

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: P1555002

Luminaire Tested: **AXCL8A-GRF**

Issue Date: 9/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1555002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1709-271-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL8A-GRF
Description: Axcent Wall Mount Luminaire , Full Cutoff, 4000K LEDs
Light Source: -
Ballast/Driver: -

Summary

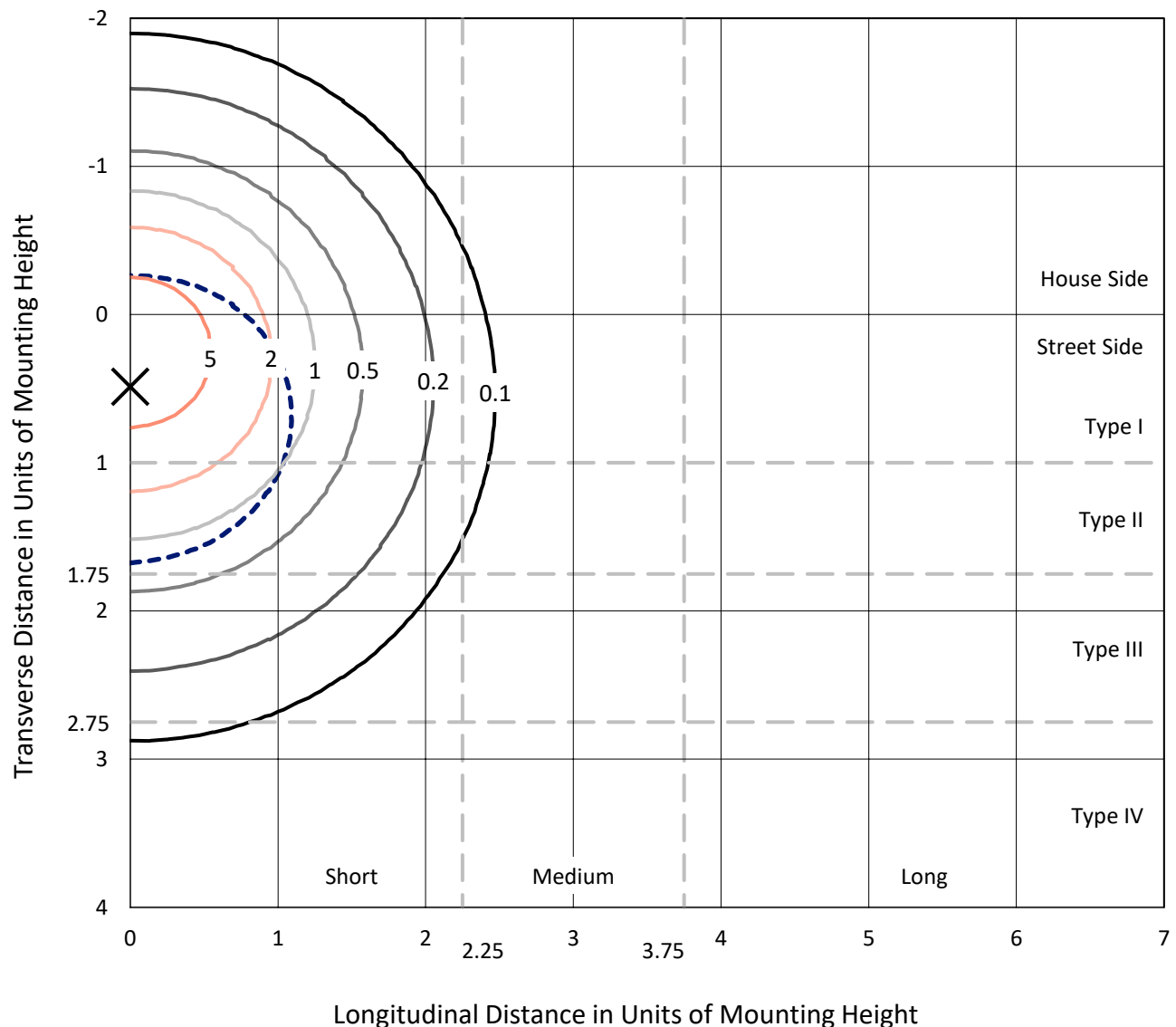
Lumens per Lamp: N/A
Luminaire Lumens: 8279 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.29' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U2 - G1

Input Watts (W): 65.3
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

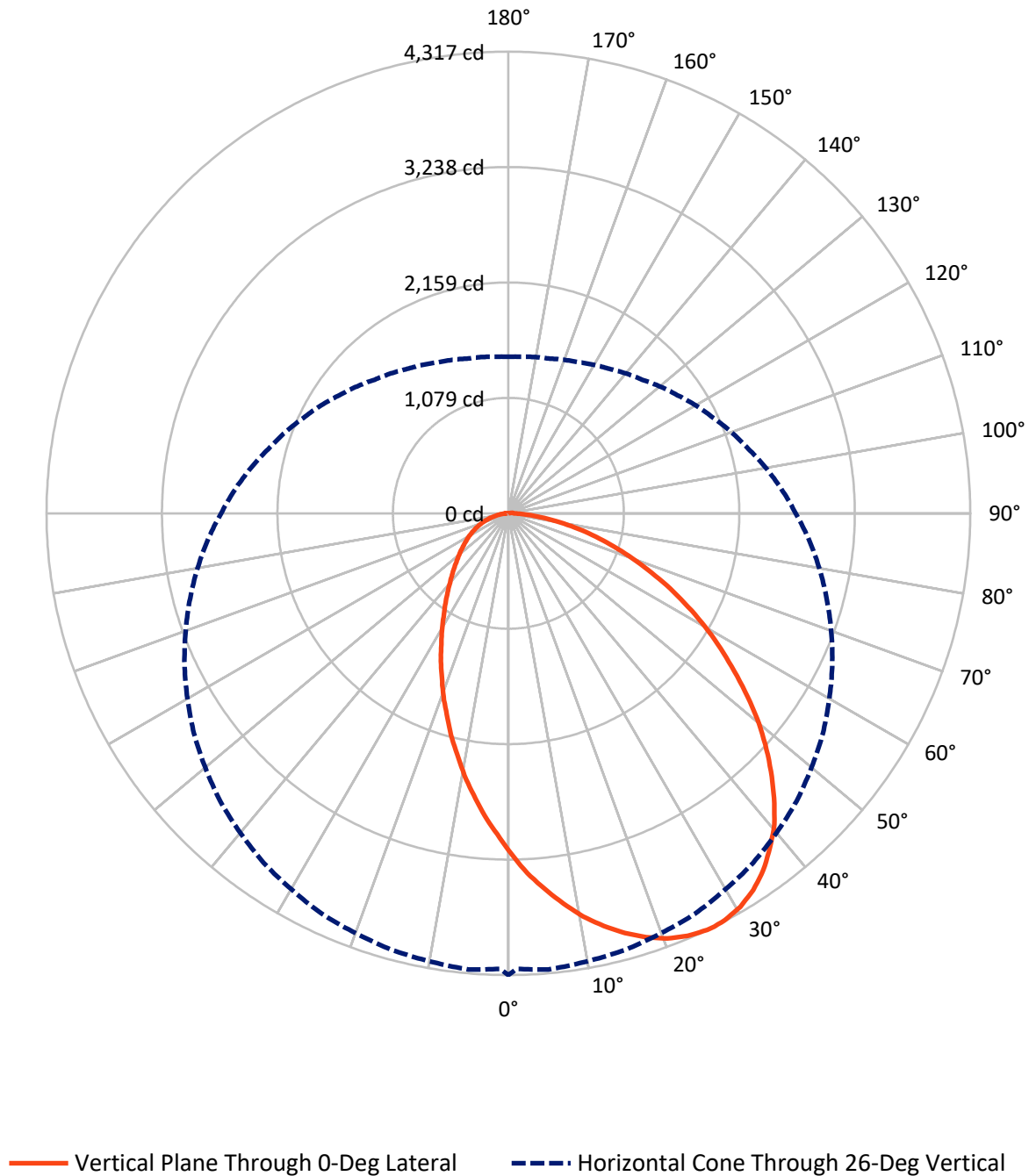
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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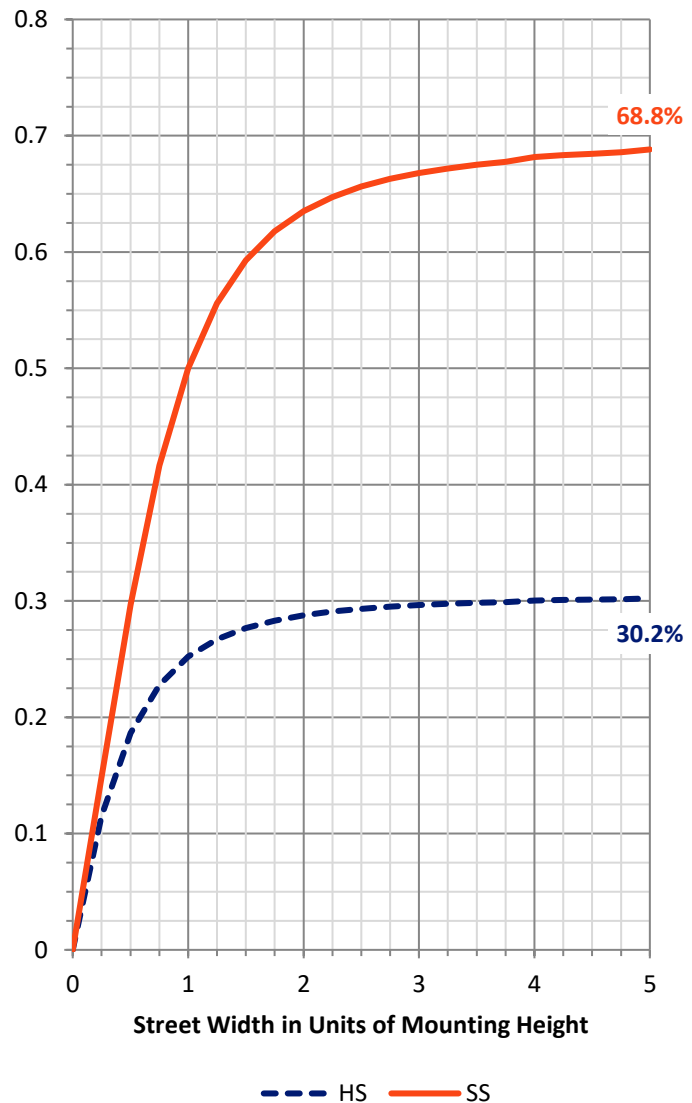
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2529.5	4.4	2533.9
	% Fixture	30.6	0.1	30.6
Street Side	Lumens	5730.3	14.8	5745.1
	% Fixture	69.2	0.2	69.4
Total	Lumens	8259.9	19.1	8279.0
	% Fixture	99.8	0.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	3.6
10°-20°	862.2	10.4
20°-30°	1296.1	15.7
30°-40°	1520.4	18.4
40°-50°	1496.4	18.1
50°-60°	1263.5	15.3
60°-70°	901.7	10.9
70°-80°	488.8	5.9
80°-90°	129.6	1.6
90°-100°	19.1	0.2
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°	8259.9	99.8
