



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALX HI 3 UV 850-EHS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Q2018032101 scaled from 256w

[TESTLAB] QSSI

[ISSUE DATE] 2018-3-21

[MANUFAC] LumenFocus, LLC

[LUMCAT] ALX HI 3 UV 850-EHS

[LUMINAIRE] ALX WITH TWO 256W LED ARRAYS, HOUSE SIDE SHIELD

[LAMPCAT] SAMSUNG 351B-N WITH TYPE III OPTICS

[LAMP] SAMSUNG 351B-N

### CHARACTERISTICS

|   |                                  |
|---|----------------------------------|
| IES Classification                              | Type III                         |
| Longitudinal Classification                     | Very Short                       |
| Lumens Per Lamp                                 | N.A. (absolute)                  |
| Total Lamp Lumens                               | N.A. (absolute)                  |
| Luminaire Lumens                                | 41540                            |
| Downward Total Efficiency                       | N.A. (absolute)                  |
| Total Luminaire Efficiency                      | N.A. (absolute)                  |
| Luminaire Efficacy Rating (LER)                 | 75                               |
| Total Luminaire Watts                           | 556                              |
| Ballast Factor                                  | 1.00                             |
| Upward Waste Light Ratio                        | 0.00                             |
| Maximum Candela                                 | 21589                            |
| Maximum Candela Angle                           | 10H 60V                          |
| Maximum Candela (<90 Degrees Vertical)          | 21589                            |
| Maximum Candela Angle (<90 Degrees Vertical)    | 10H 60V                          |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)        |
| Maximum Candela from 80 to <90 Degrees Vertical | 1414.756 (3.4% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                  |

**IES ROAD REPORT**  
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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

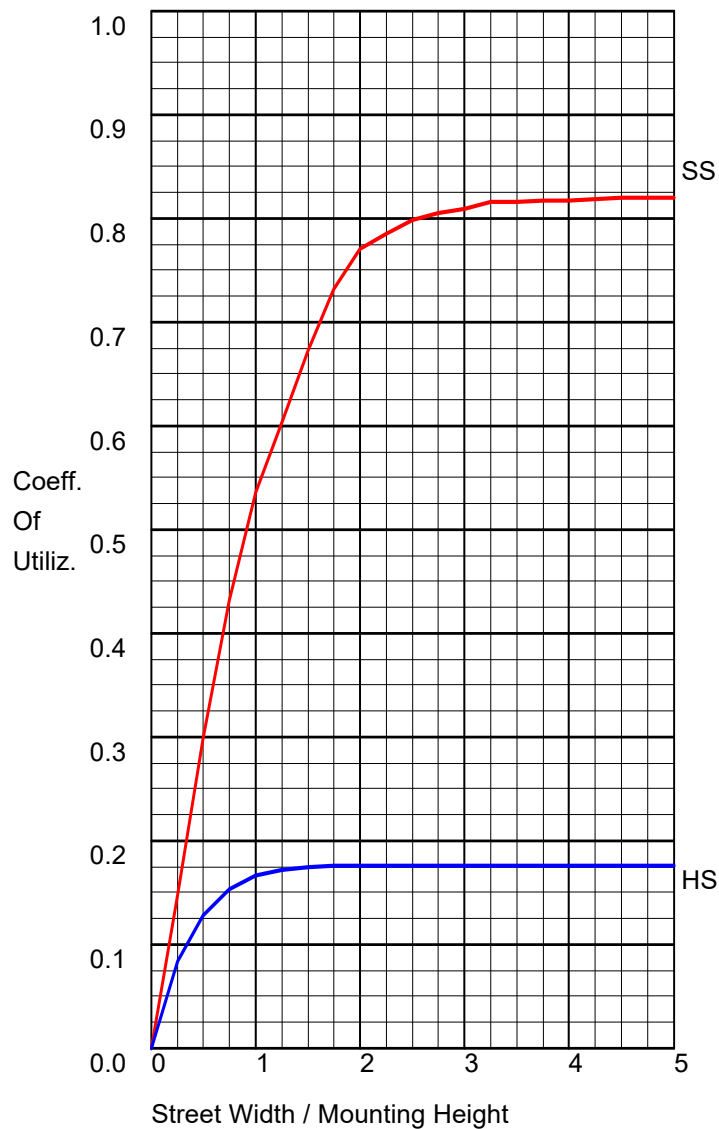
|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 7019.6   | N.A.   | 16.9        |
| FM - Front-Medium (30-60)     | 19341.0  | N.A.   | 46.6        |
| FH - Front-High (60-80)       | 7654.3   | N.A.   | 18.4        |
| FVH - Front-Very High (80-90) | 190.5    | N.A.   | 0.5         |
| BL - Back-Low (0-30)          | 2564.3   | N.A.   | 6.2         |
| BM - Back-Medium (30-60)      | 4213.1   | N.A.   | 10.1        |
| BH - Back-High (60-80)        | 536.4    | N.A.   | 1.3         |
| BVH - Back-Very High (80-90)  | 20.9     | N.A.   | 0.1         |
| UL - Uplight-Low (90-100)     | 0.0      | N.A.   | 0.0         |
| UH - Uplight-High (100-180)   | 0.0      | N.A.   | 0.0         |
| Total                         | 41540.1  | N.A.   | 100.0       |
| BUG Rating                    | B4-U0-G4 |        |             |







COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

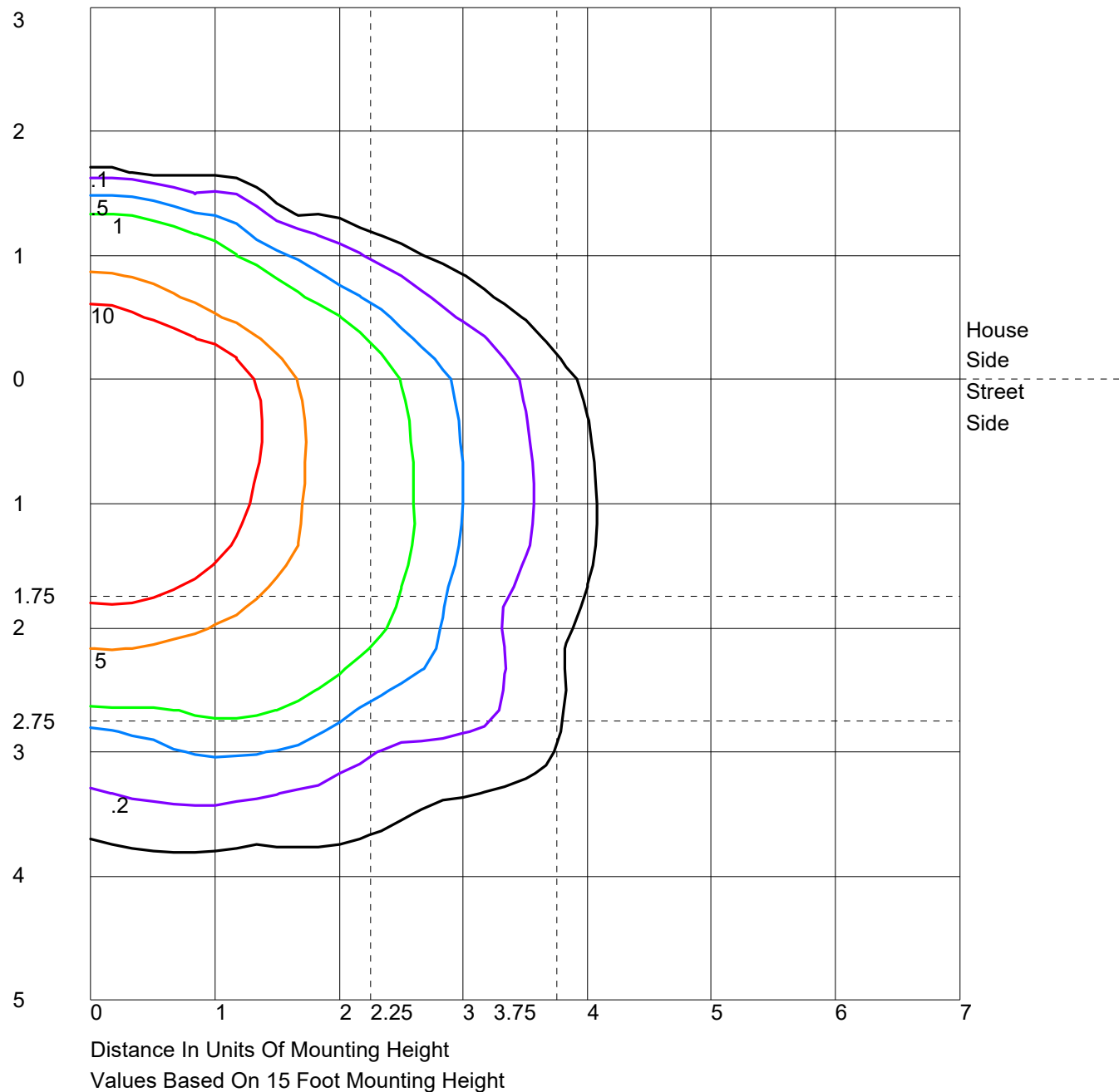
|                      | Lumens  | Percent<br>Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 34205.4 | 82.3                    |
| Downward House Side  | 7334.8  | 17.7                    |
| Downward Total       | 41540.2 | 100.0                   |
| Upward Street Side   | 0.0     | 0.0                     |
| Upward House Side    | 0.0     | 0.0                     |
| Upward Total         | 0.0     | 0.0                     |
| Total Flux           | 41540.2 | 100.0                   |

