



Filename: AX-100-30-28

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 28DEG

Lamp Output: 1 lamp, total luminaire Lumens: 7648.5

Max Candela: 31,242.8 at Horizontal: 0°, Vertical: 0°

Input Wattage: 111.8

Luminous Opening: Circular (Dia: 9.48")

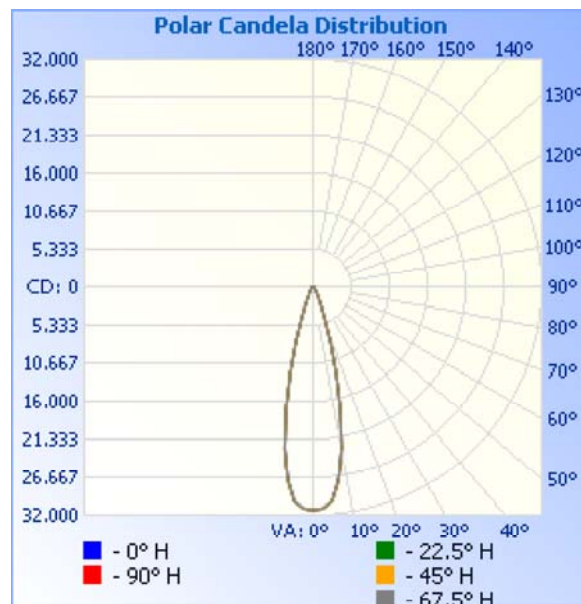
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 3 X 3

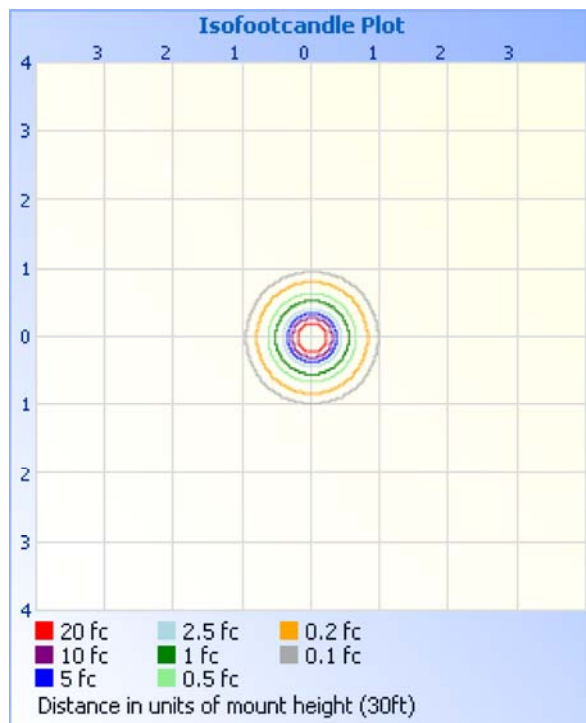


#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	7,031.7	91.9%
0-40	7,404.7	96.8%
0-60	7,645.1	100%
60-90	3.4	0%
70-100	0	0%
90-120	0	0%
0-90	7,648.5	100%
90-180	0	0%
0-180	7,648.5	100%

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	2,625.1	34.3%	90-100	0	0%
10-20	3,374.5	44.1%	100-110	0	0%
20-30	1,032.1	13.5%	110-120	0	0%
30-40	373.0	4.9%	120-130	0	0%
40-50	171.7	2.2%	130-140	0	0%
50-60	68.8	0.9%	140-150	0	0%
60-70	3.4	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	1.06	1.02	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.05	1.04	1.03	1.03	1.02	1.01	1.00	.99	.98	.98	.96	.96
2	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.93	1.03	1.00	.98	1.00	.98	.96	.97	.96	.94	.94	.93	.93	.93
3	1.07	1.03	.99	.96	1.06	1.01	.98	.90	.99	.96	.94	.96	.94	.92	.94	.92	.91	.90	.90	.90	.90
4	1.04	.98	.94	.91	1.02	.97	.94	.87	.95	.92	.90	.93	.91	.89	.92	.89	.88	.86	.86	.86	.86
5	1.01	.95	.90	.87	.99	.94	.90	.84	.92	.89	.86	.91	.88	.85	.89	.87	.85	.84	.84	.84	.84
6	.98	.91	.87	.84	.96	.90	.86	.82	.89	.86	.83	.88	.85	.82	.87	.84	.82	.81	.81	.81	.81
7	.95	.88	.84	.81	.94	.87	.83	.79	.86	.83	.80	.85	.82	.80	.84	.82	.79	.78	.78	.78	.78
8	.92	.85	.81	.78	.91	.85	.81	.77	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76	.76	.76	.76
9	.90	.83	.79	.76	.89	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74	.74	.74	.74
10	.87	.80	.76	.73	.86	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72	.72	.72	.72

## Luminaire Report Summary

IESNA:LM-63-2002

[LUMCAT]

[LUMINAIRE] AXCELERON

[LAMP] 3000K, 28DEG

[USER DEFINED] 120.02 AC, 938.8 mA, 111.88 W, 0.9929 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.