



Filename: AX-100-30-110

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 110DEG

Lamp Output: 1 lamp, total luminaire Lumens: 6393.8

Max Candela: 3,348.9 at Horizontal: 90°, Vertical: 2.5°

Input Wattage: 108

Luminous Opening: Circular (Dia: 9.48")

Test Lab: INTERTEK

Photometry : Type C

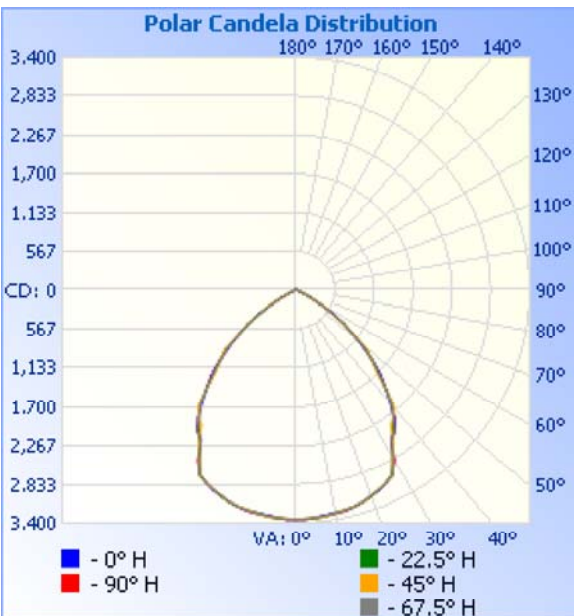
CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 6 X 6

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,656.1	41.5%
0-40	4,202.9	65.7%
0-60	6,247.6	97.7%
60-90	146.2	2.3%
70-100	10.6	0.2%
90-120	0	0%
0-90	6,393.8	100%
90-180	0	0%
0-180	6,393.8	100%



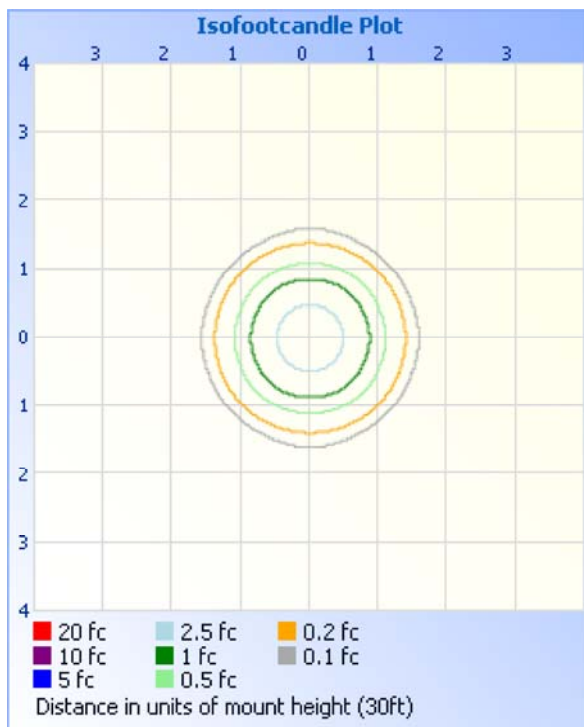
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	317.1	5.0%	90-100	0	0%
10-20	922.3	14.4%	100-110	0	0%
20-30	1,416.8	22.2%	110-120	0	0%
30-40	1,546.8	24.2%	120-130	0	0%
40-50	1,310.3	20.5%	130-140	0	0%
50-60	734.4	11.5%	140-150	0	0%
60-70	135.6	2.1%	150-160	0	0%
70-80	10.6	0.2%	160-170	0	0%
80-90	0	0.0%	170-180	0	0%

Illuminance at a Distance

	Center Beam fc	Beam Width	
6.0ft	92.8 fc	12.2 ft	12.3 ft
12.0ft	23.2 fc	24.4 ft	24.5 ft
18.0ft	10.3 fc	36.6 ft	36.8 ft
24.0ft	5.8 fc	48.7 ft	49.1 ft
30.0ft	3.7 fc	60.9 ft	61.3 ft

■ Vert. Spread: 90.9°
■ Horiz. Spread: 91.3°



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%															
RCC %:		80				70				50				30			
RW %:		70	50	30	0	70	50	30	0	50	30	20	0	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		1.12	1.09	1.06	1.03	1.09	1.06	1.04	.91	1.02	1.00	.98	.98	.97	.95	.95	.94
2		1.04	.98	.93	.89	1.02	.96	.92	.81	.93	.89	.86	.90	.87	.84	.87	.85
3		.97	.89	.83	.78	.95	.87	.82	.73	.85	.80	.76	.82	.78	.74	.80	.76
4		.90	.81	.74	.68	.88	.79	.73	.65	.77	.71	.67	.75	.70	.66	.73	.69
5		.84	.73	.66	.60	.82	.72	.65	.58	.70	.64	.60	.69	.63	.59	.67	.62
6		.78	.67	.59	.54	.77	.66	.59	.52	.64	.58	.53	.63	.57	.53	.61	.56
7		.73	.61	.54	.49	.72	.61	.54	.47	.59	.53	.48	.58	.52	.48	.57	.51
8		.68	.57	.49	.44	.67	.56	.49	.43	.55	.48	.44	.53	.48	.43	.52	.47
9		.64	.52	.45	.40	.63	.52	.45	.39	.51	.44	.40	.50	.44	.40	.49	.43
10		.60	.48	.41	.37	.59	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40

Luminaire Report Summary

IESNA:LM-63-2002
 [LUMCAT]
 [LUMINAIRE] AXCELERON
 [LAMP] 3000K, 110DEG
 [USER DEFINED] 120.05 AC, 906.5 mA, 108.04 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

