3	64.8
85°	59.0	55.5	50.1	46.2	45.7	43.5	43.0	43.5	43.0	42.6	42.6
87.5°	21.3	19.5	19.5	20.0	21.3	22.6	23.1	24.9	25.7	26.6	27.1
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: P231793
 CATALOG NUMBER: AXCL6A-C-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)