



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-55-27-5-C.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12593999.07  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 11/19/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-55-27-5-C (Scaled from AX-70-50-5-C)  
[LUMINAIRE] Gray metal housing, white plastic reflector and cutoff gla  
[MORE] ss 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**

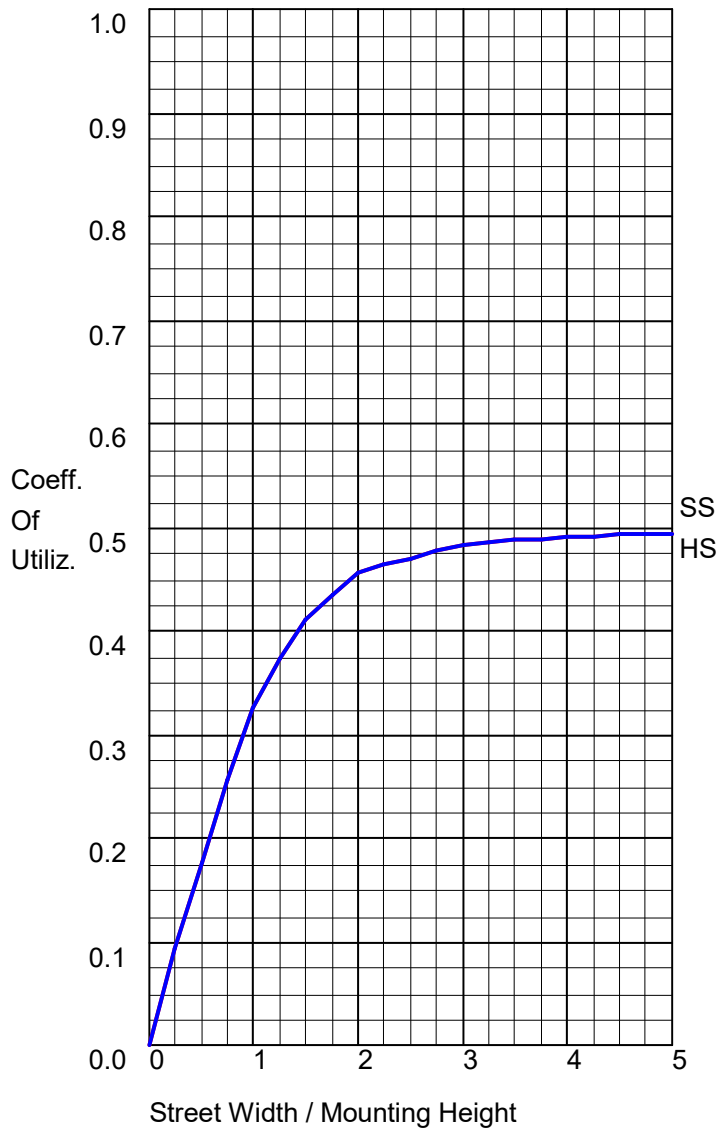
IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6371
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1857.751
Maximum Candela Angle	155H 52.5V
Maximum Candela (<90 Degrees Vertical)	1857.751
Maximum Candela Angle (<90 Degrees Vertical)	155H 52.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	253.276 (4.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	432.3	N.A.	6.8
FM - Front-Medium (30-60)	1875.8	N.A.	29.4
FH - Front-High (60-80)	827.9	N.A.	13.0
FVH - Front-Very High (80-90)	49.6	N.A.	0.8
BL - Back-Low (0-30)	432.3	N.A.	6.8
BM - Back-Medium (30-60)	1875.8	N.A.	29.4
BH - Back-High (60-80)	827.9	N.A.	13.0
BVH - Back-Very High (80-90)	49.6	N.A.	0.8
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	6371.2	N.A.	100.0
BUG Rating	B2-U0-G1		

