



Filename: AX-75-30-110

Manufacturer: AQUARII, INC.

Luminaire: AXCELERON

Lamp: 3000K, 110DEG

Lamp Output: 1 lamp, total luminaire Lumens: 4977.8

Max Candela: 2,605.6 at Horizontal: 90°, Vertical: 2.5°

Input Wattage: 78.6

Luminous Opening: Circular (Dia: 9.48")

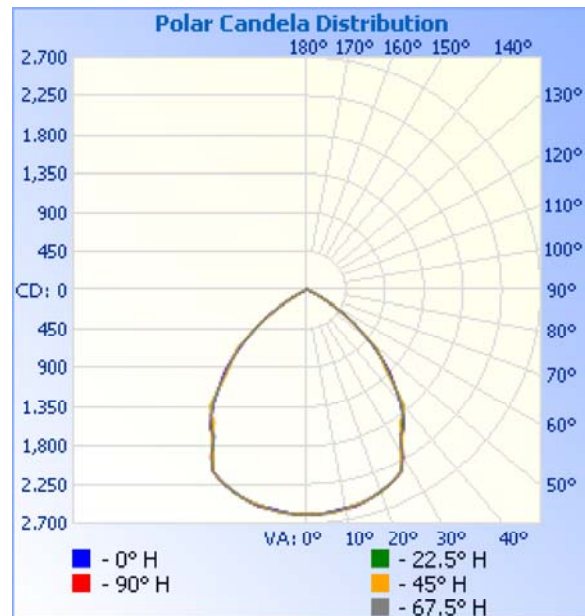
Test Lab: INTERTEK

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 6 X 6

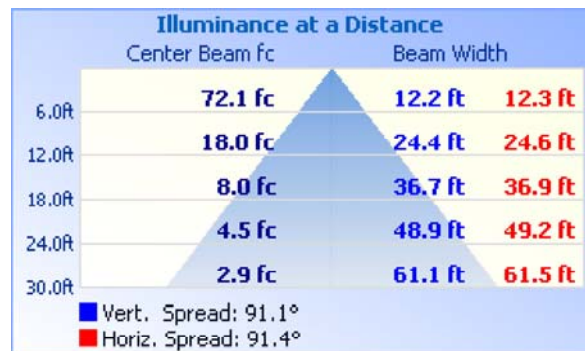


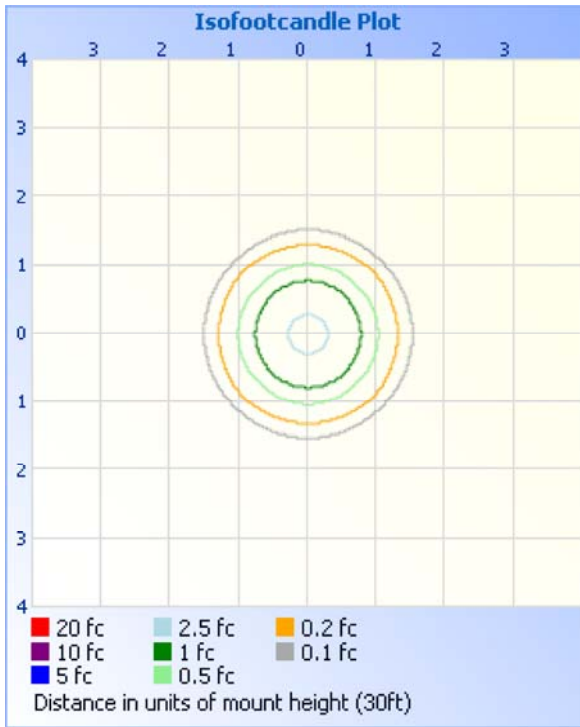
Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 2,065.7 | 41.5% |
| 0-40 | 3,269.0 | 65.7% |
| 0-60 | 4,863.8 | 97.7% |
| 60-90 | 114.0 | 2.3% |
| 70-100 | 8.3 | 0.2% |
| 90-120 | 0 | 0% |
| 0-90 | 4,977.8 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 4,977.8 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 246.5 | 5.0% | 90-100 | 0 | 0% |
| 10-20 | 717.0 | 14.4% | 100-110 | 0 | 0% |
| 20-30 | 1,102.3 | 22.1% | 110-120 | 0 | 0% |
| 30-40 | 1,203.3 | 24.2% | 120-130 | 0 | 0% |
| 40-50 | 1,021.2 | 20.5% | 130-140 | 0 | 0% |
| 50-60 | 573.5 | 11.5% | 140-150 | 0 | 0% |
| 60-70 | 105.8 | 2.1% | 150-160 | 0 | 0% |
| 70-80 | 8.3 | 0.2% | 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 | | | |
| RW %: | | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 0 | 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 | | 1.12 | 1.09 | 1.06 | 1.03 | 1.09 | 1.06 | 1.04 | .91 | 1.02 | 1.00 | .98 | .98 | .97 | .95 | .95 | .94 |
| 2 | | 1.04 | .98 | .93 | .89 | 1.02 | .96 | .92 | .81 | .93 | .89 | .86 | .90 | .87 | .84 | .87 | .85 |
| 3 | | .97 | .89 | .83 | .78 | .95 | .87 | .82 | .73 | .85 | .80 | .76 | .82 | .78 | .74 | .80 | .76 |
| 4 | | .90 | .81 | .74 | .68 | .88 | .79 | .73 | .65 | .77 | .71 | .67 | .75 | .70 | .66 | .73 | .69 |
| 5 | | .84 | .73 | .66 | .60 | .82 | .72 | .65 | .58 | .70 | .64 | .60 | .69 | .63 | .59 | .67 | .62 |
| 6 | | .78 | .67 | .59 | .54 | .77 | .66 | .59 | .52 | .64 | .58 | .53 | .63 | .57 | .53 | .61 | .56 |
| 7 | | .73 | .61 | .54 | .49 | .72 | .61 | .53 | .47 | .59 | .53 | .48 | .58 | .52 | .48 | .57 | .51 |
| 8 | | .68 | .57 | .49 | .44 | .67 | .56 | .49 | .43 | .55 | .48 | .44 | .53 | .48 | .43 | .52 | .47 |
| 9 | | .64 | .52 | .45 | .40 | .63 | .52 | .45 | .39 | .51 | .44 | .40 | .50 | .44 | .40 | .49 | .43 |
| 10 | | .60 | .48 | .41 | .37 | .59 | .48 | .41 | .36 | .47 | .41 | .36 | .46 | .40 | .36 | .45 | .40 |

Luminaire Report Summary

IESNA:LM-63-2002
 [LUMCAT]
 [LUMINAIRE] AXCELERON
 [LAMP] 3000K, 110DEG
 [USER DEFINED] 120.06 AC, 663.6 mA, 78.73 W, 0.9883 PF
 [TEST]
 [TESTLAB] INTERTEK
 [ISSUEDATE] 2018-01-25
 [MANUFAC] AQUARII, INC.

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

