

ZANIBONI® LIGHTING

Filename: D2-LUN3A-1330C-5C-Z-WS-0

Manufacturer: Zaniboni Lighting

Luminaire: D2-LUN3A-1330C-5C-Z-WS-0

Luminaire Cat: D2-LUN3A-1330C-5C-Z-WS-0

Lamp: WHITE 3K 90 CRI 50 DEG

Lamp Output: Total luminaire Lumens: 1258.4

Max Candela: 1,789.7 at Horizontal: 230°, Vertical: 10°

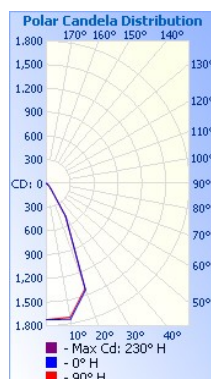
Luminous Opening: Circular (Dia: 1.57")

Test: Luna 3A V10 358mA 31.09V

Test Lab: Zaniboni Light

Photometry: Type C

Nema Type: 5 X 5



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	1.0
Lumens % Lamp	
Downward Street Side:	639.2 50.8%
Downward House Side:	631.6 50.2%
Downward Total:	1,270.8 101%
Total Lumens:	1,270.8 101%

Flood Summary

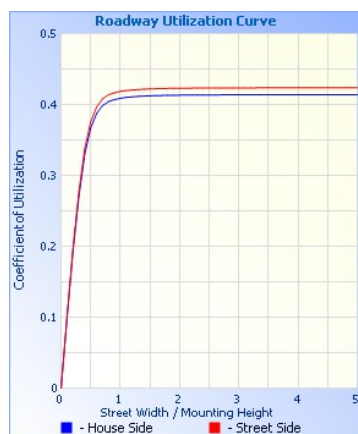
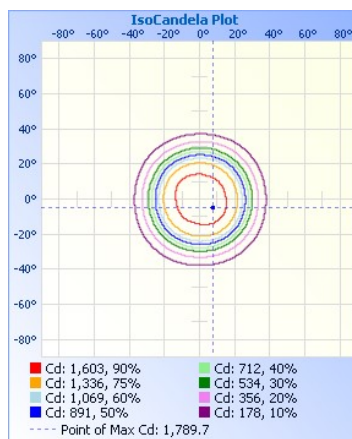
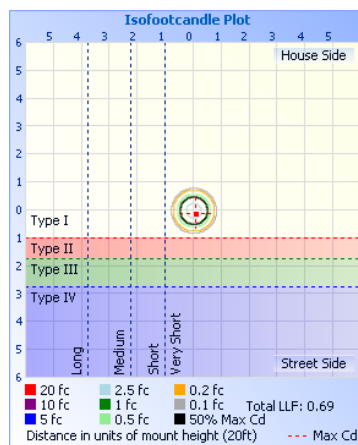
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	94.3%	1,187.1	74.4	73.7
Beam (50%):	70.2%	883.7	50.4	49.2
Total:	100.9%	1,269.9		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,031.5	82%
0-40	1,198.4	95.2%
0-60	1,250.3	99.4%
60-90	8.1	0.6%
0-90	1,258.4	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	166.4	13.2%
10-20	443.6	35.3%
20-30	421.5	33.5%
30-40	166.9	13.3%
40-50	38.3	3.0%
50-60	13.6	1.1%
60-70	5.4	0.4%
70-80	2.1	0.2%
80-90	0.6	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0ft	69.1 fc	4.6 ft 4.7 ft
10.0ft	17.3 fc	9.2 ft 9.4 ft
15.0ft	7.68 fc	13.7 ft 14.1 ft
20.0ft	4.32 fc	18.3 ft 18.8 ft
25.0ft	2.77 fc	22.9 ft 23.5 ft
30.0ft	1.92 fc	27.5 ft 28.2 ft
Vert. Spread: 49.2°		
Horiz. Spread: 50.4°		

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	.96	.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	.90	1.02	.96	.92	.84	.94	.90	.87	.91	.89	.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	.81	.76	.71	.80	.75	.72	.79	.75	.72	.77	.74	.71	.70	.70	.70	.70
7	.86	.78	.72	.68	.85	.77	.72	.67	.76	.71	.68	.75	.71	.68	.74	.70	.67	.66	.66	.66	.66
8	.83	.74	.68	.65	.82	.73	.68	.64	.72	.68	.64	.71	.67	.64	.70	.67	.64	.62	.62	.62	.62
9	.79	.70	.65	.61	.78	.70	.65	.60	.69	.64	.61	.68	.64	.61	.67	.63	.61	.59	.59	.59	.59
10	.76	.67	.62	.58	.75	.67	.61	.57	.66	.61	.58	.65	.61	.58	.64	.60	.58	.56	.56	.56	.56

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	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728
10	1751	1756	1764	1774	1781	1779	1771	1755	1737	1723	1712	1716	1724	1726	1725	1723	1718	1718	1731	1747	1765	1780	1787	1790	1785	1774	1763	1750	1740	1742	1748	1750	1747	1741	1731	1725	1751
20	1439	1437	1438	1445	1454	1462	1456	1443	1430	1420	1413	1410	1408	1407	1404	1400	1398	1401	1407	1415	1428	1439	1449	1457	1461	1459	1454	1447	1440	1440	1439	1439	1438	1434	1433	1437	1439
30	484	481	477	480	488	493	490	484	480	476	475	475	475	476	478	474	468	463	462	464	466	467	469	471	473	475	478	477	477	478	484	488	491	490	488	487	484
40	78	78	78	79	79	79	80	80	80	79	79	78	78	79	79	79	79	78	77	77	77	77	78	77	77	78	78	78	77	77	78	79	80	81	80	79	78
50	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	23	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
60	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	8	7	7	8	7	8	8	8	8	8	8
70	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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	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	0	0

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] Luna 3A V10 358mA 31.09V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/4/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D2-LUN3A-1330C-5C-Z-WS-0
[LUMINAIRE] D2-LUN3A-1330C-5C-Z-WS-0
[LAMP] WHITE 3K 90 CRI 50 DEG

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.