



IES ROAD REPORT
PHOTOMETRIC FILENAME : AX-100-27-5-D.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 12474666.03
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 8/29/2018
[MANUFAC] Express Imaging Systems LLC dba Evluma
[LUMCAT] AX-100-27-5-D (Scaled from AX-100-50-5-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

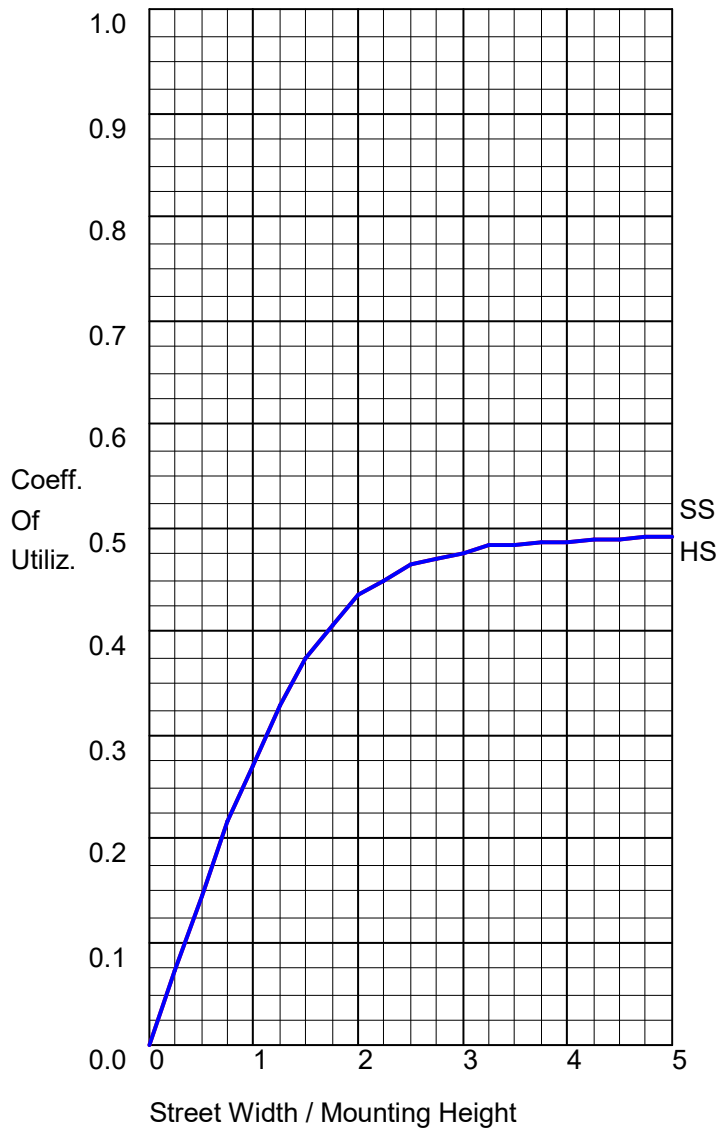
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10369
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	100
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	3556.007
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	3556.007
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	70.035 (0.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	307.671 (3.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	462.2	N.A.	4.5
FM - Front-Medium (30-60)	2663.6	N.A.	25.7
FH - Front-High (60-80)	1945.6	N.A.	18.8
FVH - Front-Very High (80-90)	85.6	N.A.	0.8
BL - Back-Low (0-30)	462.2	N.A.	4.5
BM - Back-Medium (30-60)	2663.6	N.A.	25.7
BH - Back-High (60-80)	1945.6	N.A.	18.8
BVH - Back-Very High (80-90)	85.6	N.A.	0.8
UL - Uplight-Low (90-100)	41.8	N.A.	0.4
UH - Uplight-High (100-180)	13.2	N.A.	0.1
Total	10369.0	N.A.	100.0
BUG Rating	B3-U2-G2		

