



IES ROAD REPORT
PHOTOMETRIC FILENAME : AX-100-30-3-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-100-30-3-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

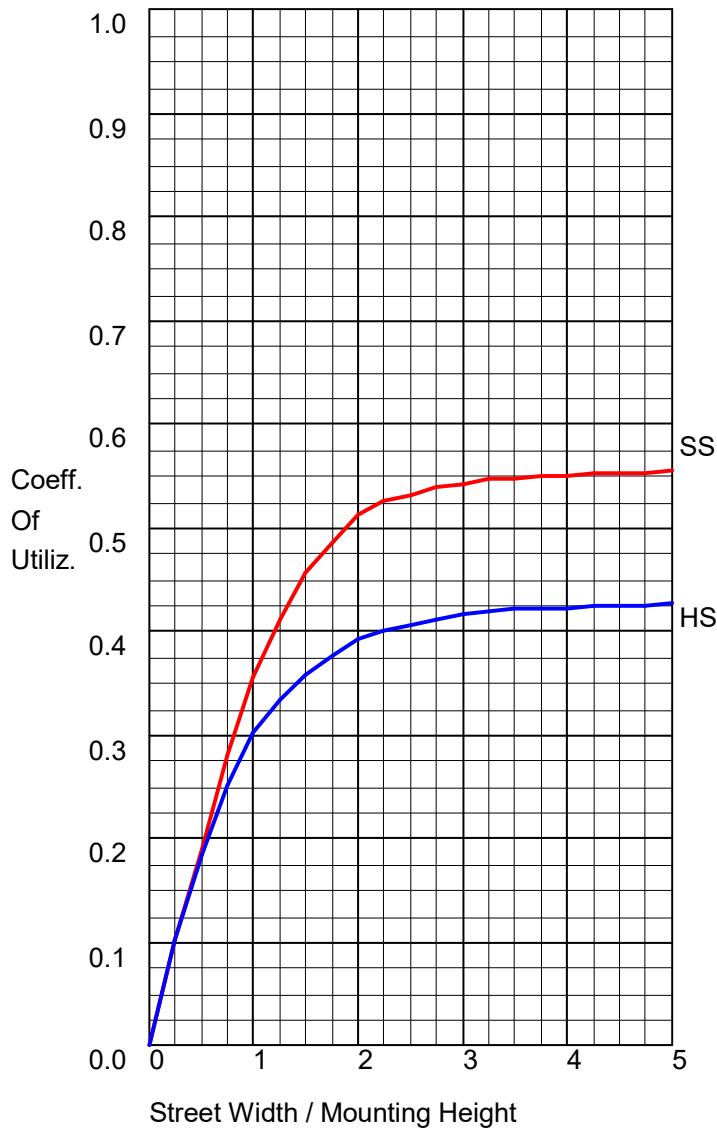
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12272
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	100
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	4563.344
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	4563.344
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	375.898 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1993.322 (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)	1011.3	N.A.	8.2
FM - Front-Medium (30-60)	3173.4	N.A.	25.9
FH - Front-High (60-80)	2444.1	N.A.	19.9
FVH - Front-Very High (80-90)	259.4	N.A.	2.1
BL - Back-Low (0-30)	1088.1	N.A.	8.9
BM - Back-Medium (30-60)	2533.4	N.A.	20.6
BH - Back-High (60-80)	1515.3	N.A.	12.3
BVH - Back-Very High (80-90)	175.6	N.A.	1.4
UL - Uplight-Low (90-100)	66.7	N.A.	0.5
UH - Uplight-High (100-180)	5.1	N.A.	0.0
Total	12272.4	N.A.	100.0
BUG Rating	B3-U3-G3		

