



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-100-50-3-D.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12500748.06  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/18/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-100-50-3-D (Scaled from AX-70-50-3-D)  
[LUMINAIRE] Gray metal housing, white plastic reflector and dome glass  
[MORE] lens  
[LAMP] One (1) white LED with optic below  
[BALLAST] Internal  
[OTHER] This test was performed using the calibrated photodetector met  
[MORE] hod of absolute photometry.

**CHARACTERISTICS**

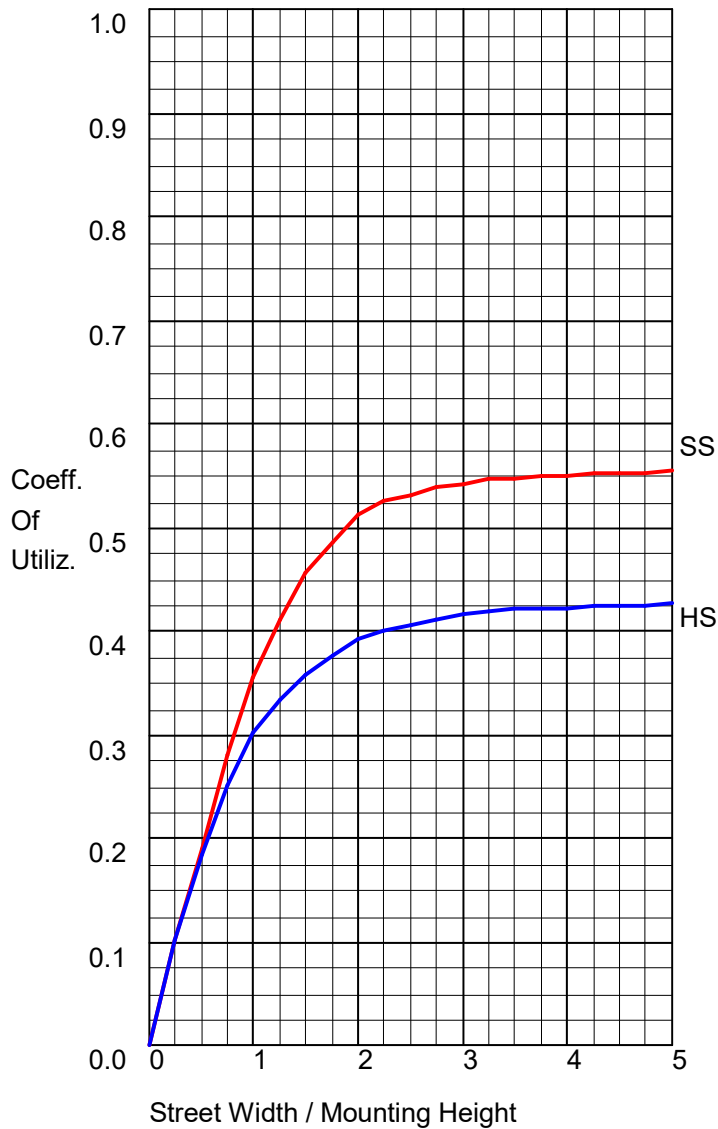
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12771
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	100
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	4748.875
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	4748.875
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	391.181 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2074.363 (16.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1052.4	N.A.	8.2
FM - Front-Medium (30-60)	3302.4	N.A.	25.9
FH - Front-High (60-80)	2543.5	N.A.	19.9
FVH - Front-Very High (80-90)	269.9	N.A.	2.1
BL - Back-Low (0-30)	1132.3	N.A.	8.9
BM - Back-Medium (30-60)	2636.4	N.A.	20.6
BH - Back-High (60-80)	1576.9	N.A.	12.3
BVH - Back-Very High (80-90)	182.8	N.A.	1.4
UL - Uplight-Low (90-100)	69.4	N.A.	0.5
UH - Uplight-High (100-180)	5.3	N.A.	0.0
Total	12771.3	N.A.	100.0
BUG Rating	B3-U3-G3		

