

Filename: LTO-150-27x60-30-RJ45-80-NL_rep

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 27x60 Degree Beamspread - 150
Watts - 3000K White Light

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 11846.7

Max Candela: 57,376.7 at Horizontal: 0°, Vertical: 0°

Input Wattage: 144.3

Luminous Opening: Circular (Dia: 9.48")

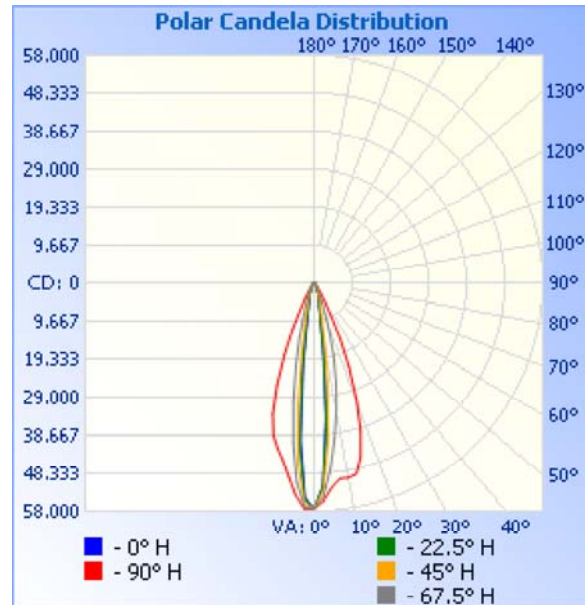
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

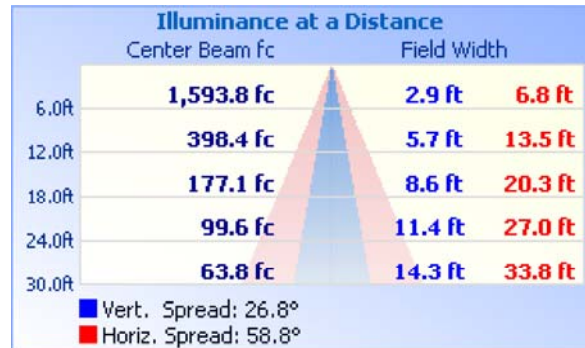
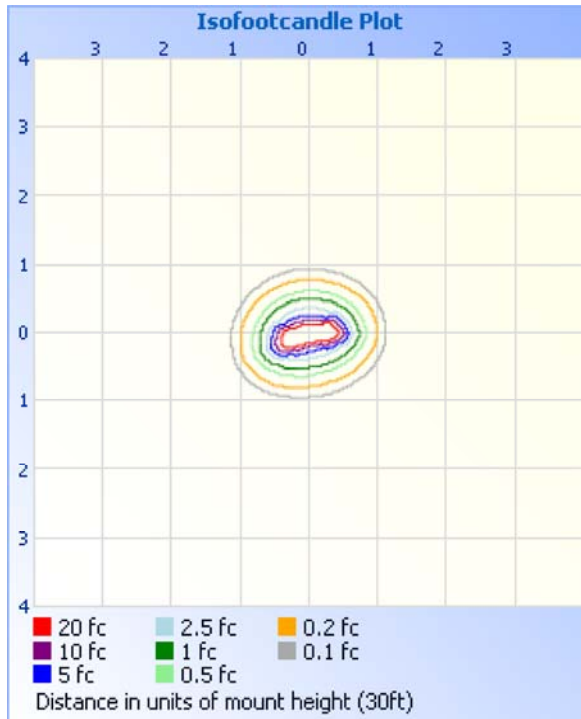
Nema Type: 4 X 2

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|--------|----------|-------------|
| 0-30 | 10,808.9 | 91.2% |
| 0-40 | 11,513.0 | 97.2% |
| 0-60 | 11,844.8 | 100% |
| 60-90 | 1.8 | 0% |
| 70-100 | 0 | 0% |
| 90-120 | 0 | 0% |
| 0-90 | 11,846.7 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 11,846.7 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 3,634.2 | 30.7% | 90-100 | 0 | 0% |
| 10-20 | 4,682.4 | 39.5% | 100-110 | 0 | 0% |
| 20-30 | 2,492.2 | 21.0% | 110-120 | 0 | 0% |
| 30-40 | 704.1 | 5.9% | 120-130 | 0 | 0% |
| 40-50 | 254.4 | 2.1% | 130-140 | 0 | 0% |
| 50-60 | 77.4 | 0.7% | 140-150 | 0 | 0% |
| 60-70 | 1.8 | 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 | 10 | 50 | 30 | 20 | 10 | 50 | 30 | 20 | 10 | 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 | 1.11 | 1.06 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.15 | 1.12 | 1.10 | 1.09 | 1.12 | 1.10 | 1.09 | .96 | 1.06 | 1.05 | 1.04 | 1.03 | 1.03 | 1.02 | 1.01 | .99 | .99 | .99 | .98 | .96 | .96 |
| 2 | 1.11 | 1.07 | 1.04 | 1.01 | 1.09 | 1.05 | 1.02 | .93 | 1.02 | 1.00 | .98 | .99 | .97 | .96 | .96 | .95 | .94 | .94 | .92 | .92 | .92 |
| 3 | 1.07 | 1.02 | .98 | .95 | 1.05 | 1.00 | .97 | .89 | .98 | .95 | .93 | .96 | .93 | .91 | .93 | .91 | .90 | .88 | .88 | .88 | .88 |
| 4 | 1.03 | .97 | .93 | .90 | 1.01 | .96 | .92 | .86 | .94 | .91 | .88 | .92 | .89 | .87 | .91 | .88 | .86 | .85 | .85 | .85 | .85 |
| 5 | 1.00 | .93 | .89 | .85 | .98 | .92 | .88 | .83 | .91 | .87 | .84 | .89 | .86 | .84 | .88 | .85 | .83 | .82 | .82 | .82 | .82 |
| 6 | .96 | .89 | .85 | .82 | .95 | .89 | .85 | .80 | .87 | .84 | .81 | .86 | .83 | .80 | .85 | .82 | .80 | .79 | .77 | .76 | .76 |
| 7 | .93 | .86 | .82 | .78 | .92 | .86 | .81 | .77 | .84 | .81 | .78 | .83 | .80 | .78 | .82 | .79 | .77 | .75 | .73 | .73 | .73 |
| 8 | .90 | .83 | .79 | .76 | .89 | .83 | .78 | .74 | .82 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .75 | .73 | .71 | .71 | .71 |
| 9 | .88 | .80 | .76 | .73 | .87 | .80 | .76 | .72 | .79 | .75 | .73 | .78 | .75 | .72 | .78 | .74 | .72 | .71 | .69 | .69 | .69 |
| 10 | .85 | .78 | .73 | .70 | .84 | .77 | .73 | .70 | .77 | .73 | .70 | .76 | .72 | .70 | .75 | .72 | .70 | .69 | .69 | .69 | .69 |

Luminaire Report Summary

IESNA:LM-63-2002

[LUMCAT] Model: Lieto - 27x60 Degree Beamsread - 150 Watts - 3000K White Light

[LUMINAIRE] Stage Light

[LAMP] LED

[USER DEFINED] 120.09 AC, 1207.4 mA, 144.26 W, 0.9949 PF

[TEST]

[TESTLAB] Intertek

[ISSUEDATE] 03/04/2019

[MANUFAC] Aquarii

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.