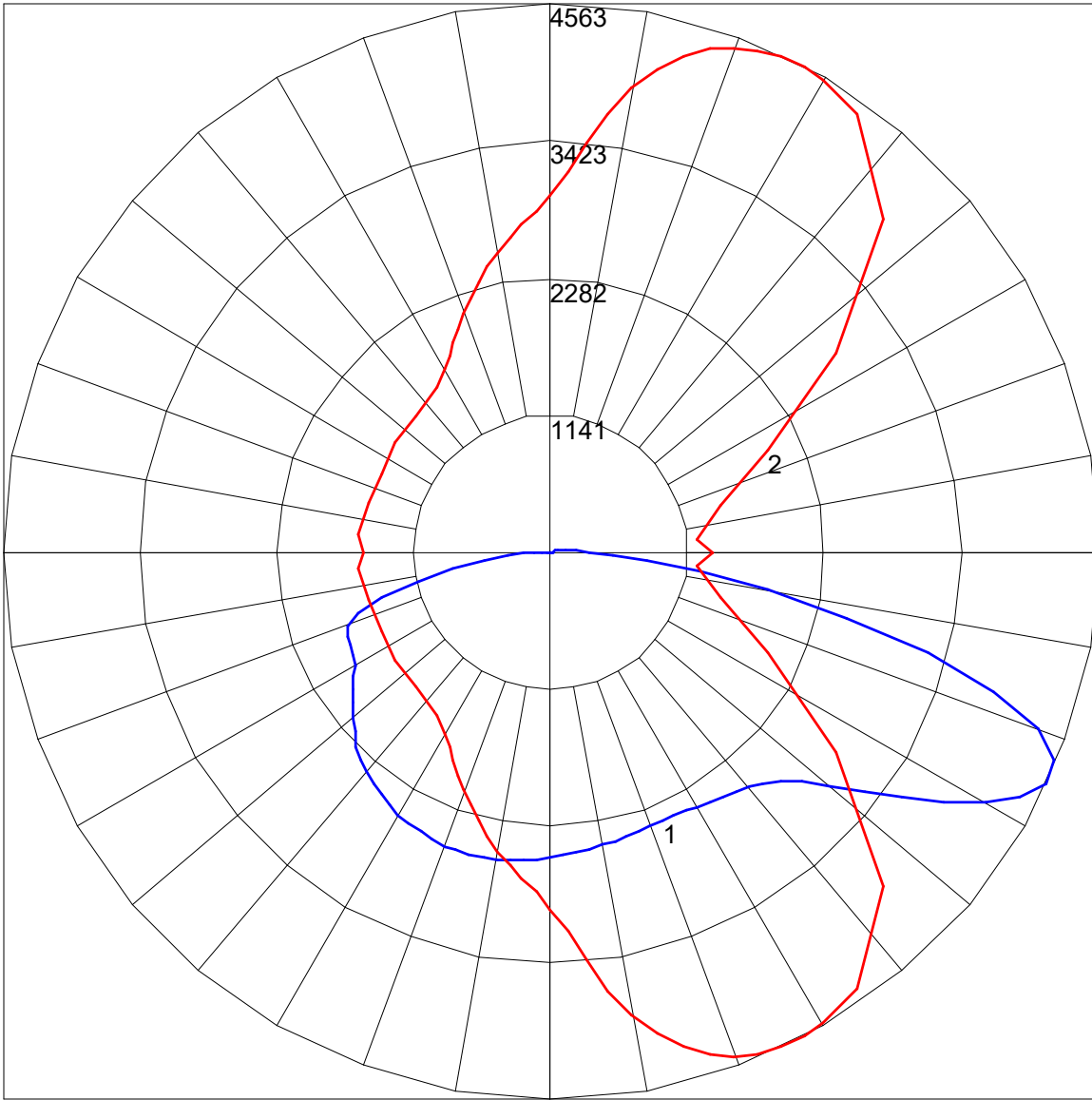
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

