



**RACO**

**TAYMAC**

**BELL**

COMMERCIAL, INDUSTRIAL AND RESIDENTIAL ELECTRICAL PRODUCTS



# LED SWIVEL JOINT FLOODLIGHT

BELL® weatherproof floodlights provide weatherproof protection for general outdoor lighting applications. The unique swivel joint knuckle allows for easy and precise positioning. BELL floodlights may be used with BELL cluster covers and boxes.



Patented Multi-Directional Swivel Joint

LL1000Z

**LED**  
1000 Lumens Brightness  
**13W**  
80% Less Energy\*  
120V 60Hz



LL1000S

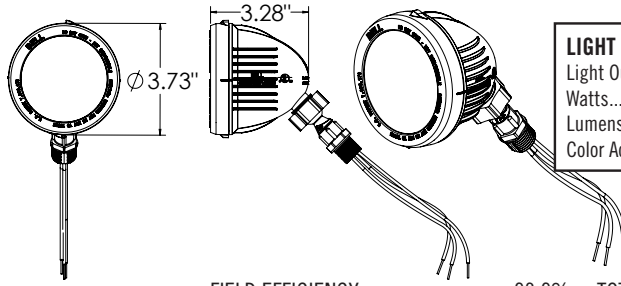
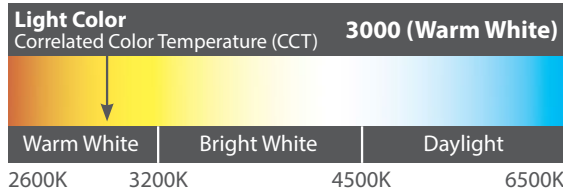
LL1000W

- Patented multi-directional swivel joint
- Commercial Grade
- Die Cast Metal
- Tempered Glass Lens
- Premium Powder Coat
- No tool easy mount
- Long Life: 50,000 hours
- No mercury or toxins
- Even light distribution
- Reduces energy cost
- 2014 NEC & NEMA 3R Compliant



# LED SWIVEL JOINT FLOODLIGHT

| CATALOG #  | DESCRIPTION                 | COLOR  | PKG. TYPE | STD. PKG. | UPC          | I 2 of 5       |
|--|-----------------------------|--------|-----------|-----------|--------------|----------------|
| <b>BELL® LED SWIVEL JOINT FLOODLIGHT 120V 60HZ</b> |                             |        |           |           |              |                |
| LL1000S  | 13W / 1000 Lumen Warm White | Gray   | Clear Box | 4         | 050169917558 | 50050169917553 |
| LL1000W  | 13W / 1000 Lumen Warm White | White  | Clear Box | 4         | 050169917565 | 50050169917560 |
| LL1000Z  | 13W / 1000 Lumen Warm White | Bronze | Clear Box | 4         | 050169917572 | 50050169917577 |



| LIGHT SPECIFICATIONS                       |      |
|--|------|
| Light Output (Lumens)                      | 997  |
| Watts                                      | 13.3 |
| Lumens per Watt (Efficacy)                 | 73.7 |
| Color Accuracy Color Rendering Index (CRI) | 82.6 |

