

**Filename: LTO-75-36-30-RJ45-80-NL\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 75 Watts - 3000K White Light

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 7163

Max Candela: 14,199.7 at Horizontal: 45°, Vertical: 2.5°

Input Wattage: 76.4

Luminous Opening: Circular (Dia: 11.04")

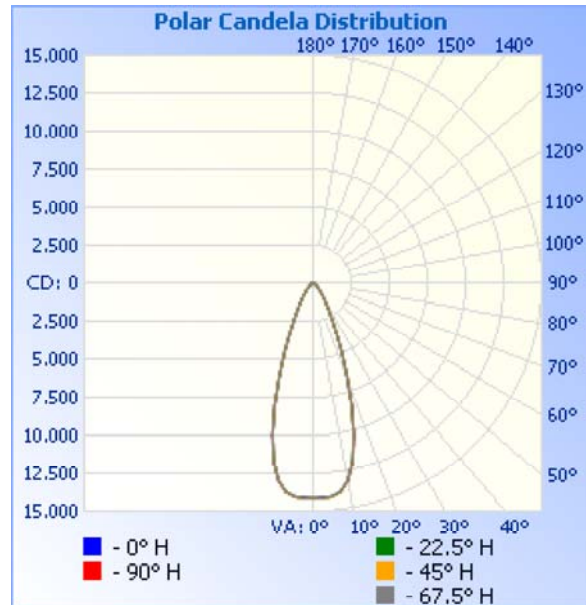
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 4 X 4

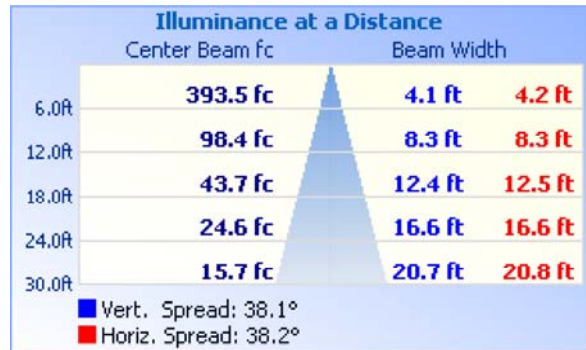
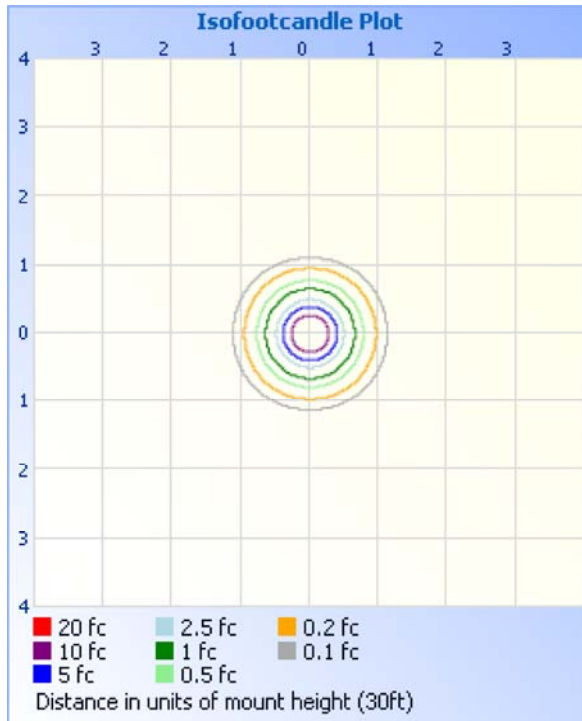


**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	5,800.3	81%
0-40	6,598.6	92.1%
0-60	7,088.8	99%
60-90	74.1	1%
70-100	16.1	0.2%
90-120	0	0%
0-90	7,163.0	100%
90-180	0	0%
0-180	7,163.0	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,316.1	18.4%	90-100	0	0%
10-20	2,757.0	38.5%	100-110	0	0%
20-30	1,727.2	24.1%	110-120	0	0%
30-40	798.3	11.1%	120-130	0	0%
40-50	338.5	4.7%	130-140	0	0%
50-60	151.8	2.1%	140-150	0	0%
60-70	58.1	0.8%	150-160	0	0%
70-80	15.9	0.2%	160-170	0	0%
80-90	0.2	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	1.14	1.11	1.09	1.07	1.12	1.09	1.07	.95	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.94	
2	1.09	1.04	1.01	.98	1.07	1.03	.99	.90	1.00	.97	.94	.97	.94	.92	.94	.92	.91	.89	
3	1.04	.98	.94	.90	1.02	.97	.93	.85	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84	
4	1.00	.93	.88	.84	.98	.92	.87	.80	.90	.86	.83	.88	.84	.82	.86	.83	.81	.79	
5	.95	.88	.83	.79	.94	.87	.82	.76	.85	.81	.78	.84	.80	.77	.82	.79	.76	.75	
6	.91	.83	.78	.74	.90	.83	.78	.72	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71	
7	.88	.79	.74	.70	.86	.79	.74	.69	.78	.73	.70	.76	.72	.69	.75	.72	.69	.68	
8	.84	.76	.70	.67	.83	.75	.70	.66	.74	.70	.66	.73	.69	.66	.72	.69	.66	.65	
9	.81	.72	.67	.64	.80	.72	.67	.63	.71	.67	.63	.70	.66	.63	.69	.66	.63	.62	
10	.78	.69	.64	.61	.77	.69	.64	.60	.68	.64	.61	.67	.63	.60	.67	.63	.60	.59	

**Luminaire Report Summary**

IESNA:LM-63-2002

[LUMCAT] Model: Lieto - 36 Degree Beamspread - 75 Watts - 3000K White Light

[LUMINAIRE] Stage Light

[LAMP] LED

[USER DEFINED] 120.08 AC, 651.9 mA, 76.54 W, 0.9778 PF

[TEST]

[TESTLAB] Intertek

[ISSUEDATE] 10/03/2018

[MANUFAC] Aquarii

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.