0°-180°	8279.0	100.0



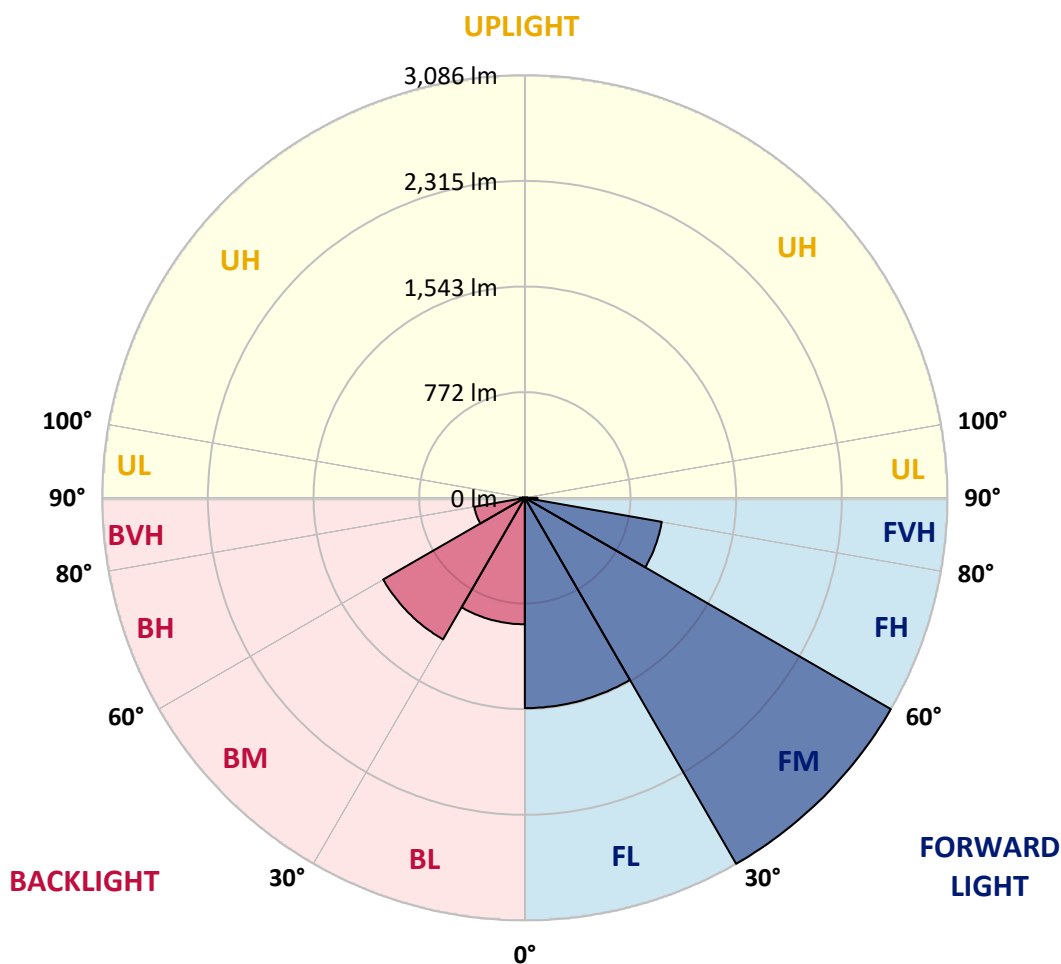
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1535.9	18.6			
FM	(30°-60°)	3086.1	37.3			
FH	(60°-80°)	1015.5	12.3			G1/1800
FVH	(80°-90°)	92.8	1.1			G1/100
BL	(0°-30°)	923.6	11.2	B2/1000		
BM	(30°-60°)	1194.2	14.4	B2/2500		
BH	(60°-80°)	374.9	4.5	B1/500		G1/500
BVH	(80°-90°)	36.8	0.4			G1/100
UL	(90°-100°)	19.1	0.2		U2/50	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3
2.5°	3369.9	3337.7	3354.4	3350.9	3333.1	3322.1	3305.4	3277.8	3254.1	3223.0	3193.7
5°	3526.6	3494.3	3510.4	3499.5	3479.3	3444.8	3407.9	3361.9	3312.3	3251.8	3194.8
7.5°	3683.8	3645.8	3660.8	3644.1	3610.1	3567.5	3509.3	3433.3	3360.1	3272.6	3186.8
10°	3833.0	3785.8	3802.5	3778.3	3733.3	3670.0	3595.1	3499.5	3397.0	3283.5	3169.5
12.5°	3960.3	3910.2	3933.8	3900.4	3846.8	3765.6	3673.4	3554.8	3425.2	3284.7	3141.8
15°	4071.4	4025.4	4044.4	4007.5	3944.7	3852.0	3735.6	3596.8	3439.6	3274.9	3104.4
17.5°	4167.0	4121.5	4142.3	4096.8	4025.4	3917.1	3783.5	3620.5	3443.1	3251.8	3057.2
20°	4244.2	4190.1	4211.4	4163.0	4084.1	3963.1	3815.7	3632.0	3430.4	3216.7	2999.0
22.5°	4290.9	4239.0	4259.2	4207.9	4119.8	3989.6	3826.6	3626.8	3405.0	3168.9	2928.7
25°	4316.2	4260.9	4279.9	4224.6	4131.3	3994.3	3818.0	3602.0	3364.2	3110.7	2855.0
26°	4317.4	4260.9	4281.7	4225.2	4130.2	3989.1	3808.8	3588.2	3340.5	3080.2	2819.3
