

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: P1555004

Luminaire Tested: **AXCL8A-W**

Issue Date: 9/1/2026



Test Information

Test Method: LM-79-08
Report Number: P1555004
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: AXCL8A-W
Description: Axcent Wall Mount Luminaire , Full Cutoff, 3000K LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8319 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.29' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

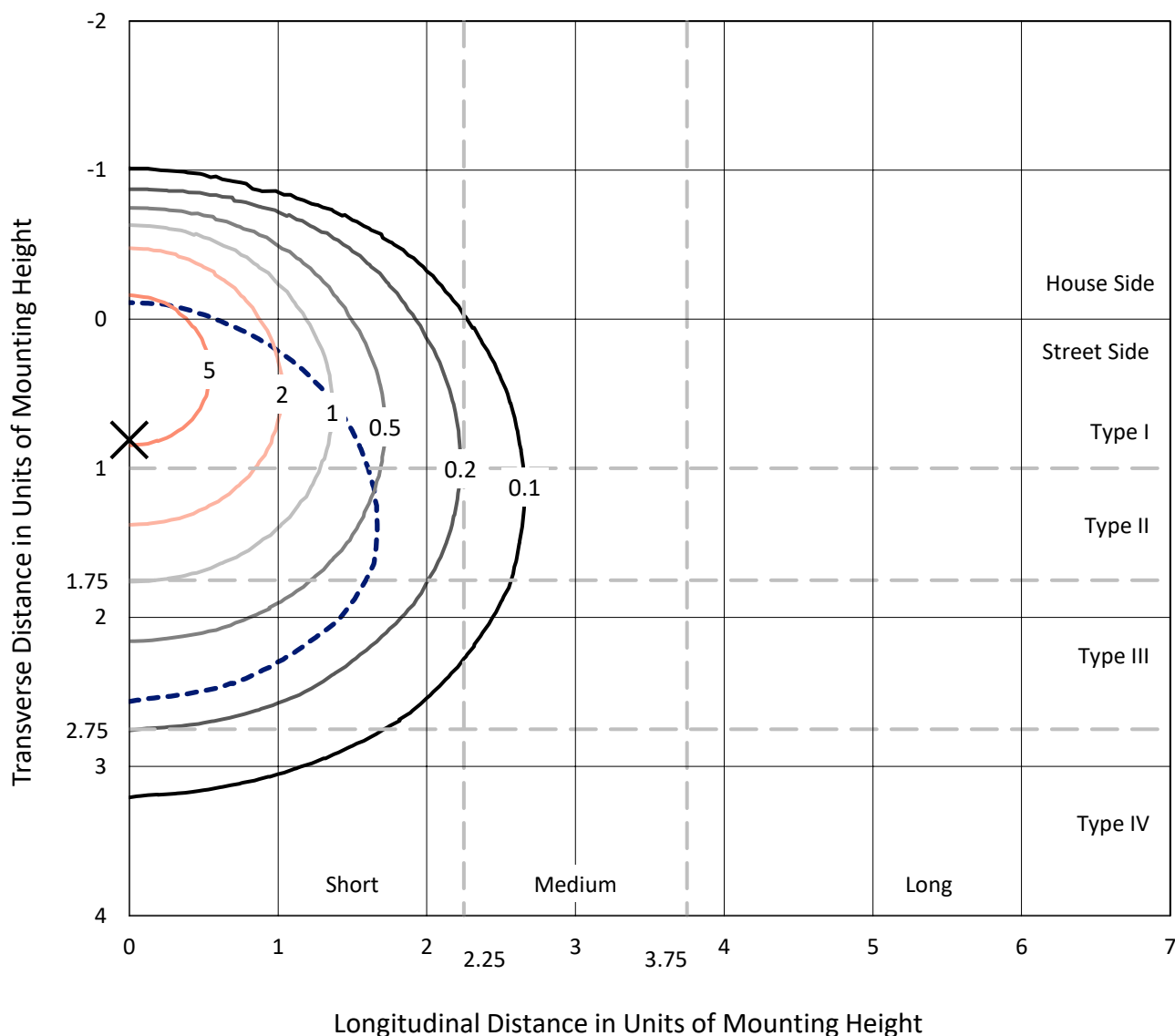
Input Watts (W): 65.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

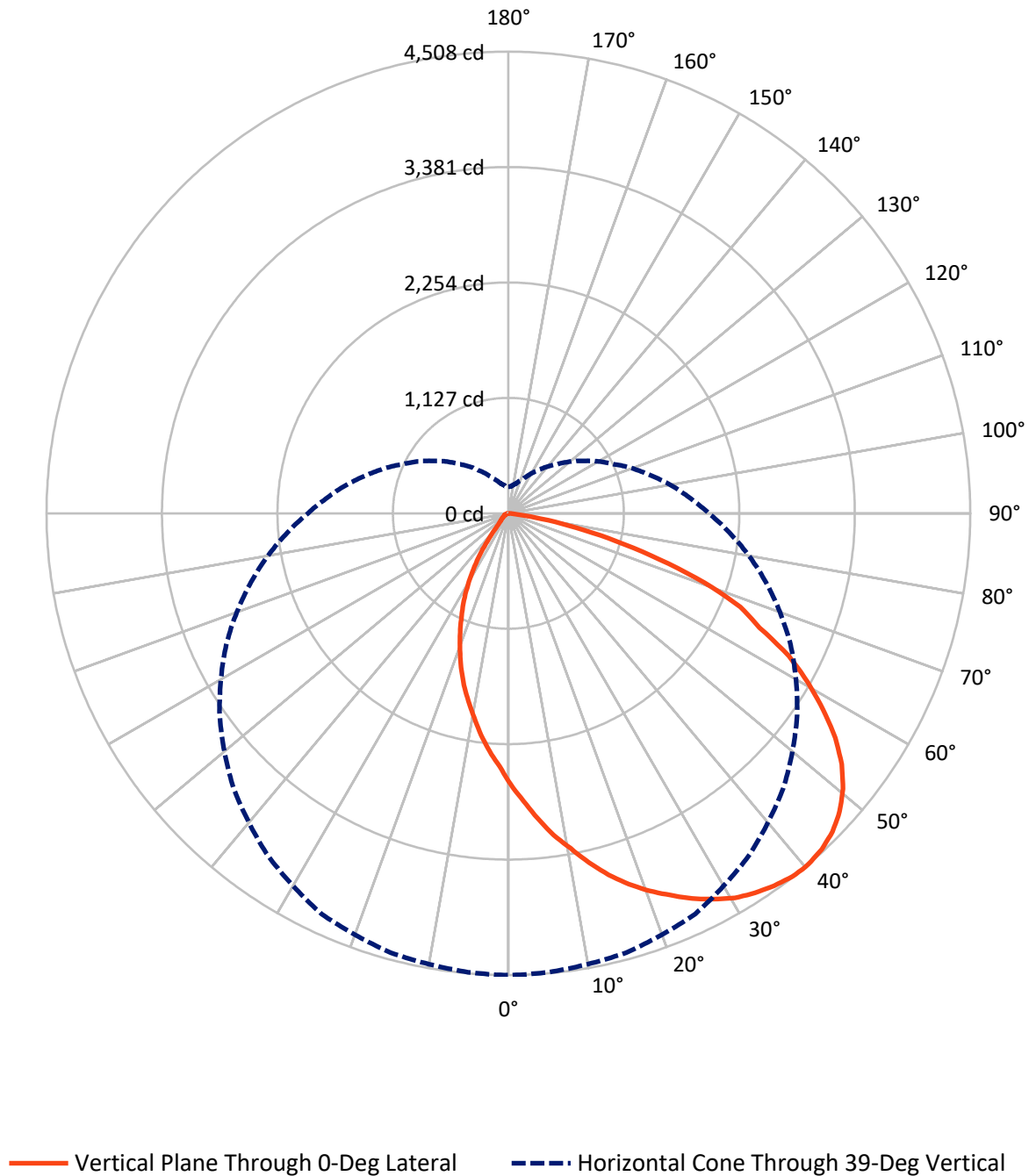
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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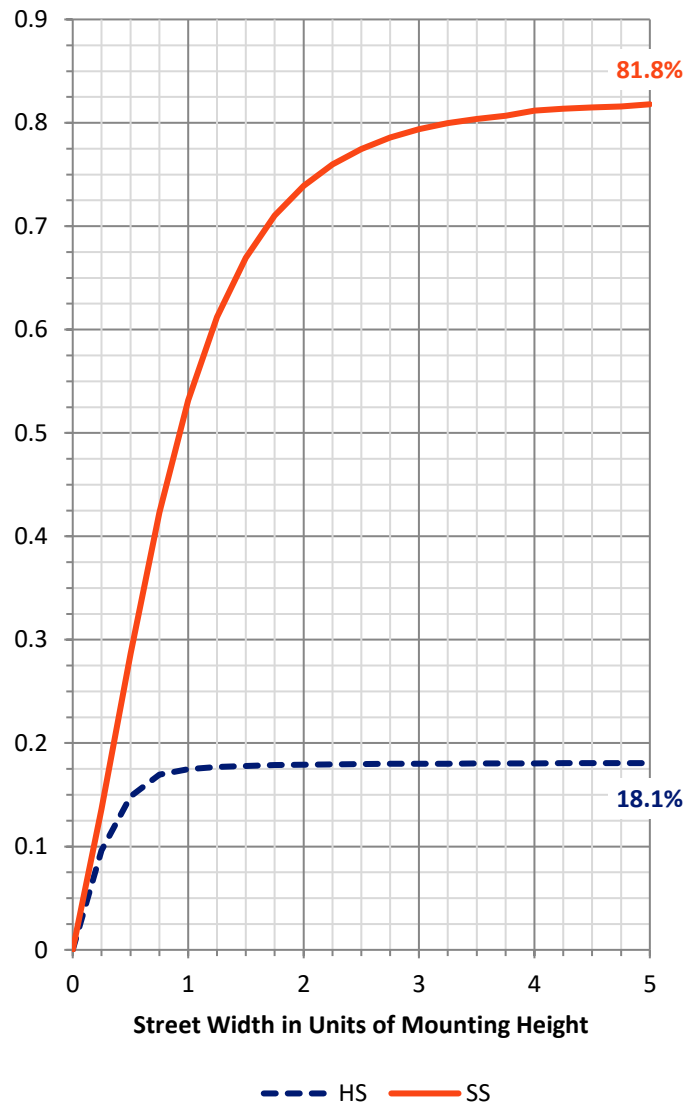
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.4	0.0	1517.4
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6801.6	0.0	6801.6
	% Fixture	81.8	0.0	81.8
Total	Lumens	8319.0	0.0	8319.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	3.0
10°-20°	747.7	9.0
20°-30°	1166.7	14.0
30°-40°	1451.0	17.4
40°-50°	1561.6	18.8
50°-60°	1467.3	17.6
60°-70°	1111.5	13.4
70°-80°	514.5	6.2
