

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: P1554987

Luminaire Tested: **AXCL12A**

Issue Date: 9/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1554987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29584)
Test Lab: INNOVATION CENTER
Issue Date: 9/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL12A
Description: Axcent Wall Mount Luminaire , Full Cutoff, 4000K LEDs
Light Source: -
Ballast/Driver: -

Summary

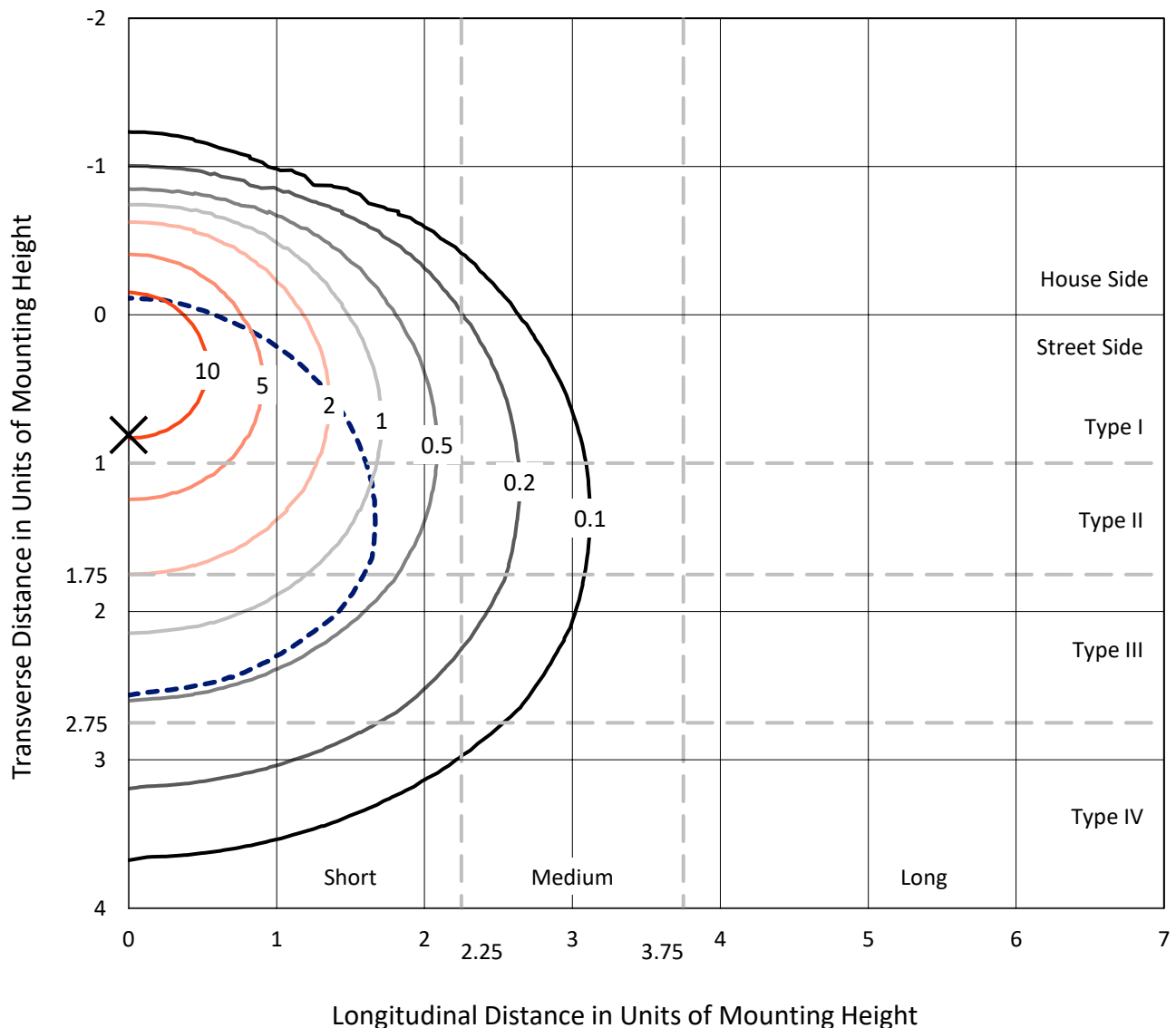
Lumens per Lamp: N/A
Luminaire Lumens: 16302 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.29' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 115.3
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