27.5°	4308.7	4252.9	4272.4	4215.4	4118.7	3973.5	3788.1	3562.3	3303.7	3033.0	2761.1
30°	4270.1	4216.6	4235.0	4178.6	4077.2	3929.2	3735.6	3497.8	3230.0	2946.0	2664.4
32.5°	4201.0	4145.7	4164.2	4110.0	4008.6	3853.1	3660.2	3412.5	3139.5	2846.9	2553.2
35°	4102.0	4050.7	4071.4	4012.7	3907.9	3756.4	3560.6	3311.7	3033.0	2735.8	2436.9
37.5°	3970.6	3921.7	3941.8	3884.8	3789.2	3636.0	3438.5	3187.9	2909.7	2611.4	2315.3
40°	3829.0	3773.7	3788.6	3730.5	3641.8	3485.7	3299.6	3053.1	2771.5	2480.6	2181.1
42.5°	3640.0	3596.8	3615.8	3564.6	3468.4	3321.0	3139.5	2898.2	2631.0	2337.8	2049.8
45°	3440.8	3401.0	3420.0	3370.5	3284.7	3151.1	2966.2	2736.4	2473.7	2193.8	1915.6
47.5°	3231.1	3196.0	3204.0	3164.3	3074.4	2951.2	2778.4	2557.8	2308.4	2044.1	1780.3
50°	3011.7	2974.8	2980.6	2948.9	2867.1	2753.1	2584.9	2385.0	2146.0	1899.5	1639.2
52.5°	2770.9	2746.2	2761.1	2720.2	2643.6	2538.2	2389.1	2196.7	1975.0	1742.3	1508.4
55°	2530.7	2517.5	2527.3	2492.7	2425.9	2325.1	2192.7	2015.3	1814.8	1591.9	1376.0
57.5°	2307.3	2281.4	2295.8	2268.7	2205.3	2113.2	1991.7	1826.9	1641.5	1443.3	1248.7
60°	2078.6	2065.4	2069.4	2033.7	1987.6	1903.0	1790.1	1647.2	1473.9	1303.4	1116.2
62.5°	1847.7	1828.7	1840.2	1812.0	1761.8	1692.7	1599.4	1467.0	1317.8	1157.1	998.1
65°	1625.3	1610.9	1613.8	1591.4	1563.7	1492.3	1402.5	1290.1	1157.1	1017.1	876.0