80°-90°	45.1	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°	8319.0	100.0
0°-180°	8319.0	100.0



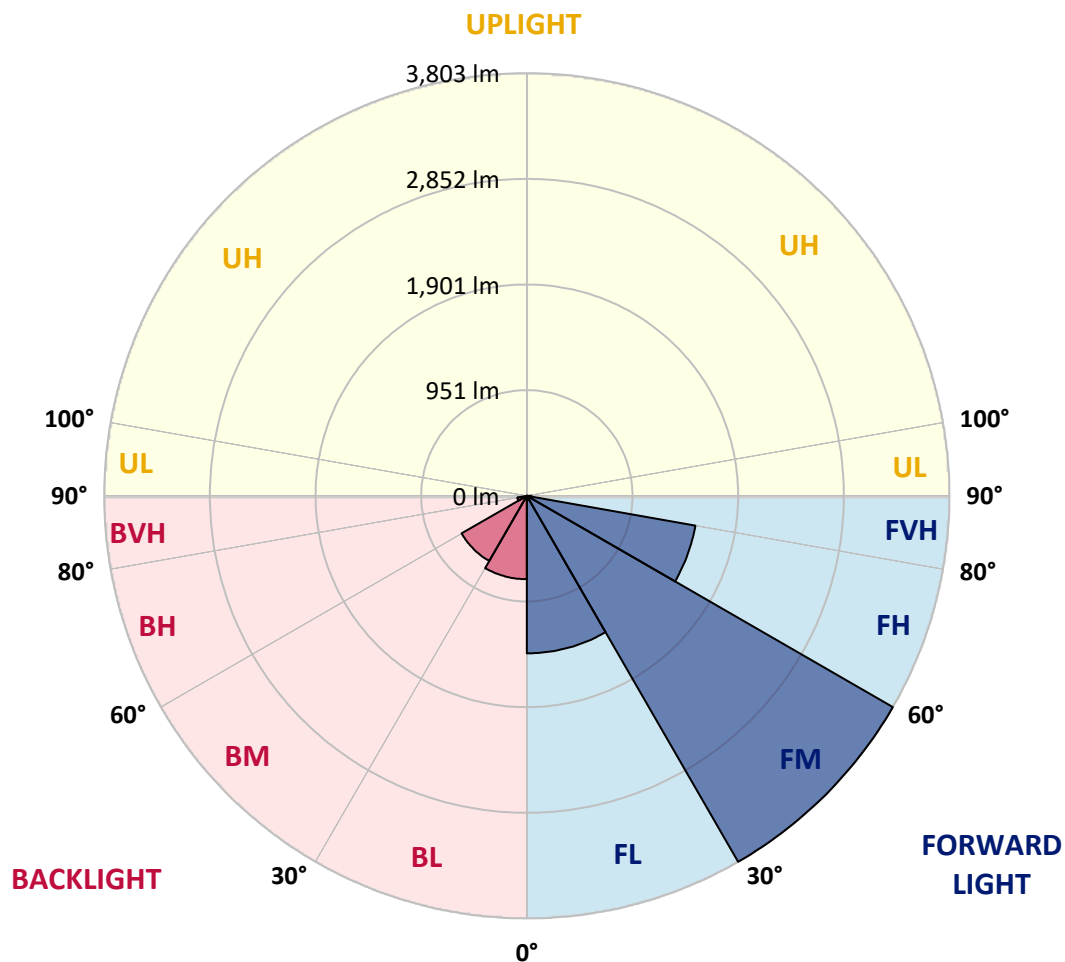
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1417.4	17.0			
FM	(30°-60°)	3802.6	45.7			
FH	(60°-80°)	1540.1	18.5			G1/1800
FVH	(80°-90°)	41.6	0.5			G1/100
BL	(0°-30°)	750.6	9.0	B2/1000		
BM	(30°-60°)	677.3	8.1	B1/1000		
BH	(60°-80°)	85.9	1.0	B0/110		G0/110
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0
2.5°	2811.6	2800.5	2806.3	2796.3	2795.2	2783.6	2762.4	2746.5	2726.4	2694.6	2661.3
5°	2993.8	2981.6	2986.9	2969.4	2958.8	2932.4	2889.5	2850.3	2804.7	2743.3	2682.4
7.5°	3172.2	3163.2	3164.8	3143.1	3120.9	3076.4	3013.4	2948.2	2874.1	2785.7	2693.6
10°	3326.8	3322.6	3329.0	3293.5	3262.2	3202.4	3121.4	3029.3	2926.5	2807.4	2688.8
12.5°	3498.4	3486.2	3492.0	3452.9	3411.6	3333.2	3230.5	3112.9	2980.5	2831.2	2681.4
15°	3663.1	3665.2	3662.0	3620.7	3568.3	3471.4	3346.4	3199.8	3036.7	2853.5	2672.4
17.5°	3807.1	3815.0	3812.9	3770.0	3698.5	3591.6	3447.6	3271.8	3076.4	2860.9	2645.9
20°	3936.3	3942.1	3938.4	3892.3	3810.8	3689.0	3525.9	3324.2	3096.5	2847.6	2604.1
22.5°	4050.1	4053.8	4050.7	3999.8	3908.8	3773.2	3592.1	3363.4	3106.0	2830.2	2561.7
