



**RECREATION**  
SERIES

# **KEGEL** NAVIGATION PATTERNS





### **EASY STREET 7938**

Because of the medium distance of this pattern, it is favorable to many different styles and ball choices. Bowlers with higher rev rates can easily swing the ball and bowlers with lower rev rates can play more direct. This pattern is just like walking down EASY STREET with no worries on a nice summer day.

#### **Latitude Ratio Coordinates**

22' 7.9 to 1  
36' 5.2 to 1

#### **Longitude Ratio Coordinates**

Outside Taper 2.4 to 1  
Inside Taper 3.9 to 1

#### **Pattern Distance**

38 Feet

#### **Pattern Volume**

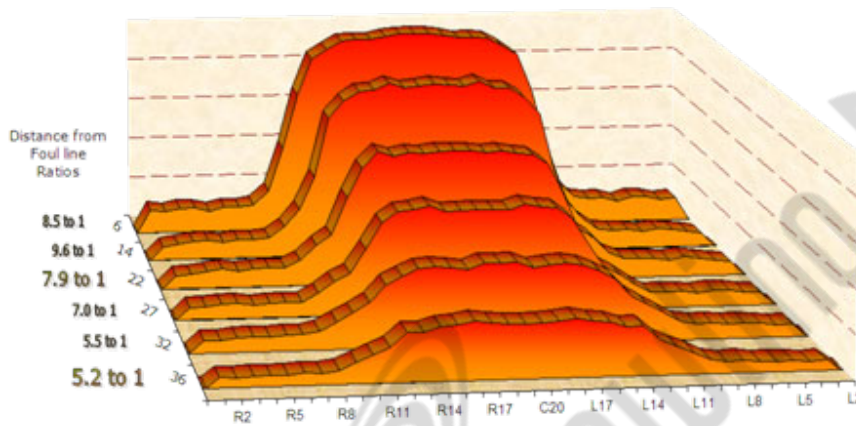
Forward 7.25 mL  
Reverse 11.45 mL  
Total 18.70 mL



### EASY STREET 7938

#### Latitude Ratio Coordinates

22' 7.9 to 1  
36' 5.2 to 1



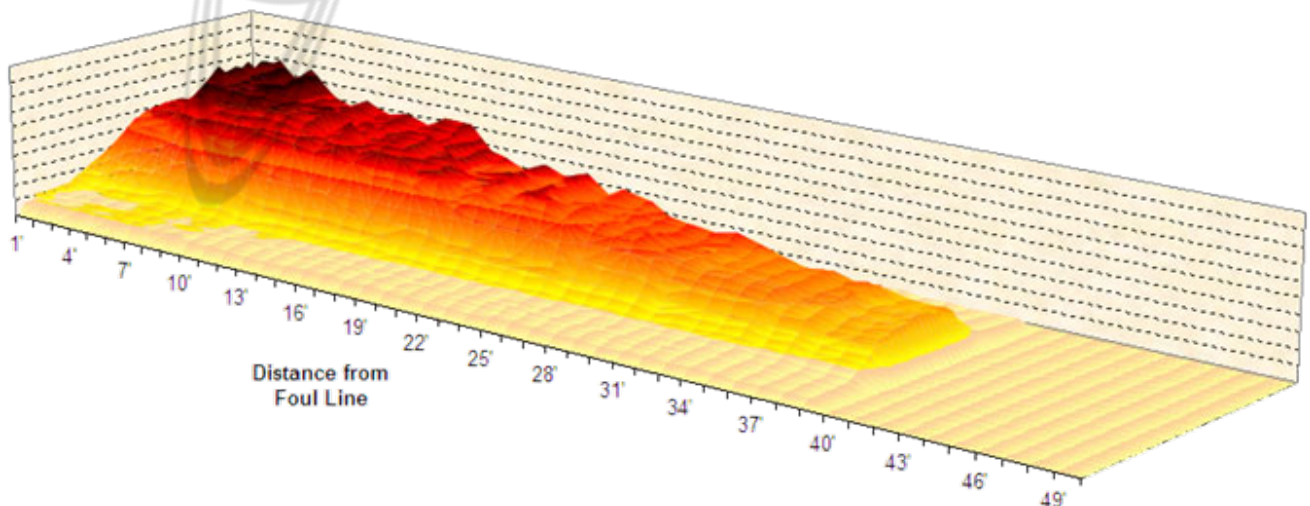
The 2D chart on the left was generated by Lane Monitor showing select tapes and ratios at key distances throughout the pattern. USBC Sport Bowling ratios are calculated at 22' and 2' before the end of the pattern. All Latitude Ratio Coordinates are calculated from these two distances.

Latitude ratios in the last half of the pattern can be an indicator of the difficulty of a pattern. Generally, the lower the ratios down lane, the more difficult the pattern.

#### Longitude Ratio Coordinates

Outside Taper 2.4 to 1  
Inside Taper 3.9 to 1

The 3D chart below was generated by taking tapes every foot of the pattern. This gives a visual of how the conditioner tapers off from the front to the end of the pattern.





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#### Kegel Sanction Technology™ Lane Machine Settings

Oil per Board (Pump Setting): 50  $\mu$ L

Pattern Distance: 38 feet

Forward Settings										
Screen #	Left End of Stream	Right End of Stream	# Loads or Streams	Travel Speed (in/sec)	Beginning Distance of Load (feet)	Ending Distance of Load (feet)	# Boards Crossed per Load	Total Boards Crossed	Total Volume of Oil ( $\mu$ L)	
01F	2	2	1	14.00	0.00	0.00	37	37	1850	
02F	10	10	3	18.00	0.00	7.60	21	63	3150	
03F	13	13	3	18.00	7.60	15.20	15	45	2250	
04F	2	2	0	18.00	15.20	24.00				
05F	2	2	0	22.00	24.00	33.00				
06F	2	2	0	30.00	33.00	38.00				
07F										
08F										
09F										
Forward Buff Screens: 3			Forward # Boards Crossed   Volume mL					145	7.25	
Reverse Settings										
Screen #	Left End of Stream	Right End of Stream	# Loads or Streams	Travel Speed (in/sec)	Beginning Distance of Load (feet)	Ending Distance of Load (feet)	# Boards Crossed per Load	Total Boards Crossed	Total Volume of Oil ( $\mu$ L)	
01R	2	2	0	30.00		33.00				
02R	14	14	2	18.00	33.00	27.90	13	26	1300	
03R	13	13	4	18.00	27.90	17.70	15	60	3000	
04R	12	12	4	14.00	17.70	9.80	17	68	3400	
05R	11	11	2	10.00	9.80	7.00	19	38	1900	
06R	2	2	1	10.00	7.00	5.60	37	37	1850	
07R	2	2	0	10.00	5.60	0.00				
08R										
09R										
Reverse # Boards Crossed   Volume mL								229	11.45	
<b>Forward plus Reverse Boards Crossed   Volume mL</b>								<b>374</b>	<b>18.70</b>	





### EASY STREET 7938

Forward Oil  
Reverse Oil  
Combined Oil  
Buff Area

The charts on this page are generated by Kegel's KOSI software from the lane machine program sheet.

The **OVERHEAD CHART** on the right shows where the conditioner is applied on both the forward and reverse screens. The gradient area is a calculation of how the conditioner might bleed off the buffer brush.

The **COMPOSITE GRAPH** below shows the total amount of conditioner applied to every board. A good way to think about this graph is to envision all the conditioner on the lane being pushed back to the foul line. Once all the conditioner is stacked up, this is what it would look like.

