



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-40-40-5-D.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12500748.02  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 9/18/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-40-40-5-D (Scaled from AX-40-50-5-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**

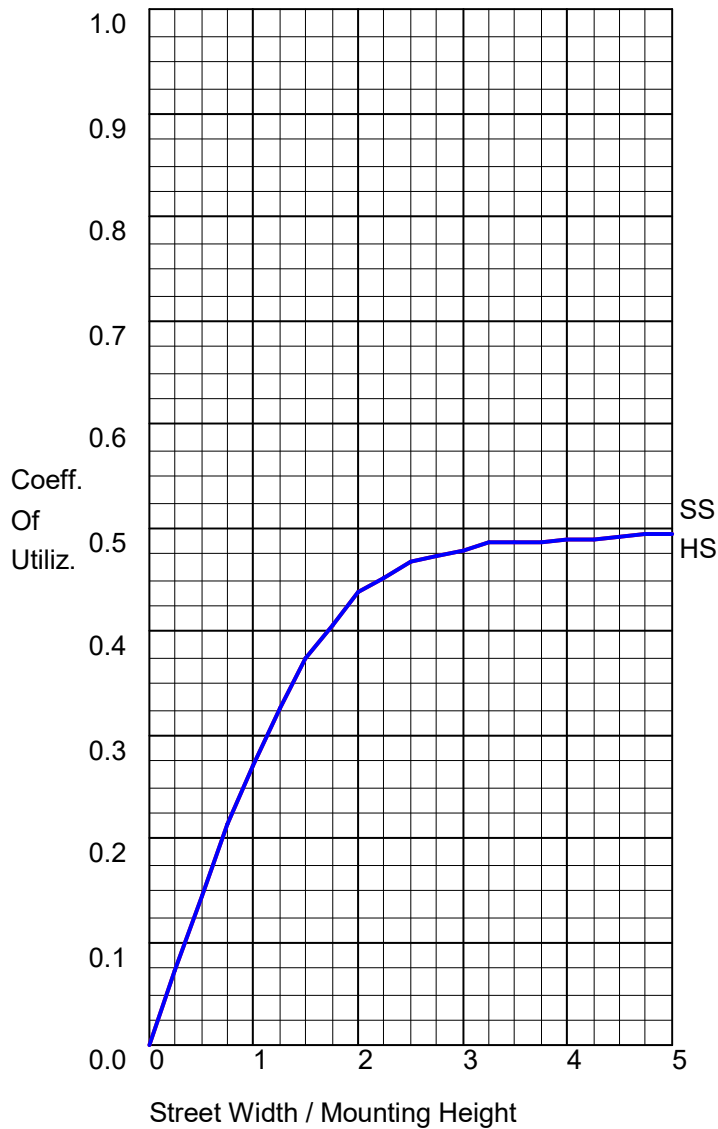
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5955
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2103.338
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	2103.338
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	29.76 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	156.339 (2.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	259.3	N.A.	4.4
FM - Front-Medium (30-60)	1517.1	N.A.	25.5
FH - Front-High (60-80)	1148.6	N.A.	19.3
FVH - Front-Very High (80-90)	41.6	N.A.	0.7
BL - Back-Low (0-30)	259.3	N.A.	4.4
BM - Back-Medium (30-60)	1517.1	N.A.	25.5
BH - Back-High (60-80)	1148.6	N.A.	19.3
BVH - Back-Very High (80-90)	41.6	N.A.	0.7
UL - Uplight-Low (90-100)	16.1	N.A.	0.3
UH - Uplight-High (100-180)	5.3	N.A.	0.1
Total	5954.6	N.A.	100.0
BUG Rating	B3-U2-G1		