25°	4167.7	4166.6	4164.0	4108.9	4009.4	3857.9	3655.7	3400.4	3119.3	2816.9	2522.0
27.5°	4266.2	4274.6	4267.8	4215.9	4107.3	3937.9	3711.8	3433.3	3129.9	2800.5	2477.5
30°	4358.3	4355.1	4349.8	4294.8	4180.4	3996.6	3748.3	3449.7	3125.6	2771.9	2424.6
32.5°	4418.1	4418.1	4405.9	4353.0	4234.9	4036.9	3769.5	3456.6	3110.8	2732.2	2358.9
35°	4466.8	4465.3	4453.6	4400.7	4279.4	4070.8	3787.0	3457.6	3091.2	2688.3	2289.0
37.5°	4500.2	4499.1	4488.0	4433.0	4306.9	4085.6	3794.9	3449.7	3062.1	2635.3	2213.3
39°	4508.1	4508.1	4497.6	4441.4	4315.9	4086.7	3794.9	3440.7	3038.8	2600.9	2165.1
40°	4507.1	4507.1	4496.5	4442.0	4315.4	4081.9	3789.6	3429.6	3020.8	2574.9	2131.8
42.5°	4484.8	4485.9	4475.3	4423.4	4297.9	4059.1	3760.0	3391.4	2965.7	2502.9	2042.3
45°	4435.1	4435.1	4425.5	4376.8	4248.2	4009.4	3708.6	3329.0	2895.3	2416.6	1945.4
47.5°	4350.4	4352.5	4341.9	4296.9	4166.6	3940.0	3640.3	3252.2	2809.0	2321.3	1835.2
50°	4232.3	4235.5	4224.9	4180.9	4062.3	3843.6	3546.6	3155.8	2701.5	2215.4	1716.6
52.5°	4072.9	4074.0	4069.2	4031.6	3924.6	3716.0	3426.4	3037.7	2582.9	2089.4	1590.1
55°	3872.2	3876.5	3870.1	3834.6	3745.7	3557.2	3280.2	2896.4	2443.1	1957.0	1451.9
57.5°	3622.8	3627.6	3623.4	3595.3	3525.9	3364.4	3105.0	2732.2	2302.8	1805.1	1306.8
