



Filename: ZN-25-30-70

Manufacturer: AQUARII, INC.

Luminaire: ZINO

Lamp: 3000K, 70DEG

Lamp Output: 1 lamp, total luminaire Lumens: 2409.6

Max Candela: 1,918.8 at Horizontal: 0°, Vertical: 0°

Input Wattage: 27.6

Luminous Opening: Circular (Dia: 6.48")

Test Lab: INTERTEK

Photometry : Type C

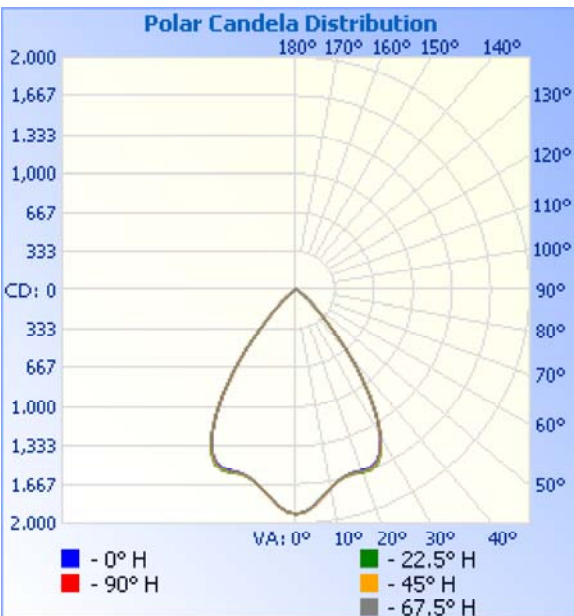
CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 5 X 5

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,380.8	57.3%
0-40	2,050.8	85.1%
0-60	2,401.7	99.7%
60-90	7.9	0.3%
70-100	0	0%
90-120	0	0%
0-90	2,409.6	100%
90-180	0	0%
0-180	2,409.6	100%



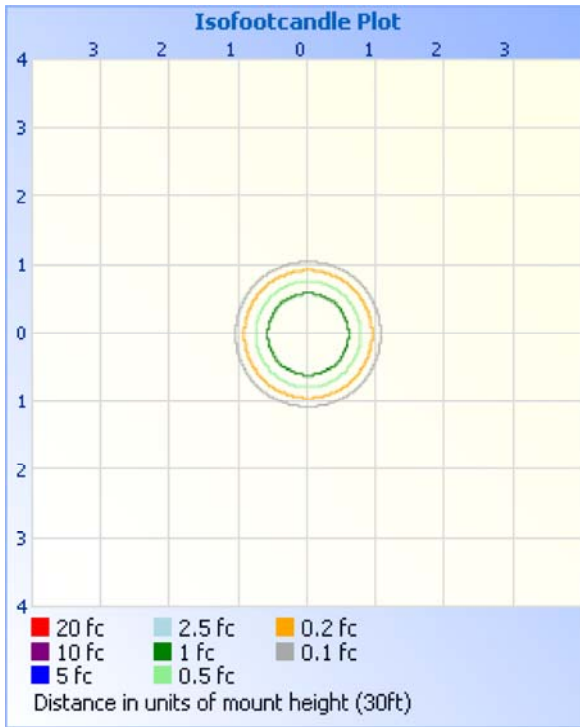
#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	172.1	7.1%	90-100	0	0%
10-20	470.5	19.5%	100-110	0	0%
20-30	738.3	30.6%	110-120	0	0%
30-40	670.1	27.8%	120-130	0	0%
40-50	278.8	11.6%	130-140	0	0%
50-60	72.1	3.0%	140-150	0	0%
60-70	7.9	0.3%	150-160	0	0%
70-80	0	0.0%	160-170	0	0%
80-90	0	0.0%	170-180	0	0%

#### Illuminance at a Distance

	Center Beam fc	Beam Width	
6.0ft	53.3 fc	8.9 ft	8.9 ft
12.0ft	13.3 fc	17.8 ft	17.8 ft
18.0ft	5.9 fc	26.8 ft	26.7 ft
24.0ft	3.3 fc	35.7 ft	35.6 ft
30.0ft	2.1 fc	44.6 ft	44.5 ft

■ Vert. Spread: 73.2°  
■ Horiz. Spread: 73.1°



#### 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	50	30	20	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	1.00			
1		1.13	1.10	1.07	1.05	1.10	1.08	1.05	.93	1.04	1.02	1.00	1.00	.98	.97	.97	.95	.94	.92			
2		1.07	1.01	.97	.93	1.04	1.00	.96	.85	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85			
3		1.01	.93	.88	.84	.98	.92	.87	.78	.89	.85	.82	.87	.83	.80	.85	.82	.79	.77			
4		.95	.86	.80	.76	.93	.85	.79	.72	.83	.78	.74	.81	.77	.73	.79	.75	.72	.71			
5		.89	.80	.73	.69	.87	.79	.73	.66	.77	.72	.68	.75	.71	.67	.74	.70	.66	.65			
6		.84	.74	.67	.63	.82	.73	.67	.61	.72	.66	.62	.70	.65	.62	.69	.64	.61	.60			
7		.79	.69	.62	.57	.78	.68	.62	.56	.67	.61	.57	.65	.60	.57	.64	.60	.56	.55			
8		.75	.64	.57	.53	.73	.63	.57	.52	.62	.57	.53	.61	.56	.52	.60	.56	.52	.51			
9		.70	.60	.53	.49	.69	.59	.53	.48	.58	.53	.49	.57	.52	.48	.56	.52	.48	.47			
10		.67	.56	.50	.45	.66	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43			

#### Luminaire Report Summary

IESNA:LM-63-2002  
 [LUMCAT]  
 [LUMINAIRE] ZINO  
 [LAMP] 3000K, 70DEG  
 [USER DEFINED] 120.07 AC, 240.2 mA, 27.639 W, 0.9583 PF  
 [TEST]  
 [TESTLAB] INTERTEK  
 [ISSUEDATE] 2018-01-25  
 [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

