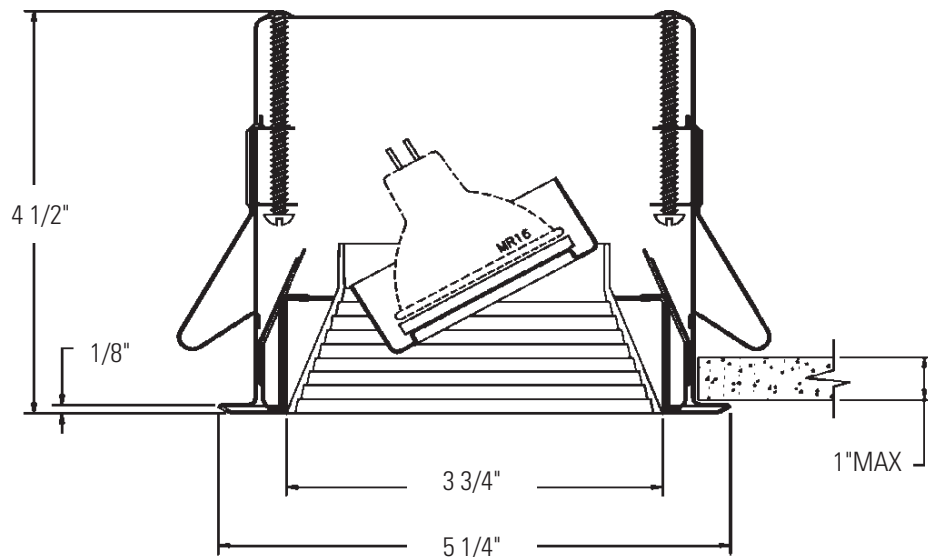




Complete fixture consists of Reflector Trim & Frame-In Kit. Select each separately

| Reflector Trim |                                    | Frame-In Kit |           | Lamp     |
|----------------|------------------------------------|--------------|-----------|----------|
| 405BKX         | Black Step Baffle and White Flange | Remodeler    | 400MRX    | 75W MR16 |
| 405WHX         | White Step Baffle and White Flange | Remodeler    | 3401MREX  | 50W MR16 |
|                |                                    | Non-IC       | 402MRX    | 75W MR16 |
|                |                                    | Non-IC       | 402MREX   | 75W MR16 |
|                |                                    | IC           | 402MRIC9X | 50W MR16 |
|                |                                    | Non-IC       | 602MR     | 75W MR16 |
|                |                                    | Non-IC       | 603MR     | 75W MR16 |
|                |                                    | Non-IC       | 604MR     | 75W MR16 |
|                |                                    | Non-IC       | 604QMR    | 75W MR16 |

## Features

- 1. Flange Housing:** Cold rolled steel 22ga. White trim flange.
- 2. Elbow Housing:** Die-cast aluminum with stepped conical surface for low brightness
- 3. Mounting Clips (3):** 24ga. spring steel, zinc plated. Provide easy snap-in / snap-out action.
- 4. Lamp Guard:** 2" (51mm) dia. borosilicate glass.

## Frame-In Kit

Note: For complete Frame-In Kit specifications, see 400 frame specification sheets.

## Accessories

Square Face Plate  
400SQWH White  
400SQBK Black

## Labels

CSA, UL (Suitable for damp locations.)

## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Notes:**

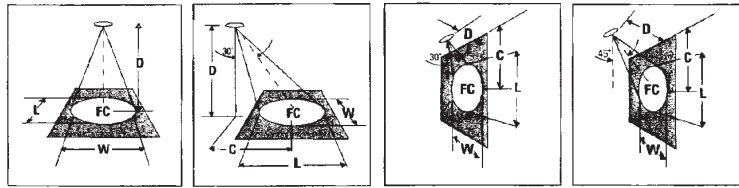
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(FC) is initial footcandles at center of beam.  
Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of center beam candlepower.  
CBCP is center beam candlepower.  
(C) is distance to the center of the beam.

