

**Filename: LTO-150-36-30-RJ45-80-HX\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 150 Watts - 3000K White Light - Hexcel

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 9478.7

Max Candela: 27,222.3 at Horizontal: 0°, Vertical: 0°

Input Wattage: 100.5

Luminous Opening: Circular (Dia: 11.04")

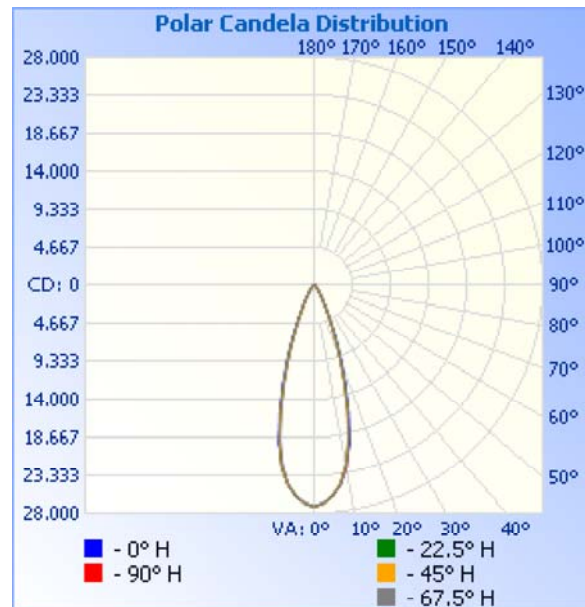
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

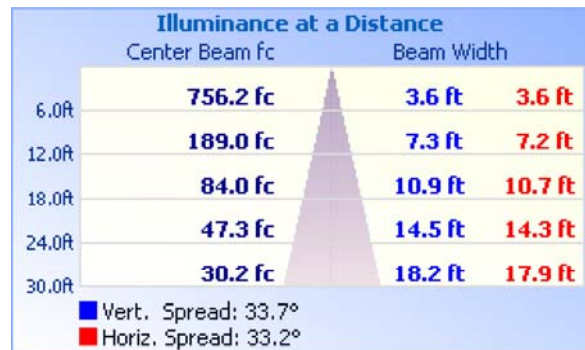
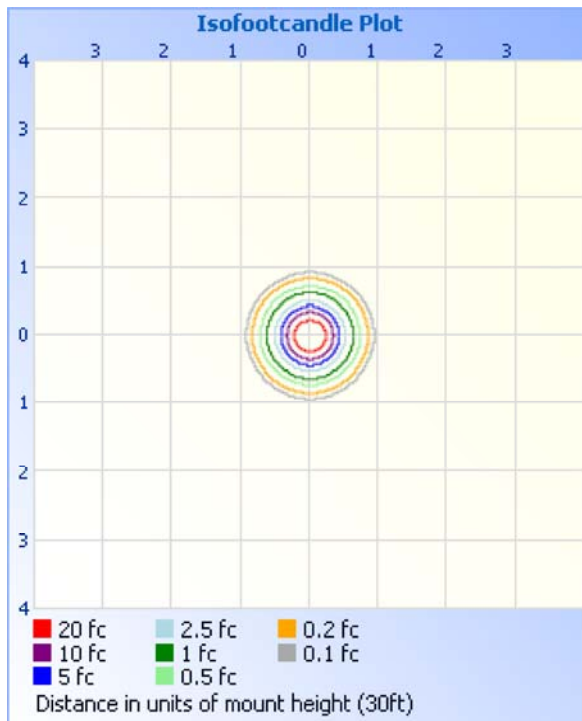
Nema Type: 4 X 4

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	8,730.8	92.1%
0-40	9,358.6	98.7%
0-60	9,478.7	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	9,478.7	100%
90-180	0	0%
0-180	9,478.7	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	2,365.5	25.0%	90-100	0	0%
10-20	4,272.5	45.1%	100-110	0	0%
20-30	2,092.8	22.1%	110-120	0	0%
30-40	627.8	6.6%	120-130	0	0%
40-50	118.4	1.2%	130-140	0	0%
50-60	1.8	0.0%	140-150	0	0%
60-70	0	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	1.15	1.12	1.10	1.09	1.12	1.10	1.08	.96	1.06	1.05	1.04	1.03	1.02	1.00	.99	.98	.98	.96
2	1.10	1.07	1.03	1.01	1.08	1.05	1.02	.92	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3	1.06	1.01	.98	.94	1.05	1.00	.97	.89	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4	1.03	.97	.93	.89	1.01	.96	.92	.85	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5	.99	.93	.88	.85	.98	.92	.88	.82	.90	.87	.84	.89	.85	.83	.87	.85	.82	.81
6	.96	.89	.84	.81	.94	.88	.84	.79	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
7	.93	.85	.81	.78	.91	.85	.80	.76	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
8	.89	.82	.78	.74	.88	.82	.77	.73	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9	.87	.79	.75	.72	.86	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10	.84	.76	.72	.69	.83	.76	.72	.68	.75	.71	.69	.75	.71	.69	.74	.71	.68	.67

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUE DATE] 10/17/2019

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 36 Degree Beamspread - 150 Watts - 3000K White Light - Hexcel

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTAL LUMINAIRE LUMENS] 9977.6

[USER DEFINED] 119.81 AC, 1241.2 MA, 148.7 W, 0.9900 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.