



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-30-27-3-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-30-27-3-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**

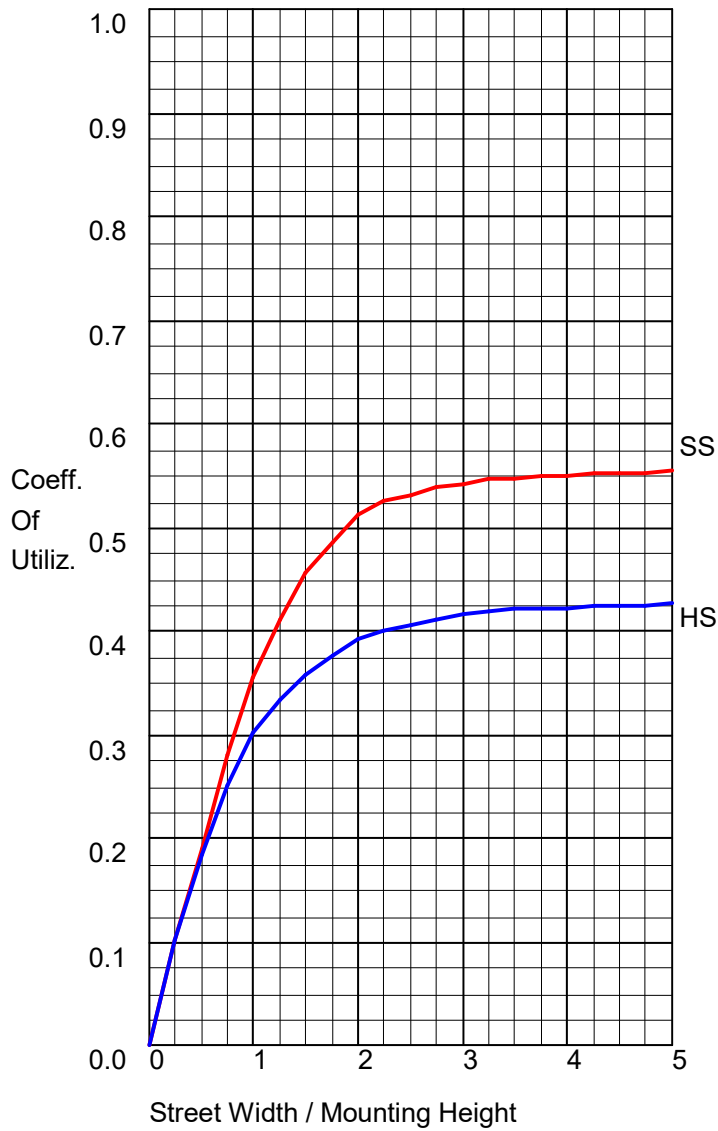
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3857
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	1434.296
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	1434.296
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	118.148 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	626.517 (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)	317.9	N.A.	8.2
FM - Front-Medium (30-60)	997.4	N.A.	25.9
FH - Front-High (60-80)	768.2	N.A.	19.9
FVH - Front-Very High (80-90)	81.5	N.A.	2.1
BL - Back-Low (0-30)	342.0	N.A.	8.9
BM - Back-Medium (30-60)	796.3	N.A.	20.6
BH - Back-High (60-80)	476.3	N.A.	12.3
BVH - Back-Very High (80-90)	55.2	N.A.	1.4
UL - Uplight-Low (90-100)	21.0	N.A.	0.5
UH - Uplight-High (100-180)	1.6	N.A.	0.0
Total	3857.4	N.A.	100.0
BUG Rating	B1-U2-G1		

