



IES ROAD REPORT
PHOTOMETRIC FILENAME : AX-70-40-3-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-70-40-3-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

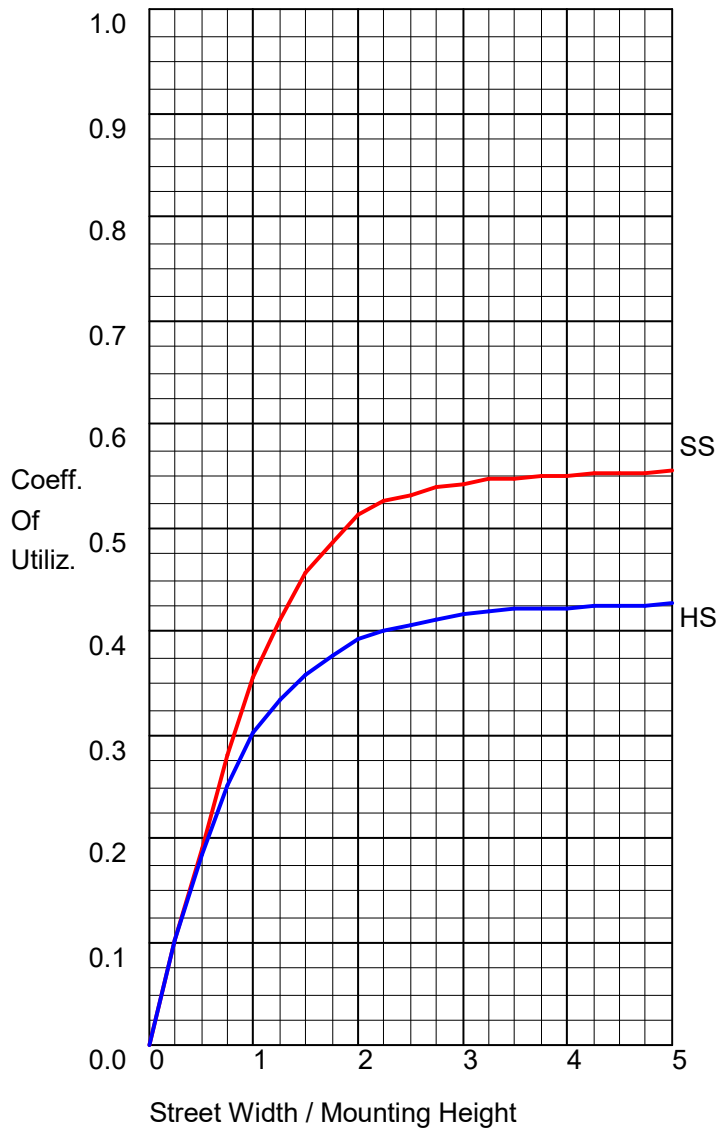
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9643
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	70
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	3585.739
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	3585.739
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	295.369 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1566.292 (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)	794.7	N.A.	8.2
FM - Front-Medium (30-60)	2493.6	N.A.	25.9
FH - Front-High (60-80)	1920.5	N.A.	19.9
FVH - Front-Very High (80-90)	203.8	N.A.	2.1
BL - Back-Low (0-30)	855.0	N.A.	8.9
BM - Back-Medium (30-60)	1990.6	N.A.	20.6
BH - Back-High (60-80)	1190.7	N.A.	12.3
BVH - Back-Very High (80-90)	138.0	N.A.	1.4
UL - Uplight-Low (90-100)	52.4	N.A.	0.5
UH - Uplight-High (100-180)	4.0	N.A.	0.0
Total	9643.3	N.A.	100.0
BUG Rating	B3-U3-G3		

