



Filename: **AX-125-30-14**

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 14DEG

Lamp Output: 1 lamp, total luminaire Lumens: 10853.2

Max Candela: 135,179.9 at Horizontal: 0°, Vertical: 0°

Input Wattage: 132.1

Luminous Opening: Circular (Dia: 9.48")

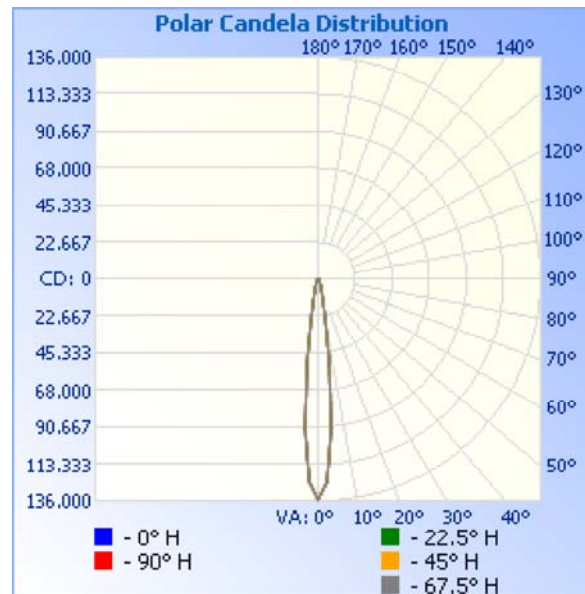
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 2 X 2

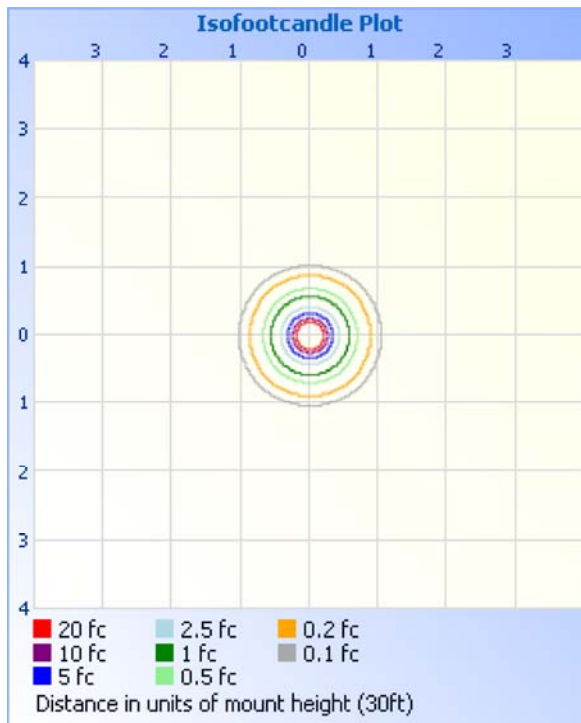


Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	10,048.2	92.6%
0-40	10,544.6	97.2%
0-60	10,851.8	100%
60-90	1.5	0%
70-100	0	0%
90-120	0	0%
0-90	10,853.2	100%
90-180	0	0%
0-180	10,853.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	6,299.3	58.0%	90-100	0	0%
10-20	2,653.9	24.5%	100-110	0	0%
20-30	1,094.9	10.1%	110-120	0	0%
30-40	496.4	4.6%	120-130	0	0%
40-50	232.3	2.1%	130-140	0	0%
50-60	74.9	0.7%	140-150	0	0%
60-70	1.5	0.0%	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	3,755.0 fc	1.4 ft
12.0ft	938.7 fc	2.7 ft
18.0ft	417.2 fc	4.1 ft
24.0ft	234.7 fc	5.5 ft
30.0ft	150.2 fc	6.9 ft

Legend:

- Blue: Vert. Spread: 13.0°
- Red: Horiz. Spread: 13.1°

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	1.15	1.14	1.12	1.10	1.13	1.11	1.10	.98	1.07	1.06	1.05	1.04	1.03	1.02	1.00	1.00	.99	.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	1.00	.98	.99	.97	.96	.95
3	1.09	1.05	1.02	.99	1.07	1.04	1.01	.93	1.01	.99	.97	.99	.97	.95	.97	.95	.94	.93
4	1.06	1.01	.98	.95	1.05	1.00	.97	.91	.99	.96	.94	.97	.94	.93	.95	.93	.92	.91
5	1.04	.98	.95	.92	1.02	.98	.94	.89	.96	.93	.91	.95	.92	.90	.93	.91	.90	.89
6	1.01	.96	.92	.90	1.00	.95	.92	.87	.94	.91	.89	.93	.90	.88	.92	.89	.88	.87
7	.99	.93	.90	.87	.98	.93	.90	.86	.92	.89	.87	.91	.88	.86	.90	.88	.86	.85
8	.97	.91	.88	.85	.96	.91	.88	.84	.90	.87	.85	.89	.87	.85	.88	.86	.84	.83
9	.95	.89	.86	.84	.94	.89	.86	.83	.88	.85	.83	.88	.85	.83	.87	.85	.83	.82
10	.93	.88	.84	.82	.93	.87	.84	.81	.87	.84	.82	.86	.84	.82	.86	.83	.81	.81

Luminaire Report Summary

IESNA:LM-63-2002

[LUMCAT]

[LUMINAIRE] AXCELERON

[LAMP] 3000K, 14DEG

[USER DEFINED] 120.05 VAC, 1106.7 mA, 132.1 W, 0.9944 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.