



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-80-27-3-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-80-27-3-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**

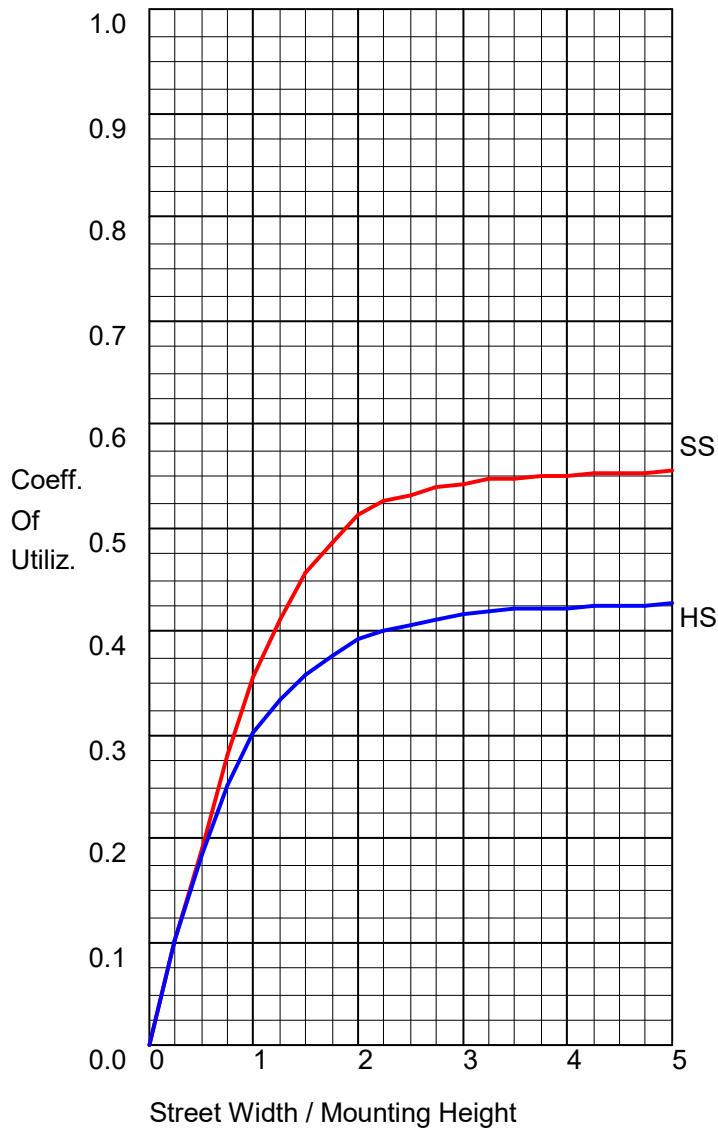
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8780
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	3264.629
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	3264.629
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	268.919 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1426.028 (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)	723.5	N.A.	8.2
FM - Front-Medium (30-60)	2270.2	N.A.	25.9
FH - Front-High (60-80)	1748.5	N.A.	19.9
FVH - Front-Very High (80-90)	185.6	N.A.	2.1
BL - Back-Low (0-30)	778.4	N.A.	8.9
BM - Back-Medium (30-60)	1812.4	N.A.	20.6
BH - Back-High (60-80)	1084.1	N.A.	12.3
BVH - Back-Very High (80-90)	125.7	N.A.	1.4
UL - Uplight-Low (90-100)	47.7	N.A.	0.5
UH - Uplight-High (100-180)	3.7	N.A.	0.0
Total	8779.8	N.A.	100.0
BUG Rating	B3-U2-G3		