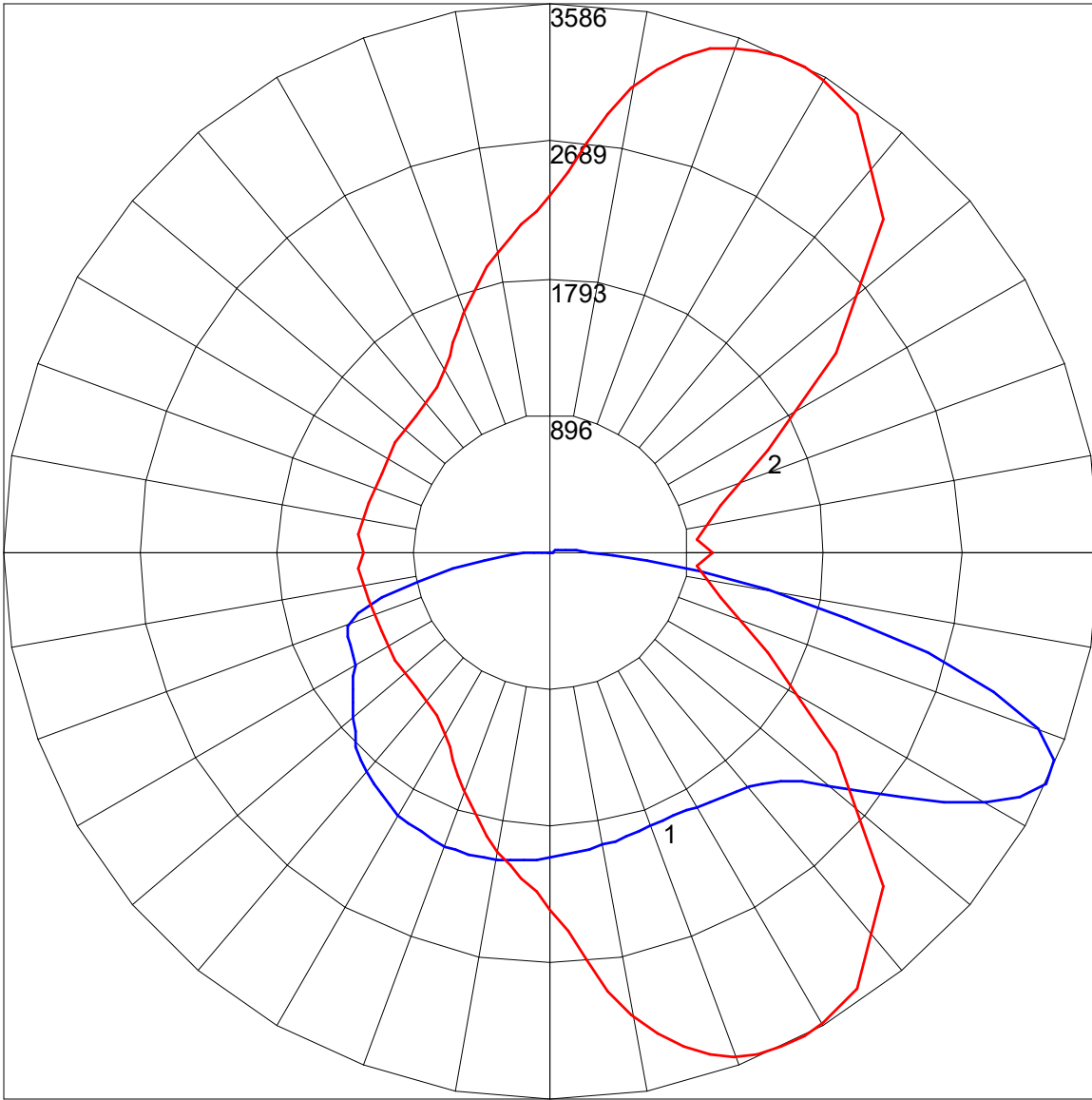
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

