

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

Manufacturer: Aquarii

Luminaire: Stage Light

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

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 9209.3

Max Candela: 18,027.7 at Horizontal: 0°, Vertical: 0°

Input Wattage: 149.5

Luminous Opening: Circular (Dia: 9.48")

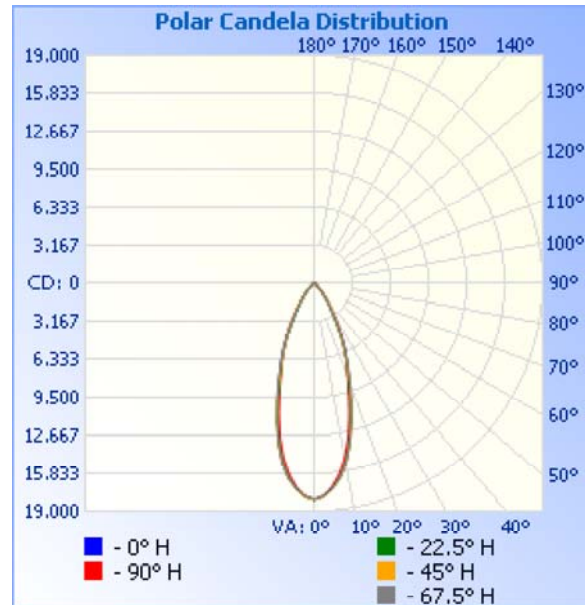
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 5 X 5

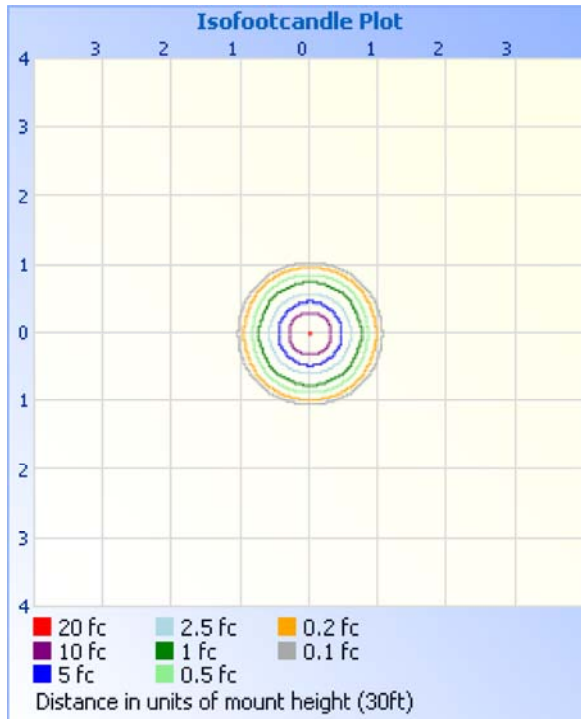


**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	7,493.6	81.4%
0-40	8,851.8	96.1%
0-60	9,209.3	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	9,209.3	100%
90-180	0	0%
0-180	9,209.3	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,570.8	17.1%	90-100	0	0%
10-20	3,238.2	35.2%	100-110	0	0%
20-30	2,684.6	29.2%	110-120	0	0%
30-40	1,358.2	14.7%	120-130	0	0%
40-50	340.0	3.7%	130-140	0	0%
50-60	17.5	0.2%	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	1.14	1.12	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	.95
2	1.09	1.05	1.01	.98	1.07	1.03	1.00	.90	1.00	.97	.95	.97	.95	.93	.94	.93	.91	.89
3	1.04	.99	.94	.91	1.03	.97	.93	.85	.95	.91	.89	.92	.90	.87	.90	.88	.86	.84
4	1.00	.93	.88	.84	.98	.92	.88	.81	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5	.96	.88	.83	.79	.94	.87	.82	.76	.86	.81	.78	.84	.80	.77	.82	.79	.77	.75
6	.92	.84	.78	.74	.90	.83	.78	.73	.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	.68	.66	.64
9	.81	.72	.67	.63	.80	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.61
10	.78	.69	.64	.60	.77	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.63	.60	.59

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUE DATE] 02/04/2020

[MANUFAC] Aquarii

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

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTAL LUMINAIRE LUMENS] 9209

[USER DEFINED] 120.10 AC, 1244.9 MA, 149.51 W, 0.9940 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.