



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALX HI S UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] Q2017011701-A  
[TESTLAB] QSSI  
[MANUFAC] LumenFocus, LLC  
[ISSUEDATE] 01/17/17  
[LUMCAT] ALX HI S UV 850  
[LUMINAIRE] ALX WITH TWO 256 WATT LED ARRAYS WITH 30 DEGREE OPTICS  
[LAMPCAT] SAMSUNG 351B LEDs  
[LAMP] SAMSUNG 351B LEDs

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	63418
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	549.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	133007.367
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	133007.367
Maximum Candela Angle (<90 Degrees Vertical)	270H 2.5V
Maximum Candela At 90 Degrees Vertical	17.069 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	819.612 (1.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	21123.5	N.A.	33.3
FM - Front-Medium (30-60)	7291.0	N.A.	11.5
FH - Front-High (60-80)	1590.5	N.A.	2.5
FVH - Front-Very High (80-90)	58.4	N.A.	0.1
BL - Back-Low (0-30)	22960.9	N.A.	36.2
BM - Back-Medium (30-60)	7497.8	N.A.	11.8
BH - Back-High (60-80)	1896.1	N.A.	3.0
BVH - Back-Very High (80-90)	108.3	N.A.	0.2
UL - Uplight-Low (90-100)	11.6	N.A.	0.0
UH - Uplight-High (100-180)	880.2	N.A.	1.4
Total	63418.3	N.A.	100.0
BUG Rating	B5-U4-G2		





