



Filename: **AX-100-30-14**

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 14DEG

Lamp Output: 1 lamp, total luminaire Lumens: 9368.7

Max Candela: 116,485.9 at Horizontal: 0°, Vertical: 0°

Input Wattage: 108.1

Luminous Opening: Circular (Dia: 9.48")

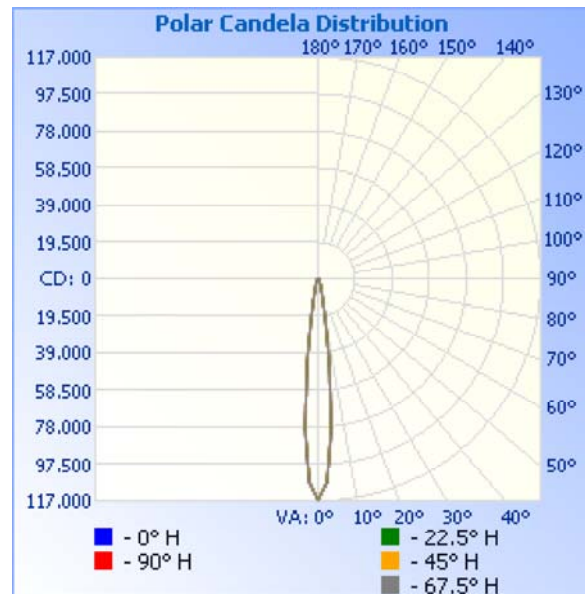
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 2 X 2

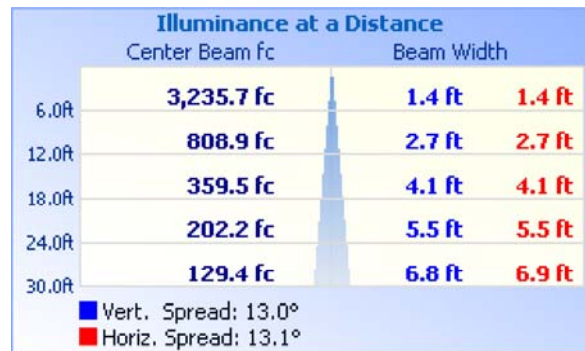
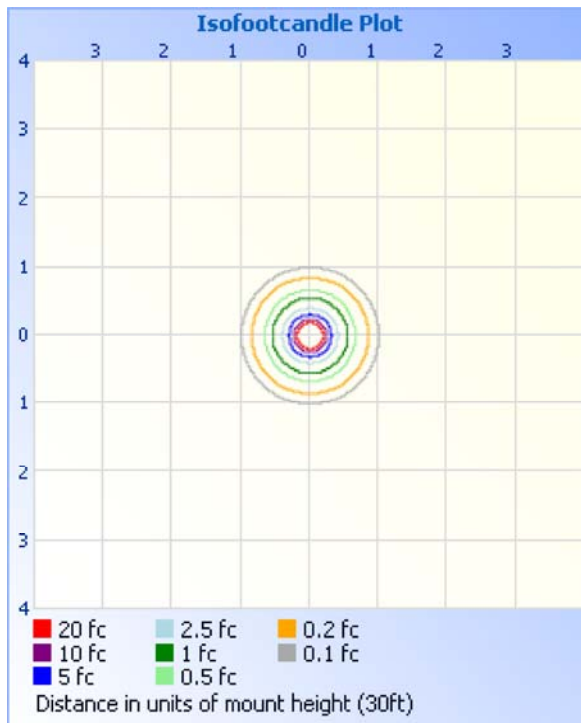


#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	8,673.2	92.6%
0-40	9,103.1	97.2%
0-60	9,367.7	100%
60-90	1.0	0%
70-100	0	0%
90-120	0	0%
0-90	9,368.7	100%
90-180	0	0%
0-180	9,368.7	100%

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	5,431.4	58.0%	90-100	0	0%
10-20	2,295.0	24.5%	100-110	0	0%
20-30	946.9	10.1%	110-120	0	0%
30-40	429.8	4.6%	120-130	0	0%
40-50	201.5	2.2%	130-140	0	0%
50-60	63.2	0.7%	140-150	0	0%
60-70	1.0	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	1.02	1.02	1.02	1.02	1.02	1.00
1	1.15	1.14	1.12	1.10	1.13	1.11	1.10	.98	1.07	1.06	1.05	1.04	1.04	1.03	1.02	1.00	1.00	.99	.99	.98	.98
2	1.12	1.09	1.06	1.04	1.10	1.07	1.05	.95	1.04	1.02	1.01	1.01	1.01	1.00	.98	.99	.97	.96	.96	.95	.95
3	1.09	1.05	1.02	.99	1.07	1.04	1.01	.93	1.01	.99	.97	.99	.97	.95	.95	.97	.95	.94	.93	.93	.93
4	1.06	1.01	.98	.95	1.05	1.00	.97	.91	.98	.96	.94	.97	.94	.93	.93	.95	.93	.92	.91	.91	.91
5	1.04	.98	.95	.92	1.02	.98	.94	.89	.96	.93	.91	.95	.92	.90	.90	.93	.91	.90	.89	.89	.89
6	1.01	.96	.92	.90	1.00	.95	.92	.87	.94	.91	.89	.93	.90	.88	.88	.92	.89	.88	.87	.87	.87
7	.99	.93	.90	.87	.98	.93	.90	.86	.92	.89	.87	.91	.88	.86	.86	.90	.88	.86	.85	.85	.85
8	.97	.91	.88	.85	.96	.91	.88	.84	.90	.87	.85	.89	.87	.85	.85	.88	.86	.84	.83	.83	.83
9	.95	.89	.86	.84	.94	.89	.86	.83	.88	.85	.83	.88	.85	.83	.83	.87	.85	.83	.82	.82	.82
10	.93	.88	.84	.82	.93	.87	.84	.81	.87	.84	.82	.86	.84	.82	.82	.86	.83	.81	.81	.81	.81

## Luminaire Report Summary

IESNA:LM-63-2002

[LUMCAT]

[LUMINAIRE] AXCELERON

[LAMP] 3000K, 14DEG

[USER DEFINED] 120.01 AC, 908.5 mA, 108.25 W, 0.9928 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

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