

Filename: AX-75-30-70

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 70DEG

Lamp Output: 1 lamp, total luminaire Lumens: 6902.5

Max Candela: 5,720.7 at Horizontal: 0°, Vertical: 0°

Input Wattage: 78.8

Luminous Opening: Circular (Dia: 9.48")

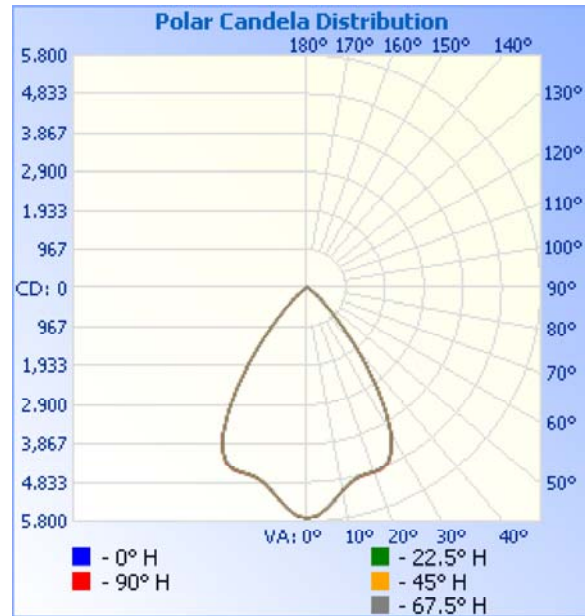
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

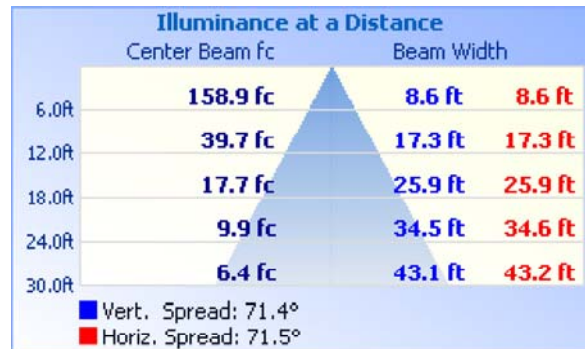
Nema Type: 5 X 5

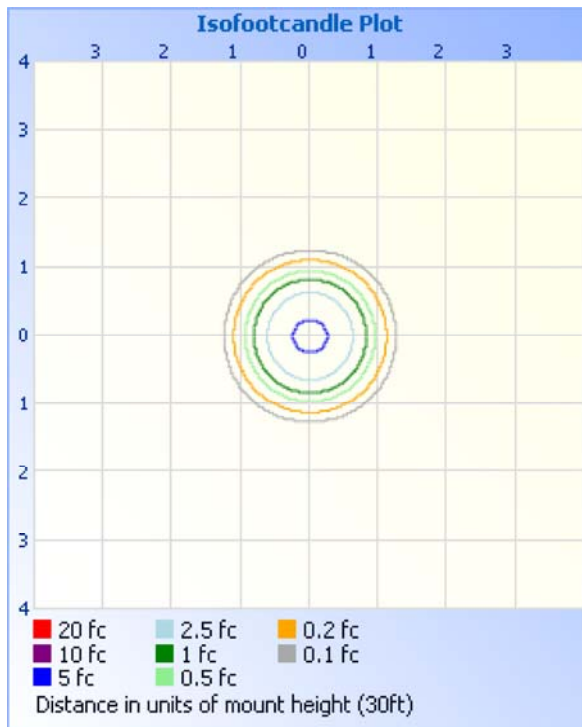
**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	4,049.8	58.7%
0-40	5,906.3	85.6%
0-60	6,878.1	99.6%
60-90	24.4	0.4%
70-100	0	0%
90-120	0	0%
0-90	6,902.5	100%
90-180	0	0%
0-180	6,902.5	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	512.1	7.4%	90-100	0	0%
10-20	1,389.5	20.1%	100-110	0	0%
20-30	2,148.3	31.1%	110-120	0	0%
30-40	1,856.4	26.9%	120-130	0	0%
40-50	765.9	11.1%	130-140	0	0%
50-60	205.9	3.0%	140-150	0	0%
60-70	24.4	0.4%	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	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	1.11	1.08	1.05	.93	1.04	1.02	1.00	1.00	.99	.97	.97	.95	.94	.93			
2		1.07	1.01	.97	.93	1.05	1.00	.96	.86	.96	.93	.90	.93	.91	.88	.91	.88	.87	.85			
3		1.01	.94	.88	.84	.99	.92	.87	.79	.90	.85	.82	.87	.84	.81	.85	.82	.79	.78			
4		.95	.87	.80	.76	.93	.85	.80	.72	.83	.78	.74	.81	.77	.74	.79	.76	.73	.71			
5		.89	.80	.74	.69	.88	.79	.73	.67	.77	.72	.68	.76	.71	.67	.74	.70	.67	.65			
6		.84	.74	.68	.63	.83	.74	.67	.61	.72	.67	.62	.71	.66	.62	.69	.65	.62	.60			
7		.79	.69	.63	.58	.78	.69	.62	.57	.67	.62	.57	.66	.61	.57	.65	.60	.57	.55			
8		.75	.65	.58	.53	.74	.64	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51			
9		.71	.60	.54	.50	.70	.60	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47			
10		.67	.57	.50	.46	.66	.56	.50	.45	.55	.50	.46	.54	.49	.46	.54	.49	.45	.44			

Luminaire Report Summary

IESNA:LM-63-2002
 [LUMCAT]
 [LUMINAIRE] AXCELERON
 [LAMP] 3000K, 70DEG
 [USER DEFINED] 120.05 VAC, 665.6 mA, 78.97 W, 0.9883 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