POLAR GRAPH

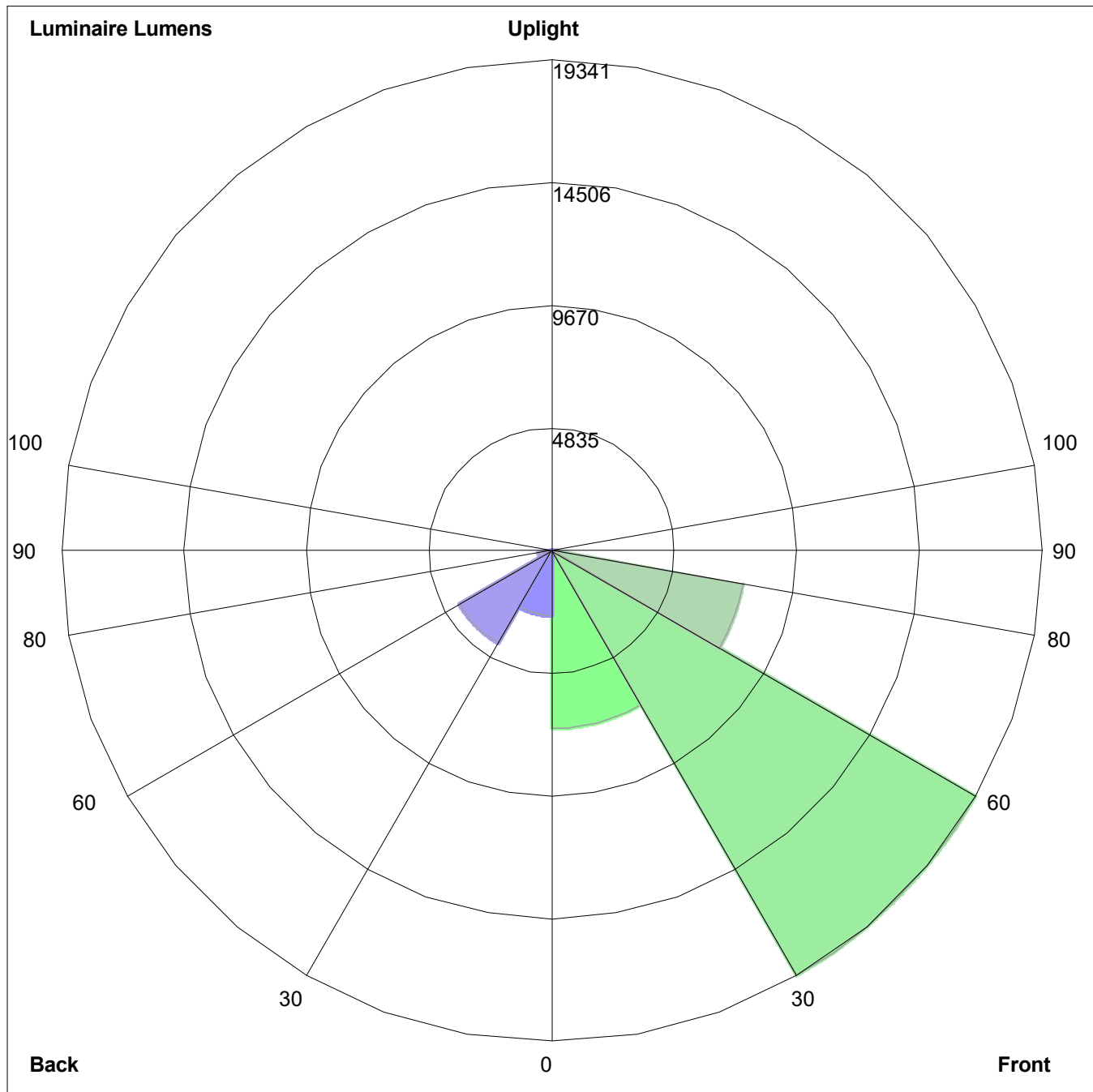


Maximum Candela = 21589 Located At Horizontal Angle = 10, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (10 - 190) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=7019.6, Medium= 19341.0, High=7654.3, Very High=190.5  
Back: Low=2564.3, Medium=4213.1, High=536.4, Very High=20.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4