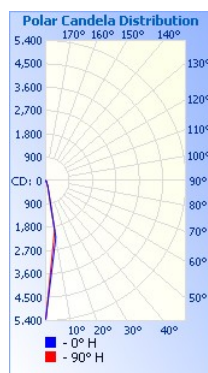


ZANIBONI® LIGHTING

Filename: D1-LUNA1-0730C-1C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D1-LUNA1-0730C-1C-WS-Z-0
Luminaire Cat: D1-LUNA1-0730C-1C-WS-Z-0
Lamp: WHITE 3K 90 CRI 15 DEGREE
Lamp Output: Total luminaire Lumens: 652.5
Max Candela: 5,360.7 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: 3 X 3



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	1.2
Lumens % Lamp	
Downward Street Side:	357.4 54.8%
Downward House Side:	337.9 51.8%
Downward Total:	695.2 106.6%
Total Lumens:	695.2 106.6%

Flood Summary

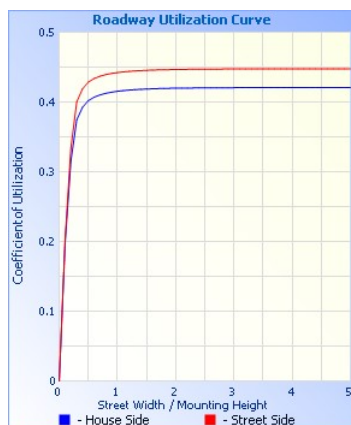
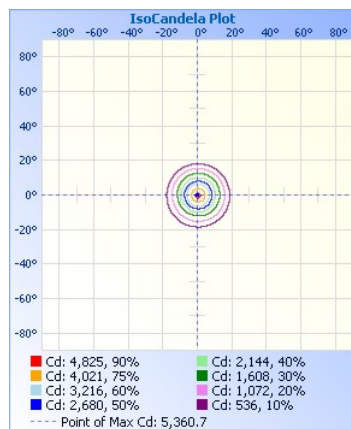
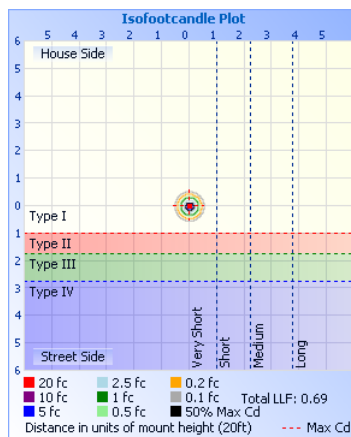
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	85.9%	560.4	36.4	36.5
Beam (50%):	33.1%	215.8	16.1	16.3
Total:	106.3%	693.8		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	608.4	93.2%
0-40	628.8	96.4%
0-60	646.8	99.1%
60-90	5.7	0.9%
0-90	652.5	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	274.4	42.0%
10-20	277.4	42.5%
20-30	56.6	8.7%
30-40	20.4	3.1%
40-50	11.1	1.7%
50-60	6.9	1.1%
60-70	3.6	0.6%
70-80	1.5	0.2%
80-90	0.6	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	21.4 fc	1.4 ft 1.4 ft
10.0R	53.6 fc	2.9 ft 2.8 ft
15.0R	23.8 fc	4.3 ft 4.2 ft
20.0R	13.4 fc	5.7 ft 5.7 ft
25.0R	8.58 fc	7.1 ft 7.1 ft
30.0R	5.96 fc	8.6 ft 8.5 ft
Vert. Spread: 16.3°		
Horiz. Spread: 16.1°		

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	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.06	1.04		1.03	1.02	1.01		1.00	.99	.98		.97
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.94	1.03	1.01	.99		1.00	.98	.97		.97	.96	.95		.94
3	1.08	1.03	1.00	.97	1.06	1.02	.99	.91	1.00	.97	.95		.97	.95	.93		.95	.93	.92		.91
4	1.05	1.00	.96	.93	1.03	.98	.95	.89	.96	.94	.91		.95	.92	.90		.93	.91	.89		.88
5	1.02	.96	.92	.89	1.00	.95	.92	.86	.94	.91	.88		.92	.89	.87		.91	.89	.87		.86
6	.99	.93	.89	.86	.98	.92	.89	.84	.91	.88	.85		.90	.87	.85		.89	.86	.84		.83
7	.97	.90	.86	.84	.96	.90	.86	.82	.89	.85	.83		.88	.85	.83		.87	.84	.82		.81
8	.94	.88	.84	.81	.93	.87	.84	.80	.87	.83	.81		.86	.83	.81		.85	.82	.80		.79
9	.92	.86	.82	.79	.91	.85	.82	.78	.85	.81	.79		.84	.81	.79		.83	.80	.78		.78
10	.90	.84	.80	.77	.89	.83	.80	.77	.83	.79	.77		.82	.79	.77		.81	.79	.77		.76

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	3
0	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5361	5
10	2217	2199	2174	2147	2115	2083	2052	2015	1979	1949	1921	1898	1883	1875	1870	1870	1871	1881	1897	1913	1932	1953	1979	2007	2035	2060	2086	2112	2136	2159	2184	2208	2221	2
20	215	213	211	210	209	208	207	205	204	202	201	201	201	202	203	205	206	208	210	213	216	219	221	222	223	223	223	222	220	218	219	219	219	
30	49	48	48	48	47	47	47	46	46	45	45	45	46	46	46	47	47	47	48	48	48	49	49	49	48	48	48	47	47	48	48	49	49	
40	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
50	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
60	5	6	6	6	6	5	6	5	5	5	5	5	5	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
70	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	2	2	2	2	2	2	2	2	
80	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
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	

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 1 V6 357mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 4/3/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-1C-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-1C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 15 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.