

**Filename: LTO-125-36-30-RJ45-80-CR\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 125 Watts - 3000K White Light - Concentric Rings

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 8632.9

Max Candela: 21,618.7 at Horizontal: 0°, Vertical: 0°

Input Wattage: 123.7

Luminous Opening: Circular (Dia: 11.04")

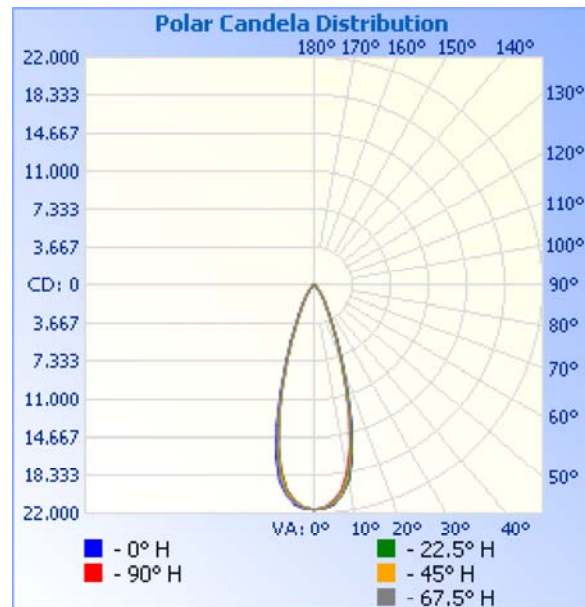
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

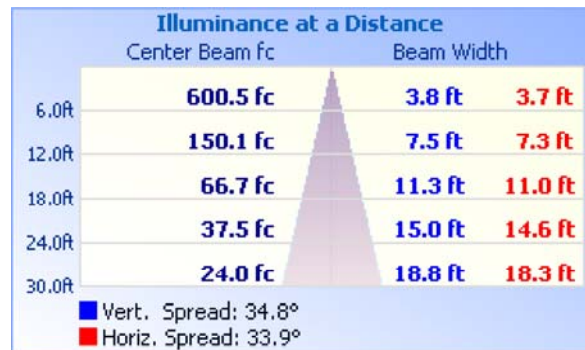
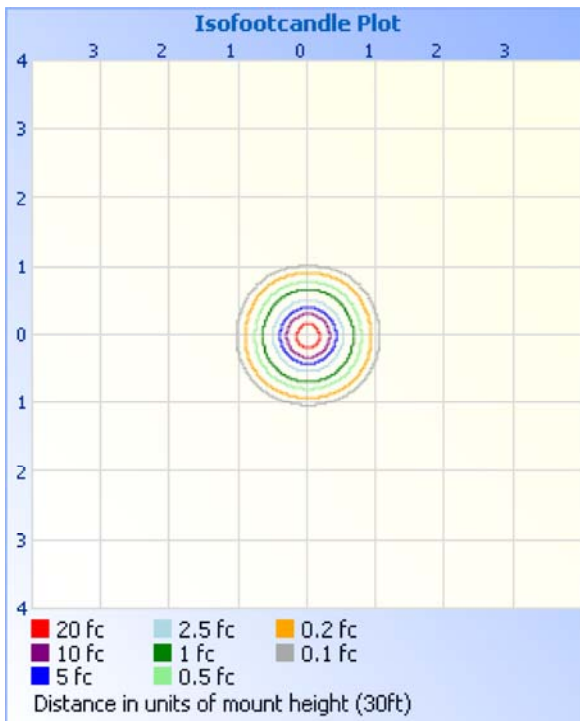
Nema Type: 4 X 4

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	7,456.5	86.4%
0-40	8,311.3	96.3%
0-60	8,630.8	100%
60-90	2.1	0%
70-100	0	0%
90-120	0	0%
0-90	8,632.9	100%
90-180	0	0%
0-180	8,632.9	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,933.9	22.4%	90-100	0	0%
10-20	3,578.7	41.5%	100-110	0	0%
20-30	1,944.0	22.5%	110-120	0	0%
30-40	854.8	9.9%	120-130	0	0%
40-50	261.1	3.0%	130-140	0	0%
50-60	58.4	0.7%	140-150	0	0%
60-70	2.1	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	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	1.12	1.10	1.08	1.12	1.10	1.08	.96	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95
2	1.10	1.06	1.02	.99	1.08	1.04	1.01	.91	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3	1.06	1.00	.96	.93	1.04	.99	.95	.87	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4	1.01	.95	.91	.87	1.00	.94	.90	.83	.92	.88	.86	.90	.87	.85	.88	.86	.84	.82
5	.98	.91	.86	.82	.96	.90	.85	.80	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79
6	.94	.87	.82	.78	.93	.86	.81	.76	.84	.80	.77	.83	.80	.77	.82	.79	.76	.75
7	.90	.83	.78	.74	.89	.82	.78	.73	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8	.87	.79	.74	.71	.86	.79	.74	.70	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
9	.84	.76	.71	.68	.83	.76	.71	.67	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10	.81	.73	.69	.65	.80	.73	.68	.65	.72	.68	.65	.72	.68	.65	.71	.67	.65	.64

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUEDATE] 10/17/2019

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 36 Degree Beamspread - 125 Watts - 3000K White Light - Concentric Rings

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTALLUMINAIRELUMENS] 6797.6

[USER DEFINED] 120.01 AC, 1030.73 MA, 123.7 W, 0.9897 PF

FILE: CREATED USING ABSOLUTE PHOTOMETRY

FILE: CANDELA MULTIPLIER: 1

FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 9

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.