



IES ROAD REPORT
PHOTOMETRIC FILENAME : AX-80-27-5-D.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 12531664.06
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 12/3/2018
[MANUFAC] Express Imaging Systems LLC dba Evluma
[LUMCAT] AX-80-27-5-D (Scaled from AX-80-50-5-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

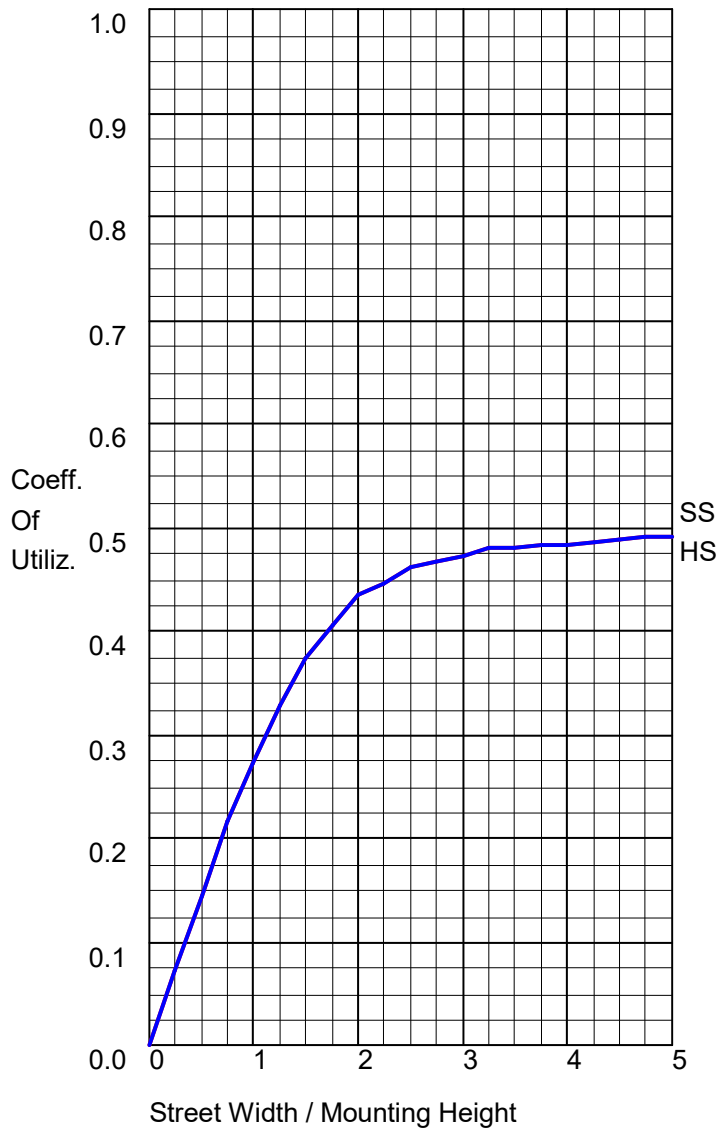
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8638
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2868.551
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	2868.551
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	60.317 (0.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	318.919 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	387.6	N.A.	4.5
FM - Front-Medium (30-60)	2228.8	N.A.	25.8
FH - Front-High (60-80)	1598.3	N.A.	18.5
FVH - Front-Very High (80-90)	84.7	N.A.	1.0
BL - Back-Low (0-30)	387.6	N.A.	4.5
BM - Back-Medium (30-60)	2228.8	N.A.	25.8
BH - Back-High (60-80)	1598.3	N.A.	18.5
BVH - Back-Very High (80-90)	84.7	N.A.	1.0
UL - Uplight-Low (90-100)	34.0	N.A.	0.4
UH - Uplight-High (100-180)	5.1	N.A.	0.1
Total	8637.9	N.A.	100.0
BUG Rating	B3-U2-G1		

