

# ZANIBONI® LIGHTING

**Filename: D1-GEL4P-0730A-6C-WS-00**

Manufacturer: Zaniboni Lighting

Luminaire: D1-GEL4P-0730A-6C-WS-00

Luminaire Cat: D1-GEL4P-0730A-6C-WS-00

Lamp: WHITE 3K 80 60 DEG CLEAR

Lamp Output: Total luminaire Lumens: 676.8

Max Candela: 737.4 at Horizontal: 0°, Vertical: 0°

Input Wattage: 7

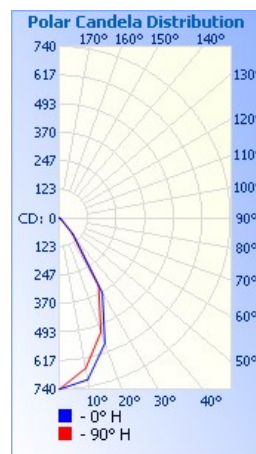
Luminous Opening: Circular (Dia: 1.73")

Test: GEM L4P V6 9V 709mA 7W

Test Lab: Zaniboni Light

Photometry : Type C

Nema Type: 5 X 5


**Roadway Summary**

Cutoff Classification: CUTOFF

Distribution: TYPE I, VERY SHORT

Max Cd, 90 Deg Vert: 0.3

Max Cd, 80 to &lt;90 Deg: 1.0

Lumens % Lamp

Downward Street Side: 331.3 49%

Downward House Side: 350.6 51.8%

Downward Total: 681.9 100.8%

Total Lumens: 681.9 100.8%

**Flood Summary**

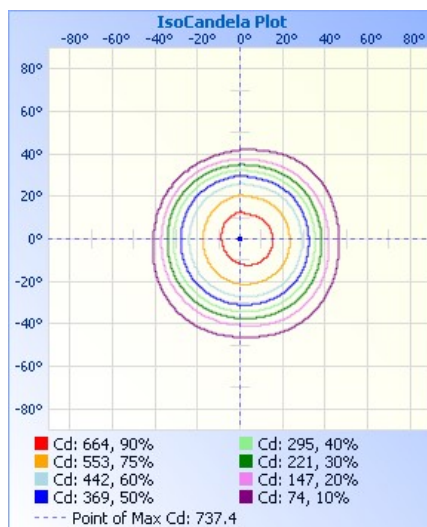
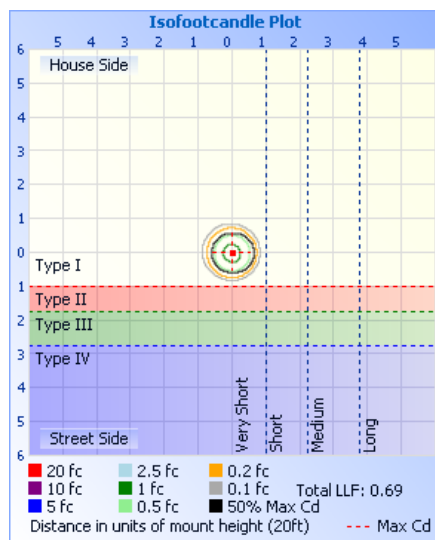
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95%	643.1	87.6	88.2
Beam (50%):	68.1%	460.6	60.3	60.7
Total:	100.7%	681.6		

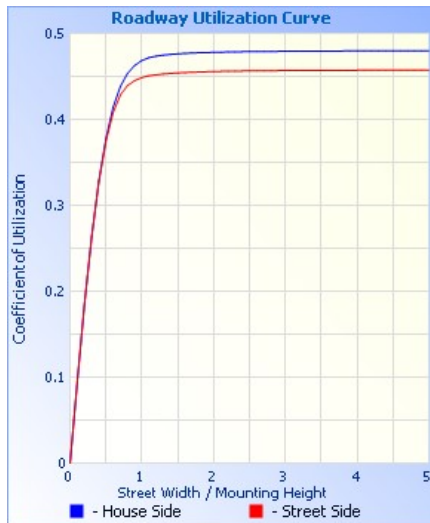
**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	455.8	67.4%
0-40	607.6	89.8%
0-60	669.7	99%
60-90	7.1	1%
0-90	676.8	100%

