

# ZANIBONI<sup>®</sup> LIGHTING

Filename: D1-GEL4P-0730A-3C-WS-00

Manufacturer: Zaniboni Lighting

Luminaire: D1-GEL4P-0730A-3C-WS-00

Luminaire Cat: D1-GEL4P-0730A-3C-WS-00

Lamp: WHITE 3K 80 36 DEG CLEAR

Lamp Output: Total luminaire Lumens: 690.1

Max Candela: 1,509.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 7

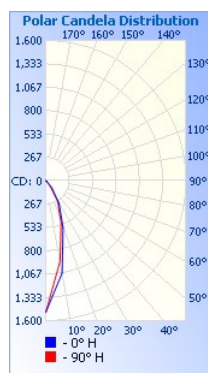
Luminous Opening: Circular (Dia: 1.73")

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 <90 Deg: 1.1

Lumens % Lamp

Downward Street Side: 361.9 52.5%

Downward House Side: 339.5 49.2%

Downward Total: 701.4 101.6%

Total Lumens: 701.4 101.6%

## Flood Summary

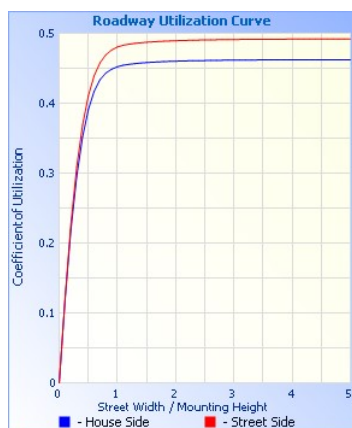
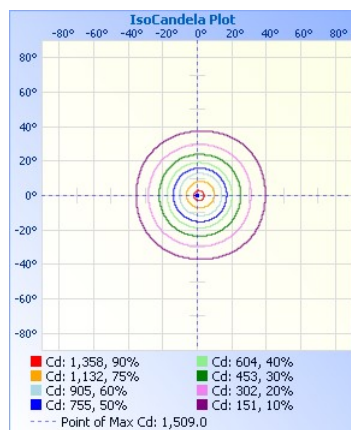
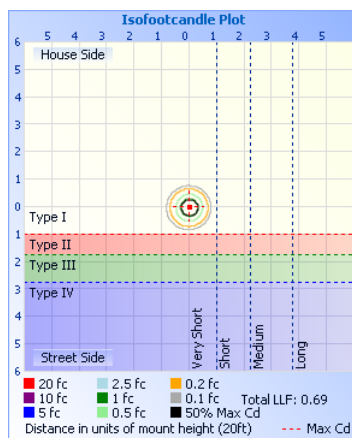
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	89.1%	614.6	74.9	74.4
Beam (50%):	33.2%	229.2	31	31.1
Total:	101.6%	700.9		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	508.5	73.7%
0-40	626.9	90.9%
0-60	679.9	98.5%
60-90	10.1	1.5%
0-90	690.1	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	108.9	15.8%
10-20	211.1	30.6%
20-30	188.5	27.3%
30-40	118.5	17.2%
40-50	42.6	6.2%
50-60	10.4	1.5%
60-70	6.5	0.9%
70-80	3.0	0.4%
80-90	0.6	0.1%



Coefficients Of Utilization - Zonal Cavity Method

	Center Beam fc	Beam Width
5.0R	60.4 fc	2.8 ft 2.8 ft
10.0R	15.1 fc	5.6 ft 5.5 ft
15.0R	6.71 fc	8.4 ft 8.3 ft
20.0R	3.77 fc	11.1 ft 11.1 ft
25.0R	2.41 fc	13.9 ft 13.9 ft
30.0R	1.68 fc	16.7 ft 16.6 ft

Vert. Spread: 31.1°  
Horiz. Spread: 31.0°

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
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	
1	1.14	1.11	1.08	1.06	1.11	1.09	1.07	.94	1.05	1.03	1.01		1.01	1.00	.98		.98	.96	.95		.94
2	1.08	1.03	.99	.96	1.06	1.02	.98	.88	.98	.96	.93		.96	.93	.91		.93	.91	.89		.87
3	1.03	.97	.92	.88	1.01	.95	.91	.83	.93	.89	.86		.90	.87	.85		.88	.86	.83		.82
4	.98	.91	.85	.81	.96	.90	.85	.78	.88	.83	.80		.86	.82	.79		.84	.81	.78		.77
5	.93	.85	.80	.76	.92	.84	.79	.73	.83	.78	.75		.81	.77	.74		.80	.76	.73		.72
6	.89	.81	.75	.71	.88	.80	.74	.69	.78	.74	.70		.77	.73	.70		.76	.72	.69		.68
7	.85	.76	.70	.66	.84	.76	.70	.65	.74	.69	.66		.73	.69	.66		.72	.68	.65		.64
8	.81	.72	.67	.63	.80	.72	.66	.62	.71	.66	.62		.70	.65	.62		.69	.65	.62		.60
9	.78	.69	.63	.59	.77	.68	.63	.58	.67	.62	.59		.66	.62	.59		.66	.62	.59		.57
10	.75	.65	.60	.56	.74	.65	.60	.56	.64	.59	.56		.63	.59	.56		.63	.59	.56		.54

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	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509	1509
10	1074	1053	1034	1017	1000	984	970	957	947	938	929	923	920	921	922	925	932	942	955	970	986	1003	1023	1042	1062	1080	1095	1110	1122	1127	1129	1126	1120	1
20	575	568	560	552	542	533	526	519	514	511	508	508	508	511	513	517	522	528	533	538	542	546	551	557	564	568	575	580	582	584	585	585	585	
30	302	297	292	286	282	278	276	274	272	270	269	267	267	268	269	271	273	275	278	282	286	289	293	298	303	307	310	314	316	318	318	317	315	
40	108	103	97	92	87	82	77	72	70	68	66	65	66	68	70	72	76	80	84	90	94	101	107	114	122	127	130	133	135	136	136	134	131	
50	16	16	16	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	16	16	16	16	16	16	
60	9	9	9	8	8	8	8	8	8	8	7	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	
70	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	5	5	5	6	6	5	
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	
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] GEM L4P V6 9V 709mA 7W  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/20/2024  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D1-GEL4P-0730A-3C-WS-00  
[LUMINAIRE] D1-GEL4P-0730A-3C-WS-00  
[LAMP] WHITE 3K 80 36 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.