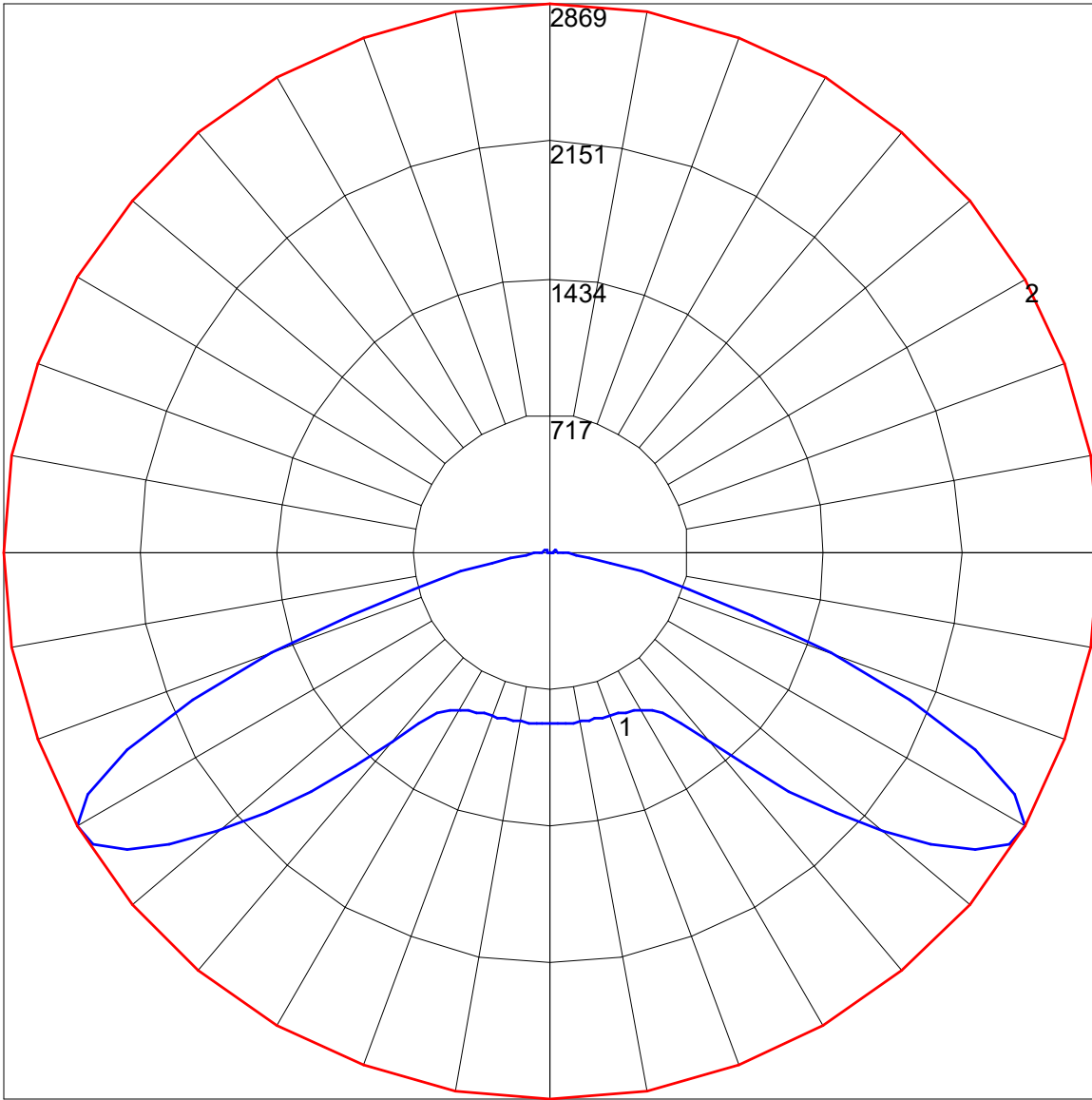
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