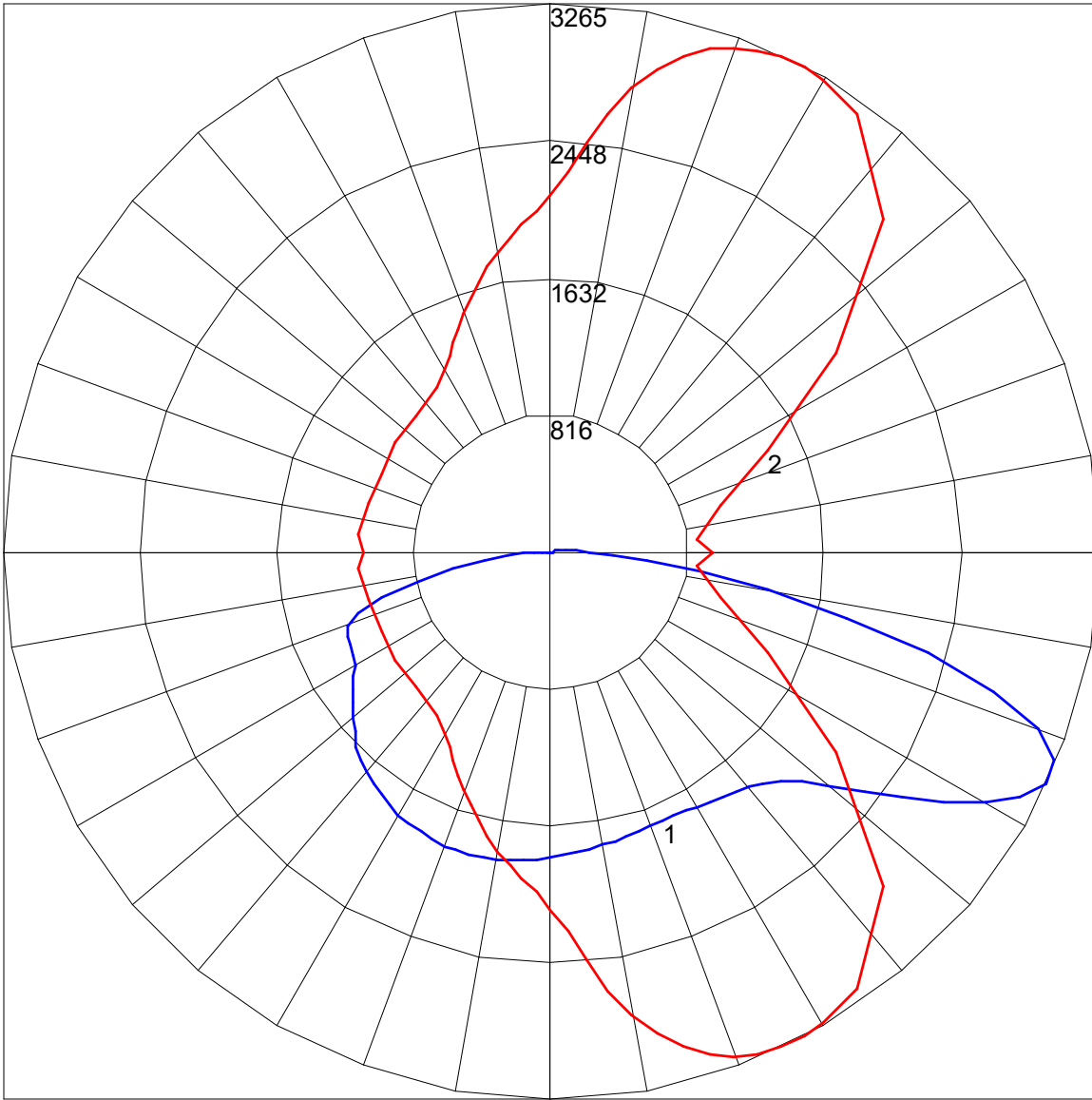
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

