

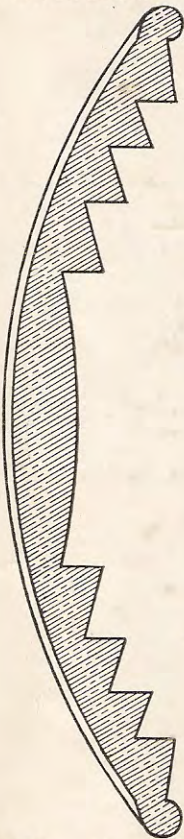
The Adams & Westlake Company

New York

CHICAGO

Philadelphia

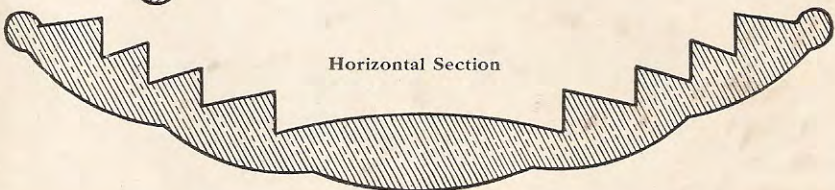
Vertical Section



THE SPREADLITE LENS was originally designed for switch and semaphore lamps where a wide spread of signal was desired and has also been found peculiarly adapted to engine-classification lamps. For the latter purpose the Spreadlite Lens is much superior to the most efficient type of Fresnel lens because of its ability to produce a more powerful signal with a given source of light. The Spreadlite lens gives a light of over twice that of the Fresnel, using the same candle-power burner.

Spreadlite lenses are the latest modification of the series of round lenses. They afford a compromise between the high candle power of the Optical and Inverted Lenses and the relatively diminished candle power of the Wide Angle Lens.

Horizontal Section



In the 5 in. size, the Spreadlite Lens has a spread of 66.2 deg. and in the Engine-Classification Lamps having two lenses, the serviceable spread is 132 deg.

Spreadlite lenses have been designed in smooth face and inverted types, and give equally satisfactory service with long-time or one-day burners. These lenses can be substituted for lenses of the same size now in service and can be furnished in any desired color. They can be furnished in $4\frac{1}{2}$, 5, $5\frac{3}{8}$, $6\frac{3}{8}$, and $8\frac{3}{8}$ in. sizes, either in the smooth face or the inverted-with-cover-glass type.

DATA FOR SPREADLITE LENSES

Type	Diameter	Focus	One-day Burner (2 c. p.)		Long-time Burner (1 c. p.)	
			C. P.	Spread	C. P.	Spread
"Smooth Face"	$4\frac{1}{2}$	3	23	68.8	18.9	63.4
	5	$3\frac{1}{2}$	28.9	66.2	23.5	61.5
	$5\frac{3}{8}$	$3\frac{1}{2}$	33.3	65	27	60
Inverted with Cover Glass	$4\frac{1}{2}$	3	28.5	66.5	22.8	64.9
	5	$3\frac{1}{2}$	35	64	28.4	62.7
	$5\frac{3}{8}$	$3\frac{1}{2}$	40.2	63.2	32.7	61.6



No. 175
Adlake
Switch Lamp
with
Spreadlite
Lenses

ADLAKE