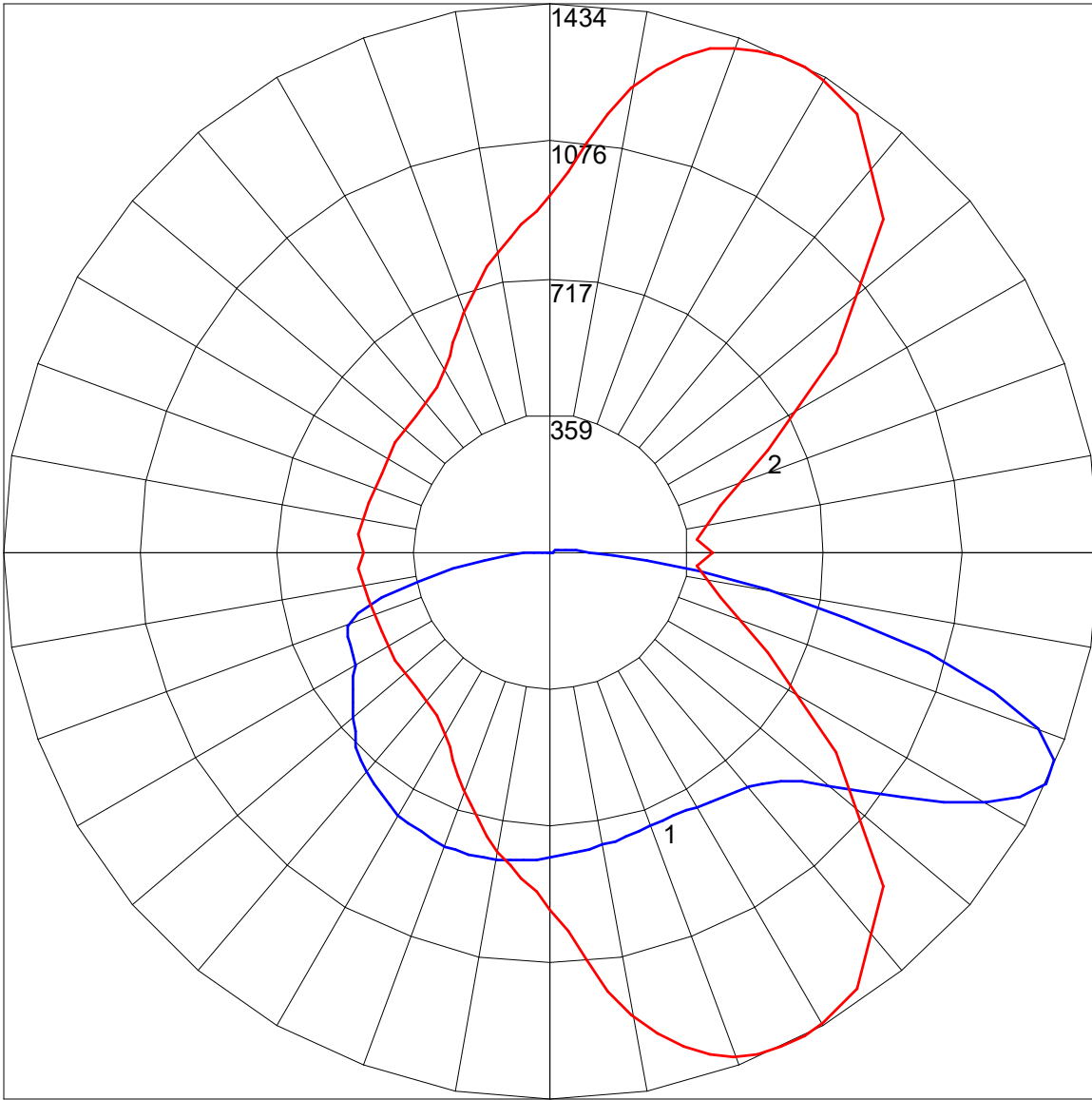
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