Lamp data shown is typical, and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.



| Lamps                                  | Beam Spread<br>(No 30% CBCP)                                                        | CBCP   | Rated<br>Life (hrs.) | 0° AIMING ANGLE |     |      |      |  | 30° AIMING ANGLE |      |     |       |       | 30° AIMING ANGLE |    |       |     |       | 45° AIMING ANGLE |   |     |       |     |       |      |
|----------------------------------------|-------------------------------------------------------------------------------------|--------|----------------------|-----------------|-----|------|------|--|------------------|------|-----|-------|-------|------------------|----|-------|-----|-------|------------------|---|-----|-------|-----|-------|------|
|                                        |                                                                                     |        |                      | D               | FC  | L    | W    |  | D                | C    | FC  | L     | W     | D                | C  | FC    | L   | W     | D                | C | FC  | L     | W   |       |      |
| MR-16 LOW VOLTAGE HALOGEN BI-PIN LAMPS |                                                                                     |        |                      |                 |     |      |      |  |                  |      |     |       |       |                  |    |       |     |       |                  |   |     |       |     |       |      |
| 20W MR-16<br>VNSP (EZC)                |    | 8200   | 3000                 | 7'              | 167 | 0.9' | 0.9' |  | 6'               | 3.5' | 146 | 1.0'  | 0.8'  |                  | 2' | 3.5'  | 256 | 1.0'  | 0.5'             |   | 4'  | 4.0'  | 161 | 1.0'  | 0.7' |
|                                        |                                                                                     |        |                      | 10'             | 82  | 1.2' | 1.2' |  | 9'               | 5.2' | 66  | 1.5'  | 1.3'  |                  | 3' | 5.2'  | 114 | 1.5'  | 0.7'             |   | 6'  | 6.0'  | 81  | 1.5'  | 1.0' |
|                                        |                                                                                     |        |                      | 13'             | 48  | 1.6' | 1.6' |  | 12'              | 6.9' | 37  | 2.0'  | 1.7'  |                  | 4' | 6.9'  | 84  | 2.0'  | 1.0'             |   | 8'  | 8.0'  | 45  | 2.0'  | 1.4' |
|                                        |                                                                                     |        |                      | 16'             | 32  | 2.0' | 2.0' |  | 15'              | 8.7' | 24  | 2.3'  | 2.1'  |                  | 5' | 8.7'  | 41  | 2.3'  | 1.2'             |   | 10' | 10.0' | 29  | 2.3'  | 1.7' |
| 20W MR-16<br>NSP (ESX)                 |    | 3600   | 3000                 | 6'              | 100 | 1.4' | 1.4' |  | 5'               | 2.9' | 94  | 1.5'  | 1.3'  |                  | 2' | 3.5'  | 113 | 1.3'  | 0.9'             |   | 3'  | 3.0'  | 141 | 1.4'  | 1.0' |
|                                        |                                                                                     |        |                      | 8'              | 56  | 1.8' | 1.8' |  | 7'               | 4.0' | 48  | 2.1'  | 1.8'  |                  | 3' | 5.2'  | 50  | 2.3'  | 1.4'             |   | 5'  | 5.0'  | 51  | 2.3'  | 1.9' |
|                                        |                                                                                     |        |                      | 10'             | 36  | 2.3' | 2.3' |  | 9'               | 5.2' | 29  | 2.7'  | 2.4'  |                  | 4' | 6.9'  | 28  | 3.8'  | 1.8'             |   | 7'  | 7.0'  | 26  | 3.2'  | 2.3' |
