

Filename: LTO-125-70-30-RJ45-80-HX_rep

Manufacturer: Aquarii

Luminaire: Stage Light

Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 125 Watts - 3000K White Light - Hexcel

Lamp: LED

Lamp Output: 1 lamp, total luminaire Lumens: 8170.2

Max Candela: 11,374.2 at Horizontal: 0°, Vertical: 0°

Input Wattage: 124.1

Luminous Opening: Circular (Dia: 11.04")

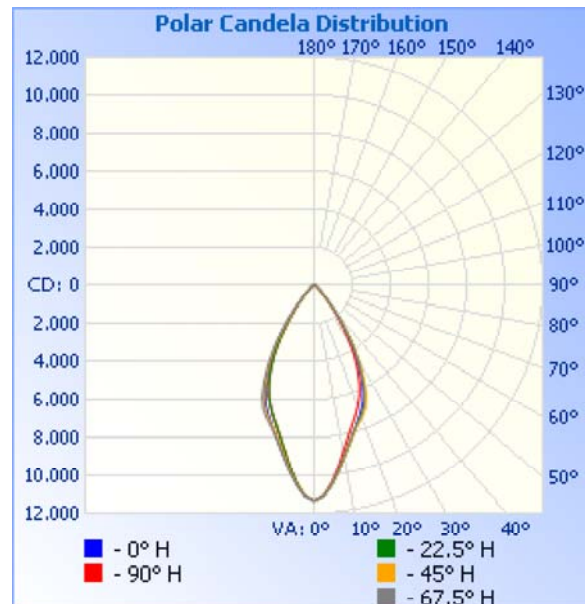
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

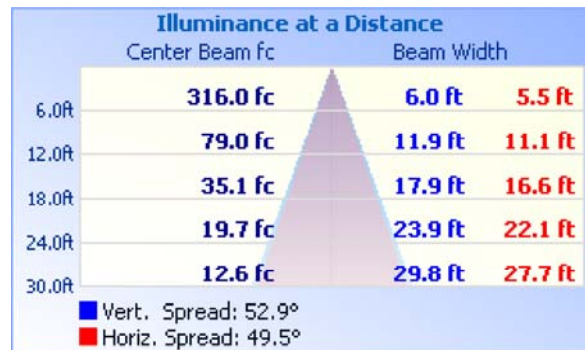
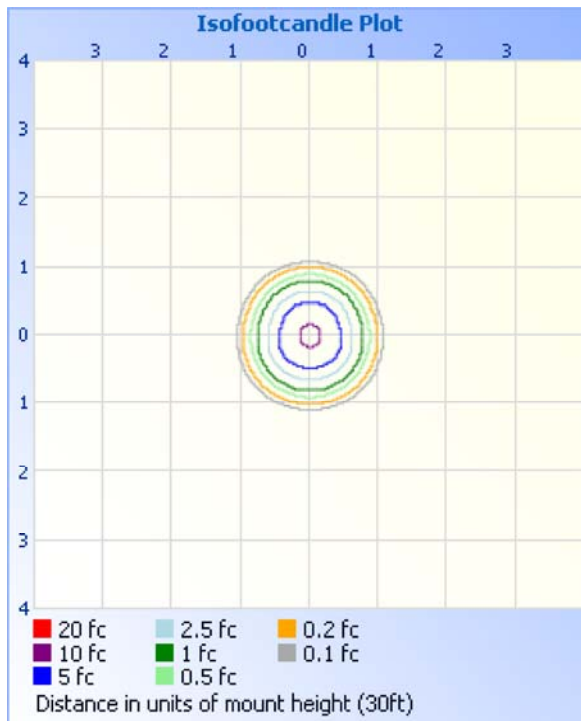
Nema Type: 5 X 5

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 5,933.5 | 72.6% |
| 0-40 | 7,700.5 | 94.3% |
| 0-60 | 8,169.9 | 100% |
| 60-90 | 0.3 | 0% |
| 70-100 | 0 | 0% |
| 90-120 | 0 | 0% |
| 0-90 | 8,170.2 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 8,170.2 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 953.1 | 11.7% | 90-100 | 0 | 0% |
| 10-20 | 2,234.1 | 27.3% | 100-110 | 0 | 0% |
| 20-30 | 2,746.3 | 33.6% | 110-120 | 0 | 0% |
| 30-40 | 1,767.0 | 21.6% | 120-130 | 0 | 0% |
| 40-50 | 433.5 | 5.3% | 130-140 | 0 | 0% |
| 50-60 | 35.8 | 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 | 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 - 125 Watts - 3000K White Light - Hexcel

[LUMINAIRE] Stage Light

[LAMP] LED

[_TOTAL LUMINAIRE LUMENS] 8294.6

[USER DEFINED] 120.1 AC, 1033.31 MA, 124.1 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.