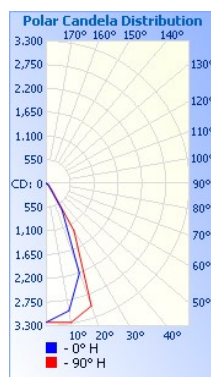


ZANIBONI® LIGHTING

Filename: D3-LU4OS-1830C-5C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D3-LU4OS-1830C-5C-WS-Z-0
Luminaire Cat: D3-LU4OS-1830C-5C-WS-Z-0
Lamp: WHITE 3K 90 CRI 50 DEGREE
Lamp Output: Total luminaire Lumens: 2087
Max Candela: 3,285.8 at Horizontal: 90°, Vertical: 10°
Luminous Opening: Circular (Dia: 2.76")
Test: LUNA 40S V13 515mA 33.61mA
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 4 X 5



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	3.2
Max Cd, 80 to <90 Deg:	1.8
Lumens % Lamp	
Downward Street Side:	1,055.2 50.6%
Downward House Side:	1,055.4 50.6%
Downward Total:	2,110.6 101.1%
Total Lumens:	2,110.6 101.1%

Flood Summary

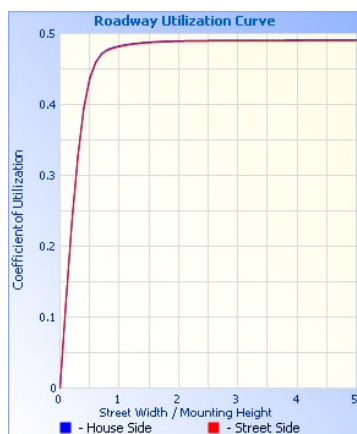
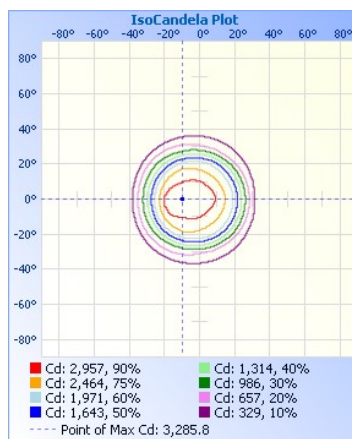
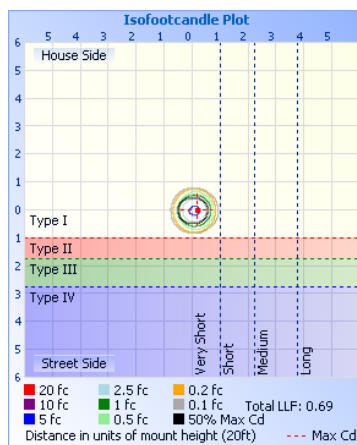
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	92.3%	1,926.4	69.7	71.6
Beam (50%):	67.3%	1,405.0	49.1	46.6
Total:	101.1%	2,109.1		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,713.6	82.1%
0-40	1,972.8	94.5%
0-60	2,066.8	99%
60-90	20.3	1%
0-90	2,087.0	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	294.3	14.1%
10-20	741.5	35.5%
20-30	677.9	32.5%
30-40	259.2	12.4%
40-50	59.6	2.9%
50-60	34.4	1.6%
60-70	15.7	0.8%
70-80	3.5	0.2%
80-90	1.1	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0ft	129 fc	4.3 ft 4.6 ft
10.0ft	32.3 fc	8.6 ft 9.1 ft
15.0ft	14.3 fc	12.9 ft 13.7 ft
20.0ft	8.07 fc	17.2 ft 18.3 ft
25.0ft	5.16 fc	21.5 ft 22.8 ft
30.0ft	3.59 fc	25.8 ft 27.4 ft

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>0</u>
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	1.14	1.11	1.09	1.07	1.11	1.09	1.07	.95	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.96	.96	.94	.94
2	1.09	1.04	1.00	.97	1.07	1.02	.99	.89	.99	.96	.94	.96	.94	.92	.94	.92	.90	.89	.89	.89	.89
3	1.04	.98	.93	.89	1.02	.96	.92	.84	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83	.83	.83	.83
4	.99	.92	.87	.83	.97	.91	.86	.79	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78	.78	.78	.78
5	.95	.87	.82	.78	.93	.86	.81	.75	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74	.74	.74	.74
6	.90	.82	.77	.73	.89	.82	.76	.71	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70	.70	.70	.70
7	.87	.78	.73	.69	.85	.77	.72	.67	.76	.71	.68	.75	.71	.68	.74	.70	.67	.66	.66	.66	.66
8	.83	.74	.69	.65	.82	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.63	.63	.63	.63
9	.79	.71	.65	.62	.78	.70	.65	.61	.69	.65	.61	.68	.64	.61	.68	.64	.61	.60	.60	.60	.60
10	.76	.67	.62	.58	.75	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.61	.58	.57	.57	.57	.57

Candela Table - Type C

	Number Type																																				
	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	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228
10	3005	3047	3094	3137	3176	3206	3235	3261	3279	3286	3273	3243	3205	3158	3111	3070	3033	3000	2967	2934	2900	2879	2871	2873	2879	2890	2902	2917	2926	2924	2919	2910	2911	2920	2937	2960	3005
20	2222	2298	2382	2482	2583	2686	2790	2897	2980	3032	3038	2984	2887	2770	2656	2556	2461	2363	2267	2178	2096	2024	1961	1912	1871	1844	1825	1819	1820	1833	1844	1862	1907	1976	2063	2143	2222
30	724	799	877	961	1049	1129	1195	1240	1265	1273	1267	1236	1179	1106	1028	943	854	770	689	618	551	496	451	418	393	378	369	361	361	375	396	424	462	512	573	649	724
40	98	107	115	124	134	144	157	168	174	174	169	164	155	143	130	119	109	100	92	85	78	74	71	68	66	65	65	65	65	67	69	72	74	77	81	88	98
50	53	54	55	56	56	56	56	56	57	57	57	56	55	54	53	52	51	50	49	48	47	46	46	45	45	45	45	45	45	46	46	48	49	50	51	53	
60	27	29	32	33	35	36	37	37	38	38	38	37	36	35	33	32	30	29	27	25	24	22	20	18	17	16	15	15	15	15	16	17	19	21	23	25	27
70	5	6	6	7	7	8	8	9	9	9	9	9	8	8	7	7	6	6	5	5	4	4	3	3	3	2	2	3	3	3	3	3	3	4	4	5	5
80	1	1	1	1	2	2	2	2	2	2	2	2	2	2	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	1	0	1	0	0	0	1	1	1	1	0	0	0	0	0	2	1	0	0	1	1	3	3	3	2	3	2	1	0	0	0	0

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 4OS V13 515mA 33.61mA
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/28/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D3-LU4OS-1830C-5C-WS-Z-0
[LUMINAIRE] D3-LU4OS-1830C-5C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 50 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.