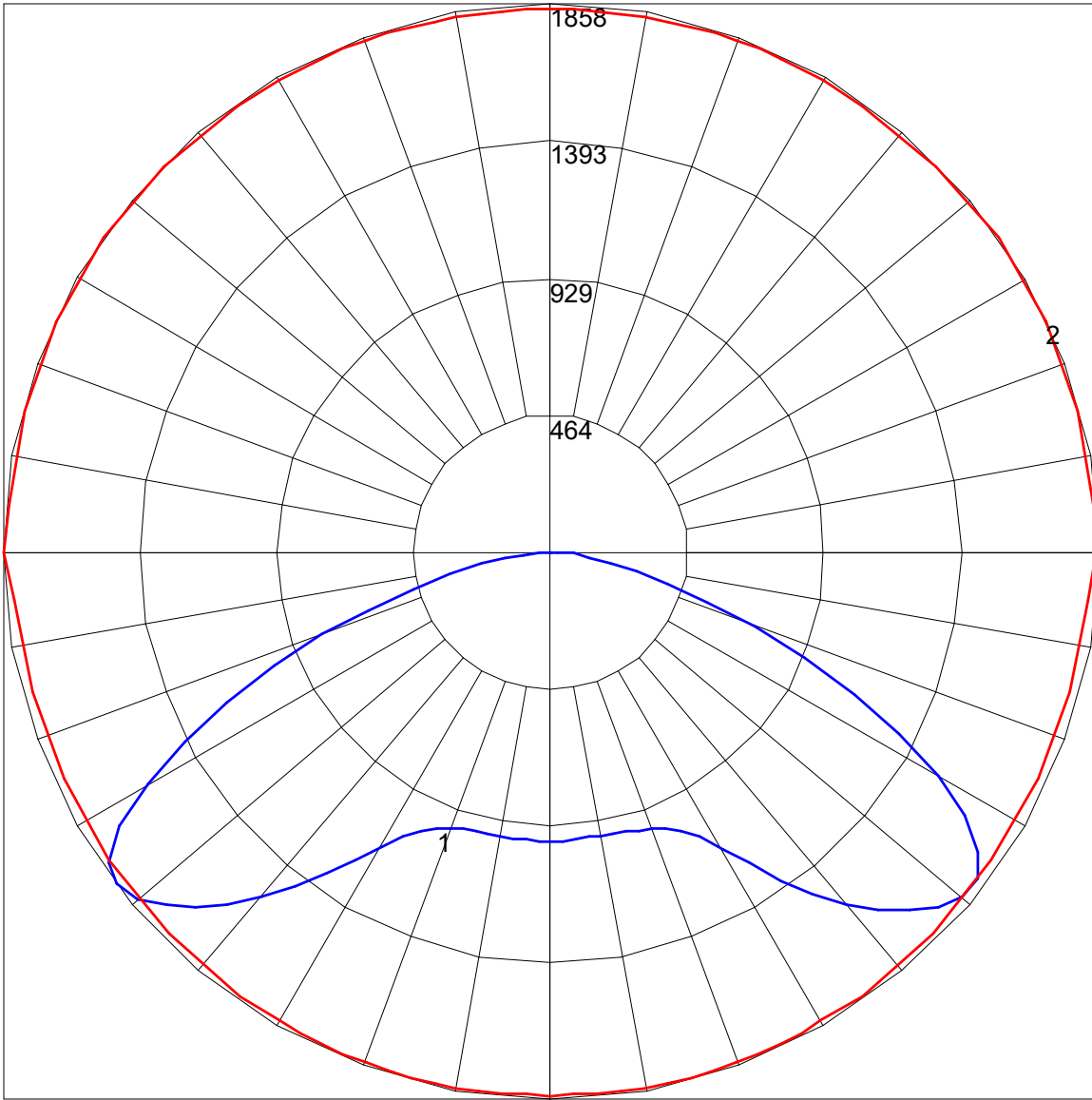
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