REPORT NUMBER: P1554987
CATALOG NUMBER: AXCL12A

Iso-Footcandle Lines of Horizontal Illumination

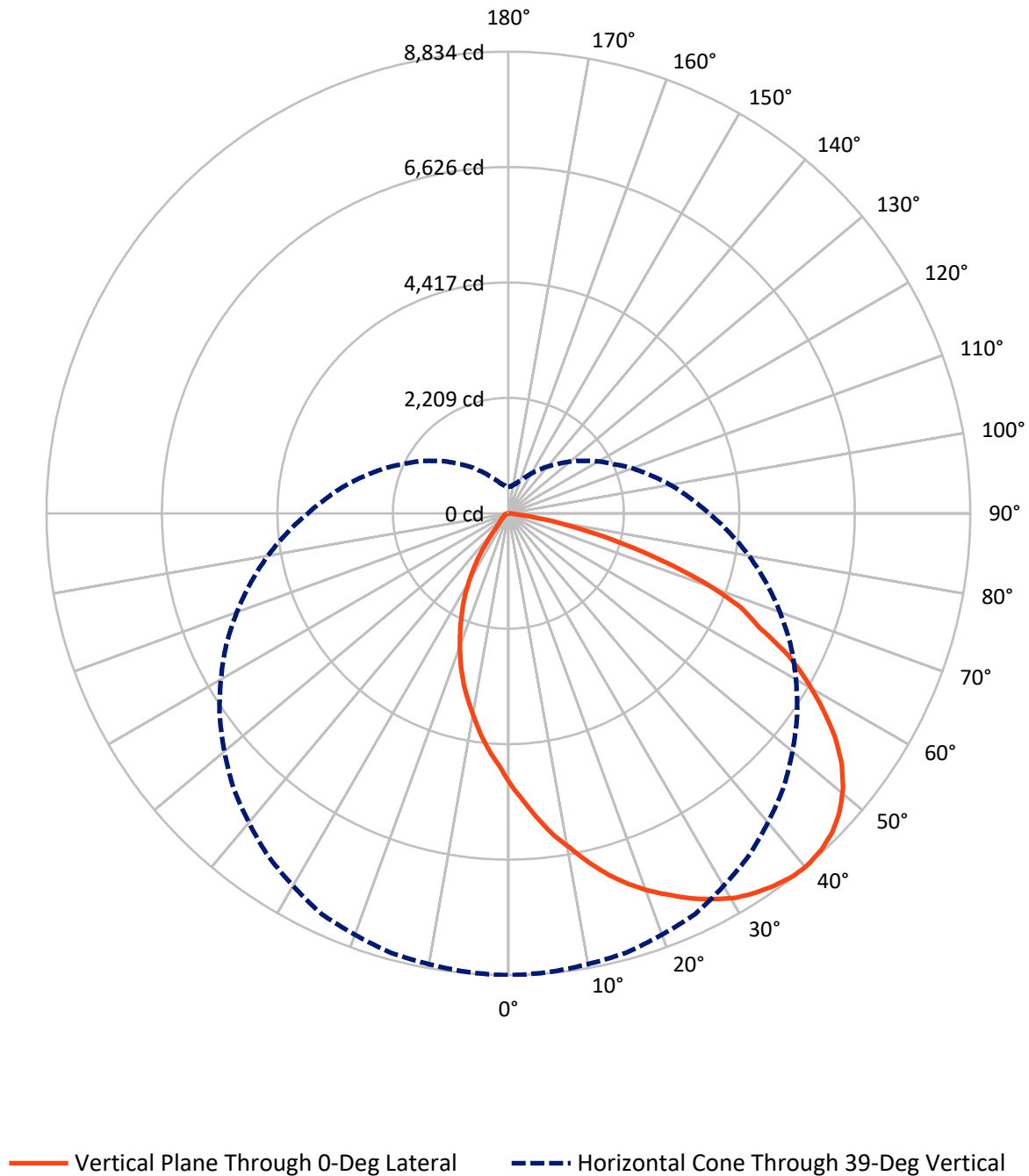
× Max cd
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.1 fc
Type III - Short - N/A

