

Filename: LTO-100-36-30-RJ45-80-HX_rep

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 100 Watts - 3000K White Light - Hexcel

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 7321.9

Max Candela: 21,088.1 at Horizontal: 0°, Vertical: 0°

Input Wattage: 100.5

Luminous Opening: Circular (Dia: 11.04")

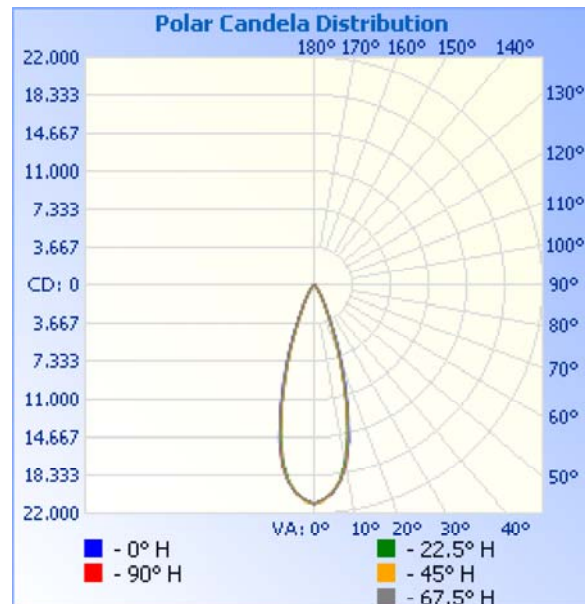
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

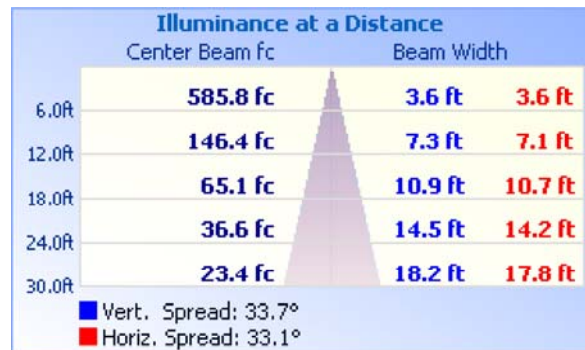
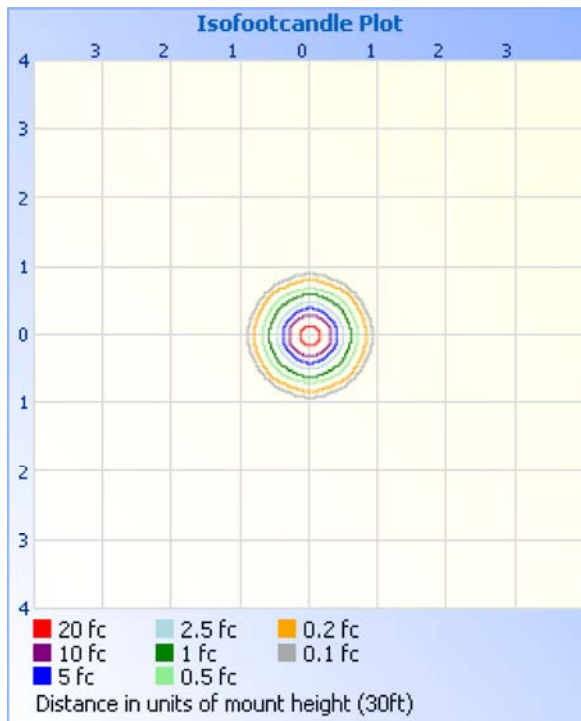
Nema Type: 4 X 4

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	6,745.6	92.1%
0-40	7,229.5	98.7%
0-60	7,321.9	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	7,321.9	100%
90-180	0	0%
0-180	7,321.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,831.9	25.0%	90-100	0	0%
10-20	3,300.7	45.1%	100-110	0	0%
20-30	1,613.0	22.0%	110-120	0	0%
30-40	483.8	6.6%	120-130	0	0%
40-50	91.1	1.2%	130-140	0	0%
50-60	1.4	0.0%	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	1.15	1.12	1.10	1.09	1.12	1.10	1.08	.96	1.06	1.05	1.04	1.03	1.02	1.00	.99	.98	.98	.96
2	1.10	1.07	1.03	1.01	1.08	1.05	1.02	.92	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3	1.07	1.01	.98	.94	1.05	1.00	.97	.89	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4	1.03	.97	.93	.89	1.01	.96	.92	.85	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5	.99	.93	.88	.85	.98	.92	.88	.82	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6	.96	.89	.84	.81	.94	.88	.84	.79	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
7	.93	.85	.81	.78	.91	.85	.80	.76	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
8	.90	.82	.78	.74	.88	.82	.77	.73	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9	.87	.79	.75	.72	.86	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10	.84	.76	.72	.69	.83	.76	.72	.68	.75	.72	.69	.75	.71	.69	.74	.71	.68	.67

Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUE DATE] 10/17/2019

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 36 Degree Beamspread - 100 Watts - 3000K White Light - Hexcel

[LUMINAIRE] Stage Light

[LAMP] LED

[_TOTAL LUMINAIRE LUMENS] 6973.3

[USER DEFINED] 120.1 AC, 836.8 MA, 100.5 W, 0.9947 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.