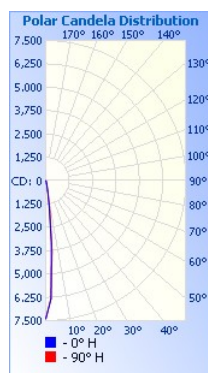


# ZANIBONI<sup>®</sup> LIGHTING

**Filename:** D1-LUNA1-0730C-SC-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D1-LUNA1-0730C-SC-WS-Z-0  
**Luminaire Cat:** D1-LUNA1-0730C-SC-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 10 DEGREE  
**Lamp Output:** Total luminaire Lumens: 354.3  
**Max Candela:** 7,426.4 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 1.18")  
**Test:** LUNA 1 V3 357mA 17.8V  
**Test Lab:** Zaniboni Light  
**Photometry :** Type C  
**Nema Type:** 2 X 2



## Roadway Summary

|                        |             |
|------------------------|-------------|
| Cutoff Classification: | N/A         |
| Distribution:          | Type VS     |
| Max Cd, 90 Deg Vert:   | 0.3         |
| Max Cd, 80 to <90 Deg: | 0           |
| Lumens % Lamp          |             |
| Downward Street Side:  | 172.2 48.6% |
| Downward House Side:   | 189.2 53.4% |
| Downward Total:        | 361.4 102%  |
| Total Lumens:          | 361.4 102%  |

## Flood Summary

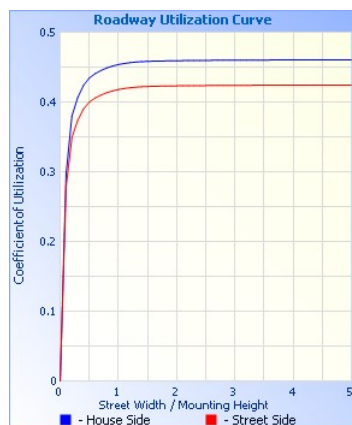
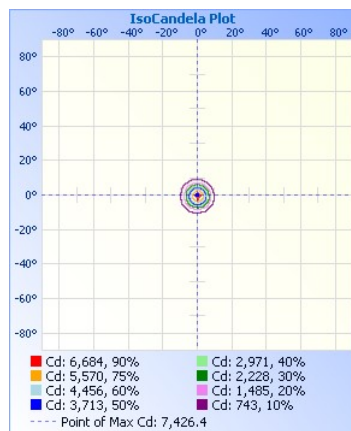
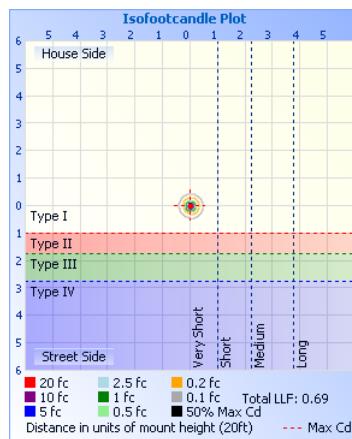
|              | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|--------------|------------|--------|-------------------|-----------------|
| Field (10%): | 68.3%      | 241.8  | 19.1              | 19.3            |
| Beam (50%):  | 33.5%      | 118.8  | 9.9               | 10.1            |
| Total:       | 101.8%     | 360.8  |                   |                 |

## Zonal Lumen Summary

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30  | 323.5  | 91.3%       |
| 0-40  | 339.8  | 95.9%       |
| 0-60  | 351.3  | 99.2%       |
| 60-90 | 3.0    | 0.8%        |
| 0-90  | 354.3  | 100%        |

## Lumens Per Zone

| Zone  | Lumens | % Total |
|-------|--------|---------|
| 0-10  | 241.5  | 68.2%   |
| 10-20 | 58.4   | 16.5%   |
| 20-30 | 23.6   | 6.7%    |
| 30-40 | 16.3   | 4.6%    |
| 40-50 | 10.1   | 2.8%    |
| 50-60 | 1.5    | 0.4%    |
| 60-70 | 1.6    | 0.5%    |
| 70-80 | 1.0    | 0.3%    |
| 80-90 | 0.3    | 0.1%    |



|       | Center Beam fc | Beam Width    |
|-------|----------------|---------------|
| 5.0R  | 297 fc         | 0.9 ft 0.9 ft |
| 10.0R | 74.3 fc        | 1.8 ft 1.7 ft |
| 15.0R | 33.0 fc        | 2.6 ft 2.6 ft |
| 20.0R | 18.6 fc        | 3.5 ft 3.5 ft |
| 25.0R | 11.9 fc        | 4.4 ft 4.3 ft |
| 30.0R | 8.25 fc        | 5.3 ft 5.2 ft |