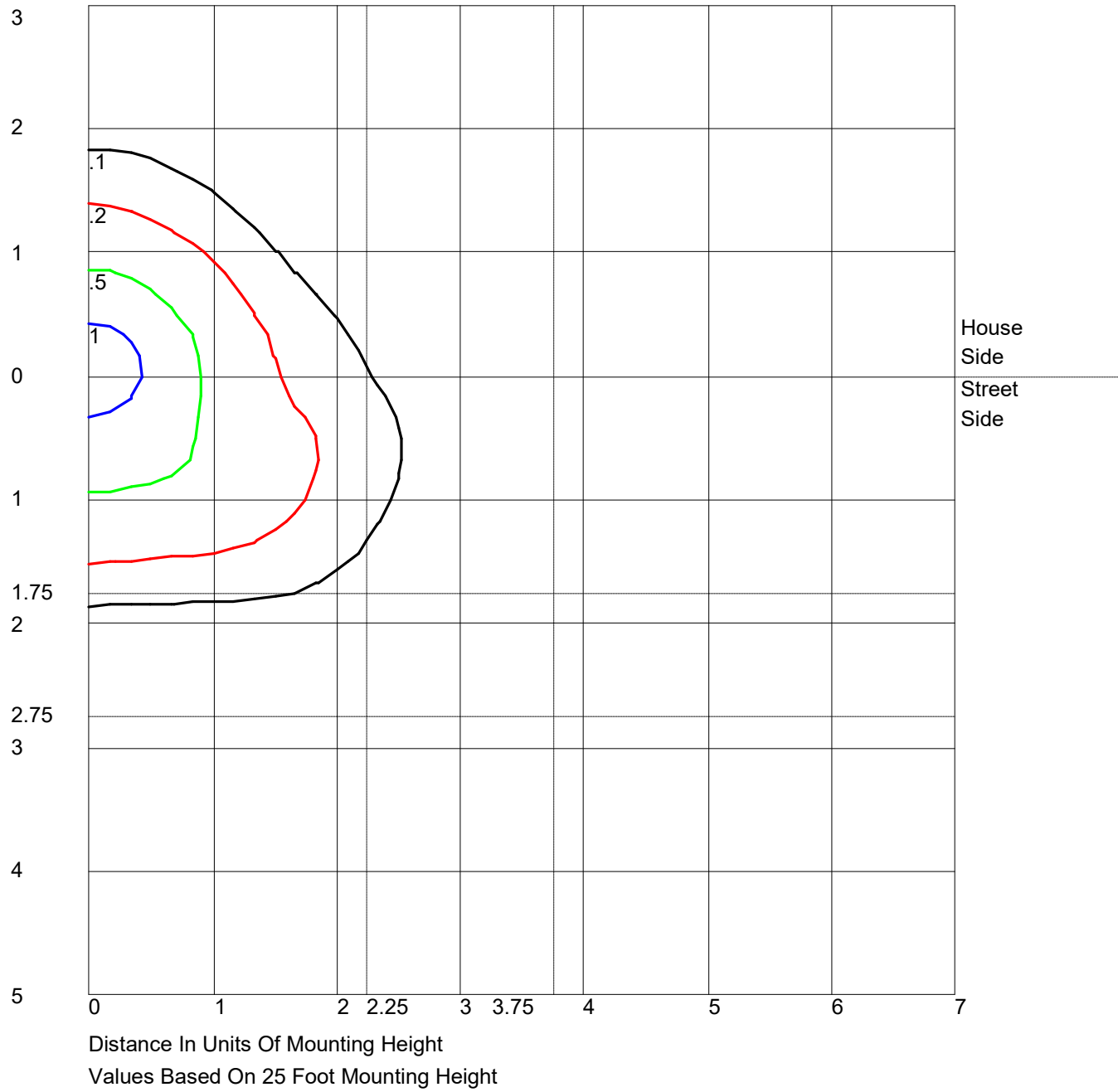
	Lumens	Percent Of Luminaire
Downward Street Side	2165.0	56.1
Downward House Side	1669.7	43.3
Downward Total	3834.7	99.4
Upward Street Side	14.3	0.4
Upward House Side	8.2	0.2
Upward Total	22.5	0.6
Total Flux	3857.2	100.0

