

**Filename: D1-LUNA1-0730C-3F-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: D1-LUNA1-0730C-3F-WS-Z-0

Luminaire Cat: D1-LUNA1-0730C-3F-WS-Z-0

Lamp: WHITE 3K 90 CRI 36 DEGREE FROSTED FILM

Lamp Output: Total luminaire Lumens: 600

Max Candela: 505.9 at Horizontal: 0°, Vertical: 0°

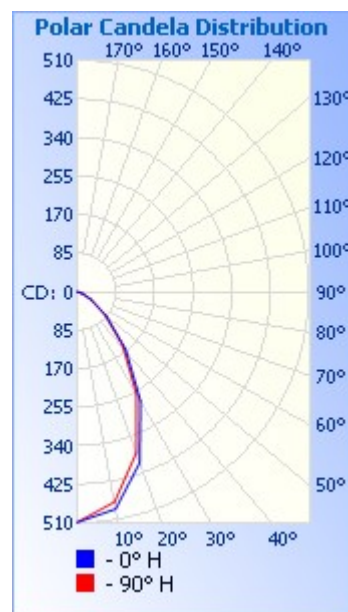
Luminous Opening: Circular (Dia: 1.18")

Test: LUNA 1 V6 357mA 17.8V

Test Lab: Zaniboni Light

Photometry : Type C

Nema Type: 6 X 6

**Roadway Summary**

| | |
|------------------------|---------------|
| Cutoff Classification: | CUTOFF |
| Distribution: | Type VS |
| Max Cd, 90 Deg Vert: | 0.2 |
| Max Cd, 80 to <90 Deg: | 1.6 |
| | Lumens % Lamp |
| Downward Street Side: | 312.3 52.1% |
| Downward House Side: | 291.0 48.5% |
| Downward Total: | 603.4 100.6% |
| Total Lumens: | 603.4 100.6% |

Flood Summary

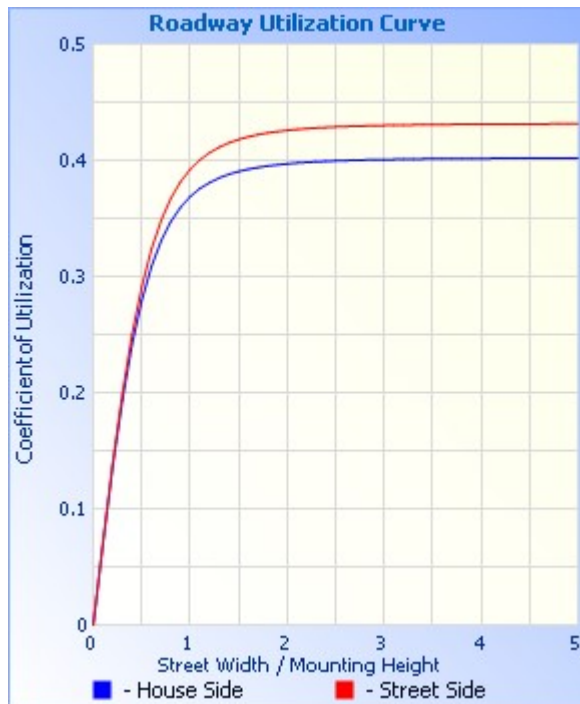
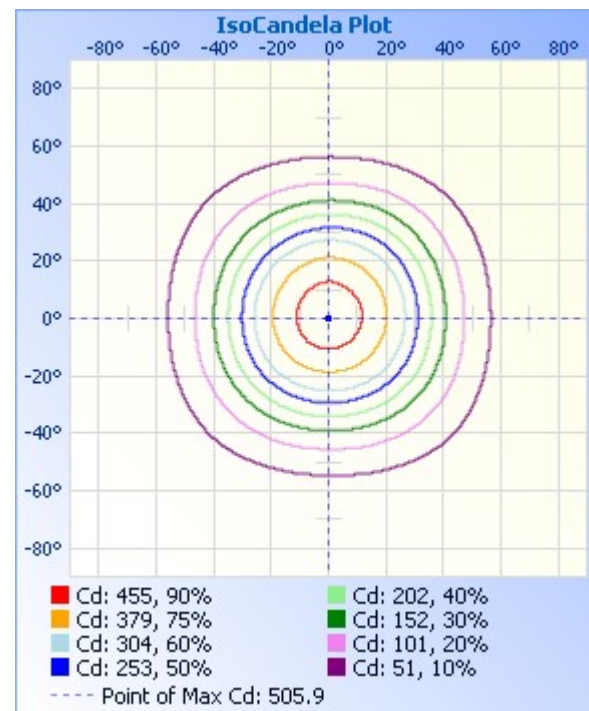
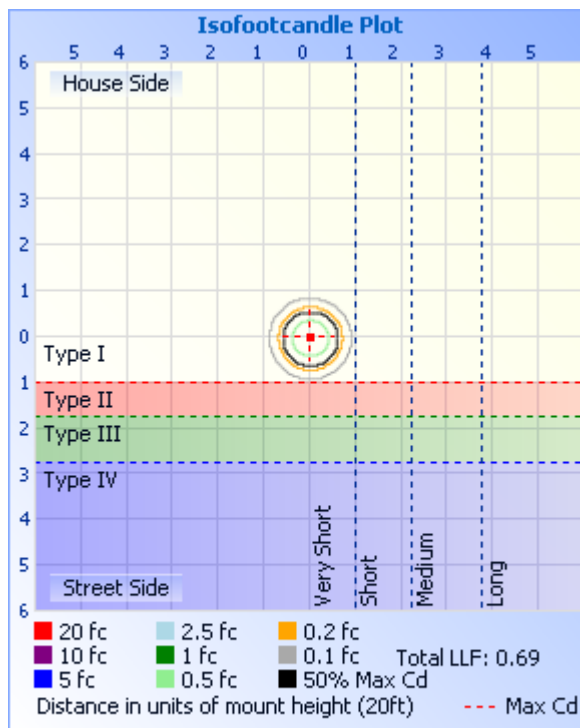
| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|--------------|------------|--------|-------------------|-----------------|
| Field (10%): | 93% | 558.0 | 112.4 | 111 |
| Beam (50%): | 53% | 318.3 | 61.2 | 61.1 |
| Total: | 100.5% | 603.1 | | |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30 | 308.4 | 51.4% |
| 0-40 | 435.4 | 72.6% |
| 0-60 | 571.4 | 95.2% |
| 60-90 | 28.7 | 4.8% |
| 0-90 | 600.0 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total |
|-------|--------|---------|
| 0-10 | 45.6 | 7.6% |
| 10-20 | 117.9 | 19.7% |
| 20-30 | 144.8 | 24.1% |
| 30-40 | 127.1 | 21.2% |
| 40-50 | 87.5 | 14.6% |
| 50-60 | 48.4 | 8.1% |
| 60-70 | 21.5 | 3.6% |
| 70-80 | 6.5 | 1.1% |
| 80-90 | 0.7 | 0.1% |