|                                        |                                                                                     |        |                      | 12'             | 25  | 2.7' | 2.7' |  | 11'              | 6.4' | 19  | 3.4'  | 2.9'  |                  | 5' | 8.7'  | 18  | 4.7'  | 2.3'             |   | 9'  | 9.0'  | 16  | 4.2'  | 2.9' |
| 20W MR-16<br>FL (BAB)                  |    | 525    | 4000                 | 2'              | 131 | 1.5' | 1.5' |  | 2'               | 1.2' | 85  | 2.0'  | 1.7'  |                  | 1' | 1.7'  | 66  | 4.6'  | 1.5'             |   | 2'  | 2.0'  | 46  | 3.4'  | 2.1' |
|                                        |                                                                                     |        |                      | 3'              | 58  | 2.2' | 2.2' |  | 3'               | 1.7' | 38  | 3.0'  | 2.5'  |                  | 2' | 3.5'  | 16  | 9.7'  | 2.9'             |   | 3'  | 3.0'  | 21  | 5.0'  | 3.1' |
|                                        |                                                                                     |        |                      | 4'              | 33  | 2.9' | 2.9' |  | 4'               | 2.3' | 21  | 4.1'  | 3.4'  |                  | 3' | 5.2'  | 7   | 14.5' | 4.4'             |   | 4'  | 4.0'  | 12  | 6.7'  | 4.1' |
|                                        |                                                                                     |        |                      | 5'              | 21  | 3.6' | 3.6' |  | 5'               | 2.9' | 14  | 5.1'  | 4.2'  |                  | 4' | 6.9'  | 4   | 19.3' | 5.8'             |   | 5'  | 5.0'  | 7   | 8.4'  | 5.1' |
| 35W MR-16<br>NSP (FRB)                 |    | 8700   | 4000                 | 7'              | 178 | 1.5' | 1.5' |  | 6'               | 3.5' | 157 | 1.7'  | 1.5'  |                  | 2' | 3.5'  | 272 | 1.7'  | 0.8'             |   | 4'  | 4.0'  | 192 | 1.7'  | 1.2' |
|                                        |                                                                                     |        |                      | 10'             | 87  | 2.1' | 2.1' |  | 9'               | 5.2' | 70  | 2.5'  | 2.2'  |                  | 3' | 5.2'  | 121 | 2.6'  | 1.3'             |   | 6'  | 6.0'  | 85  | 2.6'  | 1.8' |
|                                        |                                                                                     |        |                      | 13'             | 51  | 2.7' | 2.7' |  | 12'              | 6.9' | 36  | 3.4'  | 2.9'  |                  | 4' | 6.9'  | 68  | 3.5'  | 1.7'             |   | 8'  | 8.0'  | 48  | 3.4'  | 2.4' |
|                                        |                                                                                     |        |                      | 16'             | 34  | 3.4' | 3.4' |  | 15'              | 8.7' | 25  | 4.2'  | 3.6'  |                  | 5' | 8.7'  | 44  | 4.3'  | 2.1'             |   | 10' | 10.0' | 31  | 4.3'  | 3.0' |
| 35W MR-16<br>SP (FRA)                  |    | 3900   | 4000                 | 6'              | 108 | 2.1' | 2.1' |  | 5'               | 2.9' | 101 | 2.4'  | 2.0'  |                  | 2' | 3.5'  | 122 | 3.1'  | 1.4'             |   | 3'  | 3.0'  | 153 | 2.7'  | 1.5' |
|                                        |                                                                                     |        |                      | 8'              | 61  | 2.8' | 2.8' |  | 7'               | 4.0' | 52  | 3.3'  | 2.9'  |                  | 3' | 5.2'  | 54  | 4.7'  | 2.1'             |   | 5'  | 5.0'  | 55  | 3.6'  | 2.5' |
|                                        |                                                                                     |        |                      | 10'             | 39  | 3.5' | 3.5' |  | 9'               | 5.2' | 31  | 4.3'  | 3.7'  |                  | 4' | 6.9'  | 30  | 6.2'  | 2.8'             |   | 7'  | 7.0'  | 28  | 5.1'  | 3.5' |