67.5°	1403.0	1411.7	1400.1	1380.0	1350.6	1295.3	1217.6	1117.4	1005.6	885.2	757.4
70°	1194.5	1199.1	1194.5	1180.7	1150.8	1113.9	1039.6	961.3	858.2	749.9	649.1
72.5°	994.1	1006.8	1002.2	989.5	962.4	919.8	864.5	798.9	716.5	624.9	541.4
75°	810.4	809.2	819.6	800.0	781.6	741.8	700.4	642.2	578.3	508.6	432.0
77.5°	633.0	634.7	628.4	622.6	606.5	584.0	551.8	499.4	449.8	391.1	332.9
80°	457.9	467.1	465.9	457.3	447.5	427.4	403.7	368.6	324.8	283.4	241.3
82.5°	309.3	324.3	314.5	311.6	304.7	287.4	270.1	244.2	220.0	190.6	157.2
85°	180.8	197.6	189.5	188.3	183.7	169.3	158.4	142.8	122.1	104.2	85.2
87.5°	85.2	105.4	98.5	94.5	89.8	83.5	75.5	66.8	54.7	42.6	30.5
90°	44.9	65.1	55.9	53.6	50.1	44.9	37.4	29.4	20.7	12.7	5.2
92.5°	42.6	62.8	53.0	51.3	47.2	41.5	34.0	25.9	17.3	9.2	2.9
95°	41.5	61.1	51.8	50.1	46.1	39.7	32.8	24.8	16.1	8.6	2.3
97.5°	39.7	58.7	50.1	47.8	44.3	38.6	31.1	23.0	15.0	6.9	2.3
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°	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3	3183.3
2.5°	3178.1	3165.5	3136.7	3106.7	3082.5	3053.7	3040.5	3021.5	3013.4	3007.1	3000.7
5°	3163.1	3136.7	3080.8	3021.5	2973.7	2924.7	2897.1	2861.9	2843.5	2827.9	2836.0
7.5°	3141.8	3098.1	3013.4	2935.1	2858.5	2789.9	2742.1	2703.0	2674.7	2651.7	2653.4
10°	3110.7	3054.3	2944.3	2839.5	2738.1	2655.7	2595.3	2542.8	2497.9	2486.4	2484.1
12.5°	3069.3	3000.7	2863.1	2734.1	2618.9	2522.1	2439.2	2374.1	2330.3	2309.6	2301.5