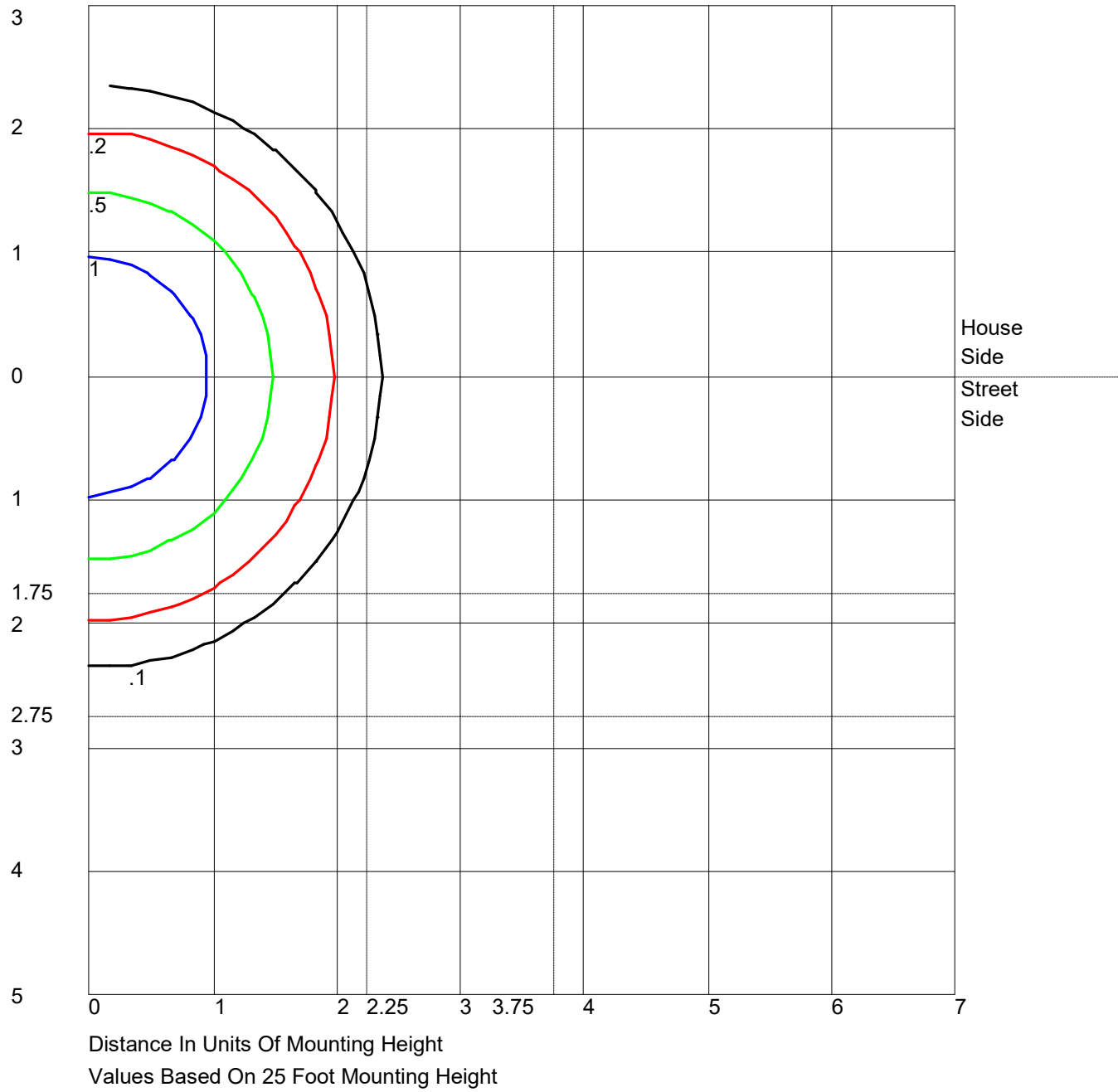
	Lumens	Percent Of Luminaire
Downward Street Side	3185.6	50.0
Downward House Side	3185.6	50.0
Downward Total	6371.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6371.2	100.0