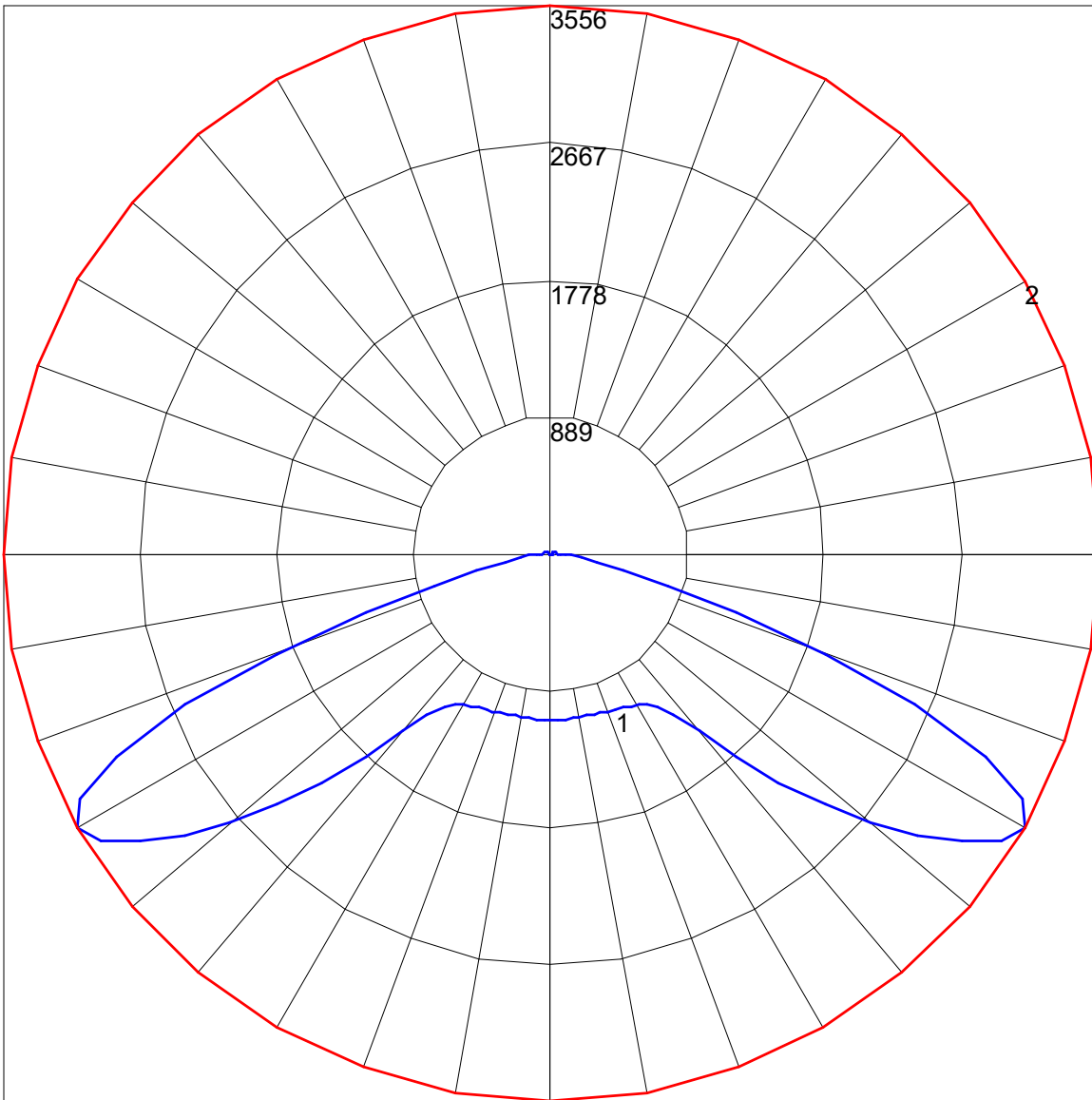
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

