

**Filename: Lieto(Narrow)\_RGBW**

Manufacturer: Aquarii, Inc.

Luminaire: Lieto\_RGBW(Narrow)

Lamp Output: 1 lamp, rated Lumens/lamp: 8917.8

Max Candela: 74,084.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 135.6

Luminous Opening: Circular (Dia: 11.04")

Test Date: 2019-03-26

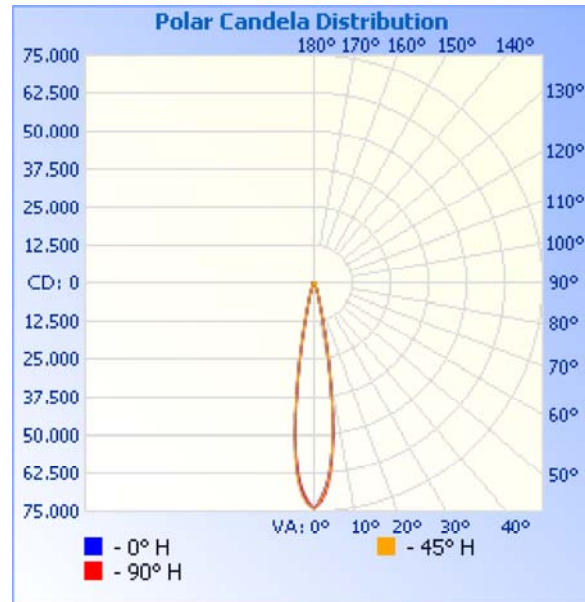
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

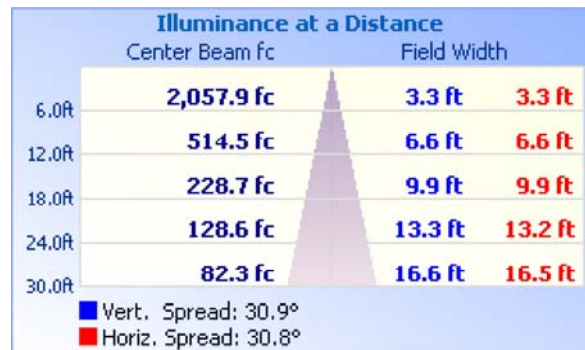
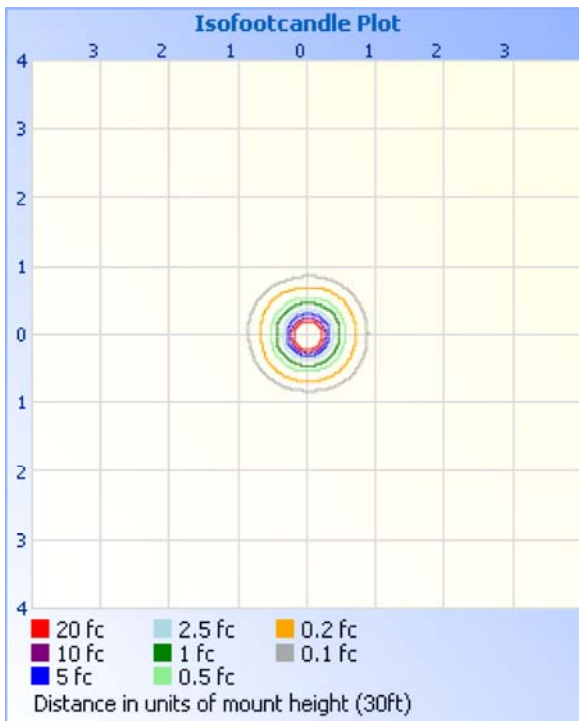
Nema Type: 3 X 3

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	8,161.5	91.5%	91.5%
0-40	8,371.4	93.9%	93.9%
0-60	8,685.6	97.4%	97.4%
60-90	232.2	2.6%	2.6%
0-90	8,917.8	100%	100%

**Lumens Per Zone**

Zone	Lumens	% Total
0-10	4,828.9	54.1%
10-20	2,733.8	30.7%
20-30	598.8	6.7%
30-40	209.9	2.4%
40-50	138.7	1.6%
50-60	175.5	2.0%
60-70	160.5	1.8%
70-80	63.2	0.7%
80-90	8.5	0.1%



**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	1.13	1.11	1.09	.97	1.07	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.94	1.03	1.01	.99	1.00	.98	.97	.98	.96	.95	.94
3	1.08	1.03	1.00	.97	1.06	1.02	.99	.91	1.00	.97	.95	.97	.95	.94	.95	.94	.92	.91
4	1.05	1.00	.96	.93	1.04	.99	.95	.89	.97	.94	.92	.95	.93	.91	.93	.91	.90	.89
5	1.02	.97	.93	.90	1.01	.96	.92	.87	.94	.91	.89	.93	.90	.88	.92	.89	.88	.86
6	1.00	.94	.90	.88	.99	.93	.90	.85	.92	.89	.87	.91	.88	.86	.90	.87	.86	.85
7	.98	.92	.88	.85	.97	.91	.88	.84	.90	.87	.85	.89	.86	.84	.88	.86	.84	.83
8	.96	.90	.86	.83	.95	.89	.86	.82	.88	.85	.83	.88	.85	.83	.87	.84	.82	.81
9	.94	.88	.84	.82	.93	.87	.84	.81	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
10	.92	.86	.83	.80	.91	.86	.82	.80	.85	.82	.80	.85	.82	.80	.84	.81	.80	.79

**Luminaire Report Summary**

IESNA:LM-63-2002

[TEST]

[TESTDATE] 2019-03-26

[TESTLAB] Intertek

[ISSUEDATE] 2019-03-26

[MANUFAC] Aquarii, Inc.

[LUMINAIRE] Lieto\_RGBW(Narrow)

[\_TOTALLUMINAIRELUMENS] 8917.8

FILE: CANDELA MULTIPLIER: 1

FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 73

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.