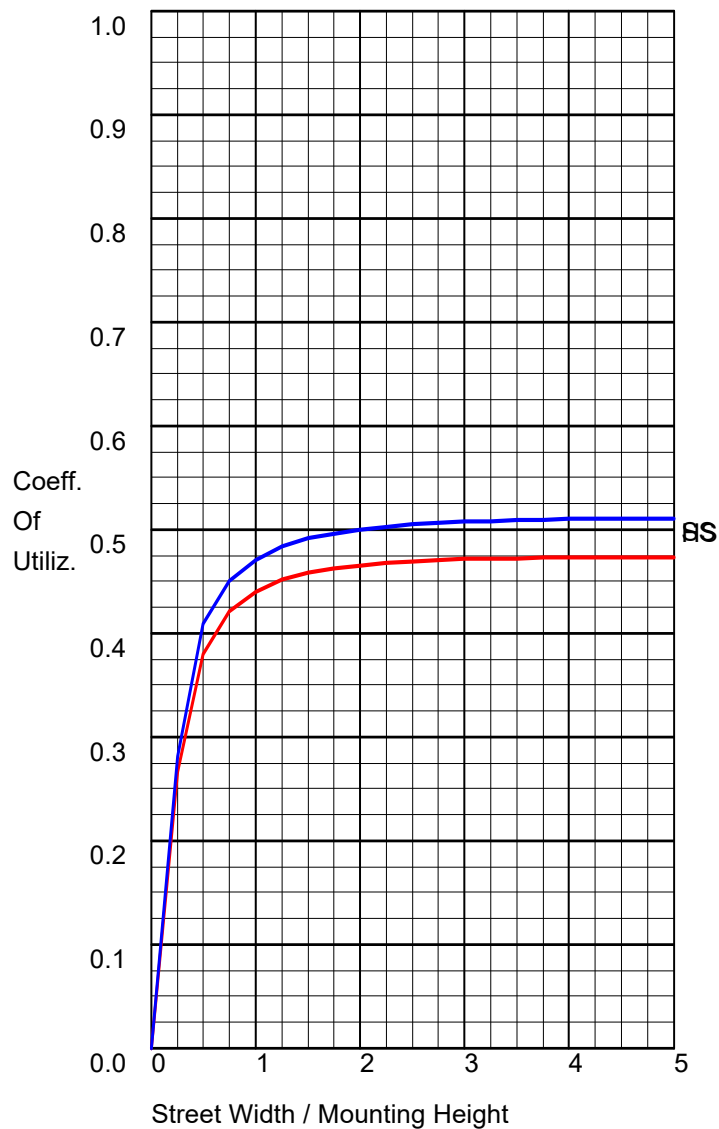








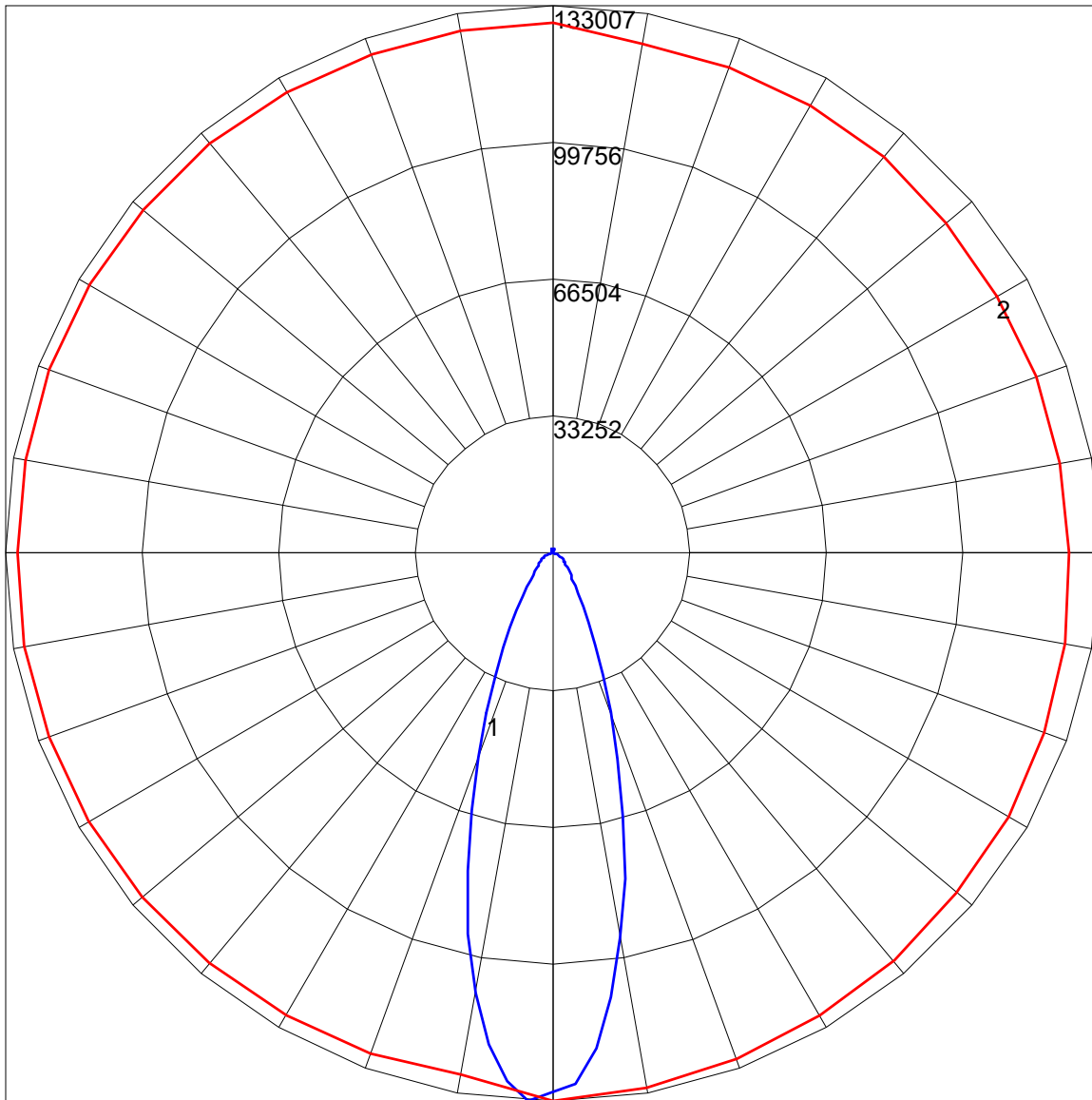
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

