

Filename: LTO-100-70-30-RJ45-80-HX_rep

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 100 Watts - 3000K White Light - Hexcel

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 7016.6

Max Candela: 9,768.5 at Horizontal: 0°, Vertical: 0°

Input Wattage: 102

Luminous Opening: Circular (Dia: 11.04")

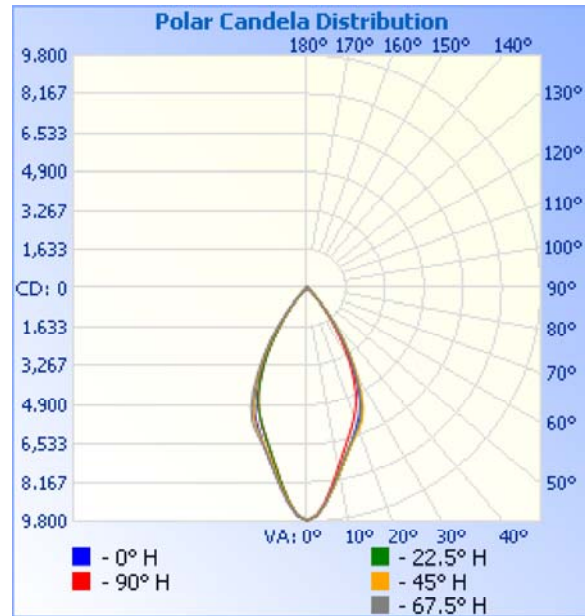
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

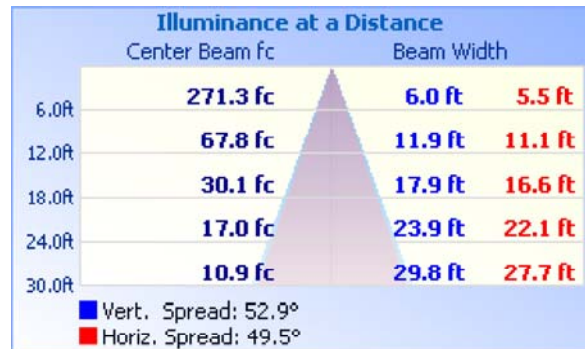
Nema Type: 5 X 5

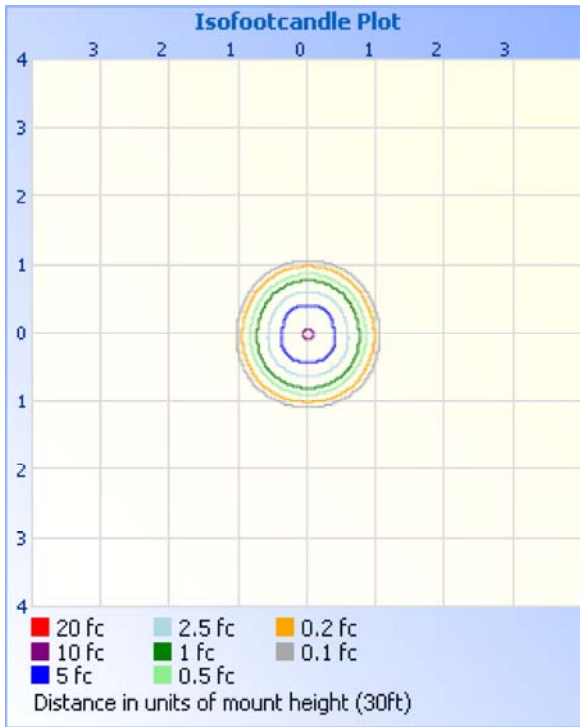
**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	5,095.7	72.6%
0-40	6,613.3	94.3%
0-60	7,016.4	100%
60-90	0.3	0%
70-100	0	0%
90-120	0	0%
0-90	7,016.6	100%
90-180	0	0%
0-180	7,016.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	818.5	11.7%	90-100	0	0%
10-20	1,918.7	27.3%	100-110	0	0%
20-30	2,358.5	33.6%	110-120	0	0%
30-40	1,517.5	21.6%	120-130	0	0%
40-50	372.3	5.3%	130-140	0	0%
50-60	30.8	0.4%	140-150	0	0%
60-70	0.3	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	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	1.00	1.00	1.00			
1		1.14	1.11	1.09	1.06	1.11	1.09	1.07	.94	1.05	1.03	1.01	1.01	1.00	.98	.98	.97	.96	.98	.97	.96	.94			
2		1.08	1.03	1.00	.96	1.06	1.02	.98	.88	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88	.85	.83	.82			
3		1.03	.97	.92	.88	1.01	.95	.91	.83	.93	.89	.86	.90	.87	.85	.88	.85	.83	.82	.83	.80	.78			
4		.98	.90	.85	.81	.96	.89	.84	.77	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76	.79	.75	.73			
5		.93	.85	.79	.75	.91	.84	.79	.72	.82	.77	.74	.80	.76	.73	.79	.75	.73	.71	.75	.71	.68			
6		.88	.80	.74	.70	.87	.79	.73	.68	.77	.73	.69	.76	.72	.68	.75	.71	.68	.67	.71	.67	.64			
7		.84	.75	.69	.65	.83	.74	.69	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.62	.67	.63	.60			
8		.80	.71	.65	.61	.79	.70	.65	.60	.69	.64	.60	.68	.64	.60	.67	.63	.60	.58	.64	.60	.56			
9		.76	.67	.61	.57	.75	.66	.61	.56	.65	.60	.57	.65	.60	.57	.64	.60	.56	.55	.61	.56	.53			
10		.73	.63	.58	.54	.72	.63	.57	.53	.62	.57	.54	.61	.57	.53	.61	.56	.53	.52	.58	.53	.50			

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Intertek
 [ISSUEDATE] 10/17/19
 [MANUFAC] Aquarii
 [LUMCAT] Model: Lieto - 70 Degree Beamspread - 100 Watts - 3000K White Light -
 Hexcel
 [LUMINAIRE] Stage Light
 [LAMP] LED
 [_TOTALLUMINAIRELUMENS] 7109.1
 [USER DEFINED] 119.9 AC, 850.7 MA, 102.0 W, 0.9890 PF

FILE: CREATED USING ABSOLUTE PHOTOMETRY
 FILE: CANDELA MULTIPLIER: 1
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 9
 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.