**Lumens Per Zone**

Zone	Lumens	% Total
0-10	66.8	9.9%
10-20	175.0	25.9%
20-30	214.0	31.6%
30-40	151.7	22.4%
40-50	52.3	7.7%
50-60	9.9	1.5%
60-70	4.5	0.7%
70-80	2.0	0.3%
80-90	0.6	0.1%





**Illuminance at a Distance**

	Center Beam fc	Beam Width	
5.0R	29.5 fc	5.9 ft	5.8 ft
10.0R	7.37 fc	11.7 ft	11.6 ft
15.0R	3.28 fc	17.6 ft	17.4 ft
20.0R	1.84 fc	23.4 ft	23.2 ft
25.0R	1.18 fc	29.3 ft	29.0 ft
30.0R	0.82 fc	35.1 ft	34.9 ft

■ Vert. Spread: 60.7°  
■ Horiz. Spread: 60.3°

**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	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	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.13	1.10	1.08	1.06	1.11	1.08	1.06	.94	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93	.93	.93	.93	.93	.93	.93
2	1.07	1.02	.98	.95	1.05	1.01	.97	.87	.97	.94	.92	.94	.92	.90	.92	.90	.88	.86	.86	.86	.86	.86	.86	.86
3	1.02	.95	.90	.86	1.00	.94	.89	.81	.91	.87	.84	.89	.85	.83	.86	.84	.81	.80	.80	.80	.80	.80	.80	.80
4	.96	.89	.83	.79	.95	.88	.82	.75	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74	.74	.74	.74	.74	.74	.74
5	.91	.83	.77	.72	.90	.82	.76	.70	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69	.69	.69	.69	.69	.69	.69
6	.87	.77	.71	.67	.85	.77	.71	.65	.75	.70	.66	.74	.69	.66	.72	.68	.65	.64	.64	.64	.64	.64	.64	.64
7	.82	.73	.66	.62	.81	.72	.66	.61	.71	.65	.62	.69	.65	.61	.68	.64	.61	.59	.59	.59	.59	.59	.59	.59
8	.78	.68	.62	.58	.77	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.56	.56	.56	.56	.56	.56	.56
9	.74	.64	.58	.54	.73	.64	.58	.53	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52	.52	.52	.52	.52	.52	.52
10	.71	.61	.55	.51	.70	.60	.55	.50	.59	.54	.51	.59	.54	.50	.58	.53	.50	.49	.49	.49	.49	.49	.49	.49

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	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
10	706	700	693	686	680	674	668	662	658	656	654	654	655	658	662	666	669	674	679	686	693	699	704	708	711	713	715	717	717	716	714	710	705	700	695	690	706
20	574	563	554	546	540	535	529	525	524	523	524	527	532	536	542	548	556	561	568	574	581	589	596	602	609	613	615	614	612	606	601	596	589	580	572	563	574
30	371	365	358	352	347	343	340	339	337	338	338	341	344	348	354	361	368	377	383	389	395	401	407	411	416	418	419	417	414	409	404	397	389	382	372	368	371
40	91	85	80	75	73	72	73	75	78	83	88	95	101	107	116	124	132	143	149	159	165	172	176	178	180	180	177	171	163	155	147	137	126	116	105	96	91
50	12	12	12	12	12	12	12	12	13	13	14	15	15	17	18	19	20	21	22	24	25	26	25	24	22	19	18	16	16	14	13	13	12	12	12	12	
60	6	6	6	6	6	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
70	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	
80	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	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	0	

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] GEM L4P V6 9V 709mA 7W  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/20/2024  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D1-GEL4P-0730A-6C-WS-00  
[LUMINAIRE] D1-GEL4P-0730A-6C-WS-00  
[LAMP] WHITE 3K 80 60 DEG CLEAR

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.