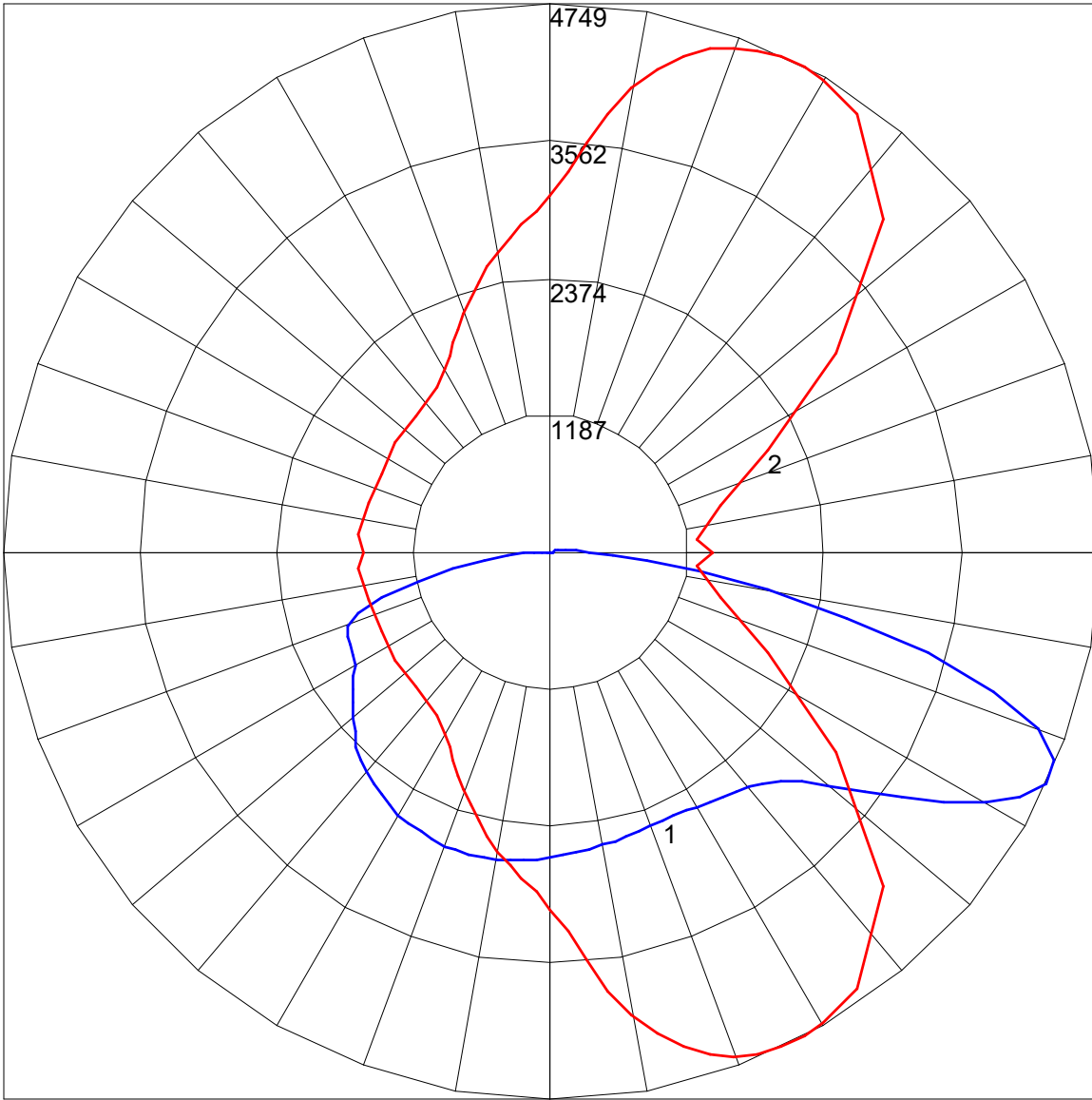
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

