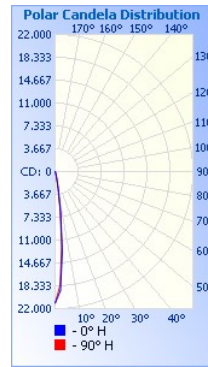


# ZANIBONI® LIGHTING

**Filename:** D3-LU4OS-1830C-SS-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D3-LU4OS-1830C-SS-WS-Z-0  
**Luminaire Cat:** D3-LU4OS-1830C-SS-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 10 DEGREE SOLITE FILM  
**Lamp Output:** Total luminaire Lumens: 1257.5  
**Max Candela:** 21,090.3 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 2.76")  
**Test:** LUNA 4OS V8 516mA 38.17V  
**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:   | 0.6            |
| Max Cd, 80 to <90 Deg: | 0              |
| Lumens % Lamp          |                |
| Downward Street Side:  | 639.8 50.9%    |
| Downward House Side:   | 640.0 50.9%    |
| Downward Total:        | 1,279.8 101.8% |
| Total Lumens:          | 1,279.8 101.8% |

## Flood Summary

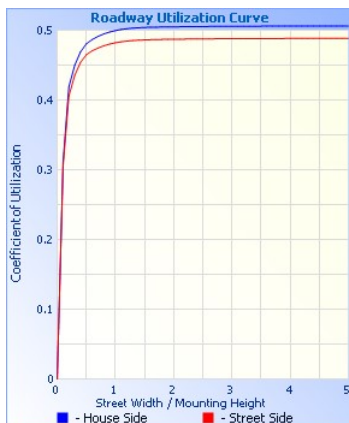
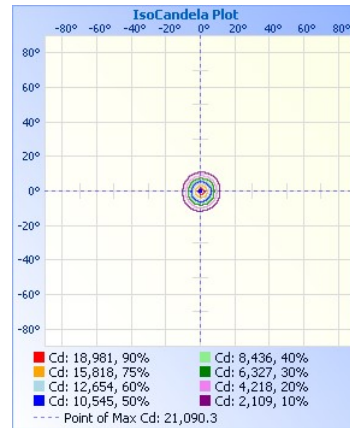
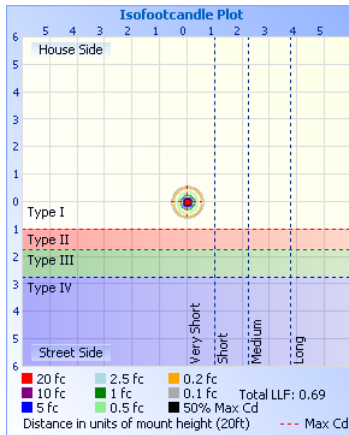
|              | Efficiency | Lumens  | Horizontal Spread | Vertical Spread |
|--------------|------------|---------|-------------------|-----------------|
| Field (10%): | 71.1%      | 894.0   | 21.7              | 22.5            |
| Beam (50%):  | 35.8%      | 450.6   | 11.5              | 11.9            |
| Total:       | 101.6%     | 1,277.9 |                   |                 |

## Zonal Lumen Summary

| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30  | 1,168.8 | 92.9%       |
| 0-40  | 1,215.5 | 96.7%       |
| 0-60  | 1,249.1 | 99.3%       |
| 60-90 | 8.5     | 0.7%        |
| 0-90  | 1,257.5 | 100%        |

## Lumens Per Zone

| Zone  | Lumens | % Total |
|-------|--------|---------|
| 0-10  | 849.0  | 67.5%   |
| 10-20 | 240.7  | 19.1%   |
| 20-30 | 79.1   | 6.3%    |
| 30-40 | 46.7   | 3.7%    |
| 40-50 | 29.1   | 2.3%    |
| 50-60 | 4.5    | 0.4%    |
| 60-70 | 5.0    | 0.4%    |
| 70-80 | 3.0    | 0.2%    |
| 80-90 | 0.5    | 0.0%    |



|       | Center Beam fc | Beam Width    |
|-------|----------------|---------------|
| 5.0R  | 844 fc         | 1.0 ft 1.0 ft |
| 10.0R | 211 fc         | 2.1 ft 2.0 ft |
| 15.0R | 93.7 fc        | 3.1 ft 3.0 ft |
| 20.0R | 52.7 fc        | 4.2 ft 4.0 ft |
| 25.0R | 33.7 fc        | 5.2 ft 5.0 ft |
| 30.0R | 23.4 fc        | 6.3 ft 6.0 ft |