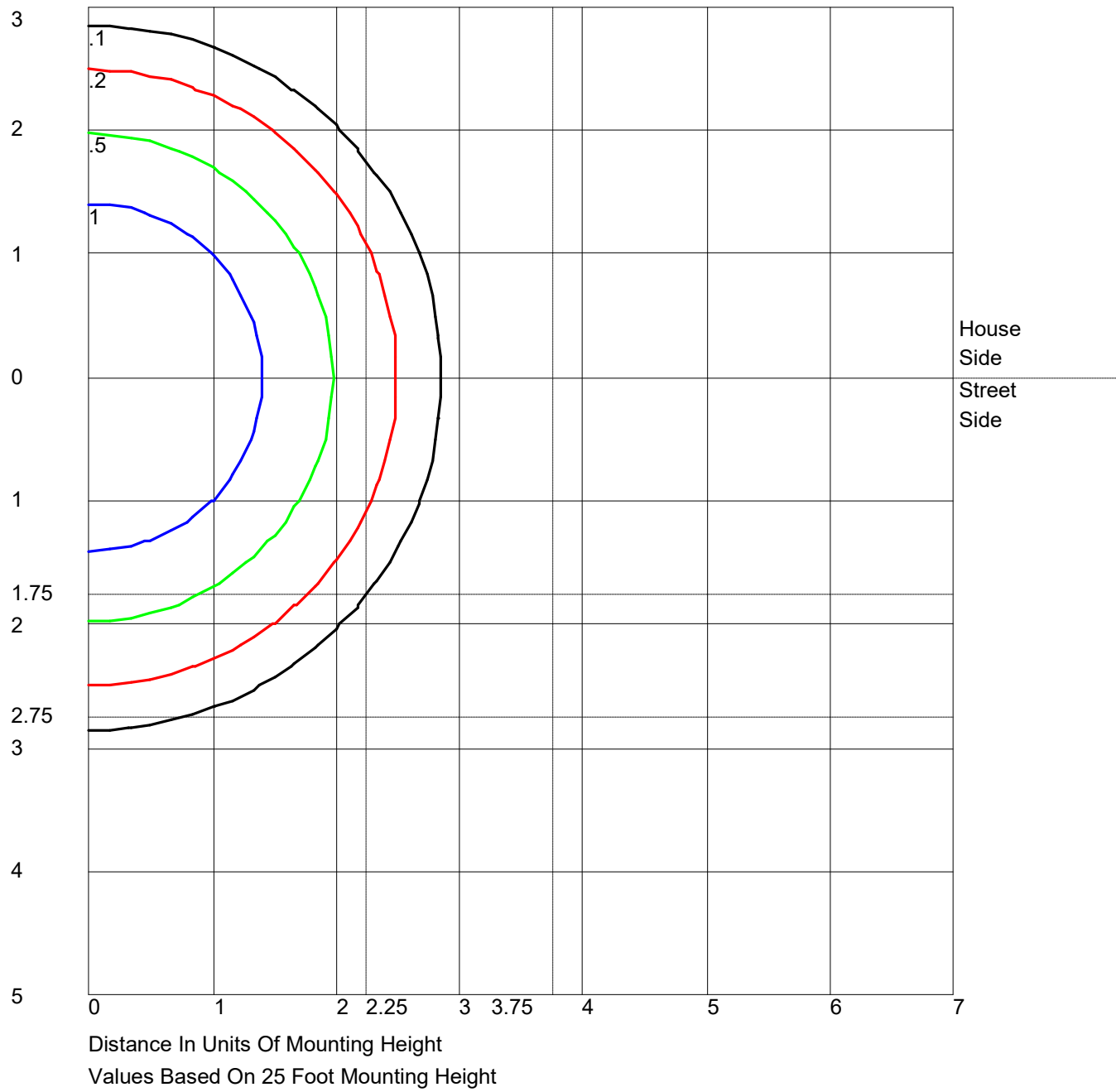
	Lumens	Percent Of Luminaire
Downward Street Side	5156.9	49.7
Downward House Side	5156.9	49.7
Downward Total	10313.8	99.5
Upward Street Side	27.5	0.3
Upward House Side	27.5	0.3
Upward Total	55.0	0.5
Total Flux	10368.8	100.0