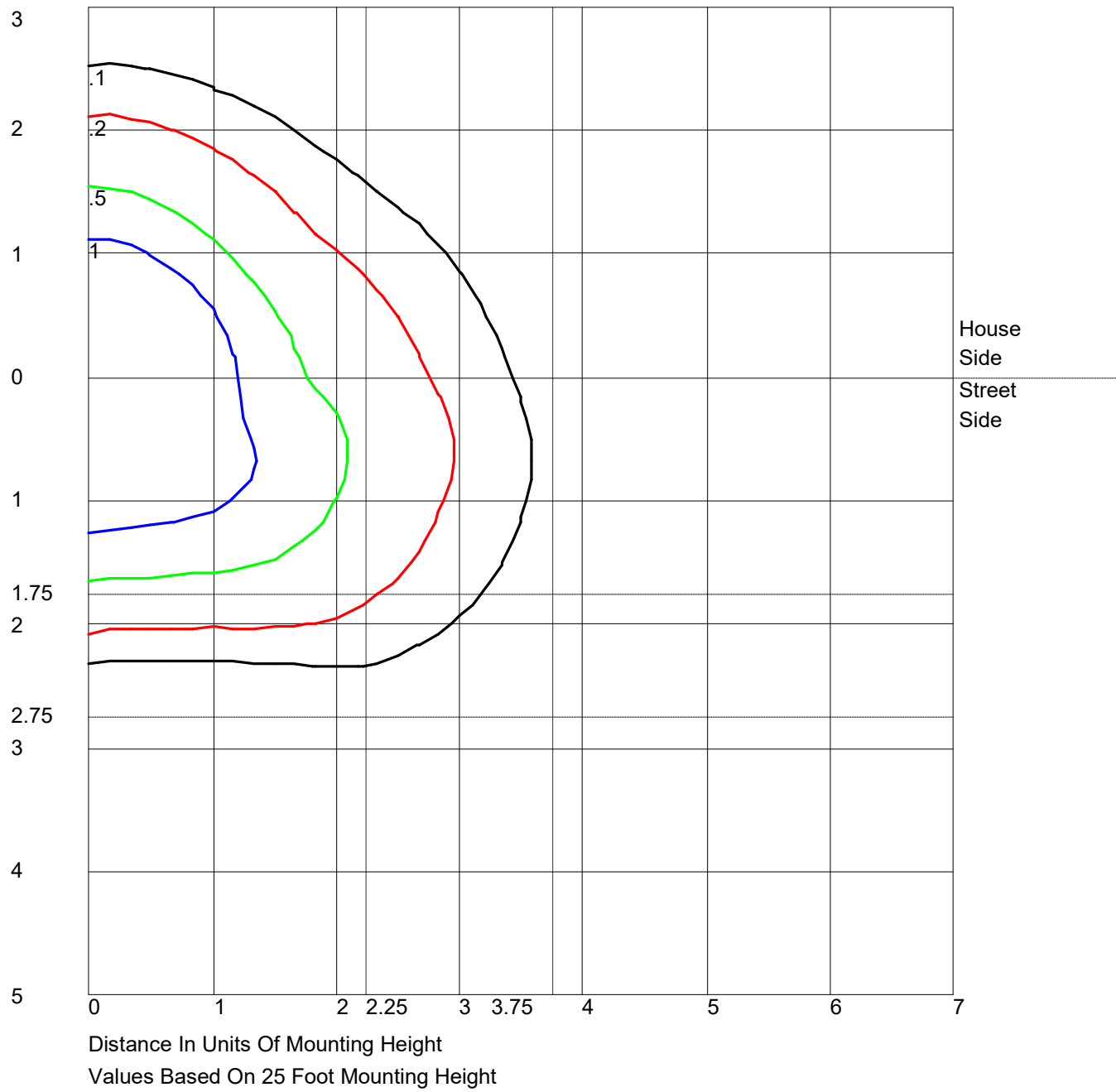
	Lumens	Percent Of Luminaire
Downward Street Side	6888.3	56.1
Downward House Side	5312.4	43.3
Downward Total	12200.7	99.4
Upward Street Side	45.6	0.4
Upward House Side	26.2	0.2
Upward Total	71.8	0.6
Total Flux	12272.5	100.0