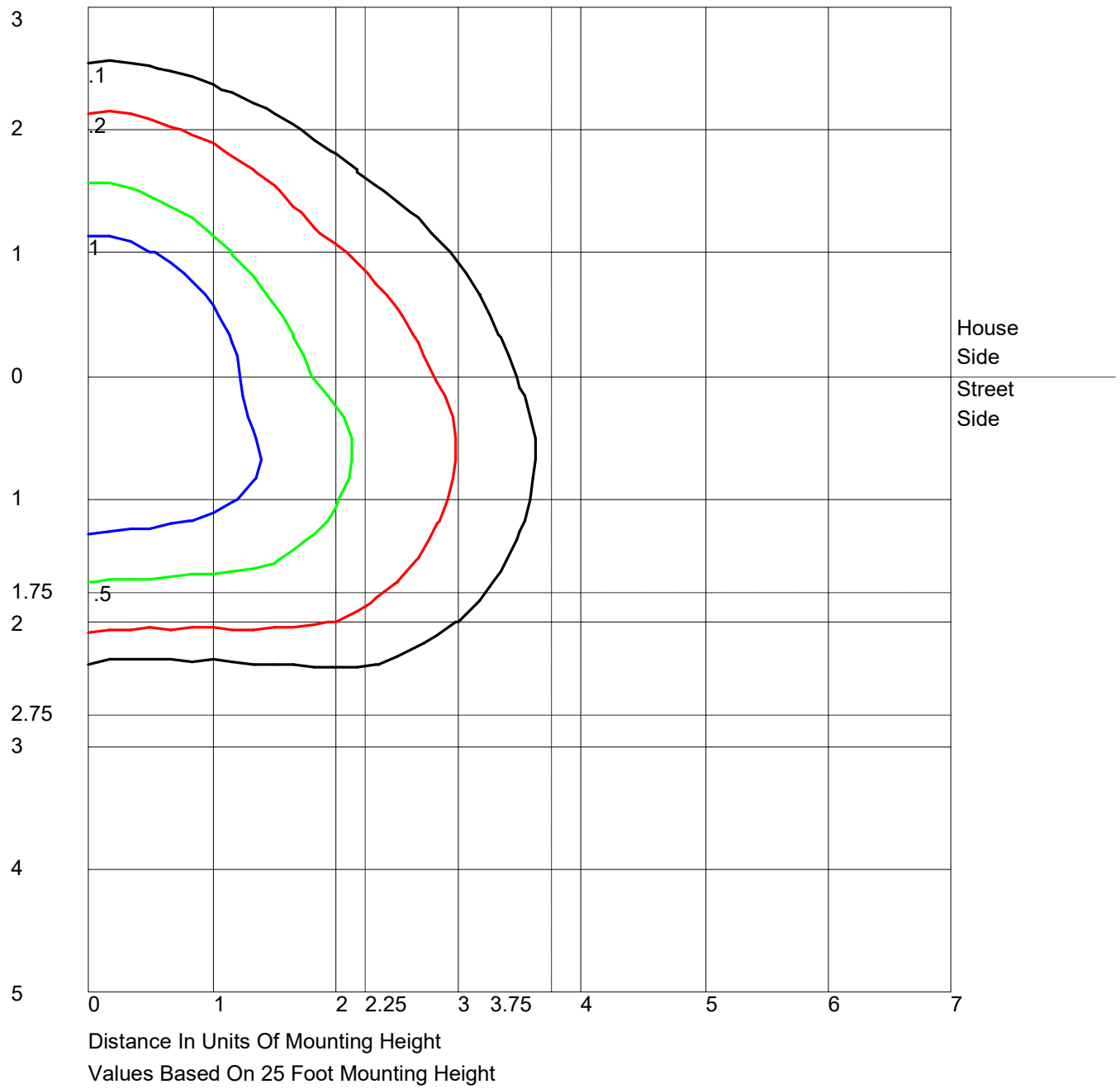
	Lumens	Percent Of Luminaire
Downward Street Side	7168.3	56.1
Downward House Side	5528.4	43.3
Downward Total	12696.7	99.4
Upward Street Side	47.4	0.4
Upward House Side	27.3	0.2
Upward Total	74.7	0.6
Total Flux	12771.4	100.0