POLAR GRAPH

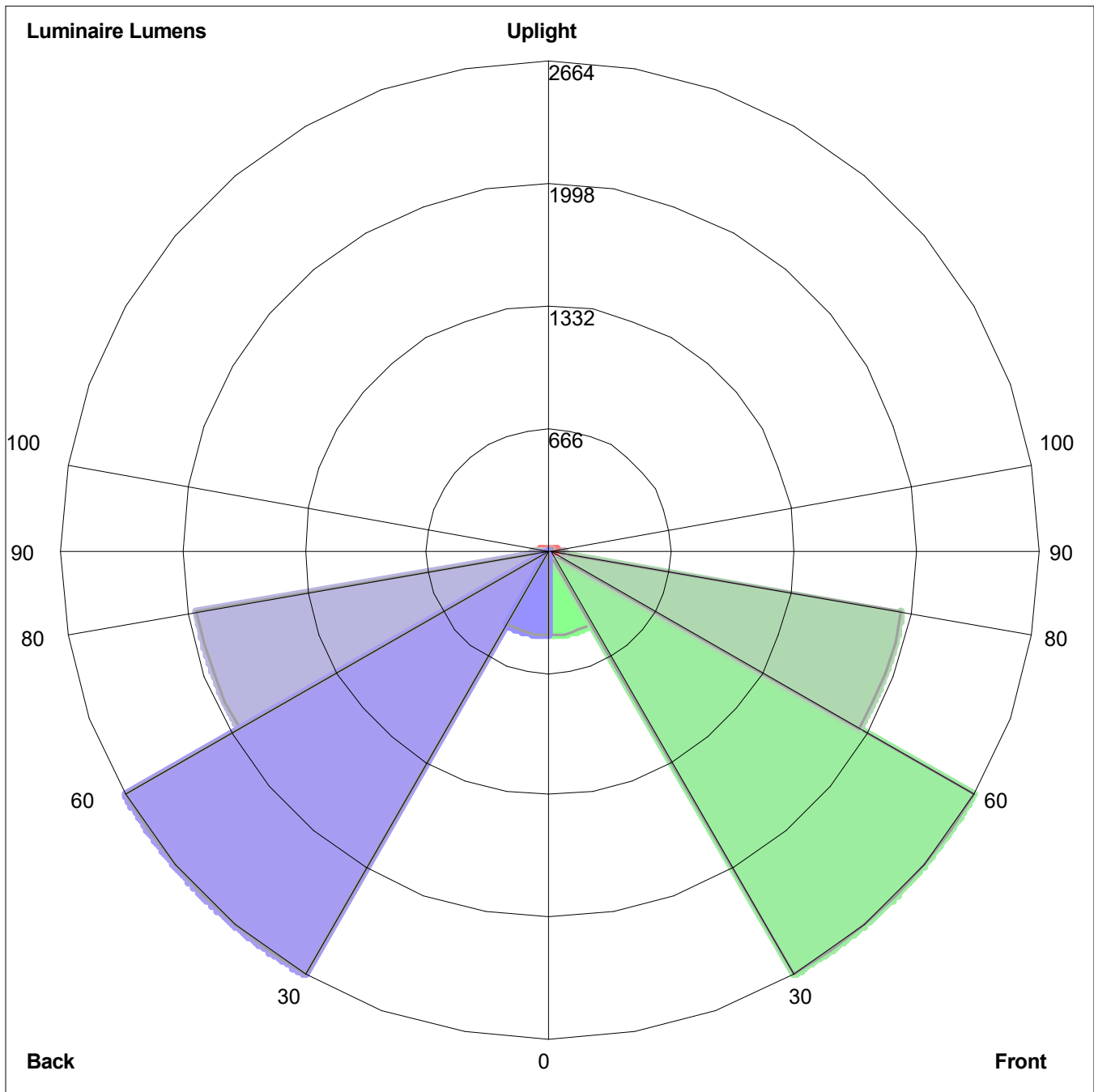


Maximum Candela = 3556.007 Located At Horizontal Angle = 0, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=462.2, Medium=2663.6, High=1945.6, Very High=85.6
Back: Low=462.2, Medium=2663.6, High=1945.6, Very High=85.6
Uplight: Low=41.8, High=13.2

BUG Rating : B3-U2-G2