REPORT NUMBER: P1554987
CATALOG NUMBER: AXCL12A

Luminous Intensity Polar Plot



REPORT NUMBER: P1554987
 CATALOG NUMBER: AXCL12A

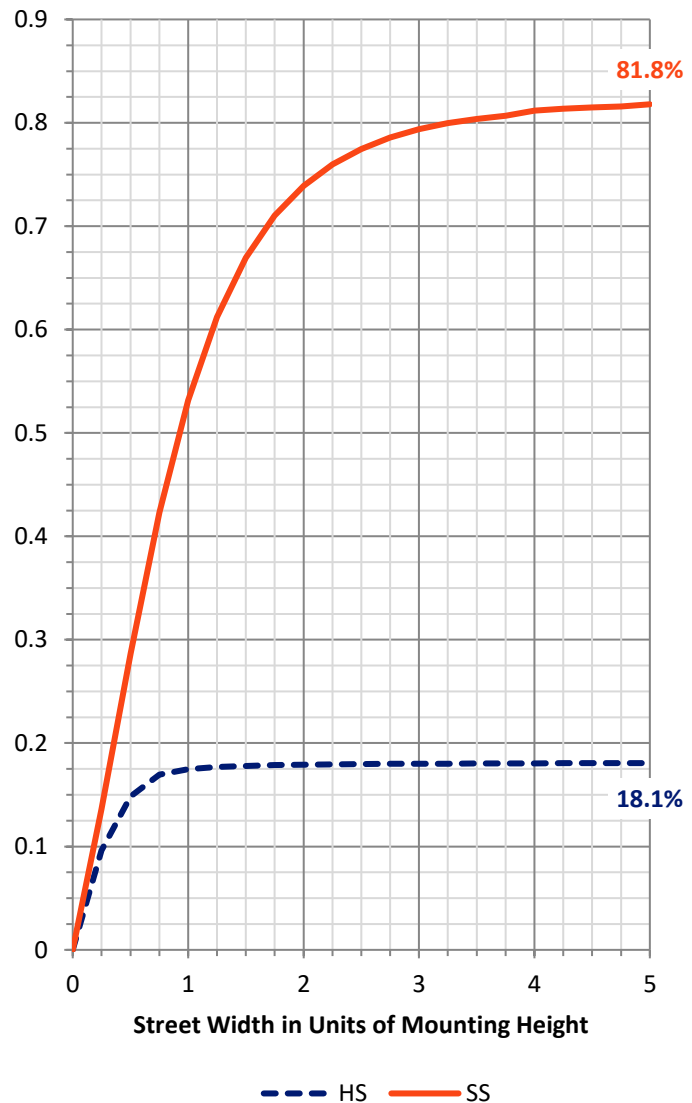
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2973.5	0.0	2973.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	13328.5	0.0	13328.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	16302.0	0.0	16302.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.8	3.0
10°-20°	1465.2	9.0
20°-30°	2286.3	14.0
30°-40°	2843.4	17.4
40°-50°	3060.2	18.8
50°-60°	2875.3	17.6
60°-70°	2178.0	13.4
70°-80°	1008.3	6.2
80°-90°	88.5	0.5
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°	16302.0	100.0
0°-180°	16302.0	100.0



