



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-40-27-5-D.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12500748.02  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 9/18/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-40-27-5-D (Scaled from AX-40-50-5-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**

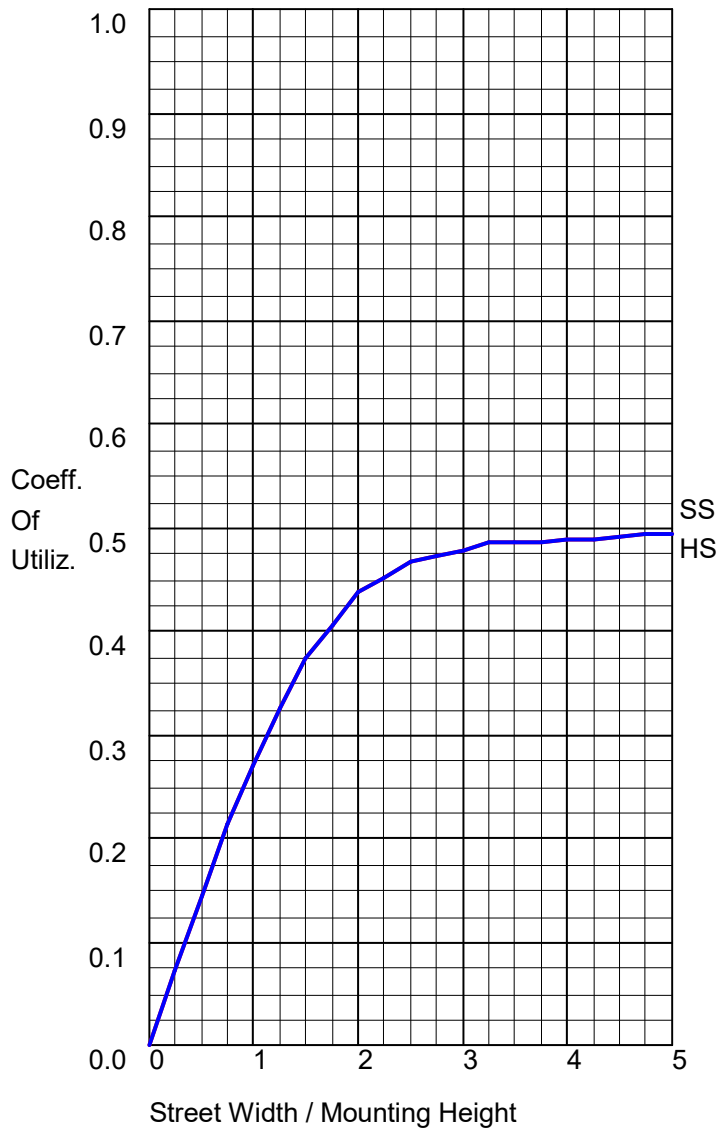
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4994
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1764.09
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	1764.09
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	24.96 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	131.123 (2.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	217.5	N.A.	4.4
FM - Front-Medium (30-60)	1272.4	N.A.	25.5
FH - Front-High (60-80)	963.3	N.A.	19.3
FVH - Front-Very High (80-90)	34.9	N.A.	0.7
BL - Back-Low (0-30)	217.5	N.A.	4.4
BM - Back-Medium (30-60)	1272.4	N.A.	25.5
BH - Back-High (60-80)	963.3	N.A.	19.3
BVH - Back-Very High (80-90)	34.9	N.A.	0.7
UL - Uplight-Low (90-100)	13.5	N.A.	0.3
UH - Uplight-High (100-180)	4.5	N.A.	0.1
Total	4994.2	N.A.	100.0
BUG Rating	B2-U2-G1		