60°	3361.3	3367.6	3362.8	3336.9	3270.2	3141.5	2904.8	2546.4	2123.3	1642.5	1157.5
62.5°	3073.2	3078.5	3074.3	3067.9	3004.9	2893.2	2689.3	2343.0	1939.5	1474.7	1005.5
65°	2693.6	2701.0	2686.1	2713.7	2702.6	2591.9	2433.6	2124.9	1730.9	1282.4	856.7
67.5°	2442.6	2444.7	2422.5	2397.6	2319.7	2299.6	2163.0	1889.8	1516.5	1100.8	707.4
70°	2032.2	1992.5	1997.8	2031.2	2060.3	1948.0	1871.8	1633.5	1291.4	910.7	564.4
72.5°	1542.4	1509.1	1517.5	1537.1	1587.4	1638.8	1522.8	1375.1	1062.7	734.9	422.5
75°	1086.0	1052.1	1062.2	1078.6	1117.2	1164.4	1194.0	1067.5	820.2	554.9	307.6
77.5°	677.2	667.2	655.5	666.1	695.8	737.6	773.6	767.2	587.2	387.6	201.2
80°	321.9	312.9	307.1	315.6	334.6	384.4	415.7	415.7	361.1	237.2	114.4
82.5°	59.3	57.7	57.2	64.6	73.1	114.9	151.4	168.9	163.6	109.6	47.1
85°	27.5	25.9	26.5	27.0	27.5	30.7	32.3	38.7	45.5	30.2	15.4
87.5°	9.5	10.1	10.1	11.1	10.6	11.6	12.2	13.2	12.2	9.5	7.9
90°	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°	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0	2647.0
2.5°	2644.3	2629.5	2601.4	2571.8	2545.3	2516.2	2497.6	2487.6	2475.4	2477.5	2470.6
5°	2652.3	2621.5	2567.0	2512.5	2464.3	2415.6	2381.7	2358.4	2338.8	2337.2	2330.8