|                                        |                                                                                     |        |                      | 12'             | 27  | 4.2' | 4.2' |  | 11'              | 6.4' | 21  | 5.2'  | 4.5'  |                  | 5' | 8.7'  | 20  | 7.8'  | 3.5'             |   | 9'  | 9.0'  | 17  | 6.6'  | 4.5' |
| 35W MR-16<br>FL (FWW)                  |   | 1600   | 4000                 | 4'              | 100 | 2.9' | 2.9' |  | 3'               | 1.7' | 115 | 3.0'  | 2.5'  |                  | 1' | 1.7'  | 200 | 4.8'  | 1.5'             |   | 3'  | 3.0'  | 63  | 5.0'  | 3.1' |
|                                        |                                                                                     |        |                      | 6'              | 44  | 4.4' | 4.4' |  | 5'               | 2.9' | 42  | 5.1'  | 4.2'  |                  | 2' | 3.5'  | 50  | 9.7'  | 2.9'             |   | 4'  | 4.0'  | 35  | 6.7'  | 4.1' |
|                                        |                                                                                     |        |                      | 8'              | 25  | 5.8' | 5.8' |  | 7'               | 4.0' | 21  | 7.1'  | 5.8'  |                  | 3' | 5.2'  | 22  | 14.5' | 4.4'             |   | 5'  | 5.0'  | 23  | 8.4'  | 5.1' |
|                                        |                                                                                     |        |                      | 10'             | 16  | 7.3' | 7.3' |  | 9'               | 5.2' | 13  | 9.1'  | 7.6'  |                  | 4' | 6.9'  | 13  | 19.3' | 5.8'             |   | 6'  | 6.0'  | 16  | 10.1' | 6.2' |
| 37W MR-16<br>IR (NSP)                  |  | 11500  | 4000                 | 6'              | 180 | 1.4' | 1.4' |  | 7'               | 4.0' | 152 | 1.6'  | 1.4'  |                  | 3' | 5.2'  | 160 | 2.1'  | 1.0'             |   | 5'  | 5.0'  | 183 | 1.8'  | 1.2' |
|                                        |                                                                                     |        |                      | 12'             | 80  | 2.1' | 2.1' |  | 10'              | 5.8' | 75  | 2.3'  | 2.0'  |                  | 4' | 6.9'  | 90  | 2.9'  | 1.4'             |   | 7'  | 7.0'  | 83  | 2.5'  | 1.7' |
|                                        |                                                                                     |        |                      | 16'             | 45  | 2.8' | 2.8' |  | 13'              | 7.5' | 44  | 3.0'  | 2.8'  |                  | 5' | 8.7'  | 58  | 3.6'  | 1.7'             |   | 9'  | 9.0'  | 50  | 3.2'  | 2.2' |
|                                        |                                                                                     |        |                      | 20'             | 29  | 3.5' | 3.5' |  | 16'              | 9.2' | 29  | 3.7'  | 3.2'  |                  | 6' | 10.4' | 40  | 4.3'  | 2.1'             |   | 11' | 11.0' | 34  | 3.9'  | 2.7' |
| 37W MR-16<br>IR (NFL)                  |  | 3500   | 4000                 | 8'              | 97  | 2.7' | 2.7' |  | 5'               | 2.9' | 91  | 3.0'  | 2.6'  |                  | 2' | 3.5'  | 108 | 4.2'  | 1.8'             |   | 3'  | 3.0'  | 137 | 2.8'  | 1.8' |
|                                        |                                                                                     |        |                      | 8'              | 55  | 3.5' | 3.5' |  | 5'               | 2.9' | 46  | 4.2'  | 3.6'  |                  | 3' | 5.2'  | 49  | 6.2'  | 2.7'             |   | 5'  | 5.0'  | 49  | 4.7'  | 3.1' |