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 | 10 | 50 | 30 | 20 | 10 | 50 | 30 | 20 | 10 | 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 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.12 | 1.09 | 1.06 | 1.03 | 1.10 | 1.07 | 1.04 | .91 | 1.03 | 1.00 | .98 | .99 | .97 | .95 | .95 | .94 | .93 | .93 | .93 | .93 | .91 |
| 2 | 1.05 | .99 | .94 | .90 | 1.03 | .97 | .93 | .82 | .94 | .90 | .87 | .91 | .88 | .85 | .88 | .86 | .83 | .83 | .83 | .83 | .81 |
| 3 | .98 | .90 | .84 | .80 | .96 | .89 | .83 | .74 | .86 | .81 | .78 | .84 | .80 | .76 | .81 | .78 | .75 | .75 | .75 | .75 | .73 |

| | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4 | .92 | .83 | .76 | .71 | .90 | .82 | .75 | .68 | .79 | .74 | .70 | .77 | .73 | .69 | .75 | .71 | .68 | .66 |
| 5 | .86 | .76 | .69 | .64 | .84 | .75 | .69 | .62 | .73 | .67 | .63 | .71 | .66 | .62 | .70 | .65 | .62 | .60 |
| 6 | .81 | .70 | .63 | .58 | .79 | .69 | .63 | .56 | .68 | .62 | .57 | .66 | .61 | .57 | .65 | .60 | .57 | .55 |
| 7 | .76 | .65 | .58 | .53 | .75 | .64 | .58 | .52 | .63 | .57 | .53 | .62 | .56 | .52 | .61 | .56 | .52 | .50 |
| 8 | .72 | .61 | .54 | .49 | .70 | .60 | .53 | .48 | .59 | .53 | .48 | .58 | .52 | .48 | .57 | .52 | .48 | .46 |
| 9 | .68 | .57 | .50 | .45 | .67 | .56 | .49 | .44 | .55 | .49 | .45 | .54 | .49 | .45 | .53 | .48 | .44 | .43 |
| 10 | .64 | .53 | .46 | .42 | .63 | .53 | .46 | .41 | .52 | .46 | .42 | .51 | .45 | .42 | .50 | .45 | .41 | .40 |

Candela Table - Type C

| | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 | 506 |
| 10 | 484 | 479 | 473 | 469 | 464 | 461 | 458 | 459 | 462 | 467 | 472 | 476 | 484 |
| 20 | 399 | 391 | 383 | 377 | 371 | 365 | 361 | 363 | 370 | 378 | 387 | 393 | 399 |
| 30 | 277 | 268 | 262 | 258 | 251 | 244 | 240 | 245 | 254 | 260 | 268 | 276 | 277 |
| 40 | 165 | 159 | 157 | 154 | 147 | 140 | 137 | 142 | 151 | 155 | 159 | 166 | 165 |
| 50 | 83 | 81 | 80 | 79 | 73 | 68 | 67 | 71 | 77 | 78 | 80 | 84 | 83 |
| 60 | 35 | 35 | 35 | 34 | 31 | 29 | 28 | 30 | 33 | 33 | 34 | 35 | 35 |
| 70 | 11 | 12 | 12 | 12 | 11 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| 80 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 1 V6 357mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/26/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-3F-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-3F-WS-Z-0
[LAMP] WHITE 3K 90 CRI 36 DEGREE FROSTED FILM

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 13
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.