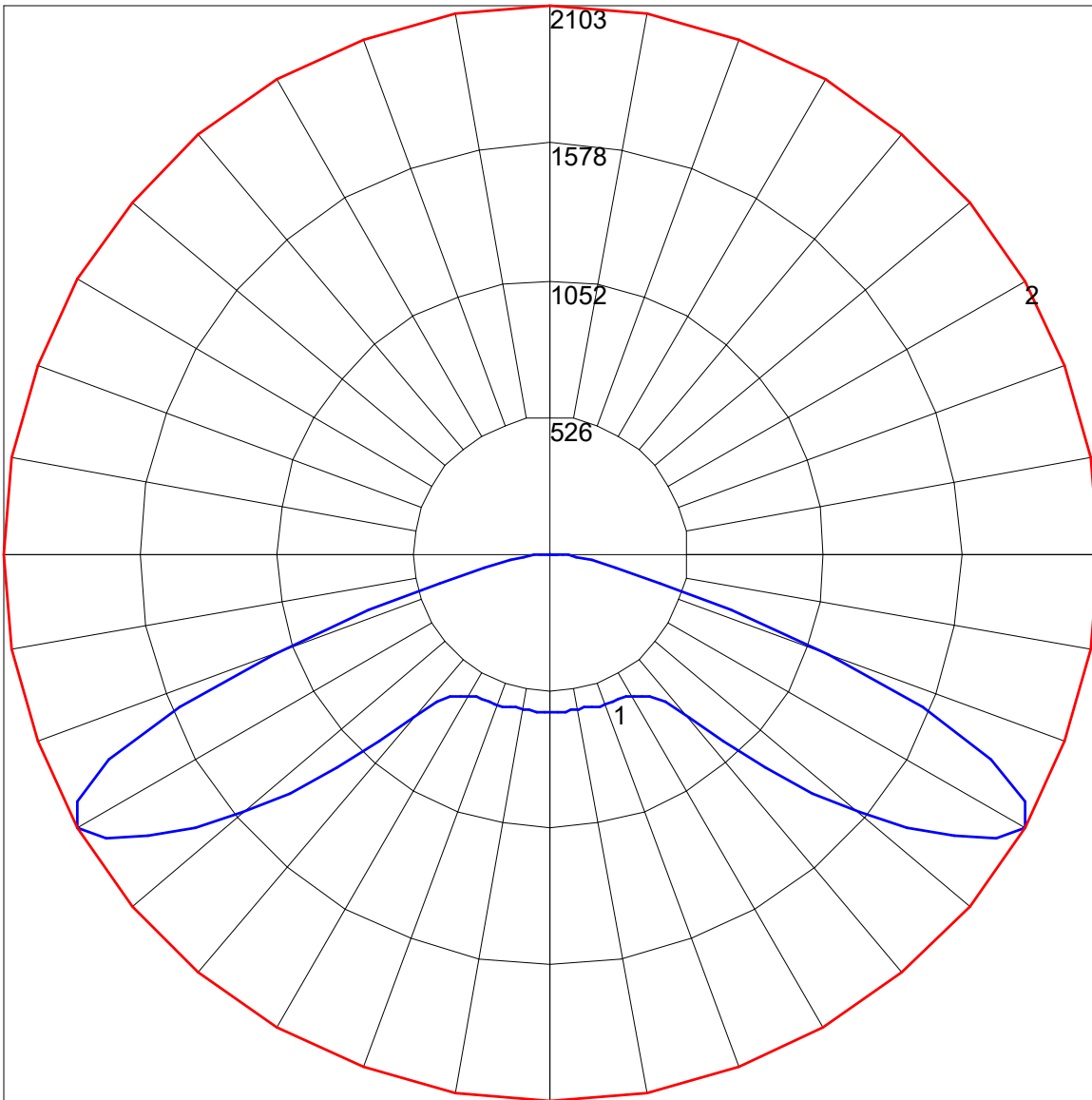
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