|                                        |                                                                                     |        |                      | 10'             | 35  | 4.4' | 4.4' |  | 7'               | 4.0' | 28  | 5.4'  | 4.6'  |                  | 4' | 6.9'  | 27  | 8.3'  | 3.5'             |   | 7'  | 7.0'  | 25  | 6.5'  | 4.4' |
|                                        |                                                                                     |        |                      | 12'             | 24  | 5.3' | 5.3' |  | 9'               | 5.2' | 19  | 6.6'  | 5.6'  |                  | 5' | 8.7'  | 18  | 10.4' | 4.4'             |   | 9'  | 9.0'  | 15  | 8.4'  | 5.6' |
| 37W MR-16<br>IR (FL)                   |  | 2050   | 4000                 | 4'              | 128 | 2.8' | 2.8' |  | 3'               | 1.7' | 148 | 3.0'  | 2.5'  |                  | 1' | 1.7'  | 258 | 4.8'  | 1.5'             |   | 3'  | 3.0'  | 61  | 5.0'  | 3.1' |
|                                        |                                                                                     |        |                      | 6'              | 57  | 4.4' | 4.4' |  | 5'               | 2.9' | 53  | 5.1'  | 4.2'  |                  | 2' | 3.5'  | 64  | 9.7'  | 2.9'             |   | 4'  | 4.0'  | 45  | 6.7'  | 4.1' |
|                                        |                                                                                     |        |                      | 8'              | 32  | 5.8' | 5.8' |  | 7'               | 4.0' | 27  | 7.1'  | 5.9'  |                  | 3' | 5.2'  | 28  | 14.5' | 4.4'             |   | 5'  | 5.0'  | 25  | 8.4'  | 5.1' |
|                                        |                                                                                     |        |                      | 10'             | 21  | 7.3' | 7.3' |  | 9'               | 5.2' | 16  | 9.1'  | 7.6'  |                  | 4' | 6.9'  | 16  | 19.3' | 5.8'             |   | 6'  | 6.0'  | 20  | 10.1' | 6.2' |
| 42W MR-16<br>VNSP (EZV)                |  | 13,100 | 3500                 | 8'              | 205 | 1.3' | 1.3' |  | 7'               | 4.0' | 174 | 1.5'  | 1.3'  |                  | 3' | 5.2'  | 182 | 1.9'  | 0.9'             |   | 5'  | 5.0'  | 185 | 1.6'  | 1.1' |
|                                        |                                                                                     |        |                      | 12'             | 91  | 1.9' | 1.9' |  | 10'              | 5.8' | 85  | 2.1'  | 1.8'  |                  | 4' | 6.9'  | 102 | 2.5'  | 1.3'             |   | 7'  | 7.0'  | 96  | 2.2'  | 1.6' |
|                                        |                                                                                     |        |                      | 16'             | 51  | 2.5' | 2.5' |  | 13'              | 7.5' | 50  | 2.7'  | 2.4'  |                  | 5' | 8.7'  | 66  | 3.2'  | 1.6'             |   | 9'  | 9.0'  | 57  | 2.8'  | 2.0' |
|                                        |                                                                                     |        |                      | 20'             | 33  | 3.1' | 3.1' |  | 16'              | 9.2' | 33  | 3.4'  | 2.9'  |                  | 6' | 10.4' | 45  | 3.8'  | 1.9'             |   | 11' | 11.0' | 36  | 3.5'  | 2.4' |
| 42W MR-16<br>NFL (EYS)                 |  | 2400   | 4000                 | 4'              | 150 | 1.9' | 1.9' |  | 3'               | 1.7' | 173 | 2.0'  | 1.7'  |                  | 1' | 1.7'  | 300 | 2.3'  | 1.0'             |   | 3'  | 3.0'  | 94  | 3.1'  | 2.0' |
|                                        |                                                                                     |        |                      | 6'              | 67  | 2.9' | 2.9' |  | 5'               | 2.9' | 62  | 3.3'  | 2.8'  |                  | 2' | 3.5'  | 75  | 4.6'  | 1.5'             |   | 4'  | 4.0'  | 53  | 4.1'  | 2.7' |