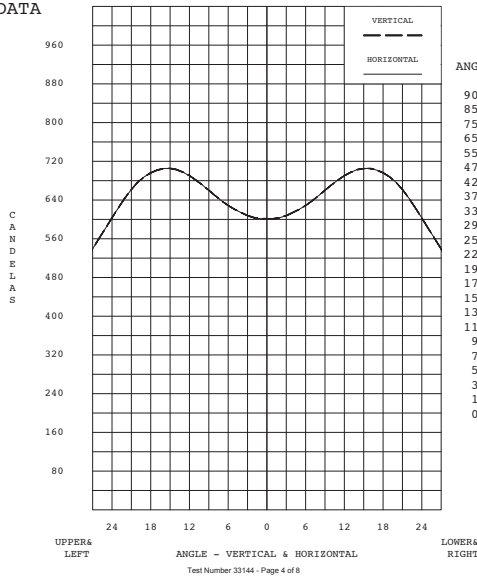
## FLOODLIGHT SUMMARY

|   |  |                            |                                     |
|---|--|----------------------------|-------------------------------------|
| FIELD ANGLE.....110.6H X 110.6V<br>(BASED ON 10% OF MAX. CP.) | MAX. INTENSITY<br>(CANDLEPOWER) ..... 705 Candelas | FIELD EFFICIENCY.....93.9% | TOTAL EFFICIENCY.....100.0%         |
| BEAM ANGLE .....70.5H X 70.5V<br>(BASED ON 50% OF MAX. CP.)   | ANGLE OF BEAM FROM AXIS ..... 15.0°                | BEAM LUMENS.....652 Lms.   | SPILL LIGHT LUMENS.....60.0 Lms.    |
| IESNA & NEMA TYP ..... 6H X 6V                                | BEAM IS SYMMETRIC ABOUT FLOODLIGHT AXIS            | BEAM EFFICIENCY .....66.5% | EFFICACY (LUMENS PER WATT).....73.7 |
|   | FIELD LUMENS.....920 Lms.                          | TOTAL LUMENS .....980 Lms. |                                     |

This is an absolute test report. Efficiencies are expressed as a percentage of luminaire total lumen. The above values consider light emitted within 90° of the beam axis, in all four quadrants. Field angle is defined by 10% of maximum intensity (candlepower). Beam angle is defined by 50% of maximum intensity (candlepower). Laboratory results may not be representative of field performance. Ballast factors have not been applied. Tested and computed in accordance with IESNA LM-35-02.

## FLOODLIGHT DATA

CANDLEPOWER THROUGH ORIGIN



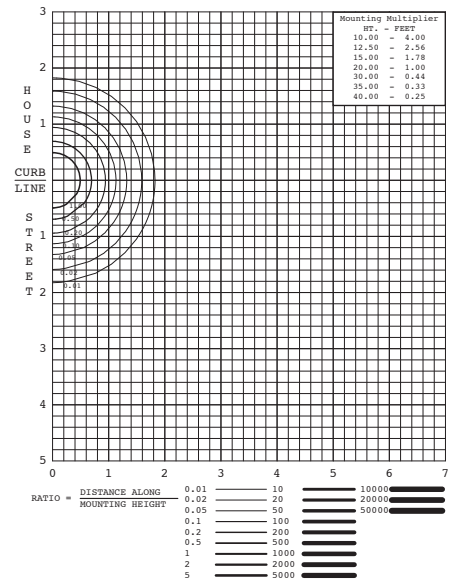
INTENSITY (CANDLEPOWER) CANDELAS

| VERTICAL TRACE |             |       |             | HORIZONTAL TRACE |             |       |             |
|----------------|-------------|-------|-------------|------------------|-------------|-------|-------------|
| ANGLE          | CANDLEPOWER | ANGLE | CANDLEPOWER | ANGLE            | CANDLEPOWER | ANGLE | CANDLEPOWER |
| 90.0           | 0.          | 0.0   | 601.        | 90.0             | 0.          | 0.0   | 601.        |
| 85.0           | 1.          | -1.0  | 601.        | 85.0             | 1.          | -1.0  | 601.        |
| 75.0           | 6.          | -3.0  | 608.        | 75.0             | 6.          | -3.0  | 608.        |
| 65.0           | 21.         | -5.0  | 621.        | 65.0             | 21.         | -5.0  | 621.        |
| 55.0           | 73.         | -7.0  | 638.        | 55.0             | 73.         | -7.0  | 638.        |
| 47.5           | 148.        | -9.0  | 660.        | 47.5             | 148.        | -9.0  | 660.        |
| 42.5           | 218.        | -11.0 | 681.        | 42.5             | 218.        | -11.0 | 681.        |
| 37.5           | 308.        | -13.0 | 697.        | 37.5             | 308.        | -13.0 | 697.        |
| 33.0           | 401.        | -15.0 | 705.        | 33.0             | 401.        | -15.0 | 705.        |
| 29.0           | 493.        | -17.0 | 702.        | 29.0             | 493.        | -17.0 | 702.        |
| 25.5           | 571.        | -19.5 | 682.        | 25.5             | 571.        | -19.5 | 682.        |
| 22.5           | 634.        | -22.5 | 634.        | 22.5             | 634.        | -22.5 | 634.        |
| 19.5           | 682.        | -25.5 | 571.        | 19.5             | 682.        | -25.5 | 571.        |
| 17.0           | 702.        | -29.0 | 493.        | 17.0             | 702.        | -29.0 | 493.        |
| 15.0           | 705.        | -33.0 | 401.        | 15.0             | 705.        | -33.0 | 401.        |
| 13.0           | 697.        | -37.5 | 308.        | 13.0             | 697.        | -37.5 | 308.        |
| 11.0           | 681.        | -42.5 | 218.        | 11.0             | 681.        | -42.5 | 218.        |
| 9.0            | 660.        | -47.5 | 148.        | 9.0              | 660.        | -47.5 | 148.        |
| 7.0            | 638.        | -55.0 | 73.         | 7.0              | 638.        | -55.0 | 73.         |
| 5.0            | 621.        | -65.0 | 21.         | 5.0              | 621.        | -65.0 | 21.         |
| 3.0            | 608.        | -75.0 | 6.          | 3.0              | 608.        | -75.0 | 6.          |
| 1.0            | 601.        | -85.0 | 1.          | 1.0              | 601.        | -85.0 | 1.          |
| 0.0            | 601.        | -90.0 | 0.          | 0.0              | 601.        | -90.0 | 0.          |

