

**Filename: LTO-150-28-30-RJ45-80-NL\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 28 Degree Beamspread - 150 Watts - 3000K White Light

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 11759.4

Max Candela: 47,775.2 at Horizontal: 0°, Vertical: 0°

Input Wattage: 151.1

Luminous Opening: Circular (Dia: 11.04")

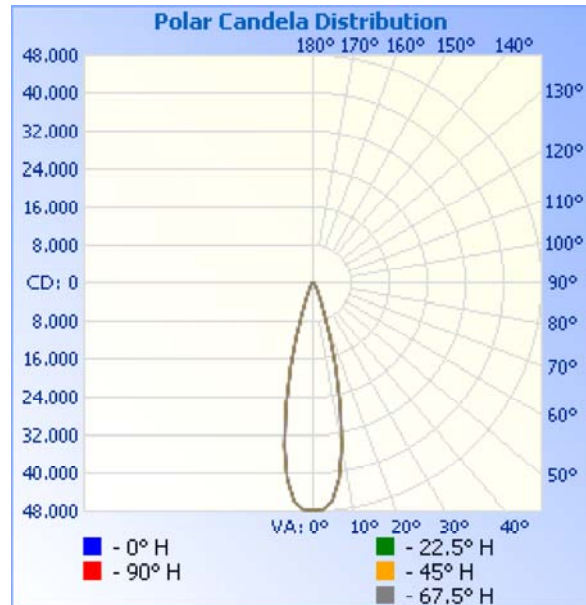
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 3 X 3

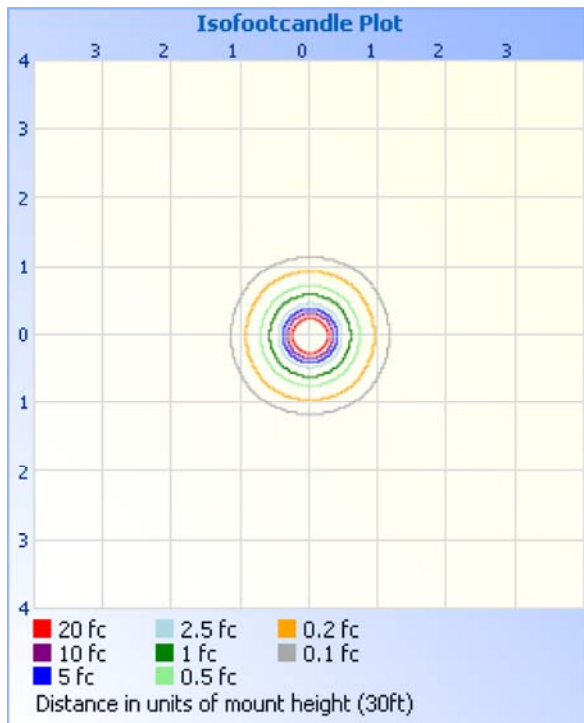


**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	10,551.5	89.7%
0-40	11,143.1	94.8%
0-60	11,668.1	99.2%
60-90	91.3	0.8%
70-100	13.8	0.1%
90-120	0	0%
0-90	11,759.4	100%
90-180	0	0%
0-180	11,759.4	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	4,010.9	34.1%	90-100	0	0%
10-20	5,043.0	42.9%	100-110	0	0%
20-30	1,497.6	12.7%	110-120	0	0%
30-40	591.7	5.0%	120-130	0	0%
40-50	327.1	2.8%	130-140	0	0%
50-60	197.9	1.7%	140-150	0	0%
60-70	77.4	0.7%	150-160	0	0%
70-80	13.8	0.1%	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	1.13	1.11	1.09	1.12	1.10	1.09	.96	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2	1.11	1.07	1.04	1.01	1.09	1.05	1.02	.93	1.02	1.00	.98	.99	.97	.96	.96	.95	.94	.92
3	1.07	1.02	.98	.95	1.05	1.01	.97	.89	.98	.95	.93	.96	.93	.91	.94	.92	.90	.89
4	1.03	.97	.93	.90	1.02	.96	.93	.86	.94	.91	.89	.93	.90	.88	.91	.89	.87	.85
5	1.00	.94	.89	.86	.98	.93	.89	.83	.91	.88	.85	.90	.87	.84	.88	.86	.84	.82
6	.97	.90	.86	.83	.96	.89	.85	.80	.88	.84	.82	.87	.84	.81	.86	.83	.81	.80
7	.94	.87	.83	.80	.93	.86	.82	.78	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8	.91	.84	.80	.77	.90	.84	.80	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.75
9	.89	.82	.77	.74	.88	.81	.77	.74	.80	.77	.74	.80	.76	.74	.79	.76	.74	.73
10	.86	.79	.75	.72	.85	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71

**Luminaire Report Summary**

IESNA:LM-63-2002

[LUMCAT] Model: Lieto - 28 Degree Beamspread - 150 Watts - 3000K White Light

[LUMINAIRE] Stage Light

[LAMP] LED

[USER DEFINED] 120.05 AC, 1269.5 mA, 151.04 W, 0.9911 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.