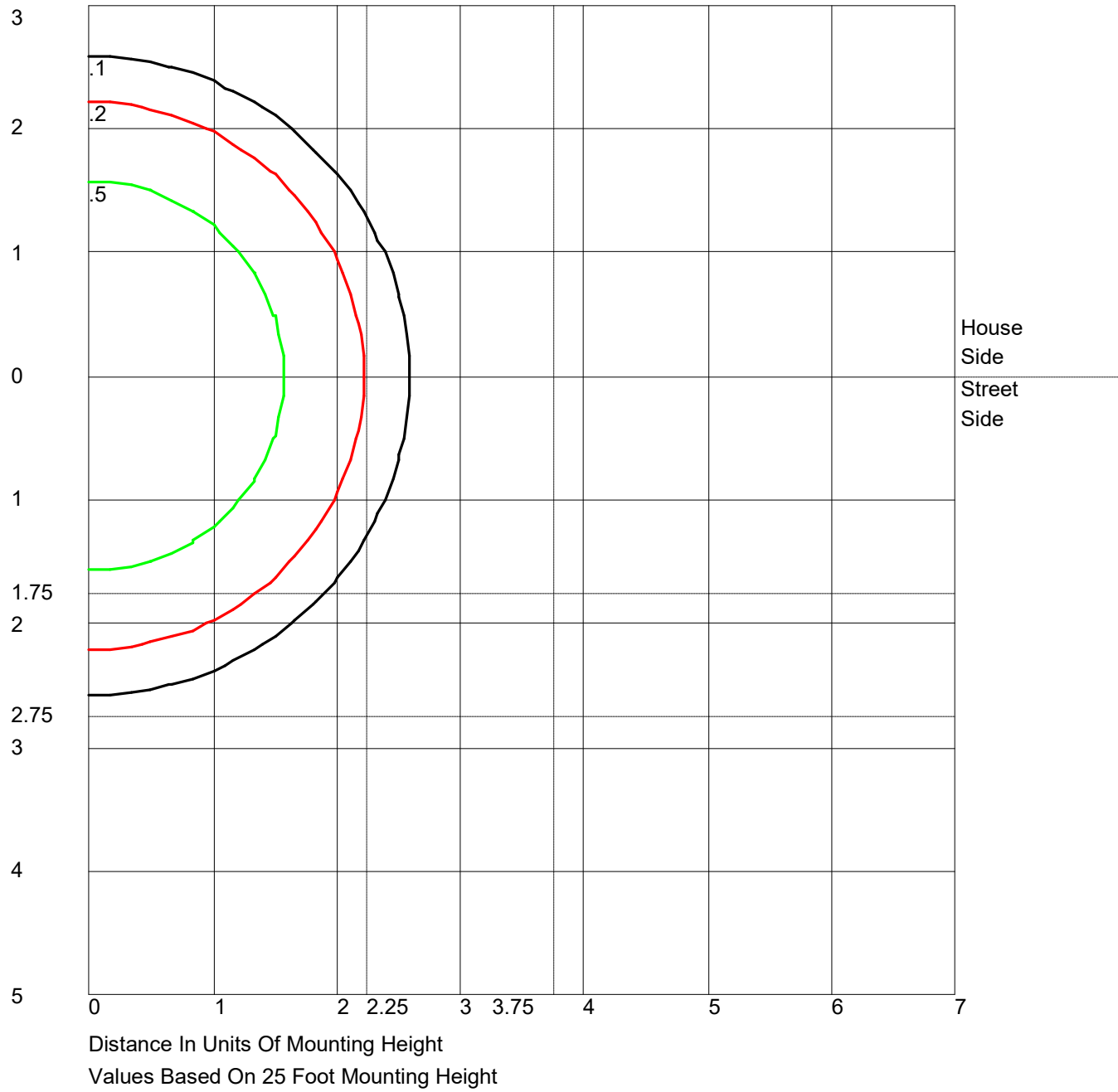
	Lumens	Percent Of Luminaire
Downward Street Side	2966.6	49.8
Downward House Side	2966.6	49.8
Downward Total	5933.2	99.6
Upward Street Side	10.7	0.2
Upward House Side	10.7	0.2
Upward Total	21.4	0.4
Total Flux	5954.6	100.0