POLAR GRAPH

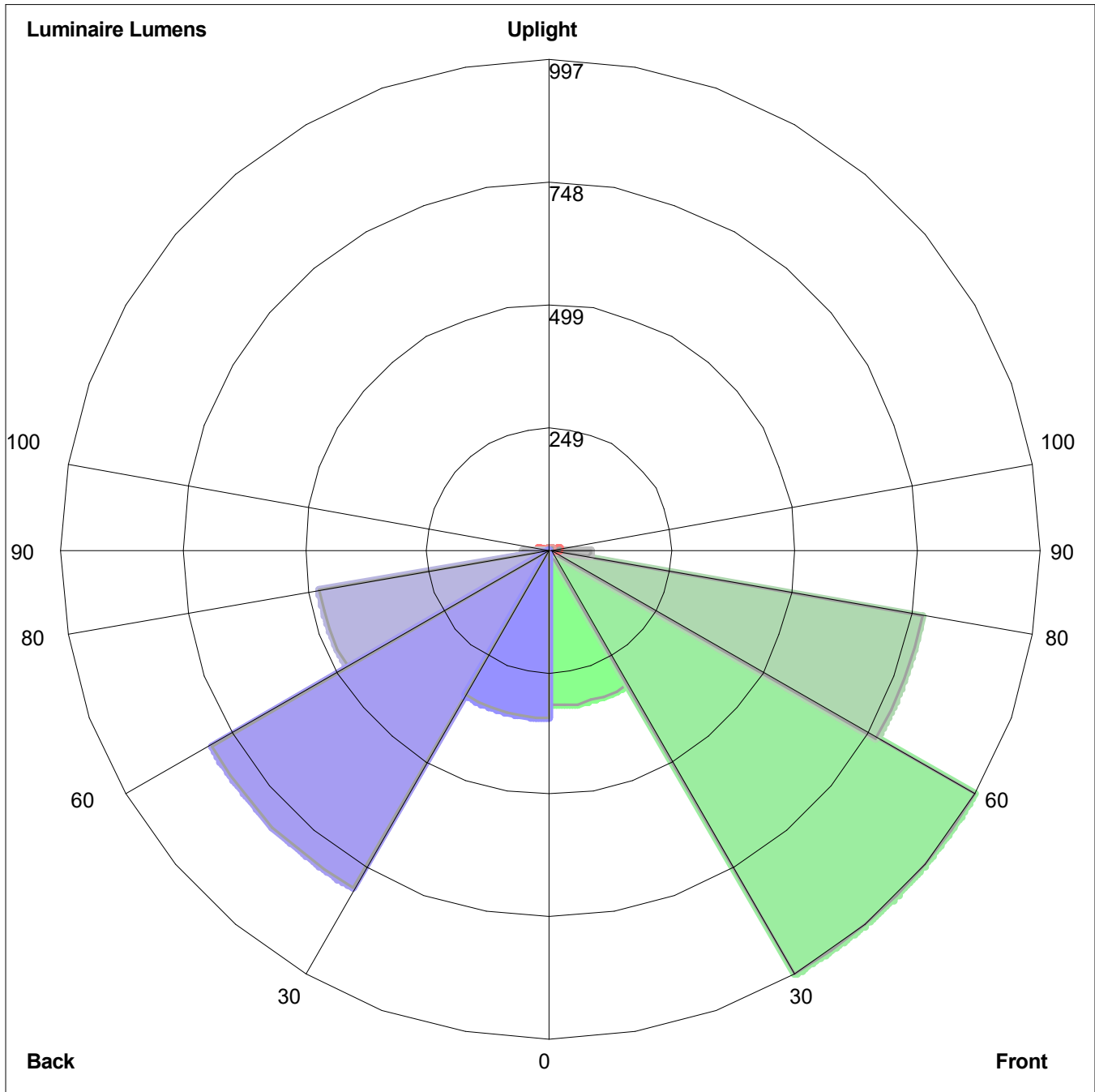


Maximum Candela = 1434.296 Located At Horizontal Angle = 62.5, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=317.9, Medium=997.4, High=768.2, Very High=81.5  
 Back: Low=342.0, Medium=796.3, High=476.3, Very High=55.2  
 Uplight: Low=21.0, High=1.6

BUG Rating : B1-U2-G1