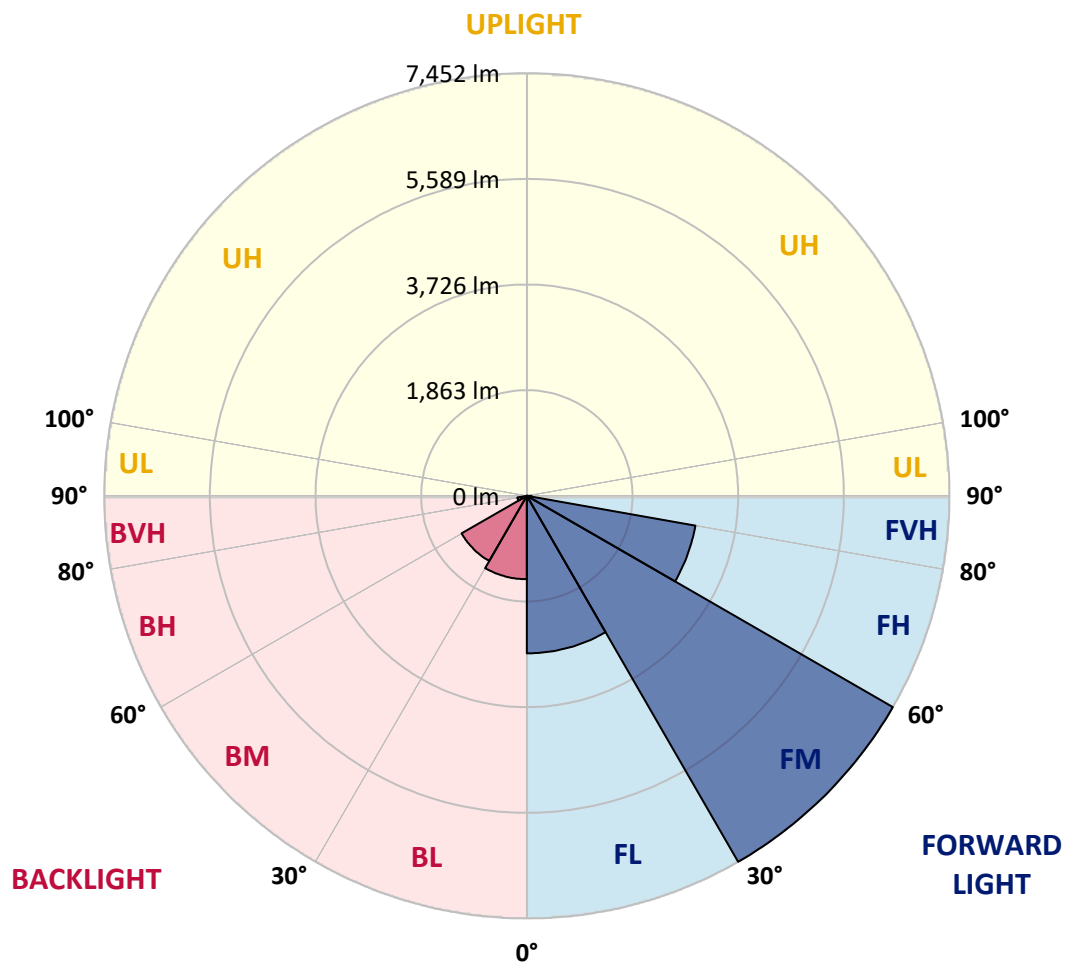
REPORT NUMBER: P1554987
 CATALOG NUMBER: AXCL12A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2777.5	17.0			
FM	(30°-60°)	7451.6	45.7			
FH	(60°-80°)	3018.0	18.5			G2/5000
FVH	(80°-90°)	81.5	0.5			G1/100
BL	(0°-30°)	1470.8	9.0	B3/2500		
BM	(30°-60°)	1327.3	8.1	B2/2500		
BH	(60°-80°)	168.4	1.0	B1/500		G1/500
BVH	(80°-90°)	7.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P1554987