Vert. Spread: 11.9°  
 Horiz. Spread: 11.5°

## Coefficients Of Utilization - Zonal Cavity Method

|   |                  |
|---|------------------|
| Effective Floor Cavity Reflectance: 20% |                  |
| RCC %:                                  | 80 70 50 30 10 0 |

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

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   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0    | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 | 21090 |
| 2.5  | 19096 | 18897 | 18736 | 18589 | 18466 | 18359 | 18280 | 18231 | 18200 | 18192 | 18204 | 18227 | 18265 | 18306 | 18362 | 18416 | 18467 | 18510 | 18545 | 18580 | 18596 | 18610 | 18620 | 18630 | 18638 | 18648 | 18657 | 18667 | 18672 | 18671 | 18651 |
| 5    | 12967 | 12696 | 12476 | 12278 | 12103 | 11972 | 11890 | 11856 | 11863 | 11913 | 12000 | 12108 | 12224 | 12350 | 12466 | 12570 | 12647 | 12698 | 12730 | 12761 | 12770 | 12776 | 12781 | 12784 | 12789 | 12805 | 12837 | 12877 | 12915 | 12943 | 12954 |
| 7.5  | 6830  | 6609  | 6403  | 6220  | 6081  | 5977  | 5907  | 5884  | 5908  | 5962  | 6057  | 6186  | 6338  | 6485  | 6616  | 6719  | 6790  | 6816  | 6810  | 6779  | 6728  | 6671  | 6615  | 6579  | 6574  | 6587  | 6614  | 6659  | 6716  | 6781  | 6835  |
| 10   | 3053  | 2903  | 2765  | 2651  | 2560  | 2496  | 2459  | 2442  | 2445  | 2475  | 2533  | 2610  | 2709  | 2816  | 2916  | 2992  | 3037  | 3040  | 3015  | 2970  | 2915  | 2863  | 2827  | 2798  | 2784  | 2787  | 2809  | 2843  | 2896  | 2956  | 3022  |
| 12.5 | 1256  | 1179  | 1114  | 1058  | 1017  | 991   | 971   | 962   | 958   | 965   | 979   | 1007  | 1049  | 1100  | 1153  | 1193  | 1210  | 1200  | 1173  | 1134  | 1099  | 1071  | 1056  | 1053  | 1058  | 1065  | 1080  | 1096  | 1122  | 1160  | 1204  |
| 15   | 595   | 560   | 531   | 510   | 496   | 489   | 485   | 483   | 477   | 472   | 471   | 477   | 489   | 509   | 533   | 552   | 560   | 548   | 528   | 508   | 493   | 485   | 484   | 489   | 498   | 504   | 505   | 508   | 515   | 531   | 550   |
| 30   | 73    | 71    | 70    | 70    | 70    | 70    | 71    | 71    | 72    | 73    | 74    | 75    | 76    | 77    | 79    | 80    | 80    | 80    | 79    | 77    | 76    | 75    | 74    | 74    | 74    | 73    | 73    | 72    | 72    | 72    | 71    |
| 60   | 6     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 5     |
| 90   | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 4OS V8 516mA 38.17V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/6/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D3-LU4OS-1830C-SS-WS-Z-0  
[LUMINAIRE] D3-LU4OS-1830C-SS-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 10 DEGREE SOLITE FILM

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

Photometrics Pro 1.3.29 copyright 2003-2025 by jSolutions, Inc.  
Reported data calculated from manufacturer's data file, based on IES recommended methods.