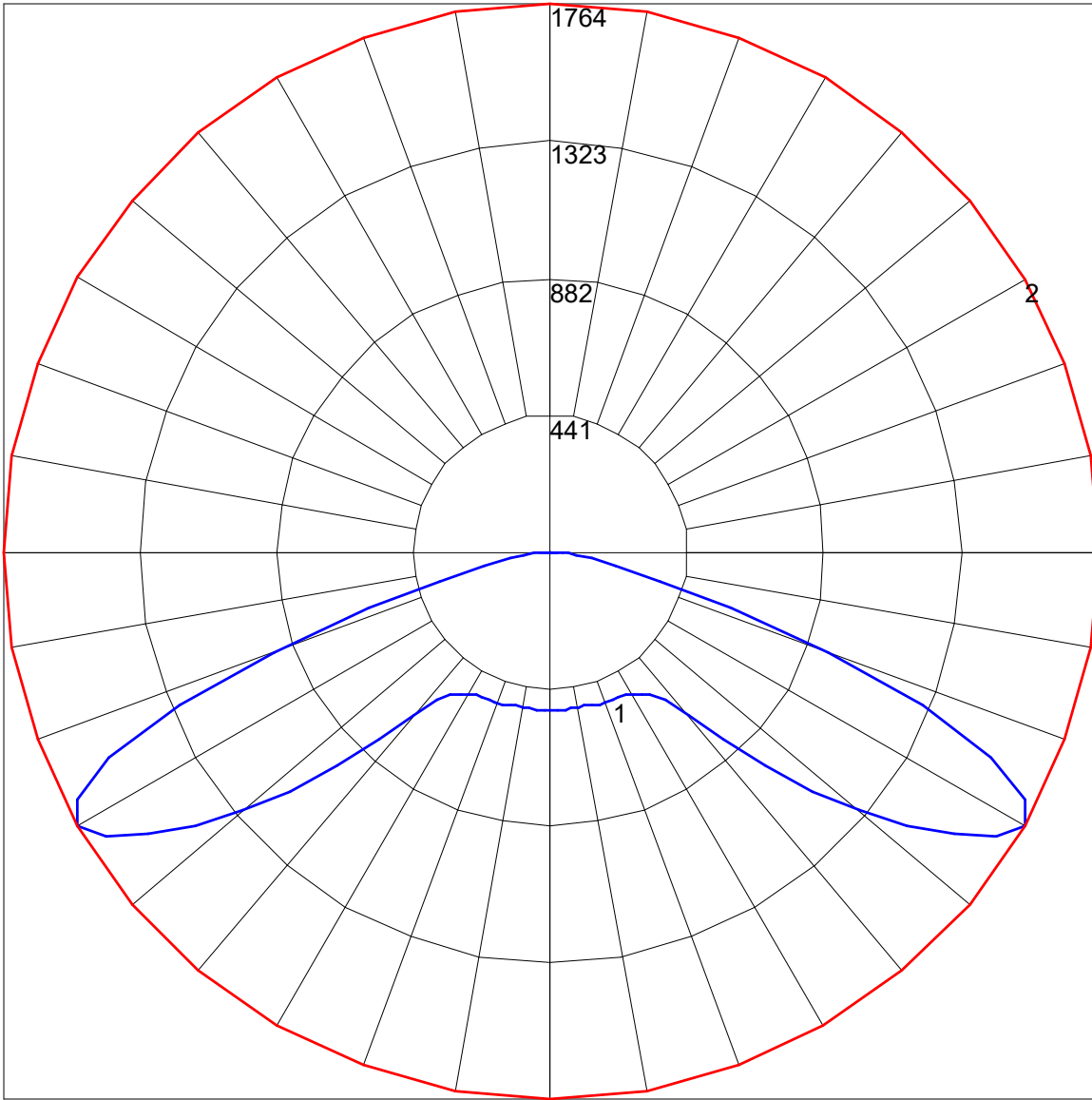
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