CATALOG NUMBER: AXCL12A

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0
2.5°	5509.7	5487.9	5499.3	5479.6	5477.5	5454.7	5413.2	5382.1	5342.6	5280.4	5215.0
5°	5866.6	5842.8	5853.2	5818.9	5798.2	5746.3	5662.2	5585.4	5496.2	5375.9	5256.5
7.5°	6216.3	6198.7	6201.8	6159.2	6115.7	6028.5	5905.0	5777.4	5632.1	5458.9	5278.3
10°	6519.3	6511.0	6523.4	6453.9	6392.7	6275.5	6116.7	5936.2	5734.9	5501.4	5269.0
12.5°	6855.5	6831.6	6843.0	6766.2	6685.3	6531.7	6330.5	6100.1	5840.7	5548.1	5254.5
15°	7178.2	7182.3	7176.1	7095.2	6992.4	6802.6	6557.7	6270.3	5950.7	5591.7	5236.8
17.5°	7460.4	7476.0	7471.8	7387.8	7247.7	7038.1	6755.9	6411.4	6028.5	5606.2	5184.9
20°	7713.6	7725.0	7717.7	7627.5	7467.7	7229.0	6909.4	6514.1	6067.9	5580.3	5103.0
22.5°	7936.7	7943.9	7937.7	7838.1	7659.6	7394.0	7039.1	6590.9	6086.6	5546.0	5020.0
25°	8167.0	8164.9	8159.8	8051.8	7856.8	7560.0	7163.7	6663.5	6112.6	5520.1	4942.1
27.5°	8360.0	8376.6	8363.1	8261.4	8048.7	7716.7	7273.6	6727.9	6133.3	5487.9	4855.0
30°	8540.6	8534.3	8524.0	8416.0	8191.9	7831.9	7345.2	6760.0	6125.0	5431.9	4751.2
32.5°	8657.8	8657.8	8633.9	8530.2	8298.8	7910.7	7386.7	6773.5	6096.0	5354.1	4622.5
35°	8753.3	8750.2	8727.3	8623.6	8386.0	7977.1	7421.0	6775.6	6057.6	5267.9	4485.6
37.5°	8818.6	8816.6	8794.8	8686.9	8439.9	8006.2	7436.5	6760.0	6000.5	5164.2	4337.2
39°	8834.2	8834.2	8813.5	8703.5	8457.6	8008.3	7436.5	6742.4	5954.8	5096.7	4242.8
40°	8832.1	8832.1	8811.4	8704.5	8456.5	7998.9	7426.2	6720.6	5919.6	5045.9	4177.4
42.5°	8788.5	8790.6	8769.9	8668.2	8422.3	7954.3	7368.1	6645.9	5811.6	4904.8	4002.1
45°	8691.0	8691.0	8672.3	8576.9	8324.7	7856.8	7267.4	6523.4	5673.6	4735.6	3812.2
47.5°	8525.0	8529.1	8508.4	8420.2	8164.9	7720.8	7133.6	6373.0	5504.5	4548.9	3596.4
50°	8293.6	8299.8	8279.1	8193.0	7960.5	7532.0	6949.9	6184.1	5293.9	4341.4	3363.9
52.5°	7981.3	7983.4	7974.0	7900.4	7690.8	7281.9	6714.4	5952.8	5061.5	4094.4	3115.9
55°	7588.0	7596.3	7583.9	7514.4	7340.0	6970.7	6428.0	5675.7	4787.5	3835.0	2845.1
57.5°	7099.3	7108.7	7100.4	7045.4	6909.4	6593.0	6084.5	5354.1	4512.6	3537.2	2560.8
60°	6586.7	6599.2	6589.9	6539.0	6408.3	6156.1	5692.3	4989.9	4160.8	3218.7	2268.2
62.5°	6022.3	6032.7	6024.4	6011.9	5888.4	5669.5	5270.0	4591.4	3800.8	2889.7	1970.4
65°	5278.3	5292.8	5263.8	5317.7	5296.0	5079.1	4768.9	4163.9	3391.9	2513.1	1678.9
67.5°	4786.5	4790.6	4747.1	4698.3	4545.8	4506.3	4238.6	3703.2	2971.7	2157.2	1386.2
70°	3982.3	3904.5	3914.9	3980.3	4037.3	3817.4	3667.9	3201.0	2530.7	1784.7	1106.1
72.5°	3022.6	2957.2	2973.8	3012.2	3110.8	3211.4	2984.2	2694.7	2082.5	1440.2	828.0
75°	2128.1	2061.7	2081.4	2113.6	2189.4	2281.7	2339.8	2091.8	1607.3	1087.4	602.9
77.5°	1327.1	1307.4	1284.6	1305.3	1363.4	1445.4	1515.9	1503.5	1150.7	759.5	394.3
80°	630.9	613.2	601.8	618.4	655.8	753.3	814.5	814.5	707.6	464.8	224.1
82.5°	116.2	113.1	112.1	126.6	143.2	225.2	296.8	331.0	320.6	214.8	92.3
85°	54.0	50.8	51.9	52.9	54.0	60.2	63.3	75.7	89.2	59.1	30.1
87.5°	18.7	19.7	19.7	21.8	20.8	22.8	23.9	25.9	23.9	18.7	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1554987