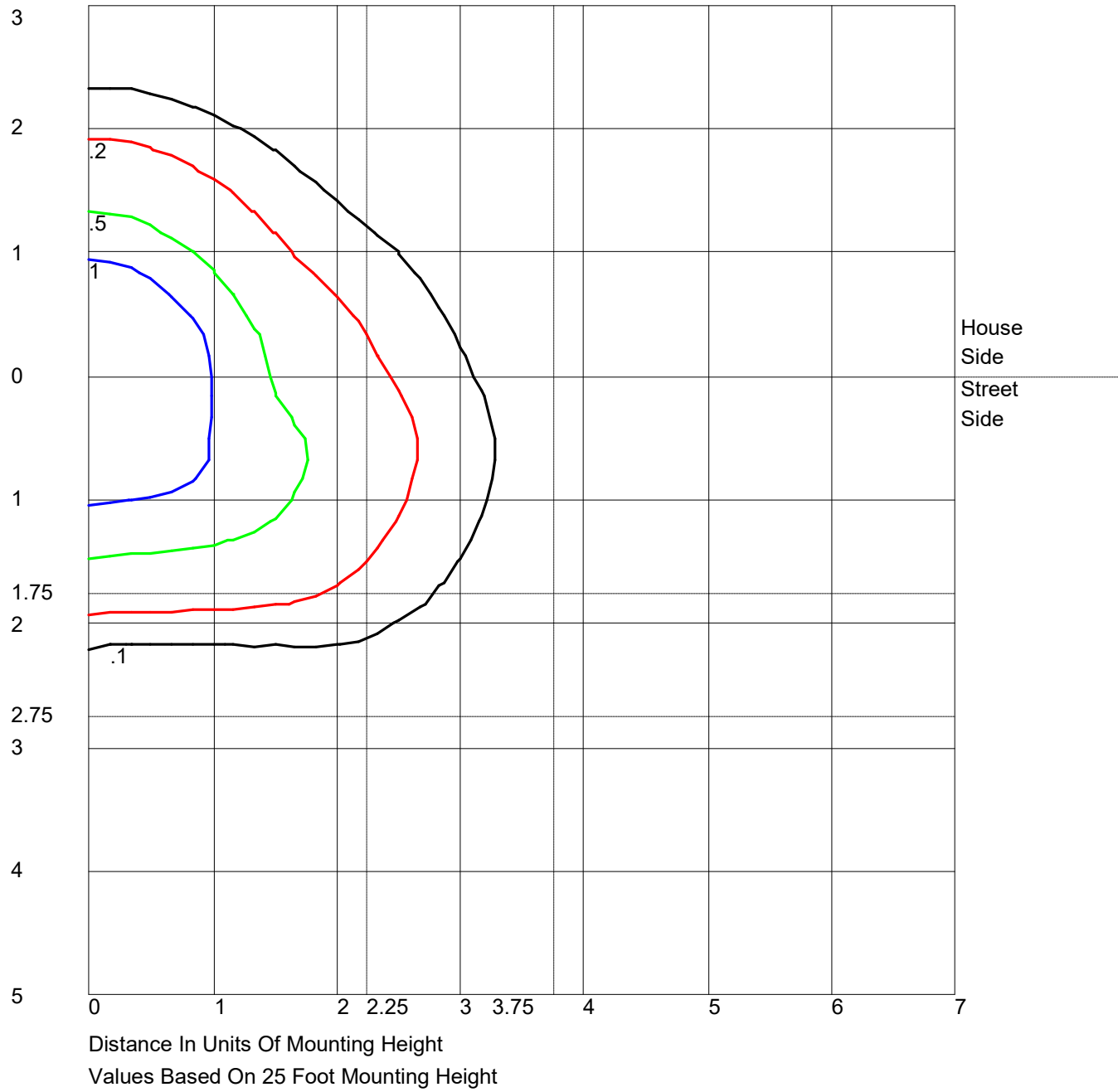
	Lumens	Percent Of Luminaire
Downward Street Side	4927.9	56.1
Downward House Side	3800.5	43.3
Downward Total	8728.4	99.4
Upward Street Side	32.6	0.4
Upward House Side	18.8	0.2
Upward Total	51.4	0.6
<b>Total Flux</b>	<b>8779.8</b>	<b>100.0</b>

