

**Filename: LTO-75-54-30-RJ45-80-CR\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 54 Degree Beamspread - 75 Watts - 3000K White Light - Concentric Rings

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 6059.8

Max Candela: 10,801.1 at Horizontal: 0°, Vertical: 0°

Input Wattage: 75

Luminous Opening: Circular (Dia: 9.48")

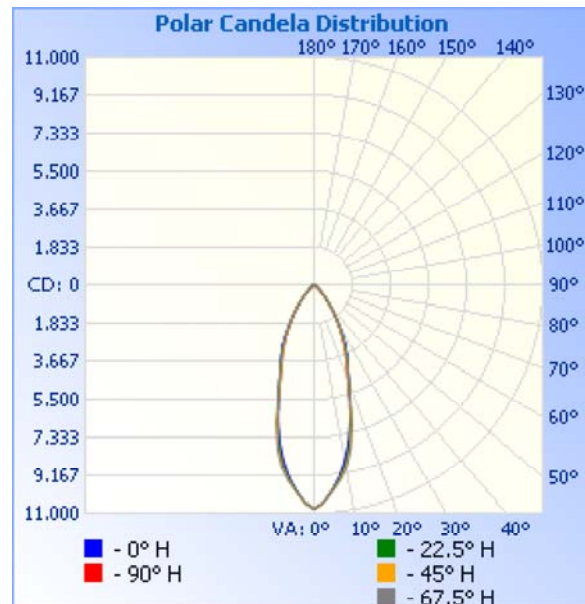
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

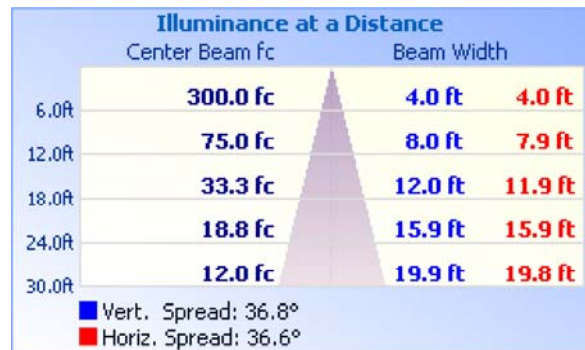
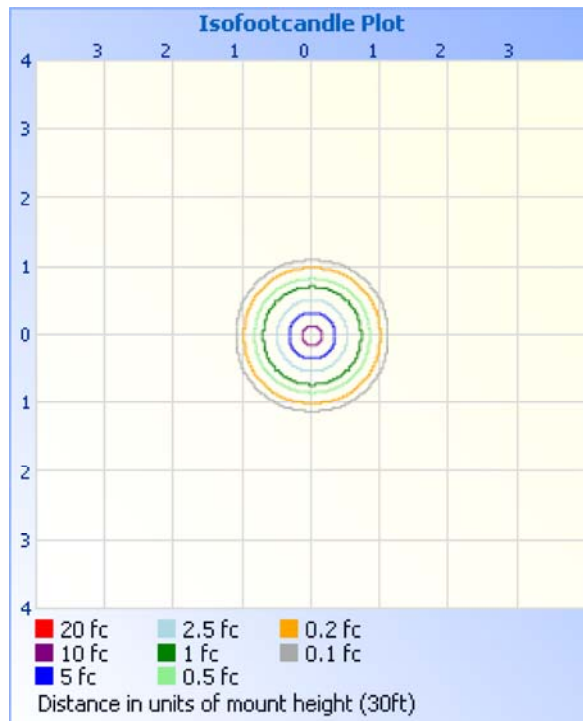
Nema Type: 5 X 5

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	4,448.0	73.4%
0-40	5,546.5	91.5%
0-60	6,052.1	99.9%
60-90	7.7	0.1%
70-100	0	0%
90-120	0	0%
0-90	6,059.8	100%
90-180	0	0%
0-180	6,059.8	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	912.6	15.1%	90-100	0	0%
10-20	1,870.8	30.9%	100-110	0	0%
20-30	1,664.5	27.5%	110-120	0	0%
30-40	1,098.5	18.1%	120-130	0	0%
40-50	408.8	6.7%	130-140	0	0%
50-60	96.8	1.6%	140-150	0	0%
60-70	7.7	0.1%	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	1.11	1.09	1.07	1.11	1.09	1.07	.94	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2	1.08	1.04	1.00	.97	1.06	1.02	.99	.89	.99	.96	.93	.96	.94	.91	.93	.91	.90	.88
3	1.03	.97	.92	.89	1.01	.96	.91	.83	.93	.89	.86	.91	.88	.85	.88	.86	.84	.82
4	.98	.91	.86	.82	.97	.90	.85	.78	.88	.84	.80	.86	.82	.79	.84	.81	.78	.77
5	.94	.86	.80	.76	.92	.85	.80	.73	.83	.78	.75	.81	.77	.74	.80	.76	.74	.72
6	.89	.81	.75	.71	.88	.80	.75	.69	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7	.85	.76	.71	.67	.84	.76	.70	.65	.74	.70	.66	.73	.69	.66	.72	.68	.65	.64
8	.81	.72	.67	.63	.80	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
9	.78	.69	.63	.59	.77	.68	.63	.58	.67	.62	.59	.66	.62	.59	.66	.61	.58	.57
10	.74	.65	.60	.56	.74	.65	.60	.55	.64	.59	.56	.63	.59	.56	.63	.58	.56	.54

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUEDATE] 02/04/2020

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 54 Degree Beamspread - 75 Watts - 3000K White Light - Concentric Rings

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTALLUMINAIRELUMENS] 8506.2

[USER DEFINED] 120.16 AC, 628.25 MA, 75.49 W, 0.9930 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.