POLAR GRAPH

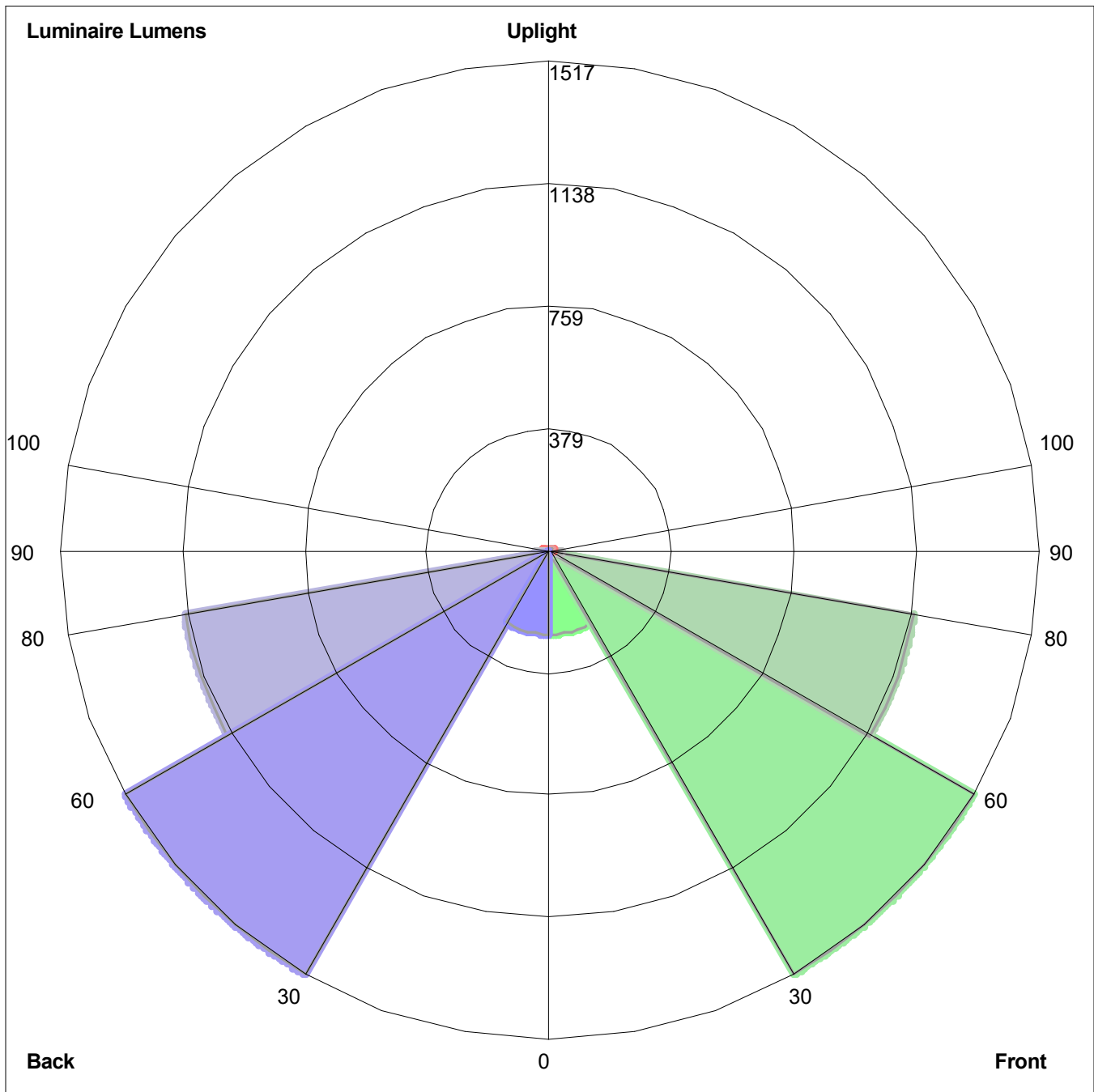


Maximum Candela = 2103.338 Located At Horizontal Angle = 0, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=259.3, Medium=1517.1, High=1148.6, Very High=41.6  
Back: Low=259.3, Medium=1517.1, High=1148.6, Very High=41.6  
Uplight: Low=16.1, High=5.3

BUG Rating : B3-U2-G1