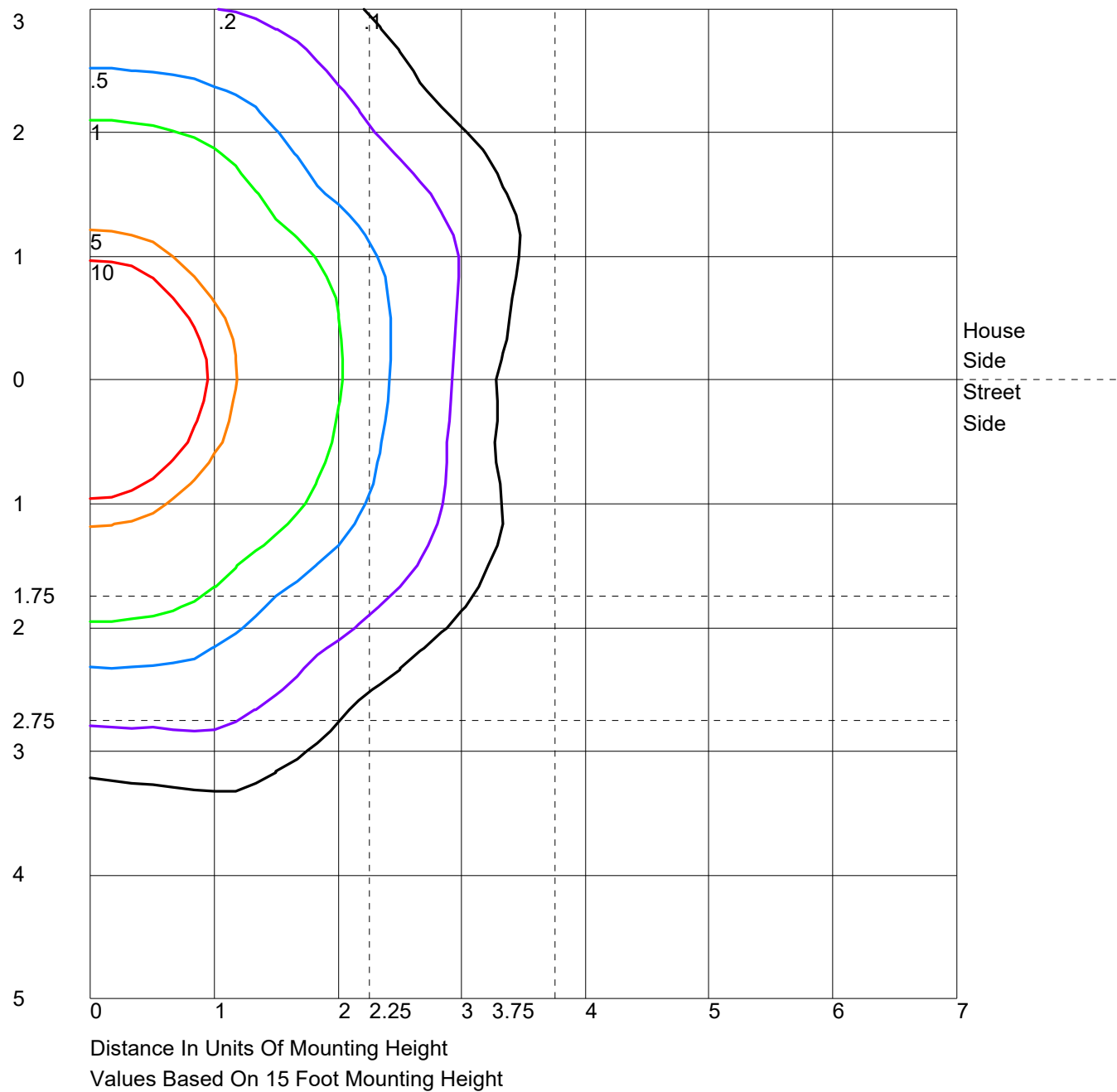
	Lumens	Percent Of Luminaire
Downward Street Side	30063.4	47.4
Downward House Side	32463.1	51.2
Downward Total	62526.5	98.6
Upward Street Side	458.3	0.7
Upward House Side	433.5	0.7
Upward Total	891.8	1.4
Total Flux	63418.3	100.0