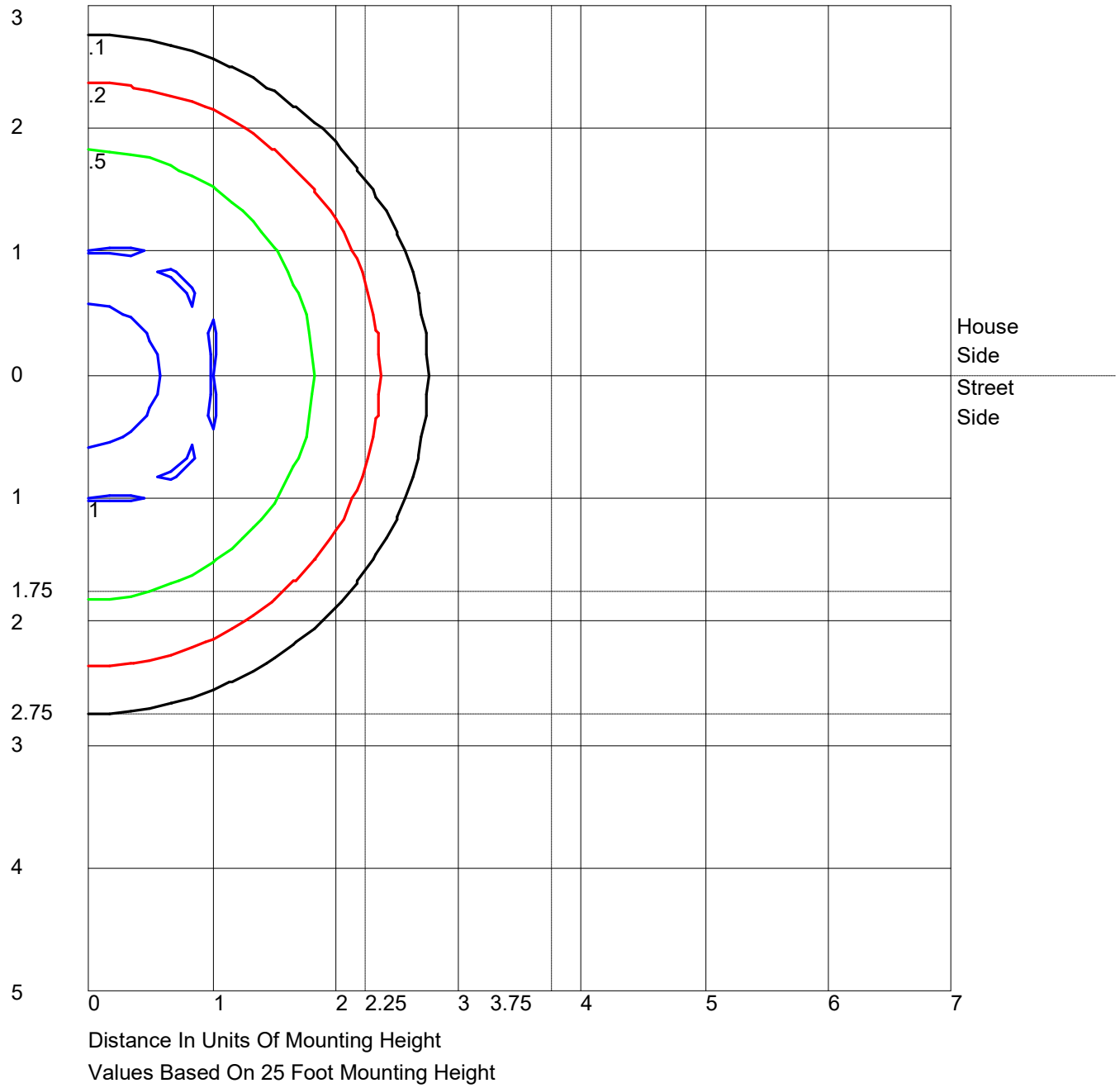
	Lumens	Percent Of Luminaire
Downward Street Side	4299.3	49.8
Downward House Side	4299.3	49.8
Downward Total	8598.6	99.5
Upward Street Side	19.5	0.2
Upward House Side	19.5	0.2
Upward Total	39.0	0.5
Total Flux	8637.6	100.0

