

**Filename: LTO-150-54-30-RJ45-80-NL\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 54 Degree Beamspread - 150 Watts - 3000K White Light

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 11152.2

Max Candela: 13,357.6 at Horizontal: 0°, Vertical: 0°

Input Wattage: 148.7

Luminous Opening: Circular (Dia: 9.48")

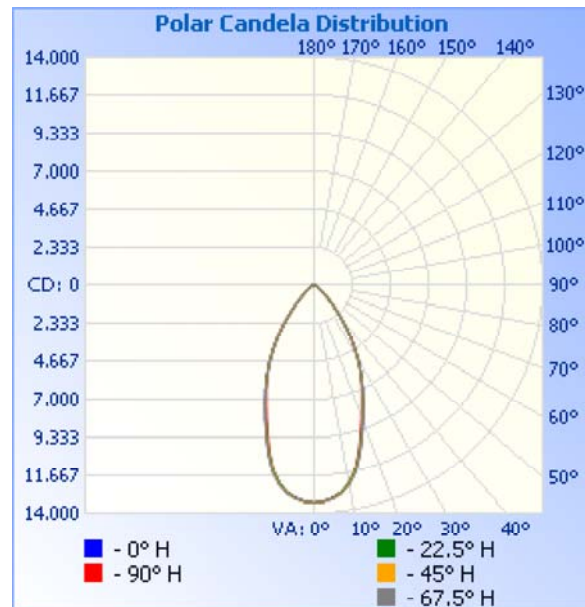
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

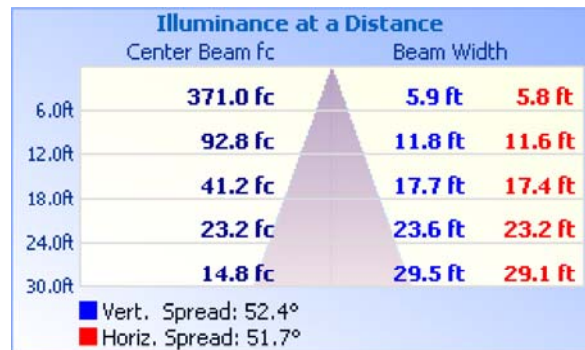
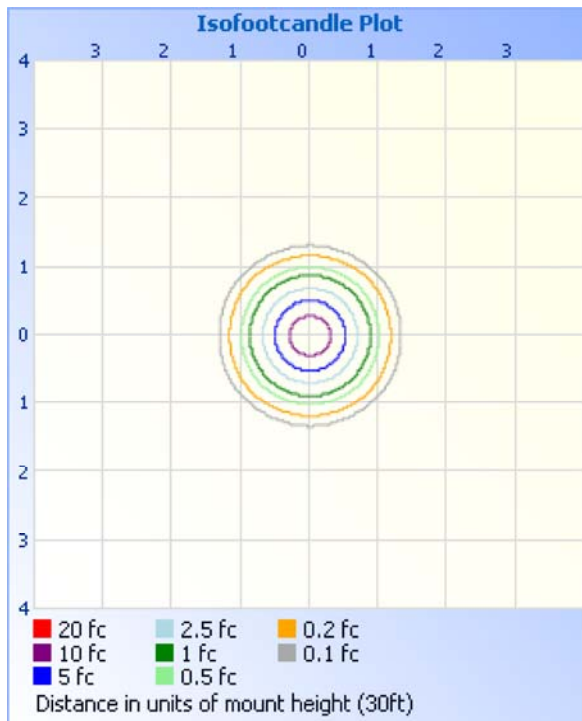
Nema Type: 5 X 5

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	7,386.2	66.2%
0-40	9,799.6	87.9%
0-60	11,130.7	99.8%
60-90	21.5	0.2%
70-100	0	0%
90-120	0	0%
0-90	11,152.2	100%
90-180	0	0%
0-180	11,152.2	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,228.4	11.0%	90-100	0	0%
10-20	2,953.5	26.5%	100-110	0	0%
20-30	3,204.4	28.7%	110-120	0	0%
30-40	2,413.4	21.6%	120-130	0	0%
40-50	1,051.4	9.4%	130-140	0	0%
50-60	279.7	2.5%	140-150	0	0%
60-70	21.5	0.2%	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	1.02	1.00
1	1.13	1.11	1.08	1.06	1.11	1.08	1.06	.94	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.95	.95	.95	.93
2	1.08	1.03	.98	.95	1.05	1.01	.97	.87	.98	.95	.92	.95	.92	.90	.92	.90	.88	.88	.88	.88	.86
3	1.02	.95	.90	.86	1.00	.94	.89	.81	.91	.87	.84	.89	.86	.83	.87	.84	.82	.80	.80	.80	.80
4	.97	.89	.83	.79	.95	.88	.82	.75	.85	.81	.77	.83	.80	.76	.82	.78	.76	.74	.74	.74	.74
5	.91	.83	.77	.72	.90	.82	.76	.70	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69	.69	.69	.69
6	.87	.78	.71	.67	.85	.77	.71	.65	.75	.70	.66	.74	.69	.66	.72	.69	.65	.64	.64	.64	.64
7	.82	.73	.67	.62	.81	.72	.66	.61	.71	.66	.62	.70	.65	.61	.68	.64	.61	.60	.60	.60	.60
8	.78	.68	.62	.58	.77	.68	.62	.57	.67	.61	.58	.66	.61	.57	.65	.60	.57	.56	.56	.56	.56
9	.74	.64	.58	.54	.73	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.52	.52	.52	.52
10	.71	.61	.55	.51	.70	.60	.55	.50	.60	.54	.51	.59	.54	.51	.58	.54	.51	.49	.49	.49	.49

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUEDATE] 02/04/2020

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 54 Degree Beamspread - 150 Watts - 3000K White Light

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTALLUMINAIRELUMENS] 11152.2

[USER DEFINED] 120.06 AC, 1238.6 MA, 148.7 W, 0.9927 PF

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.