7.5°	2648.5	2602.5	2521.5	2443.1	2373.2	2303.8	2254.6	2221.2	2192.1	2186.8	2181.0
10°	2630.0	2571.8	2465.3	2360.5	2272.1	2184.2	2121.2	2076.2	2039.1	2030.1	2021.6
12.5°	2608.3	2538.4	2406.0	2280.0	2174.6	2077.2	1996.7	1939.5	1897.2	1876.5	1874.4
15°	2585.0	2500.8	2342.5	2199.5	2072.5	1966.0	1875.0	1808.2	1757.9	1734.1	1730.4
17.5°	2545.3	2446.8	2266.8	2103.2	1960.2	1842.7	1741.0	1666.3	1609.1	1582.7	1576.8
20°	2488.6	2379.6	2177.8	1994.6	1836.8	1706.0	1597.5	1517.0	1454.5	1422.2	1414.8
22.5°	2432.0	2311.3	2089.4	1888.2	1715.0	1571.5	1452.4	1366.1	1298.9	1263.4	1256.5
25°	2380.1	2250.4	2004.1	1786.5	1597.5	1440.2	1310.0	1209.9	1146.4	1107.7	1099.8
27.5°	2322.9	2181.5	1915.2	1681.2	1478.4	1307.9	1167.0	1060.1	991.7	949.9	956.8
30°	2254.6	2101.6	1817.2	1561.5	1350.2	1170.2	1020.3	908.6	837.7	792.1	799.0
32.5°	2176.8	2014.2	1712.4	1443.9	1224.7	1029.9	879.0	759.8	686.8	644.9	643.9
35°	2095.8	1923.1	1601.7	1326.9	1096.1	891.1	733.4	615.8	529.0	492.4	489.8
37.5°	2009.4	1827.8	1500.6	1208.3	969.5	757.7	597.3	468.6	388.1	343.6	340.5
39°	1956.5	1771.2	1434.4	1135.2	892.7	678.3	515.2	384.9	302.9	262.1	260.0
40°	1918.9	1732.0	1388.9	1087.1	841.9	626.9	460.1	329.3	252.0	213.9	211.3
42.5°	1825.7	1628.2	1275.0	965.3	715.4	500.9	328.8	209.7	161.0	147.2	146.1
