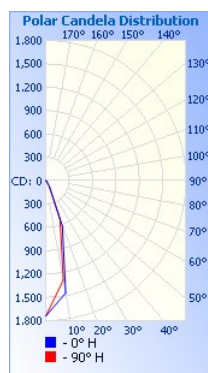


ZANIBONI® LIGHTING

Filename: D1-LUNA1-0730C-3C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D1-LUNA1-0730C-3C-WS-Z-0
Luminaire Cat: D1-LUNA1-0730C-3C-WS-Z-0
Lamp: WHITE 3K 90 CRI 36 DEGREE
Lamp Output: Total luminaire Lumens: 653.7
Max Candela: 1,746.6 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: 4 X 4



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	1.0
Lumens % Lamp	
Downward Street Side:	330.3 50.5%
Downward House Side:	336.7 51.5%
Downward Total:	667.1 102%
Total Lumens:	667.1 102%

Flood Summary

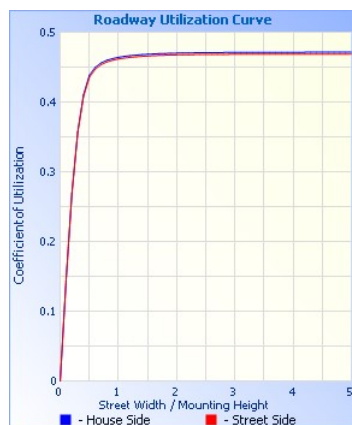
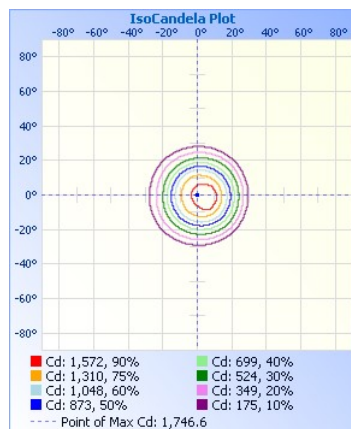
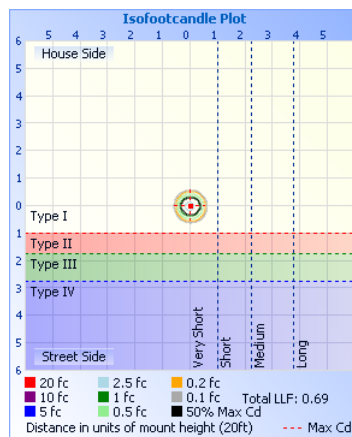
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	89.7%	586.1	57	57.1
Beam (50%):	55.7%	364.2	34.4	34.3
Total:	101.9%	666.4		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	587.4	89.9%
0-40	624.9	95.6%
0-60	647.4	99%
60-90	6.3	1%
0-90	653.7	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	146.8	22.5%
10-20	280.7	42.9%
20-30	160.0	24.5%
30-40	37.4	5.7%
40-50	14.5	2.2%
50-60	8.0	1.2%
60-70	4.3	0.7%
70-80	1.4	0.2%
80-90	0.6	0.1%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
5.0R	69.9 fc	3.1 ft	3.1 ft
10.0R	17.5 fc	6.2 ft	6.2 ft
15.0R	7.76 fc	9.3 ft	9.3 ft
20.0R	4.37 fc	12.4 ft	12.4 ft
25.0R	2.79 fc	15.4 ft	15.5 ft
30.0R	1.94 fc	18.5 ft	18.6 ft
Vert. Spread: 34.3°			
Horiz. Spread: 34.4°			

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
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	1.00
1	1.14	1.12	1.10	1.08	1.12	1.10	1.08	.96	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95	.95	.95	.95
2	1.10	1.06	1.02	.99	1.08	1.04	1.01	.91	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91	.91	.91	.91
3	1.06	1.00	.96	.93	1.04	.99	.95	.87	.96	.93	.90	.94	.91	.89	.92	.90	.88	.86	.86	.86	.86
4	1.01	.95	.91	.87	1.00	.94	.90	.83	.92	.88	.86	.90	.87	.85	.88	.86	.84	.82	.82	.82	.82
5	.98	.91	.86	.82	.96	.90	.85	.80	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79	.79	.79	.79
6	.94	.87	.82	.78	.93	.86	.82	.76	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75	.75	.75	.75
7	.91	.83	.78	.75	.90	.83	.78	.73	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72	.72	.72	.72
8	.88	.80	.75	.72	.87	.79	.75	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.70	.70	.70	.70
9	.85	.77	.72	.69	.84	.76	.72	.68	.76	.71	.68	.75	.71	.68	.74	.71	.68	.67	.67	.67	.67
10	.82	.74	.69	.66	.81	.74	.69	.65	.73	.69	.66	.72	.68	.66	.72	.68	.66	.65	.65	.65	.65

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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1	
10	1472	1442	1418	1401	1380	1353	1327	1311	1304	1300	1299	1300	1309	1329	1353	1376	1398	1427	1466	1504	1537	1574	1612	1639	1647	1648	1649	1642	1628	1612	1596	1573	1541	1		
20	624	601	582	571	563	554	542	534	531	535	544	552	562	573	585	600	616	634	653	671	694	719	746	766	772	772	771	770	763	754	738	718	698			
30	99	98	95	95	97	96	95	94	93	92	93	93	93	92	90	90	92	94	95	96	97	98	101	102	103	103	102	100	99	98	97	96	95			
40	26	26	26	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	27	28	29	29	29	29	28	28	28	28	28	28	28	28		
50	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12		
60	7	7	7	7	7	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7		
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	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	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	0	0	

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 1 V6 357mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/24/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-3C-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-3C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 36 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

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