|                                        |                                                                                     |        |                      | 8'              | 38  | 3.8' | 3.8' |  | 7'               | 4.0' | 32  | 4.6'  | 3.9'  |                  | 3' | 5.2'  | 33  | 7.0'  | 2.9'             |   | 5'  | 5.0'  | 34  | 5.1'  | 3.4' |
|                                        |                                                                                     |        |                      | 10'             | 24  | 4.8' | 4.8' |  | 9'               | 5.2' | 15  | 5.9'  | 5.0'  |                  | 4' | 6.9'  | 19  | 9.3'  | 3.6'             |   | 6'  | 6.0'  | 24  | 6.1'  | 4.1' |
| 50W MR-16<br>NSP (EXT)                 |  | 10,200 | 4000                 | 8'              | 159 | 2.0' | 2.0' |  | 7'               | 4.0' | 135 | 2.3'  | 2.0'  |                  | 3' | 5.2'  | 142 | 3.1'  | 1.5'             |   | 5'  | 5.0'  | 144 | 2.5'  | 1.7' |
|                                        |                                                                                     |        |                      | 12'             | 71  | 2.9' | 2.9' |  | 10'              | 5.8' | 96  | 3.3'  | 2.8'  |                  | 4' | 6.9'  | 80  | 4.1'  | 2.0'             |   | 7'  | 7.0'  | 74  | 3.5'  | 2.4' |
|                                        |                                                                                     |        |                      | 16'             | 40  | 3.8' | 3.8' |  | 13'              | 7.5' | 38  | 4.3'  | 3.7'  |                  | 5' | 8.7'  | 51  | 5.1'  | 2.5'             |   | 9'  | 9.0'  | 46  | 4.5'  | 3.1' |
|                                        |                                                                                     |        |                      | 20'             | 26  | 4.5' | 4.5' |  | 16'              | 9.2' | 28  | 5.3'  | 4.5'  |                  | 6' | 10.4' | 35  | 6.2'  | 2.9'             |   | 11' | 11.0' | 30  | 5.5'  | 3.8' |
| 50W MR-16<br>NFL (EXZ)                 |  | 3400   | 4000                 | 6'              | 94  | 2.9' | 2.9' |  | 5'               | 2.9' | 88  | 3.3'  | 2.8'  |                  | 2' | 3.5'  | 106 | 4.6'  | 1.9'             |   | 3'  | 3.0'  | 134 | 3.1'  | 2.0' |
|                                        |                                                                                     |        |                      | 8'              | 53  | 3.8' | 3.8' |  | 7'               | 4.0' | 45  | 4.6'  | 3.9'  |                  | 3' | 5.2'  | 47  | 7.0'  | 2.9'             |   | 5'  | 5.0'  | 48  | 5.1'  | 3.4' |
|                                        |                                                                                     |        |                      | 10'             | 34  | 4.8' | 4.8' |  | 9'               | 5.2' | 27  | 5.9'  | 5.0'  |                  | 4' | 6.9'  | 27  | 9.3'  | 3.6'             |   | 7'  | 7.0'  | 25  | 7.1'  | 4.8' |
|                                        |                                                                                     |        |                      | 12'             | 24  | 5.8' | 5.8' |  | 11'              | 6.4' | 18  | 7.2'  | 6.1'  |                  | 5' | 8.7'  | 17  | 11.6' | 4.8'             |   | 9'  | 9.0'  | 15  | 9.2'  | 6.1' |
| 50W MR-16<br>FL (EXN)                  |  | 1850   | 4000                 | 4'              | 116 | 2.9' | 2.9' |  | 3'               | 1.7' | 134 | 3.0'  | 2.5'  |                  | 1' | 1.7'  | 231 | 4.8'  | 1.5'             |   | 3'  | 3.0'  | 73  | 5.0'  | 3.1' |