POLAR GRAPH

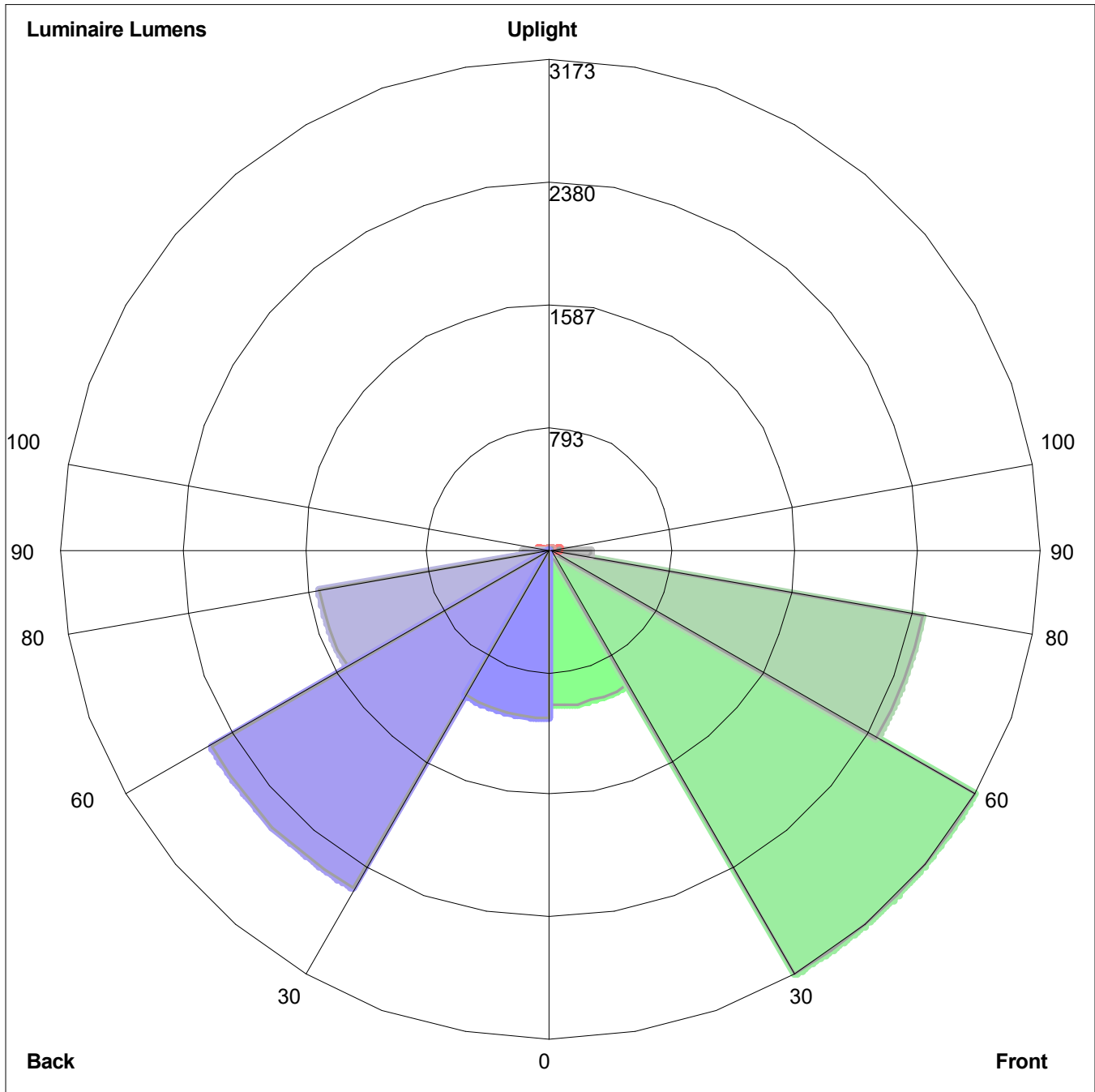


Maximum Candela = 4563.344 Located At Horizontal Angle = 62.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1011.3, Medium=3173.4, High=2444.1, Very High=259.4
Back: Low=1088.1, Medium=2533.4, High=1515.3, Very High=175.6
Uplight: Low=66.7, High=5.1

BUG Rating : B3-U3-G3