POLAR GRAPH

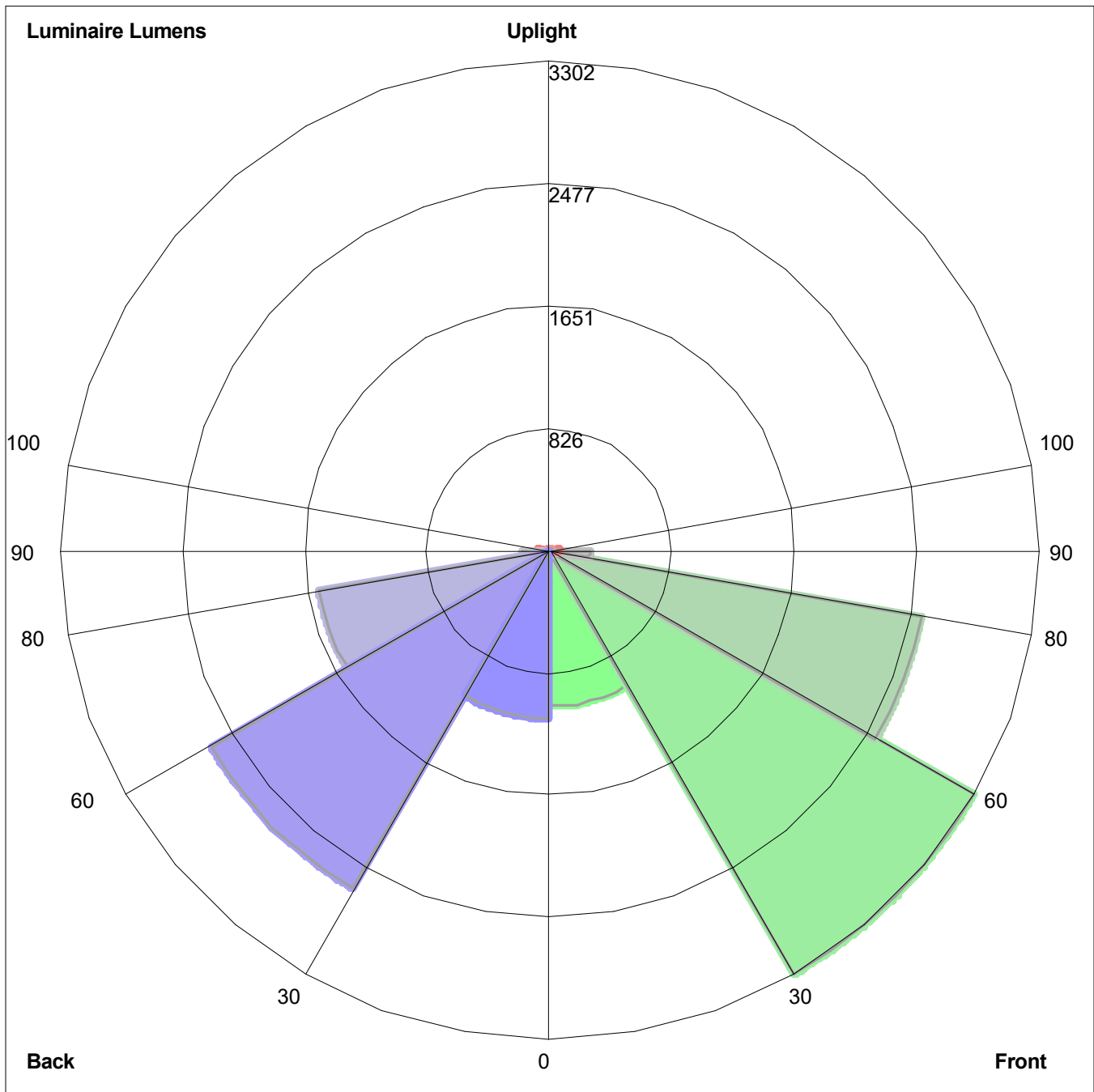


Maximum Candela = 4748.875 Located At Horizontal Angle = 62.5, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1052.4, Medium=3302.4, High=2543.5, Very High=269.9  
Back: Low=1132.3, Medium=2636.4, High=1576.9, Very High=182.8  
Uplight: Low=69.4, High=5.3

BUG Rating : B3-U3-G3