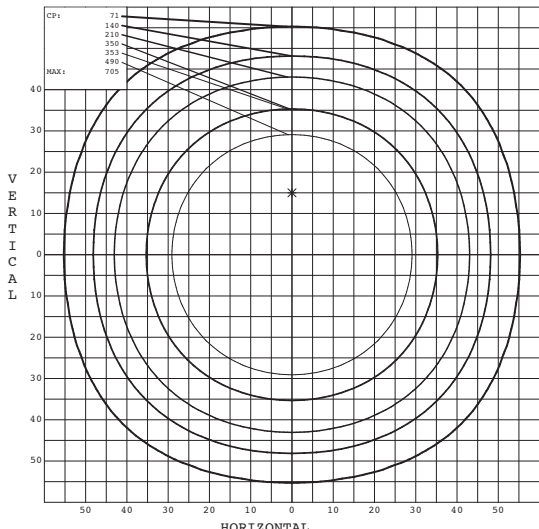
DIRECTIONS IN THIS TABLE REFER TO A HORIZONTALLY ORIENTED POLAR AXIS

INTENSITY TRACES ARE THROUGH THE ORIGIN

MOUNTING HEIGHT FOR ISOFC 20.0 FEET



ISOCANDELA DIAGRAM



LUMEN DISTRIBUTION

|         |       |        |        |         |         |         |         |         |         |        |        |         |
|---------|-------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|---------|
| 0.182   | 0.417 | 0.821  | 1.365  | 1.896   | 2.227   | 2.227   | 1.896   | 1.365   | 0.821   | 0.417  | 0.182  | 13.818  |
| 0.341   | 0.908 | 1.933  | 3.291  | 4.621   | 5.454   | 5.454   | 4.621   | 3.291   | 1.933   | 0.908  | 0.341  | 33.096  |
| 0.584   | 1.677 | 3.635  | 6.264  | 8.938   | 10.655  | 10.655  | 8.938   | 6.264   | 3.635   | 1.677  | 0.584  | 63.506  |
| 0.880   | 2.589 | 5.679  | 10.014 | 14.444  | 17.170  | 17.170  | 14.444  | 10.014  | 5.679   | 2.589  | 0.880  | 101.554 |
| 1.149   | 3.417 | 7.617  | 13.576 | 19.018  | 21.016  | 21.016  | 19.018  | 13.576  | 7.617   | 3.417  | 1.149  | 131.588 |
| 1.310   | 3.913 | 8.812  | 15.658 | 20.380  | 19.628  | 19.628  | 20.380  | 15.658  | 8.812   | 3.913  | 1.310  | 139.402 |
| 1.310   | 3.913 | 8.812  | 15.658 | 20.380  | 19.628  | 19.628  | 20.380  | 15.658  | 8.812   | 3.913  | 1.310  | 139.402 |
| 1.149   | 3.417 | 7.617  | 13.576 | 19.018  | 21.016  | 21.016  | 19.018  | 13.576  | 7.617   | 3.417  | 1.149  | 131.588 |
| 0.880   | 2.589 | 5.679  | 10.014 | 14.444  | 17.170  | 17.170  | 14.444  | 10.014  | 5.679   | 2.589  | 0.880  | 101.554 |
| 0.584   | 1.677 | 3.635  | 6.264  | 8.938   | 10.655  | 10.655  | 8.938   | 6.264   | 3.635   | 1.677  | 0.584  | 63.506  |
| 0.341   | 0.908 | 1.933  | 3.291  | 4.621   | 5.454   | 5.454   | 4.621   | 3.291   | 1.933   | 0.908  | 0.341  | 33.096  |
| 0.182   | 0.417 | 0.821  | 1.365  | 1.896   | 2.227   | 2.227   | 1.896   | 1.365   | 0.821   | 0.417  | 0.182  | 13.818  |
| COL SUM | 8.891 | 25.844 | 56.994 | 100.338 | 138.594 | 152.302 | 152.302 | 138.594 | 100.338 | 56.994 | 25.844 | 8.891   |