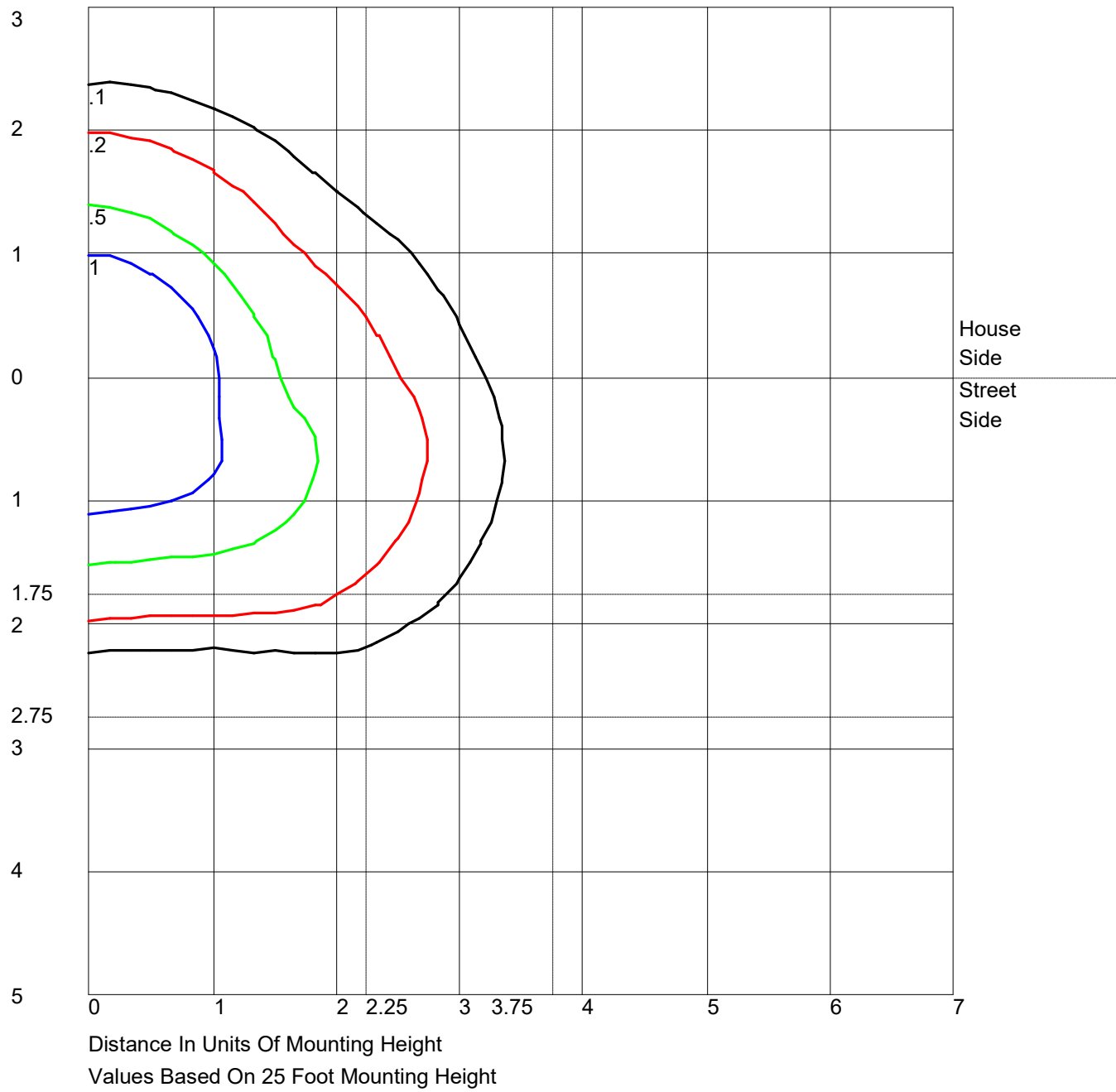
	Lumens	Percent Of Luminaire
Downward Street Side	5412.6	56.1
Downward House Side	4174.3	43.3
Downward Total	9586.9	99.4
Upward Street Side	35.8	0.4
Upward House Side	20.6	0.2
Upward Total	56.4	0.6
Total Flux	9643.3	100.0