CATALOG NUMBER: AXCL12A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0	5187.0
2.5°	5181.8	5152.8	5097.8	5039.7	4987.8	4930.7	4894.4	4874.7	4850.8	4855.0	4841.5
5°	5197.4	5137.2	5030.3	4923.5	4829.0	4733.6	4667.2	4621.5	4583.1	4580.0	4567.6
7.5°	5190.1	5099.8	4941.1	4787.5	4650.6	4514.6	4418.1	4352.8	4295.7	4285.3	4273.9
10°	5153.8	5039.7	4831.1	4625.7	4452.4	4280.1	4156.7	4068.5	3995.8	3978.2	3961.6
12.5°	5111.3	4974.3	4714.9	4467.9	4261.5	4070.5	3912.8	3800.8	3717.8	3677.3	3673.1
15°	5065.6	4900.6	4590.4	4310.2	4061.2	3852.6	3674.2	3543.4	3444.9	3398.2	3390.9
17.5°	4987.8	4794.8	4442.0	4121.4	3841.2	3610.9	3411.7	3265.4	3153.3	3101.4	3090.0
20°	4876.8	4663.0	4267.7	3908.7	3599.5	3343.2	3130.5	2972.7	2850.3	2787.0	2772.5
22.5°	4765.7	4529.2	4094.4	3700.1	3360.8	3079.6	2846.2	2677.0	2545.3	2475.7	2462.2
25°	4664.1	4409.8	3927.4	3500.9	3130.5	2822.3	2567.0	2370.9	2246.4	2170.7	2155.1
27.5°	4552.0	4274.9	3753.0	3294.4	2897.0	2562.9	2286.9	2077.3	1943.4	1861.5	1875.0
30°	4418.1	4118.3	3561.1	3059.9	2645.9	2293.1	1999.5	1780.5	1641.5	1552.3	1565.8
32.5°	4265.6	3947.1	3355.6	2829.6	2400.0	2018.1	1722.4	1489.0	1345.8	1263.8	1261.7
35°	4106.9	3768.6	3138.8	2600.2	2147.9	1746.3	1437.1	1206.7	1036.6	965.0	959.8
37.5°	3937.7	3581.8	2940.6	2367.8	1899.9	1484.8	1170.4	918.3	760.6	673.4	667.2
39°	3834.0	3470.8	2810.9	2224.6	1749.4	1329.2	1009.6	754.3	593.5	513.6	509.5
40°	3760.3	3394.0	2721.6	2130.2	1649.8	1228.5	901.7	645.4	493.9	419.2	414.0
42.5°	3577.7	3190.6	2498.6	1891.6	1401.8	981.6	644.4	410.9	315.4	288.5	286.4
45°	3361.9	2967.6	2255.8	1660.2	1160.0	735.7	417.1	282.2	244.9	231.4	229.3
47.5°	3138.8	2736.2	2014.0	1427.7	931.8	509.5	277.0	225.2	202.3	194.0	193.0
50°	2900.1	2494.4	1795.1	1200.5	708.7	322.7	217.9	185.7	172.2	167.1	166.0
52.5°	2661.5	2246.4	1553.3	970.2	497.0	229.3	180.5	158.8	150.5	147.3	146.3
55°	2384.4	1996.4	1317.8	766.8	318.5	184.7	151.5	138.0	132.8	127.6	127.6
57.5°	2130.2	1743.2	1098.8	566.5	211.7	151.5	129.7	120.4	114.1	110.0	108.9
60°	1858.4	1491.0	884.0	385.0	165.0	126.6	113.1	105.8	99.6	95.5	94.4
62.5°	1585.5	1241.0	683.8	231.4	131.8	106.9	99.6	92.3	87.2	83.0	83.0
65°	1319.8	1005.4	499.1	152.5	106.9	91.3	85.1	79.9	75.7	72.6	72.6
67.5°	1061.5	775.1	338.3	116.2	86.1	77.8	73.7	69.5	65.4	63.3	63.3
70°	818.7	576.9	203.4	87.2	70.6	65.4	63.3	59.1	57.1	54.0	54.0
72.5°	598.7	400.5	111.0	67.4	57.1	54.0	52.9	49.8	47.7	45.7	45.7
75°	420.2	254.2	69.5	51.9	44.6	43.6	43.6	41.5	39.4	37.4	37.4
77.5°	260.4	141.1	47.7	37.4	34.2	34.2	34.2	32.2	30.1	29.1	28.0
80°	139.0	67.4	32.2	27.0	24.9	24.9	24.9	23.9	21.8	20.8	19.7
82.5°	58.1	31.1	20.8	17.6	15.6	16.6	16.6	14.5	12.5	10.4	10.4
85°	21.8	17.6	14.5	12.5	11.4	10.4	9.3	7.3	5.2	4.2	4.2
87.5°	13.5	12.5	11.4	10.4	9.3	7.3	6.2	4.2	2.1	1.0	0.0
90°	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)