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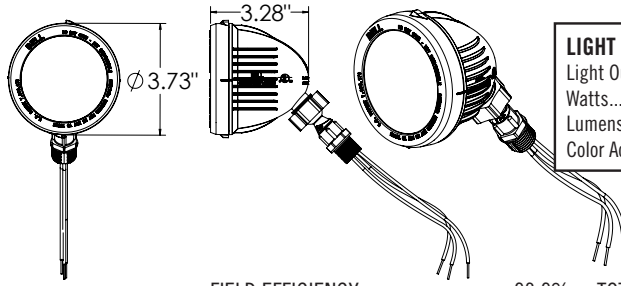
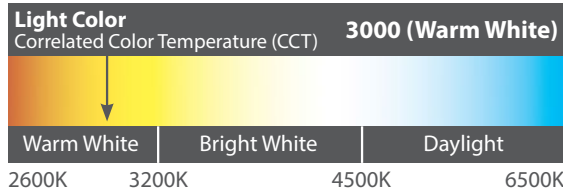
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| LL1000W  | 13W / 1000 Lumen Warm White | White  | Clear Box | 4         | 050169917565 | 50050169917560 |
| LL1000Z  | 13W / 1000 Lumen Warm White | Bronze | Clear Box | 4         | 050169917572 | 50050169917577 |



| LIGHT SPECIFICATIONS                       |      |
|--|------|
| Light Output (Lumens)                      | 997  |
| Watts                                      | 13.3 |
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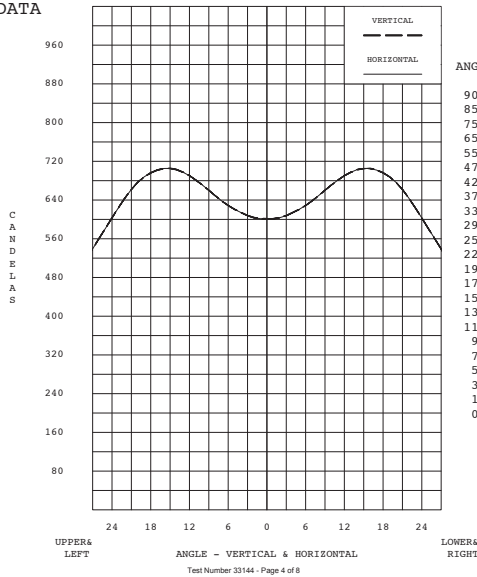
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|   |  |                            |                                     |
|---|--|----------------------------|-------------------------------------|
| FIELD ANGLE.....110.6H X 110.6V<br>(BASED ON 10% OF MAX. CP.) | MAX. INTENSITY<br>(CANDLEPOWER) ..... 705 Candelas | FIELD EFFICIENCY.....93.9% | TOTAL EFFICIENCY.....100.0%         |
| BEAM ANGLE .....70.5H X 70.5V<br>(BASED ON 50% OF MAX. CP.)   | ANGLE OF BEAM FROM AXIS ..... 15.0°                | BEAM LUMENS.....652 Lms.   | SPILL LIGHT LUMENS.....60.0 Lms.    |
| IESNA & NEMA TYP ..... 6H X 6V                                | BEAM IS SYMMETRIC ABOUT FLOODLIGHT AXIS            | BEAM EFFICIENCY .....66.5% | EFFICACY (LUMENS PER WATT).....73.7 |
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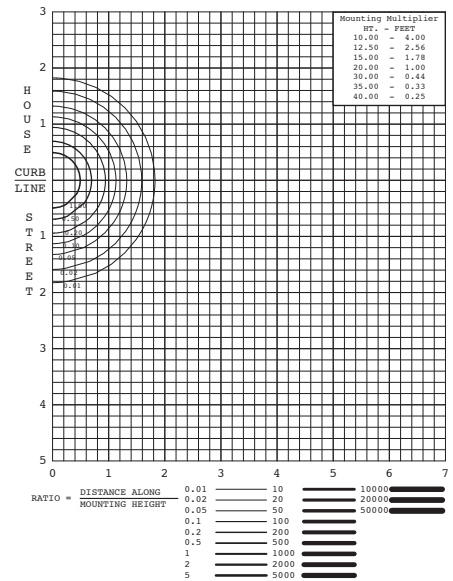
INTENSITY (CANDLEPOWER) CANDELAS

