



Filename: ZN-50-30-28

Manufacturer: AQUARII, INC.

Luminaire: ZINO

Lamp: 3000K, 28DEG

Lamp Output: 1 lamp, total luminaire Lumens: 4493.2

Max Candela: 18,648.4 at Horizontal: 0°, Vertical: 0°

Input Wattage: 51.8

Luminous Opening: Circular (Dia: 6.48")

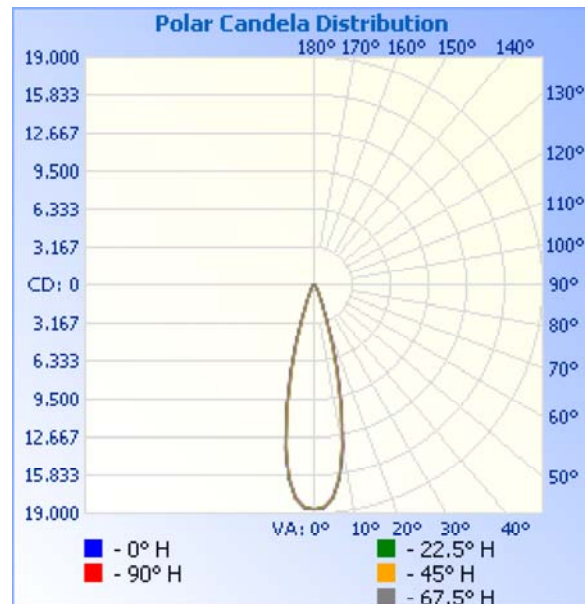
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 3 X 3

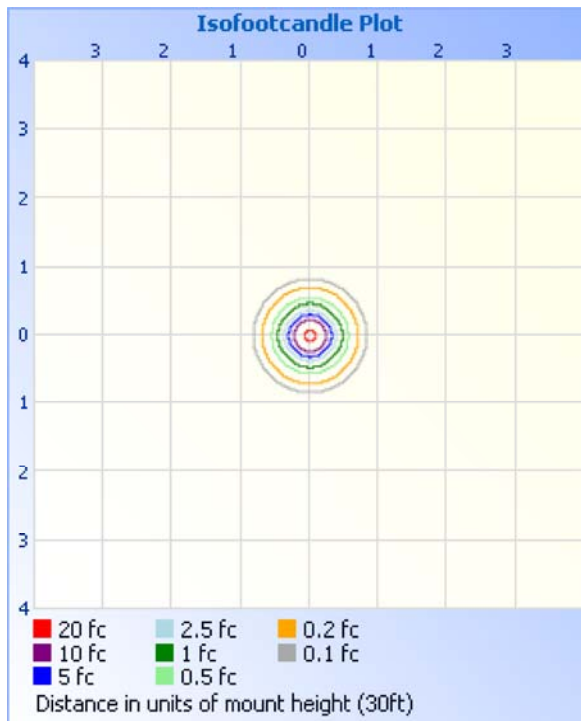


Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	4,157.1	92.5%
0-40	4,366.8	97.2%
0-60	4,492.1	100%
60-90	1.1	0%
70-100	0	0%
90-120	0	0%
0-90	4,493.2	100%
90-180	0	0%
0-180	4,493.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,556.1	34.6%	90-100	0	0%
10-20	2,004.2	44.6%	100-110	0	0%
20-30	596.8	13.3%	110-120	0	0%
30-40	209.8	4.7%	120-130	0	0%
40-50	92.2	2.1%	130-140	0	0%
50-60	33.0	0.7%	140-150	0	0%
60-70	1.1	0.0%	150-160	0	0%
70-80	0	0.0%	160-170	0	0%
80-90	0	0.0%	170-180	0	0%



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
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	1.06	1.02	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.05	1.04	1.03	1.03	1.02	1.01	1.00	.99	.98	.98	.96	.96
2	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.94	1.03	1.00	.99	1.00	.98	.96	.97	.96	.94	.93	.91	.90	.93
3	1.07	1.03	.99	.96	1.06	1.01	.98	.90	.99	.96	.94	.97	.94	.92	.94	.93	.91	.90	.88	.87	.90
4	1.04	.99	.94	.91	1.02	.97	.94	.87	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87	.85	.84	.87
5	1.01	.95	.91	.88	.99	.94	.90	.85	.92	.89	.86	.91	.88	.86	.89	.87	.85	.84	.82	.81	.84
6	.98	.91	.87	.84	.97	.91	.87	.82	.89	.86	.83	.88	.85	.83	.87	.84	.82	.81	.79	.77	.81
7	.95	.88	.84	.81	.94	.88	.84	.80	.87	.83	.81	.86	.83	.80	.85	.82	.80	.77	.75	.74	.77
8	.92	.86	.81	.79	.91	.85	.81	.77	.84	.81	.78	.83	.80	.78	.82	.80	.77	.75	.74	.72	.77
9	.90	.83	.79	.76	.89	.83	.79	.75	.82	.78	.76	.81	.78	.76	.80	.77	.75	.74	.72	.70	.74
10	.87	.81	.77	.74	.87	.80	.76	.73	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72	.70	.68	.72

Luminaire Report Summary

IESNA:LM-63-2002
[LUMCAT]
[LUMINAIRE] ZINO
[LAMP] 3000K, 28DEG
[USER DEFINED] 120.01 AC, 439.5 mA, 51.92 W, 0.9844 PF
[TEST]
[TESTLAB] INTERTEK
[ISSUEDATE] 2018-01-26
[MANUFAC] AQUARII, INC.

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.