



Filename: AX-100-30-36

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 36DEG

Lamp Output: 1 lamp, total luminaire Lumens: 8853.3

Max Candela: 18,234.3 at Horizontal: 22.5°, Vertical: 2.5°

Input Wattage: 108.4

Luminous Opening: Circular (Dia: 9.48")

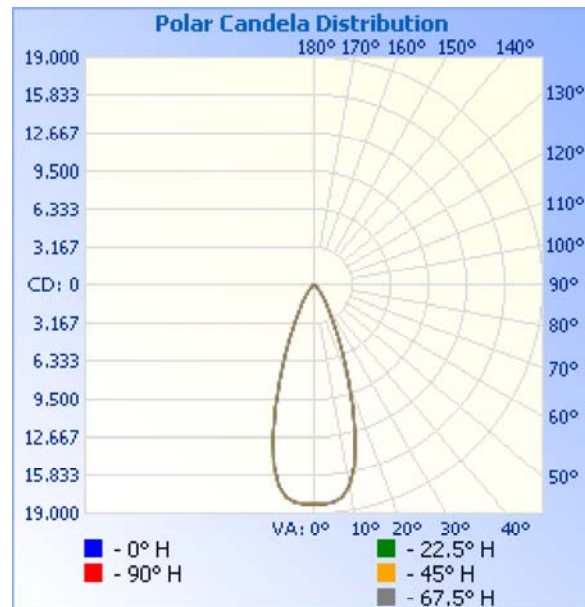
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 4 X 4

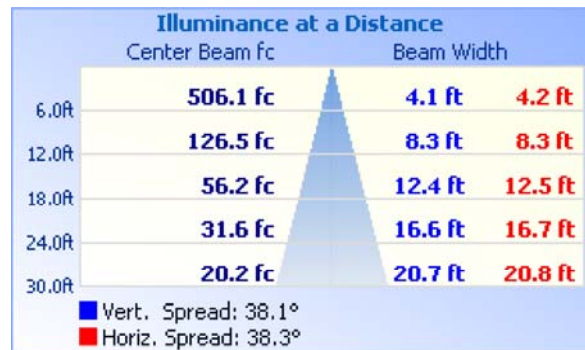
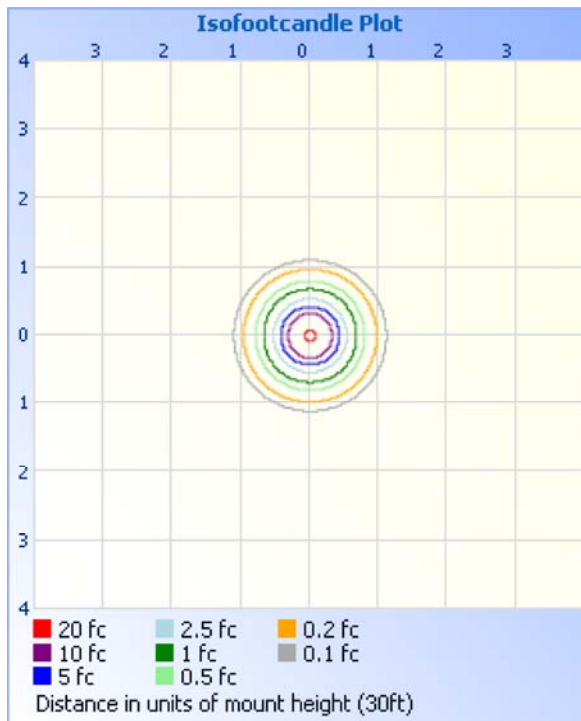


Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	7,451.9	84.2%
0-40	8,381.8	94.7%
0-60	8,844.2	99.9%
60-90	9.1	0.1%
70-100	0	0%
90-120	0	0%
0-90	8,853.3	100%
90-180	0	0%
0-180	8,853.3	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,697.6	19.2%	90-100	0	0%
10-20	3,550.9	40.1%	100-110	0	0%
20-30	2,203.5	24.9%	110-120	0	0%
30-40	929.8	10.5%	120-130	0	0%
40-50	350.1	4.0%	130-140	0	0%
50-60	112.3	1.3%	140-150	0	0%
60-70	9.1	0.1%	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	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.00	1.00
1	1.14	1.12	1.10	1.08	1.12	1.10	1.08	.95	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95	.95	.95	.95
2	1.09	1.05	1.02	.99	1.07	1.03	1.00	.91	1.00	.98	.95	.97	.95	.93	.95	.93	.91	.90	.91	.90	.90
3	1.05	.99	.95	.91	1.03	.98	.94	.86	.95	.92	.89	.93	.90	.88	.91	.89	.87	.85	.85	.85	.85
4	1.01	.94	.89	.86	.99	.93	.88	.82	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81	.81	.81	.81
5	.96	.89	.84	.80	.95	.88	.84	.78	.87	.83	.79	.85	.82	.79	.84	.81	.78	.77	.77	.77	.77
6	.93	.85	.80	.76	.91	.84	.79	.74	.83	.78	.75	.81	.78	.75	.80	.77	.74	.73	.73	.73	.73
7	.89	.81	.76	.72	.88	.80	.75	.71	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70	.70	.70	.70
8	.86	.77	.72	.69	.84	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.67	.67	.67	.67
9	.82	.74	.69	.66	.81	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.64	.64	.64	.64
10	.79	.71	.66	.63	.78	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.65	.62	.61	.61	.61	.61

Luminaire Report Summary

IESNA:LM-63-2002

[LUMCAT]

[LUMINAIRE] AXCELERON

[LAMP] 3000K, 36DEG

[USER DEFINED] 120.03 AC, 909.9 mA, 108.45 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.