

Shadow Measurements Data

Name: Jonadab Beccnesttes

Date: 10/29/21

Location: Montebello – Reggie Rodriguez Park

bucket D1: 5/16 in

bucket D2: 5/16 in

D: 0 in (plating around pole remained the same length.)

H: 31 in

smallest z1: 45.567

smallest z2: 45.623

A = z2 – z1: 0.056

R = 180*D/(A*pi): 0

Time	S (in)	X1 (in)	L=S+X1-D (in)	tan(z)=L/H	z = ATAN(L/H)
12:10	31 12/16	5/16	32 1/16	1.034	45.958
12:15	31 10/16	5/16	31 15/16	1.03	45.847
12:20	31 8/16	5/16	31 13/16	1.026	45.735
12:30	31 6/16	5/16	31 11/16	1.022	45.623
12:35	31 5/16	5/16	31 10/16	1.02	45.567
12:40	31 6/16	5/16	31 11/16	1.022	45.623
12:45	31 7/16	5/16	31 12/16	1.024	45.679
12:50	31 9/16	5/16	31 14/16	1.028	45.791
12:55	31 11/16	5/16	32	1.032	45.902