POLAR GRAPH

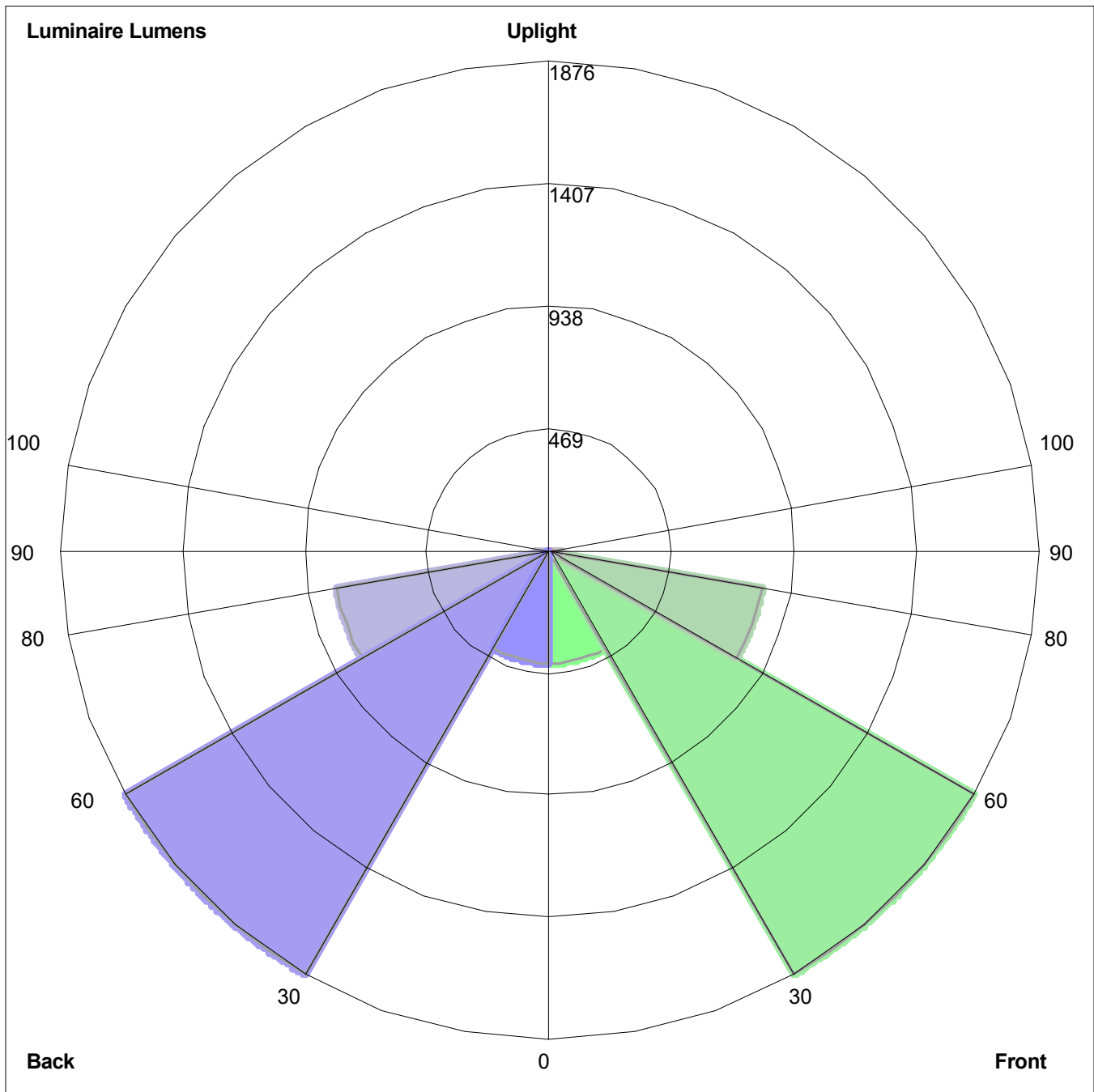


Maximum Candela = 1857.751 Located At Horizontal Angle = 155, Vertical Angle = 52.5  
# 1 - Vertical Plane Through Horizontal Angles (155 - 335) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=432.3, Medium=1875.8, High=827.9, Very High=49.6  
Back: Low=432.3, Medium=1875.8, High=827.9, Very High=49.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1