

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

Manufacturer: Aquarii

Luminaire: Stage Light

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

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 7489.5

Max Candela: 9,553.2 at Horizontal: 0°, Vertical: 0°

Input Wattage: 99.7

Luminous Opening: Circular (Dia: 11.04")

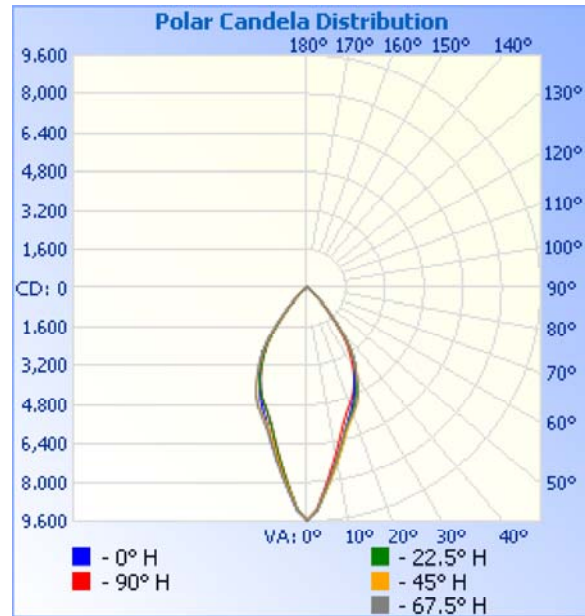
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 5 X 5

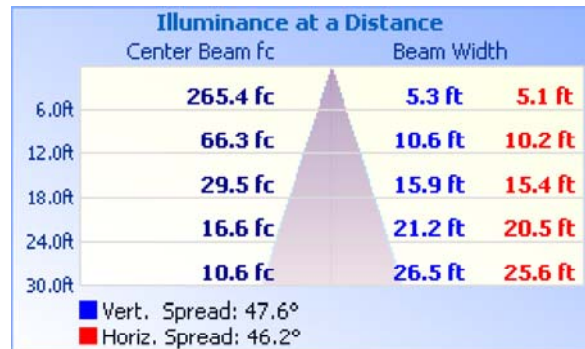


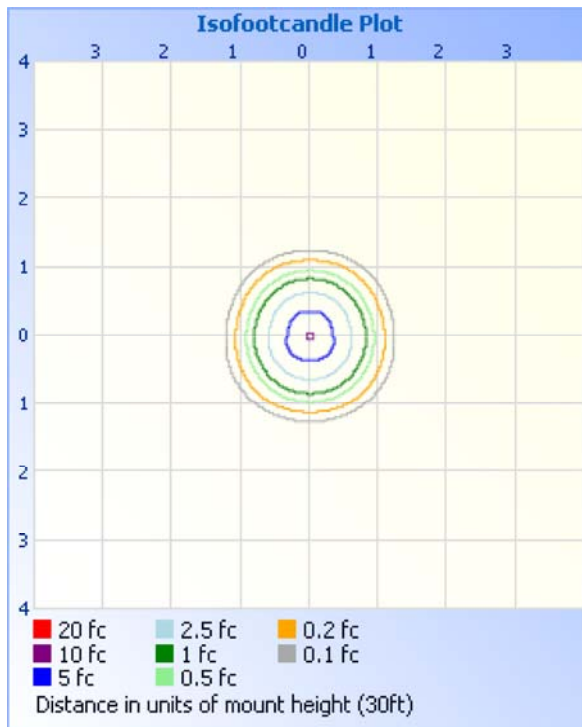
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	4,628.1	61.8%
0-40	6,483.5	86.6%
0-60	7,451.1	99.5%
60-90	38.4	0.5%
70-100	0	0%
90-120	0	0%
0-90	7,489.5	100%
90-180	0	0%
0-180	7,489.5	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	758.1	10.1%	90-100	0	0%
10-20	1,702.0	22.7%	100-110	0	0%
20-30	2,168.0	28.9%	110-120	0	0%
30-40	1,855.4	24.8%	120-130	0	0%
40-50	756.5	10.1%	130-140	0	0%
50-60	211.2	2.8%	140-150	0	0%
60-70	38.4	0.5%	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	1.13	1.10	1.08	1.05	1.11	1.08	1.06	.93	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93			
	2	1.07	1.02	.98	.94	1.05	1.00	.96	.86	.97	.94	.91	.94	.91	.89	.91	.89	.87	.86			
	3	1.01	.94	.89	.85	.99	.93	.88	.80	.90	.86	.83	.88	.85	.82	.86	.83	.80	.79			
	4	.96	.88	.82	.77	.94	.87	.81	.74	.84	.80	.76	.82	.78	.75	.80	.77	.74	.73			
	5	.90	.82	.75	.71	.89	.81	.75	.68	.79	.74	.70	.77	.73	.69	.75	.72	.69	.67			
	6	.85	.76	.70	.65	.84	.75	.69	.63	.74	.68	.64	.72	.68	.64	.71	.67	.64	.62			
	7	.81	.71	.65	.60	.80	.70	.64	.59	.69	.64	.60	.68	.63	.59	.67	.62	.59	.58			
	8	.77	.67	.60	.56	.75	.66	.60	.55	.65	.59	.56	.64	.59	.55	.63	.58	.55	.54			
	9	.73	.63	.56	.52	.72	.62	.56	.51	.61	.56	.52	.60	.55	.52	.59	.55	.51	.50			
	10	.69	.59	.53	.49	.68	.58	.53	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.47			

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Intertek
 [ISSUEDATE] 10/17/2019
 [MANUFAC] Aquarii
 [LUMCAT] Model: Lieto - 70 Degree Beamspread - 100 Watts - 3000K White Light - Concentric Rings
 [LUMINAIRE] Stage Light
 [LAMP] LED
 [_TOTALLUMINAIRELUMENS] 7642.4
 [USER DEFINED] 120.05 AC, 830.5 MA, 99.7 W, 0.9807 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.