POLAR GRAPH

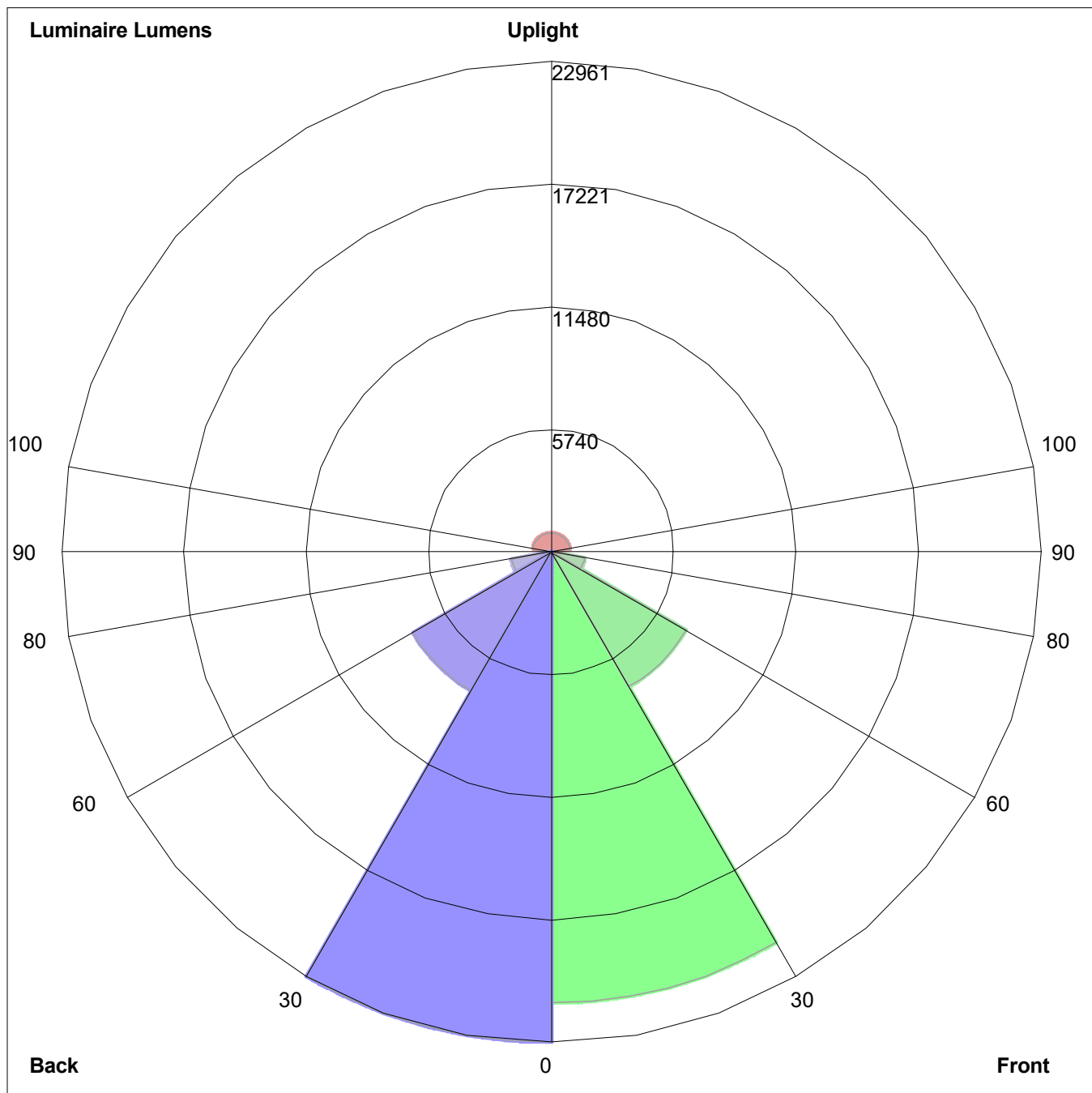


Maximum Candela = 133007.367 Located At Horizontal Angle = 270, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=21123.5, Medium= 7291.0, High=1590.5, Very High=58.4  
Back: Low=22960.9, Medium=7497.8, High=1896.1, Very High=108.3  
Uplight: Low=11.6, High=880.2

BUG Rating : B5-U4-G2