Vert. Spread: 10.1°  
 Horiz. Spread: 9.9°

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RCC %: | 80   |      |      |      | 70   |      |      |      | 50   |      |      |      | 30   |      |      |      | 10   |      |      |      | 0   |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| RW %:  | 20   | 50   | 30   | 0    | 20   | 50   | 30   | 0    | 50   | 30   | 20   | 0    | 50   | 30   | 20   | 0    | 50   | 30   | 20   | 0    | 0   |
| RCC: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.02 | 1.00 |     |
| 1      | 1.16 | 1.14 | 1.12 | 1.10 | 1.13 | 1.12 | 1.10 | .98  | 1.08 | 1.06 | 1.05 |      | 1.04 | 1.03 | 1.02 |      | 1.01 | 1.00 | .99  |      | .98 |
| 2      | 1.12 | 1.09 | 1.07 | 1.04 | 1.10 | 1.08 | 1.05 | .96  | 1.04 | 1.03 | 1.01 |      | 1.02 | 1.00 | .99  |      | .99  | .98  | .97  |      | .95 |
| 3      | 1.10 | 1.05 | 1.02 | 1.00 | 1.08 | 1.04 | 1.01 | .94  | 1.02 | .99  | .98  |      | 1.00 | .98  | .96  |      | .97  | .96  | .95  |      | .93 |
| 4      | 1.07 | 1.02 | .99  | .96  | 1.05 | 1.01 | .98  | .92  | .99  | .97  | .95  |      | .98  | .95  | .94  |      | .96  | .94  | .93  |      | .92 |
| 5      | 1.05 | 1.00 | .96  | .94  | 1.03 | .99  | .96  | .91  | .97  | .95  | .93  |      | .96  | .94  | .92  |      | .95  | .93  | .91  |      | .90 |
| 6      | 1.03 | .97  | .94  | .91  | 1.01 | .97  | .93  | .89  | .95  | .93  | .91  |      | .94  | .92  | .90  |      | .93  | .91  | .90  |      | .89 |
| 7      | 1.01 | .95  | .92  | .90  | 1.00 | .95  | .92  | .88  | .94  | .91  | .89  |      | .93  | .90  | .89  |      | .92  | .90  | .88  |      | .87 |
| 8      | .99  | .94  | .90  | .88  | .98  | .93  | .90  | .87  | .92  | .89  | .87  |      | .91  | .89  | .87  |      | .91  | .89  | .87  |      | .86 |
| 9      | .97  | .92  | .89  | .87  | .97  | .92  | .89  | .86  | .91  | .88  | .86  |      | .90  | .88  | .86  |      | .90  | .87  | .86  |      | .85 |
| 10     | .96  | .91  | .87  | .85  | .95  | .90  | .87  | .85  | .90  | .87  | .85  |      | .89  | .87  | .85  |      | .89  | .86  | .85  |      | .84 |

Candela Table - Type C

|      | 0    | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  | 360  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0    | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 | 7426 |
| 2.5  | 6355 | 6317 | 6301 | 6289 | 6286 | 6288 | 6296 | 6303 | 6319 | 6334 | 6354 | 6377 | 6404 | 6438 | 6473 | 6506 | 6538 | 6555 | 6570 | 6582 | 6579 | 6570 | 6555 | 6535 | 6504 | 6468 | 6428 | 6384 | 6342 | 6293 | 6240 | 6203 | 6171 | 6148 | 6132 | 6127 | 6355 |
| 5    | 3394 | 3411 | 3444 | 3487 | 3540 | 3601 | 3662 | 3721 | 3778 | 3827 | 3876 | 3917 | 3954 | 3985 | 4012 | 4037 | 4057 | 4064 | 4050 | 4017 | 3967 | 3911 | 3843 | 3773 | 3702 | 3631 | 3558 | 3481 | 3408 | 3339 | 3284 | 3245 | 3231 | 3227 | 3236 | 3252 | 3394 |
| 7.5  | 1359 | 1377 | 1407 | 1442 | 1481 | 1523 | 1561 | 1598 | 1633 | 1661 | 1684 | 1700 | 1714 | 1727 | 1734 | 1739 | 1741 | 1731 | 1706 | 1670 | 1624 | 1574 | 1527 | 1478 | 1428 | 1379 | 1331 | 1289 | 1256 | 1228 | 1211 | 1202 | 1205 | 1214 | 1230 | 1250 | 1359 |
| 10   | 555  | 562  | 573  | 587  | 603  | 619  | 637  | 653  | 670  | 683  | 692  | 701  | 708  | 714  | 717  | 717  | 712  | 700  | 679  | 653  | 626  | 601  | 580  | 560  | 541  | 525  | 512  | 499  | 487  | 478  | 472  | 470  | 472  | 475  | 481  | 488  | 555  |
| 12.5 | 245  | 250  | 253  | 255  | 259  | 263  | 266  | 271  | 278  | 283  | 290  | 295  | 299  | 301  | 301  | 301  | 298  | 291  | 281  | 272  | 264  | 257  | 251  | 245  | 238  | 230  | 223  | 216  | 209  | 204  | 200  | 199  | 200  | 203  | 207  | 213  | 245  |
| 15   | 144  | 145  | 146  | 147  | 148  | 149  | 149  | 148  | 150  | 152  | 153  | 154  | 156  | 157  | 157  | 158  | 157  | 155  | 154  | 152  | 149  | 148  | 147  | 145  | 141  | 136  | 133  | 130  | 128  | 126  | 125  | 123  | 123  | 124  | 127  | 129  | 144  |
| 30   | 27   | 26   | 25   | 25   | 25   | 25   | 25   | 25   | 26   | 26   | 26   | 26   | 27   | 27   | 27   | 27   | 27   | 28   | 28   | 27   | 26   | 25   | 25   | 24   | 24   | 24   | 24   | 25   | 25   | 25   | 24   | 25   | 25   | 25   | 25   | 25   | 27   |
| 60   | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 1    | 2    | 1    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 1    | 2    |
| 90   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 1 V3 357mA 17.8V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 4/30/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D1-LUNA1-0730C-SC-WS-Z-0  
[LUMINAIRE] D1-LUNA1-0730C-SC-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 10 DEGREE

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 37  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: METRIC  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.