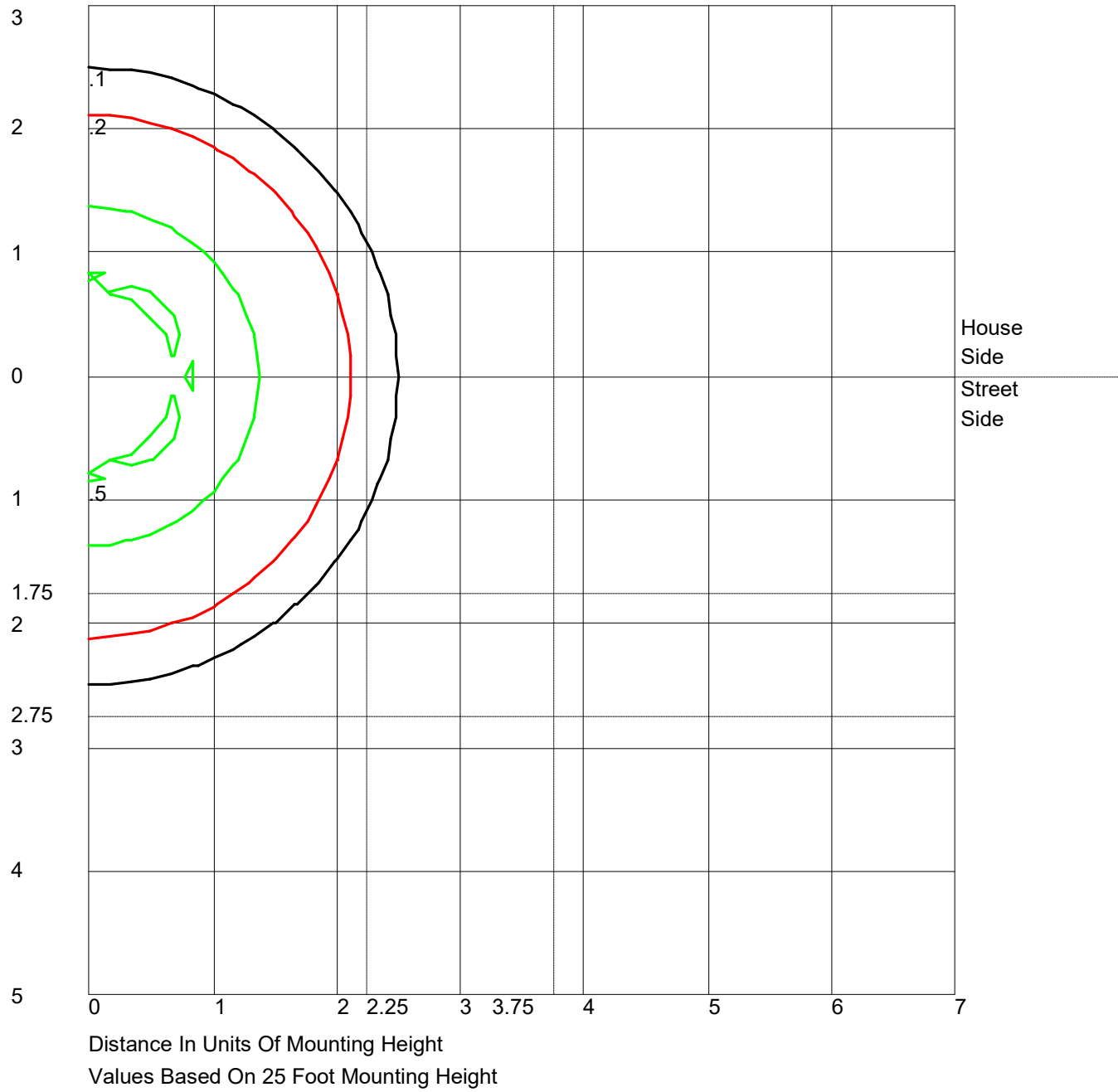
	Lumens	Percent Of Luminaire
Downward Street Side	2488.1	49.8
Downward House Side	2488.1	49.8
Downward Total	4976.2	99.6
Upward Street Side	9.0	0.2
Upward House Side	9.0	0.2
Upward Total	18.0	0.4
Total Flux	4994.2	100.0