45°	1715.6	1514.4	1151.1	847.2	592.0	375.4	212.9	144.0	125.0	118.1	117.0
47.5°	1601.7	1396.3	1027.8	728.6	475.5	260.0	141.4	114.9	103.3	99.0	98.5
50°	1479.9	1272.9	916.0	612.6	361.6	164.7	111.2	94.8	87.9	85.2	84.7
52.5°	1358.2	1146.4	792.7	495.1	253.6	117.0	92.1	81.0	76.8	75.2	74.7
55°	1216.8	1018.8	672.5	391.3	162.6	94.3	77.3	70.4	67.8	65.1	65.1
57.5°	1087.1	889.6	560.7	289.1	108.0	77.3	66.2	61.4	58.2	56.1	55.6
60°	948.3	760.9	451.1	196.4	84.2	64.6	57.7	54.0	50.8	48.7	48.2
62.5°	809.1	633.3	348.9	118.1	67.2	54.5	50.8	47.1	44.5	42.4	42.4
65°	673.5	513.1	254.7	77.8	54.5	46.6	43.4	40.8	38.7	37.1	37.1
67.5°	541.7	395.5	172.6	59.3	43.9	39.7	37.6	35.5	33.4	32.3	32.3
70°	417.8	294.4	103.8	44.5	36.0	33.4	32.3	30.2	29.1	27.5	27.5
72.5°	305.5	204.4	56.7	34.4	29.1	27.5	27.0	25.4	24.4	23.3	23.3
75°	214.4	129.7	35.5	26.5	22.8	22.2	22.2	21.2	20.1	19.1	19.1
77.5°	132.9	72.0	24.4	19.1	17.5	17.5	17.5	16.4	15.4	14.8	14.3
80°	71.0	34.4	16.4	13.8	12.7	12.7	12.7	12.2	11.1	10.6	10.1
82.5°	29.7	15.9	10.6	9.0	7.9	8.5	8.5	7.4	6.4	5.3	5.3
85°	11.1	9.0	7.4	6.4	5.8	5.3	4.8	3.7	2.6	2.1	2.1
87.5°	6.9	6.4	5.8	5.3	4.8	3.7	3.2	2.1	1.1	0.5	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)