| VERTICAL TRACE |             |       |             | HORIZONTAL TRACE |             |       |             |
|----------------|-------------|-------|-------------|------------------|-------------|-------|-------------|
| ANGLE          | CANDLEPOWER | ANGLE | CANDLEPOWER | ANGLE            | CANDLEPOWER | ANGLE | CANDLEPOWER |
| 90.0           | 0.          | 0.0   | 601.        | 90.0             | 0.          | 0.0   | 601.        |
| 85.0           | 1.          | -1.0  | 601.        | 85.0             | 1.          | -1.0  | 601.        |
| 75.0           | 6.          | -3.0  | 608.        | 75.0             | 6.          | -3.0  | 608.        |
| 65.0           | 21.         | -5.0  | 621.        | 65.0             | 21.         | -5.0  | 621.        |
| 55.0           | 73.         | -7.0  | 638.        | 55.0             | 73.         | -7.0  | 638.        |
| 47.5           | 148.        | -9.0  | 660.        | 47.5             | 148.        | -9.0  | 660.        |
| 42.5           | 218.        | -11.0 | 681.        | 42.5             | 218.        | -11.0 | 681.        |
| 37.5           | 308.        | -13.0 | 697.        | 37.5             | 308.        | -13.0 | 697.        |
| 33.0           | 401.        | -15.0 | 705.        | 33.0             | 401.        | -15.0 | 705.        |
| 29.0           | 493.        | -17.0 | 702.        | 29.0             | 493.        | -17.0 | 702.        |
| 25.5           | 571.        | -19.5 | 682.        | 25.5             | 571.        | -19.5 | 682.        |
| 22.5           | 634.        | -22.5 | 634.        | 22.5             | 634.        | -22.5 | 634.        |
| 19.5           | 682.        | -25.5 | 571.        | 19.5             | 682.        | -25.5 | 571.        |
| 17.0           | 702.        | -29.0 | 493.        | 17.0             | 702.        | -29.0 | 493.        |
| 15.0           | 705.        | -33.0 | 401.        | 15.0             | 705.        | -33.0 | 401.        |
| 13.0           | 697.        | -37.5 | 308.        | 13.0             | 697.        | -37.5 | 308.        |
| 11.0           | 681.        | -42.5 | 218.        | 11.0             | 681.        | -42.5 | 218.        |
| 9.0            | 660.        | -47.5 | 148.        | 9.0              | 660.        | -47.5 | 148.        |
| 7.0            | 638.        | -55.0 | 73.         | 7.0              | 638.        | -55.0 | 73.         |
| 5.0            | 621.        | -65.0 | 21.         | 5.0              | 621.        | -65.0 | 21.         |
| 3.0            | 608.        | -75.0 | 6.          | 3.0              | 608.        | -75.0 | 6.          |
| 1.0            | 601.        | -85.0 | 1.          | 1.0              | 601.        | -85.0 | 1.          |
| 0.0            | 601.        | -90.0 | 0.          | 0.0              | 601.        | -90.0 | 0.          |

