

**Filename: LTO-150-70-30-RJ45-80-HX\_rep**

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 150 Watts - 3000K White Light - Hexcel

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 8837.5

Max Candela: 12,303.4 at Horizontal: 0°, Vertical: 0°

Input Wattage: 147.4

Luminous Opening: Circular (Dia: 11.04")

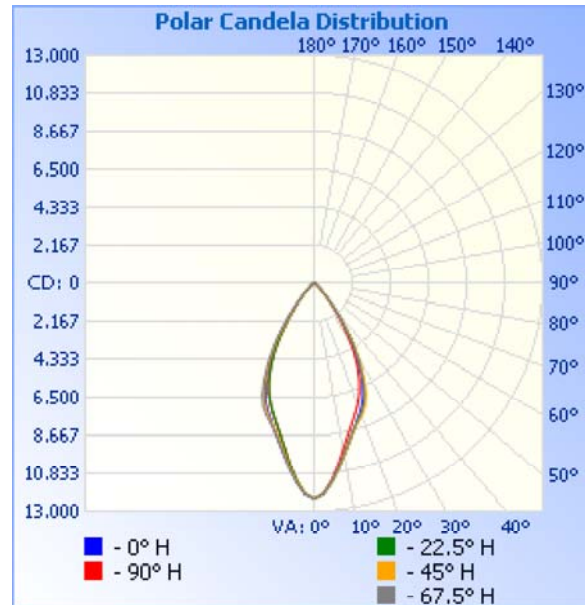
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

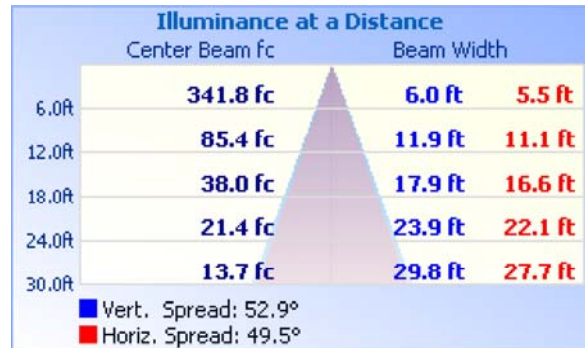
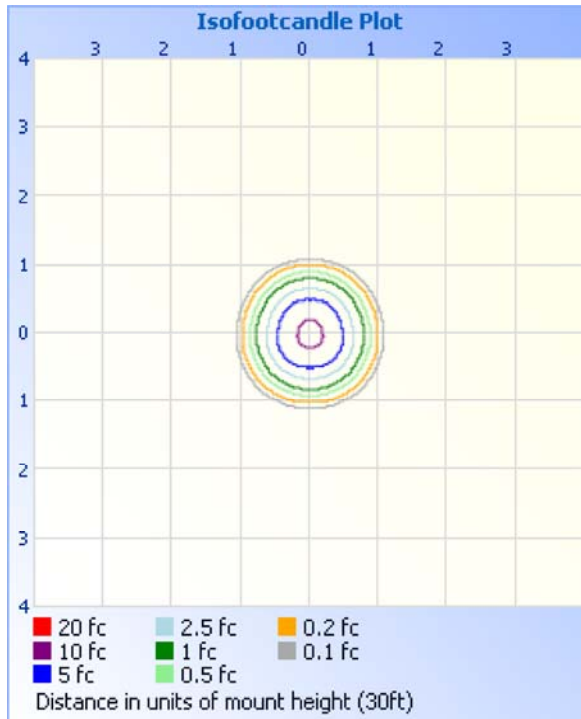
Nema Type: 5 X 5

**Zonal Lumen Summary**

| Zone   | Lumens  | % Luminaire |
|--------|---------|-------------|
| 0-30   | 6,418.1 | 72.6%       |
| 0-40   | 8,329.5 | 94.3%       |
| 0-60   | 8,837.2 | 100%        |
| 60-90  | 0.4     | 0%          |
| 70-100 | 0       | 0%          |
| 90-120 | 0       | 0%          |
| 0-90   | 8,837.5 | 100%        |
| 90-180 | 0       | 0%          |
| 0-180  | 8,837.5 | 100%        |

**Lumens Per Zone**

| Zone  | Lumens  | % Total | Zone    | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10  | 1,030.9 | 11.7%   | 90-100  | 0      | 0%      |
| 10-20 | 2,416.7 | 27.3%   | 100-110 | 0      | 0%      |
| 20-30 | 2,970.6 | 33.6%   | 110-120 | 0      | 0%      |
| 30-40 | 1,911.4 | 21.6%   | 120-130 | 0      | 0%      |
| 40-50 | 468.9   | 5.3%    | 130-140 | 0      | 0%      |
| 50-60 | 38.8    | 0.4%    | 140-150 | 0      | 0%      |
| 60-70 | 0.4     | 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      | 1.14 | 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  | .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  |
| 3      | 1.03 | .97  | .92  | .88  | 1.01 | .95  | .91  | .83  | .93  | .89  | .86  | .90  | .87  | .85  | .88  | .85  | .83  | .82  |
| 4      | .98  | .90  | .85  | .81  | .96  | .89  | .84  | .77  | .87  | .83  | .80  | .85  | .82  | .79  | .83  | .80  | .78  | .76  |
| 5      | .93  | .85  | .79  | .75  | .91  | .84  | .79  | .72  | .82  | .77  | .74  | .80  | .76  | .73  | .79  | .75  | .73  | .71  |
| 6      | .88  | .80  | .74  | .70  | .87  | .79  | .73  | .68  | .77  | .73  | .69  | .76  | .72  | .68  | .75  | .71  | .68  | .67  |
| 7      | .84  | .75  | .69  | .65  | .83  | .74  | .69  | .64  | .73  | .68  | .64  | .72  | .67  | .64  | .71  | .67  | .64  | .62  |
| 8      | .80  | .71  | .65  | .61  | .79  | .70  | .65  | .60  | .69  | .64  | .60  | .68  | .64  | .60  | .67  | .63  | .60  | .59  |
| 9      | .76  | .67  | .61  | .57  | .75  | .66  | .61  | .56  | .65  | .60  | .57  | .65  | .60  | .57  | .64  | .60  | .56  | .55  |
| 10     | .73  | .63  | .58  | .54  | .72  | .63  | .57  | .53  | .62  | .57  | .54  | .61  | .57  | .53  | .61  | .56  | .53  | .52  |

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[TESTLAB] Intertek

[ISSUE DATE] 10/17/19

[MANUFAC] Aquarii

[LUMCAT] Model: Lieto - 70 Degree Beamspread - 150 Watts - 3000K White Light - Hexcel

[LUMINAIRE] Stage Light

[LAMP] LED

[\_TOTAL LUMINAIRE LUMENS] 8852.5

[USER DEFINED] 120.05 AC, 1127.5 MA, 147.4 W, 0.9904 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.