15°	3018.6	2936.2	2776.7	2628.1	2493.3	2377.0	2286.5	2214.5	2171.9	2138.5	2140.8
17.5°	2958.1	2865.4	2680.5	2514.6	2367.2	2238.2	2134.5	2063.1	2000.3	1973.2	1968.0
20°	2889.6	2786.5	2584.9	2401.2	2235.3	2099.4	1986.5	1904.1	1843.1	1818.3	1816.6
22.5°	2811.2	2700.7	2479.5	2279.6	2108.0	1956.5	1843.1	1751.5	1695.6	1662.2	1658.8
25°	2724.3	2602.7	2367.2	2158.1	1975.5	1823.5	1703.7	1611.5	1550.5	1524.0	1519.9
26°	2685.1	2564.2	2323.4	2113.2	1926.6	1767.0	1648.4	1557.4	1496.9	1469.3	1464.1
27.5°	2628.7	2496.8	2253.7	2037.2	1846.5	1696.2	1570.6	1482.5	1412.8	1383.4	1378.8
30°	2521.0	2390.2	2135.1	1913.9	1723.8	1568.3	1443.9	1352.9	1294.2	1262.5	1261.9
32.5°	2407.5	2271.0	2018.1	1790.6	1600.0	1442.8	1325.3	1237.2	1178.4	1147.3	1142.7
35°	2291.7	2151.8	1900.7	1673.2	1486.0	1332.2	1214.7	1129.4	1074.2	1042.5	1043.1
37.5°	2163.9	2028.5	1775.1	1554.5	1374.2	1229.1	1113.9	1031.0	980.9	951.5	949.8
40°	2034.9	1903.5	1656.4	1445.1	1267.7	1127.1	1018.9	942.8	894.5	867.4	863.9
42.5°	1909.9	1776.2	1536.6	1333.9	1167.5	1034.4	931.3	864.5	816.1	795.4	791.4
45°	1780.9	1655.9	1419.2	1229.7	1069.0	949.8	854.7	790.8	747.0	726.9	724.6
47.5°	1646.1	1527.4	1315.5	1131.8	983.7	869.1	783.3	725.7	686.5	666.4	662.9
50°	1519.4	1410.5	1203.2	1037.9	900.2	797.7	721.1	666.4	628.9	611.7	608.8
52.5°	1396.7	1288.4	1100.7	949.2	823.6	728.6	659.5	608.8	577.1	561.6	561.6