POLAR GRAPH

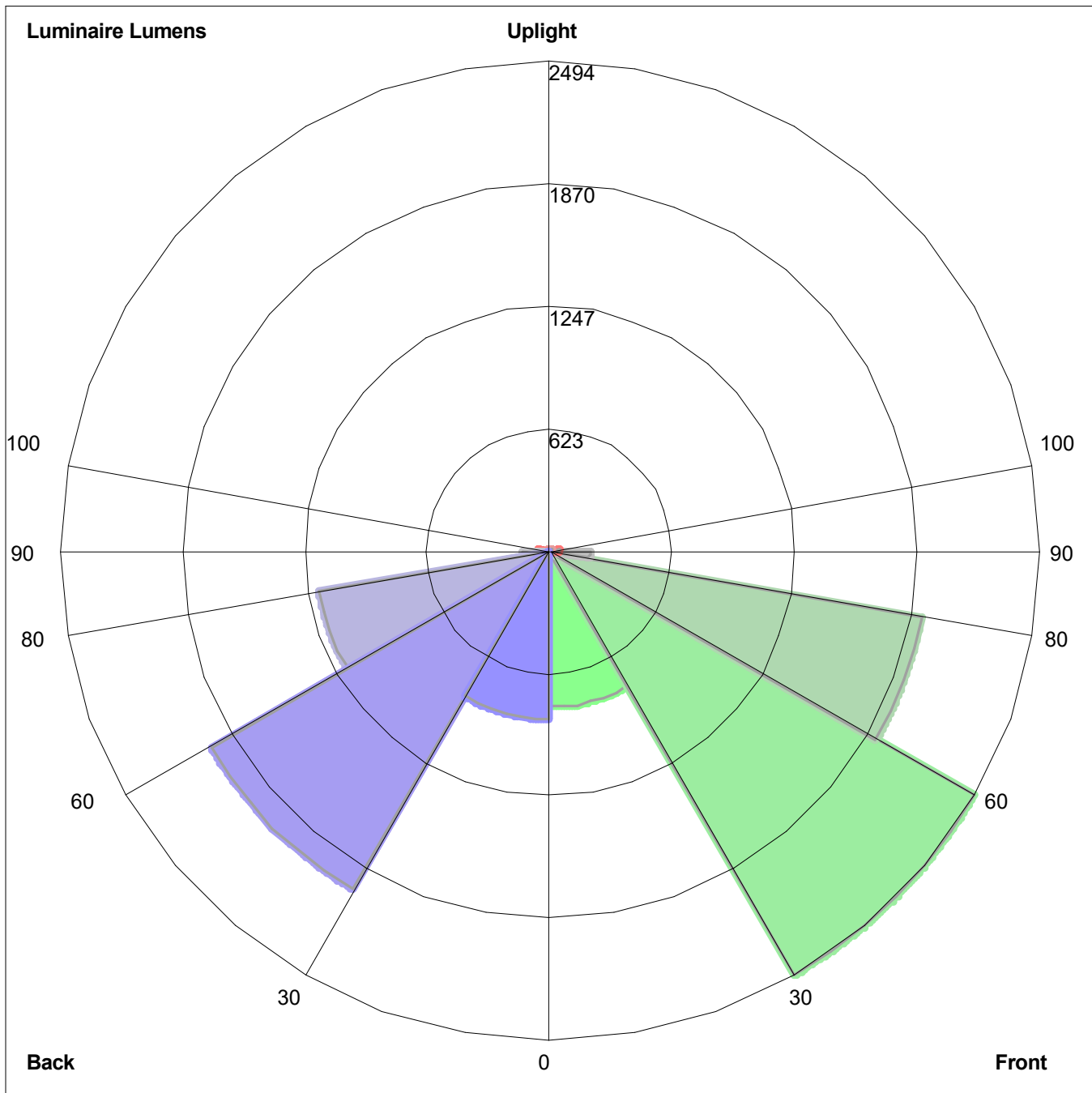


Maximum Candela = 3585.739 Located At Horizontal Angle = 62.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=794.7, Medium=2493.6, High=1920.5, Very High=203.8
Back: Low=855.0, Medium=1990.6, High=1190.7, Very High=138.0
Uplight: Low=52.4, High=4.0

BUG Rating : B3-U3-G3