POLAR GRAPH

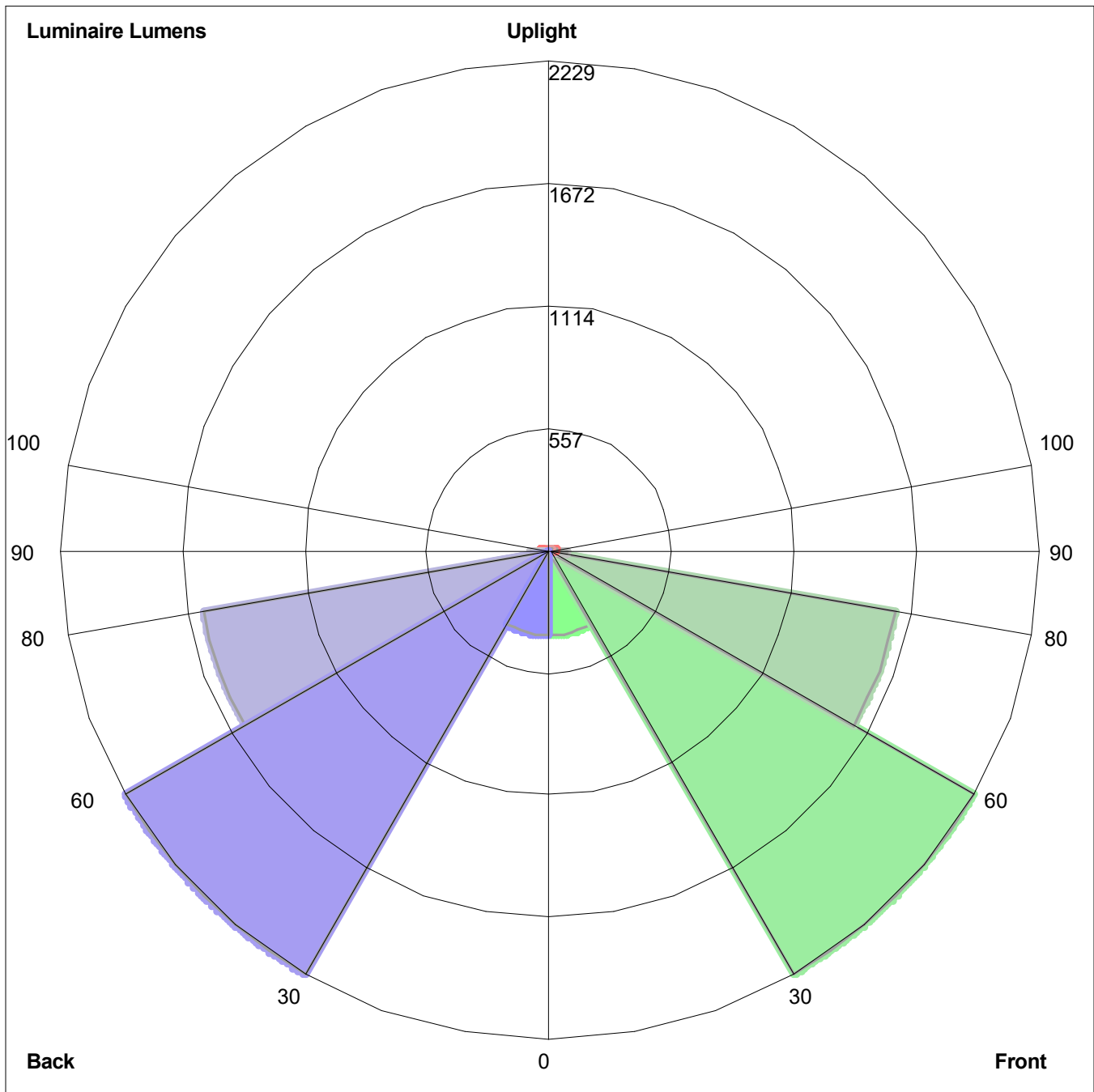


Maximum Candela = 2868.551 Located At Horizontal Angle = 0, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=387.6, Medium=2228.8, High=1598.3, Very High=84.7
Back: Low=387.6, Medium=2228.8, High=1598.3, Very High=84.7
Uplight: Low=34.0, High=5.1

BUG Rating : B3-U2-G1