

Offset -1°			
Radius [ft]	Main boom angle [°]	Rope pulley height [ft]	Load [1000 lbs]
22.3	86.00	190.4	430.7
25.0	85.20	190.2	430.7
30.0	83.60	189.6	370.3
35.0	82.00	188.8	322.4
40.0	80.40	188.0	281.4
45.0	78.80	186.9	251.9
50.0	77.20	185.8	221.8
55.0	75.60	184.4	193.7
60.0	74.00	183.0	171.5
65.0	72.40	181.3	153.4
70.0	70.70	179.5	138.4
75.0	69.00	177.6	125.8
80.0	67.30	175.5	115.0
85.0	65.60	173.2	105.7
90.0	63.90	170.7	97.5
95.0	62.10	168.0	90.4
100.0	60.30	165.1	84.0
105.0	58.50	162.0	78.4
110.0	56.60	158.7	73.3
115.0	54.70	155.1	68.6
120.0	52.70	151.2	64.4
125.0	50.70	147.1	60.6
130.0	48.60	142.7	57.1
135.0	46.50	137.9	53.9
140.0	44.20	132.7	50.9
145.0	41.90	127.2	48.1
150.0	39.40	121.1	45.6
155.0	36.80	114.4	43.2
160.0	34.10	107.1	40.9
165.0	31.10	98.8	38.8
170.0	27.80	89.5	36.8
175.0	24.00	78.6	35.0
180.0	20.60	68.5	33.4
185.0	15.20	51.8	31.6