POLAR GRAPH

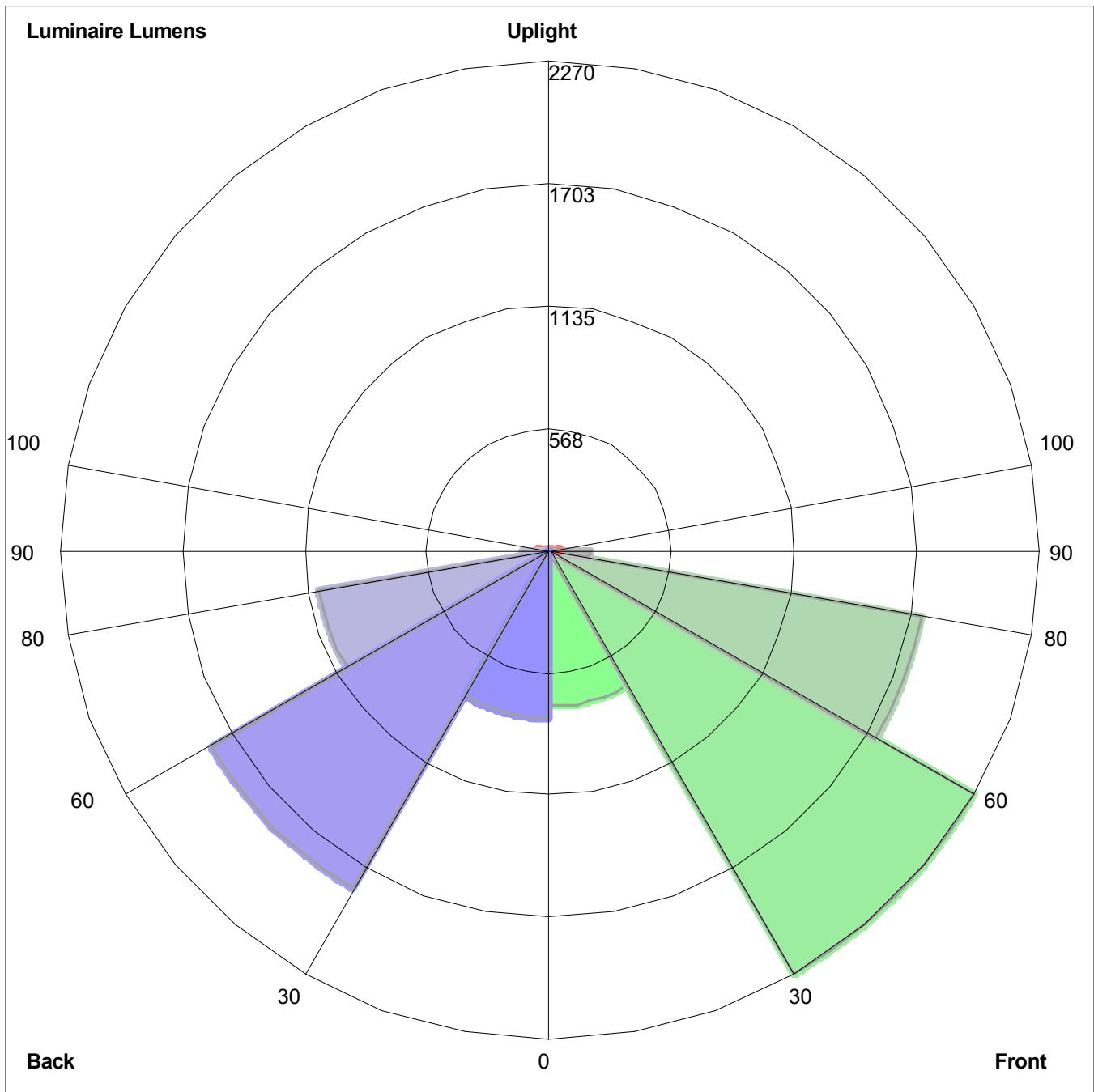


Maximum Candela = 3264.629 Located At Horizontal Angle = 62.5, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=723.5, Medium=2270.2, High=1748.5, Very High=185.6  
Back: Low=778.4, Medium=1812.4, High=1084.1, Very High=125.7  
Uplight: Low=47.7, High=3.7

BUG Rating : B3-U2-G3