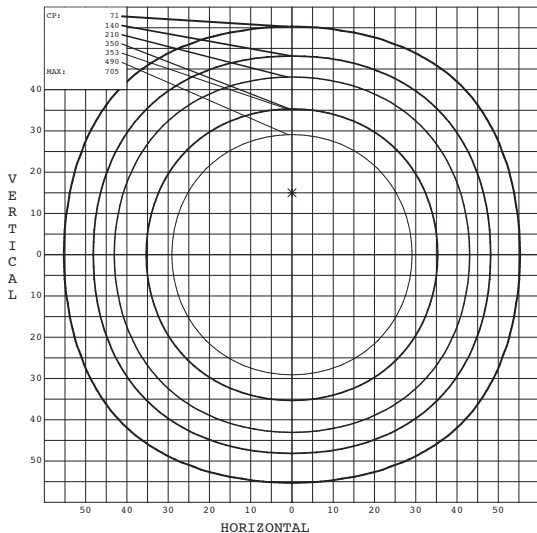
DIRECTIONS IN THIS TABLE REFER TO A HORIZONTALLY ORIENTED POLAR AXIS

INTENSITY TRACES ARE THROUGH THE ORIGIN

MOUNTING HEIGHT FOR ISOFC 20.0 FEET



ISOCANDELA DIAGRAM



LUMEN DISTRIBUTION

| LUMEN DISTRIBUTION |       |        |        |         |         |         |         |         |         |        |        |         |
|--------------------|-------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|---------|
| 0.182              | 0.417 | 0.821  | 1.365  | 1.896   | 2.227   | 2.227   | 1.896   | 1.365   | 0.821   | 0.417  | 0.182  | 13,818  |
| 0.341              | 0.908 | 1.933  | 3.291  | 4.621   | 5.454   | 5.454   | 4.621   | 3.291   | 1.933   | 0.908  | 0.341  | 33,096  |
| 0.584              | 1.677 | 3.635  | 6.264  | 8.938   | 10.655  | 10.655  | 8.938   | 6.264   | 3.635   | 1.677  | 0.584  | 63,506  |
| 0.880              | 2.589 | 5.679  | 10.014 | 14.444  | 17.170  | 17.170  | 14.444  | 10.014  | 5.679   | 2.589  | 0.880  | 101,554 |
| 1.149              | 3.417 | 7.617  | 13.576 | 19.018  | 21.016  | 21.016  | 19.018  | 13.576  | 7.617   | 3.417  | 1.149  | 131,588 |
| 1.310              | 3.913 | 8.812  | 15.658 | 20.380  | 19.628  | 19.628  | 20.380  | 15.658  | 8.812   | 3.913  | 1.310  | 139,402 |
| 1.310              | 3.913 | 8.812  | 15.658 | 20.380  | 19.628  | 19.628  | 20.380  | 15.658  | 8.812   | 3.913  | 1.310  | 139,402 |
| 1.149              | 3.417 | 7.617  | 13.576 | 19.018  | 21.016  | 21.016  | 19.018  | 13.576  | 7.617   | 3.417  | 1.149  | 131,588 |
| 0.880              | 2.589 | 5.679  | 10.014 | 14.444  | 17.170  | 17.170  | 14.444  | 10.014  | 5.679   | 2.589  | 0.880  | 101,554 |
| 0.584              | 1.677 | 3.635  | 6.264  | 8.938   | 10.655  | 10.655  | 8.938   | 6.264   | 3.635   | 1.677  | 0.584  | 63,506  |
| 0.341              | 0.908 | 1.933  | 3.291  | 4.621   | 5.454   | 5.454   | 4.621   | 3.291   | 1.933   | 0.908  | 0.341  | 33,096  |
| 0.182              | 0.417 | 0.821  | 1.365  | 1.896   | 2.227   | 2.227   | 1.896   | 1.365   | 0.821   | 0.417  | 0.182  | 13,818  |
| COL SUM            | 8.891 | 25.844 | 56.994 | 100.338 | 138.594 | 152.302 | 152.302 | 138.594 | 100.338 | 56.994 | 25.844 | 8.891   |



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