POLAR GRAPH

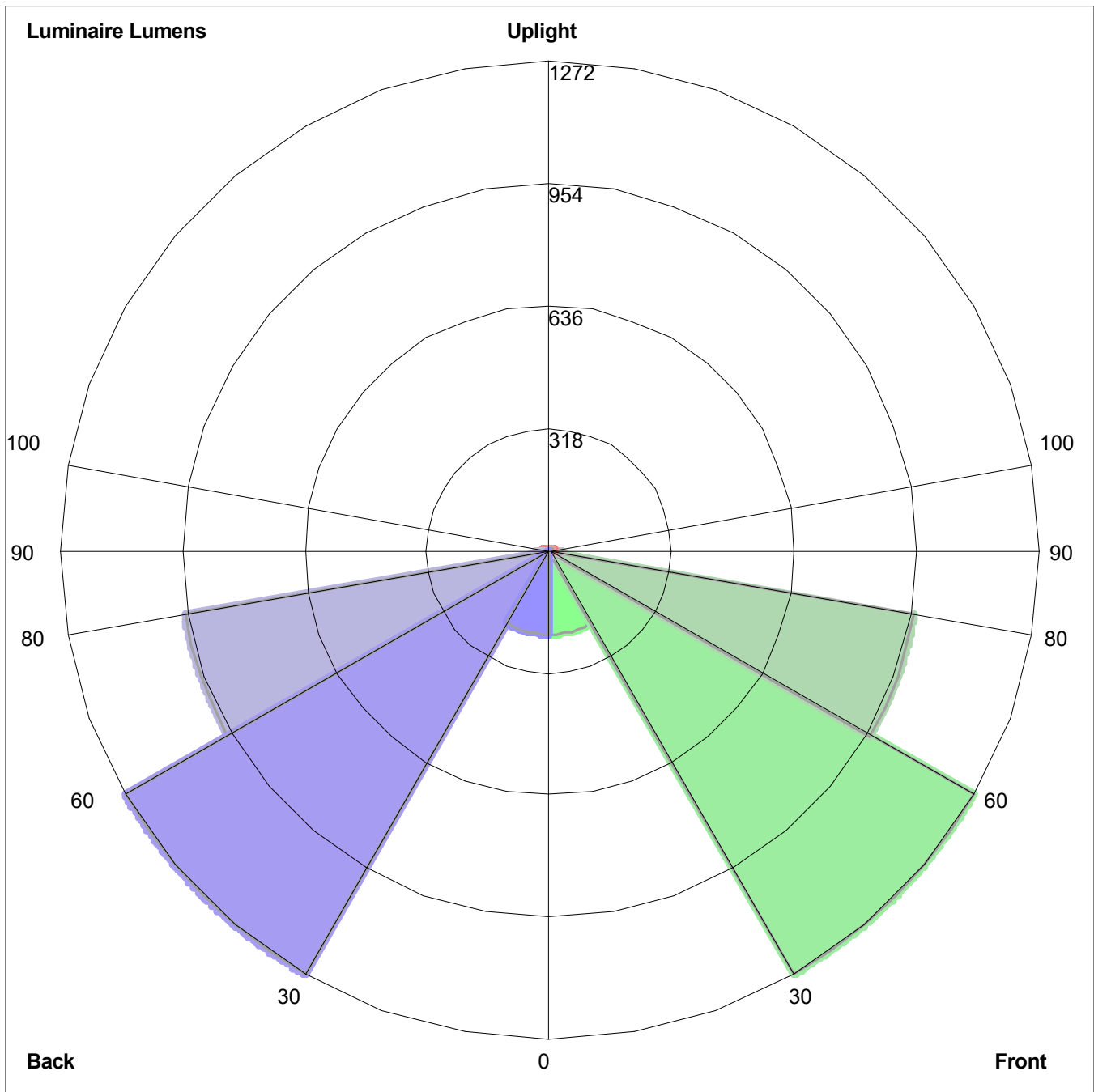


Maximum Candela = 1764.09 Located At Horizontal Angle = 0, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=217.5, Medium=1272.4, High=963.3, Very High=34.9  
Back: Low=217.5, Medium=1272.4, High=963.3, Very High=34.9  
Uplight: Low=13.5, High=4.5

BUG Rating : B2-U2-G1