55°	1272.3	1173.2	1002.2	863.9	751.6	663.5	604.2	558.1	529.3	515.5	512.6
57.5°	1150.2	1061.5	907.7	781.6	682.5	604.8	549.5	510.9	485.5	471.1	469.4
60°	1031.5	954.9	815.0	702.1	615.7	548.3	498.8	463.6	440.6	429.7	429.7
62.5°	921.0	848.4	725.7	630.1	550.0	493.6	449.2	418.1	398.6	390.5	387.6
65°	806.9	745.9	643.3	554.1	488.4	438.9	402.0	375.5	358.2	350.2	347.3
67.5°	701.5	650.3	559.8	484.4	428.5	385.3	353.6	332.3	316.2	308.7	309.9
70°	595.5	554.1	476.3	417.6	370.9	331.8	307.6	289.1	277.6	269.0	271.3
72.5°	498.2	459.0	398.6	347.3	309.3	282.2	260.9	245.4	235.6	230.4	232.1
75°	398.6	370.3	323.7	283.4	254.0	233.3	213.7	202.7	195.2	192.4	191.2
77.5°	309.9	285.7	251.7	221.7	199.9	183.7	169.9	163.0	155.5	153.8	153.8
80°	221.7	206.8	180.3	162.4	145.7	135.3	128.4	122.1	119.8	118.1	117.5
82.5°	146.3	133.6	119.8	108.3	99.6	93.3	88.1	87.0	84.1	83.5	84.1
85°	76.6	72.0	65.1	59.9	59.3	56.4	55.9	56.4	55.9	55.3	55.3
87.5°	27.6	25.3	25.3	25.9	27.6	29.4	29.9	32.3	33.4	34.6	35.1
90°	4.0	4.6	6.3	9.2	13.2	16.7	20.2	22.5	24.2	25.3	25.9
92.5°	2.3	2.3	2.9	4.6	8.6	13.2	16.7	19.6	21.9	23.0	23.0
95°	2.3	2.3	2.3	2.3	2.9	5.2	8.1	11.5	14.4	16.7	16.7
97.5°	2.3	2.3	2.3	1.7	1.7	1.7	2.3	5.2	8.6	10.9	11.5
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: P1555002
 CATALOG NUMBER: AXCL8A-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)