|                                        |                                                                                     |        |                      | 6'              | 51  | 4.4' | 4.4' |  | 5'               | 2.9' | 48  | 5.1'  | 4.2'  |                  | 2' | 3.5'  | 58  | 9.7'  | 2.9'             |   | 4'  | 4.0'  | 41  | 6.7'  | 4.1' |
|                                        |                                                                                     |        |                      | 8'              | 25  | 5.8' | 5.8' |  | 7'               | 4.0' | 25  | 7.1'  | 5.9'  |                  | 3' | 5.2'  | 26  | 14.5' | 4.4'             |   | 5'  | 5.0'  | 26  | 8.4'  | 5.1' |
|                                        |                                                                                     |        |                      | 10'             | 19  | 7.3' | 7.3' |  | 9'               | 5.2' | 15  | 9.1'  | 7.6'  |                  | 4' | 6.9'  | 14  | 19.3' | 5.8'             |   | 6'  | 6.0'  | 18  | 10.1' | 6.2' |
| 50W MR-16<br>WFL (FWV)                 |  | 1150   | 4000                 | 3'              | 128 | 3.1' | 3.1' |  | 3'               | 1.7' | 83  | 4.6'  | 3.6'  |                  | 1' | 1.7'  | 144 | 22.3' | 2.1'             |   | 2'  | 2.0'  | 102 | 5.7'  | 2.9' |
|                                        |                                                                                     |        |                      | 5'              | 46  | 5.2' | 5.2' |  | 5'               | 2.9' | 30  | 7.6'  | 6.0'  |                  | 2' | 3.5'  | 36  | 44.5' | 4.2'             |   | 3'  | 3.0'  | 45  | 8.6'  | 4.4' |
|                                        |                                                                                     |        |                      | 7'              | 23  | 7.3' | 7.3' |  | 7'               | 4.0' | 15  | 10.7' | 8.4'  |                  | 3' | 5.2'  | 16  | 66.8' | 6.2'             |   | 4'  | 4.0'  | 25  | 11.4' | 5.9' |
|                                        |                                                                                     |        |                      | 9'              | 14  | 9.4' | 9.4' |  | 9'               | 5.2' | 9   | 13.7' | 10.8' |                  | 4' | 6.9'  | 9   | 89.1' | 8.3'             |   | 5'  | 5.0'  | 16  | 14.3' | 7.4' |
| 73W MR-16<br>SP                        |  | 14800  | 4000                 | 8'              | 219 | 1.4' | 1.4' |  | 7'               | 4.0' | 186 | 1.6'  | 1.4'  |                  | 3' | 5.2'  | 194 | 2.1'  | 1.0'             |   | 5'  | 5.0'  | 198 | 1.8'  | 1.2' |
|                                        |                                                                                     |        |                      | 12'             | 97  | 2.1' | 2.1' |  | 10'              | 5.8' | 91  | 2.3'  | 2.0'  |                  | 4' | 6.9'  | 108 | 2.9'  | 1.4'             |   | 7'  | 7.0'  | 101 | 2.5'  | 1.7' |
|                                        |                                                                                     |        |                      | 16'             | 55  | 2.8' | 2.8' |  | 13'              | 7.5' | 54  | 3.0'  | 2.6'  |                  | 5' | 8.7'  | 70  | 3.6'  | 1.7'             |   | 9'  | 9.0'  | 61  | 3.2'  | 2.2' |
|                                        |                                                                                     |        |                      | 20'             | 35  | 3.5' | 3.5' |  | 16'              | 9.2' | 36  | 3.7'  | 3.2'  |                  | 6' | 10.4' | 49  | 4.3'  | 2.1'             |   | 11' | 11.0' | 41  | 3.8'  | 2.7' |
| 73W MR-16<br>FL                        |  | 250    |                      |                 |     |      |      |  |                  |      |     |       |       |                  |    |       |     |       |                  |   |     |       |     |       |      |