



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-40-30-3-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-40-30-3-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**

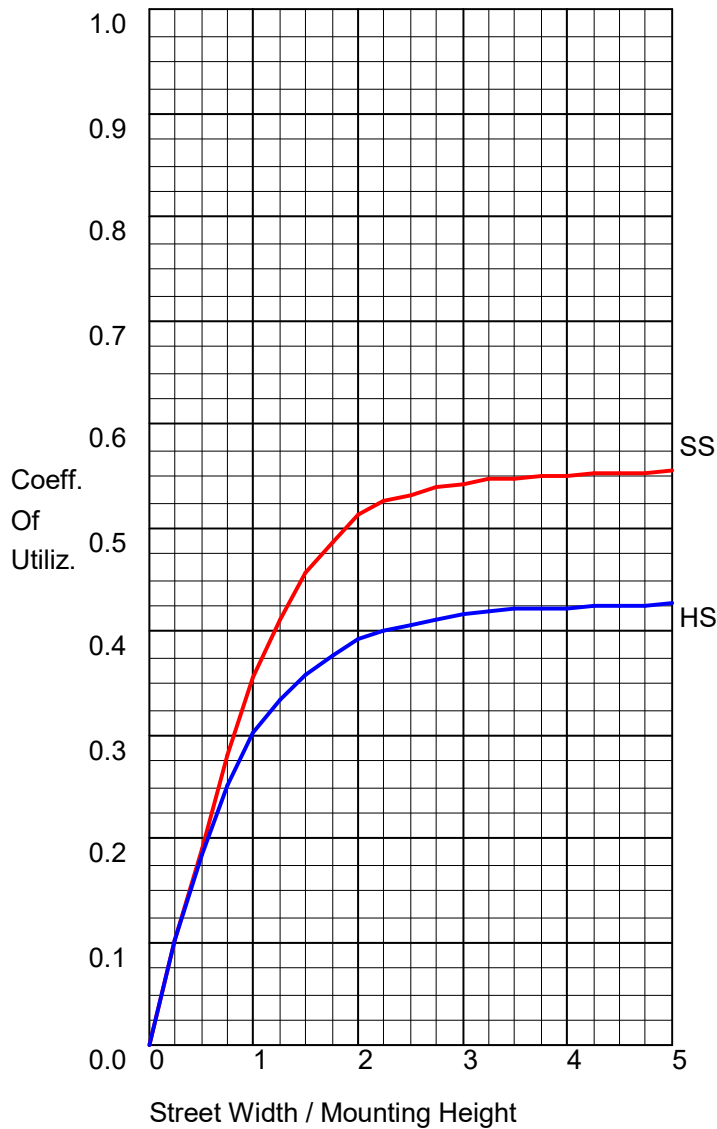
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5863
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	2179.987
Maximum Candela Angle	62.5H 65V
Maximum Candela (<90 Degrees Vertical)	2179.987
Maximum Candela Angle (<90 Degrees Vertical)	62.5H 65V
Maximum Candela At 90 Degrees Vertical	179.573 (3.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	952.244 (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)	483.1	N.A.	8.2
FM - Front-Medium (30-60)	1516.0	N.A.	25.9
FH - Front-High (60-80)	1167.6	N.A.	19.9
FVH - Front-Very High (80-90)	123.9	N.A.	2.1
BL - Back-Low (0-30)	519.8	N.A.	8.9
BM - Back-Medium (30-60)	1210.2	N.A.	20.6
BH - Back-High (60-80)	723.9	N.A.	12.3
BVH - Back-Very High (80-90)	83.9	N.A.	1.4
UL - Uplight-Low (90-100)	31.8	N.A.	0.5
UH - Uplight-High (100-180)	2.5	N.A.	0.0
Total	5862.7	N.A.	100.0
BUG Rating	B2-U2-G2		

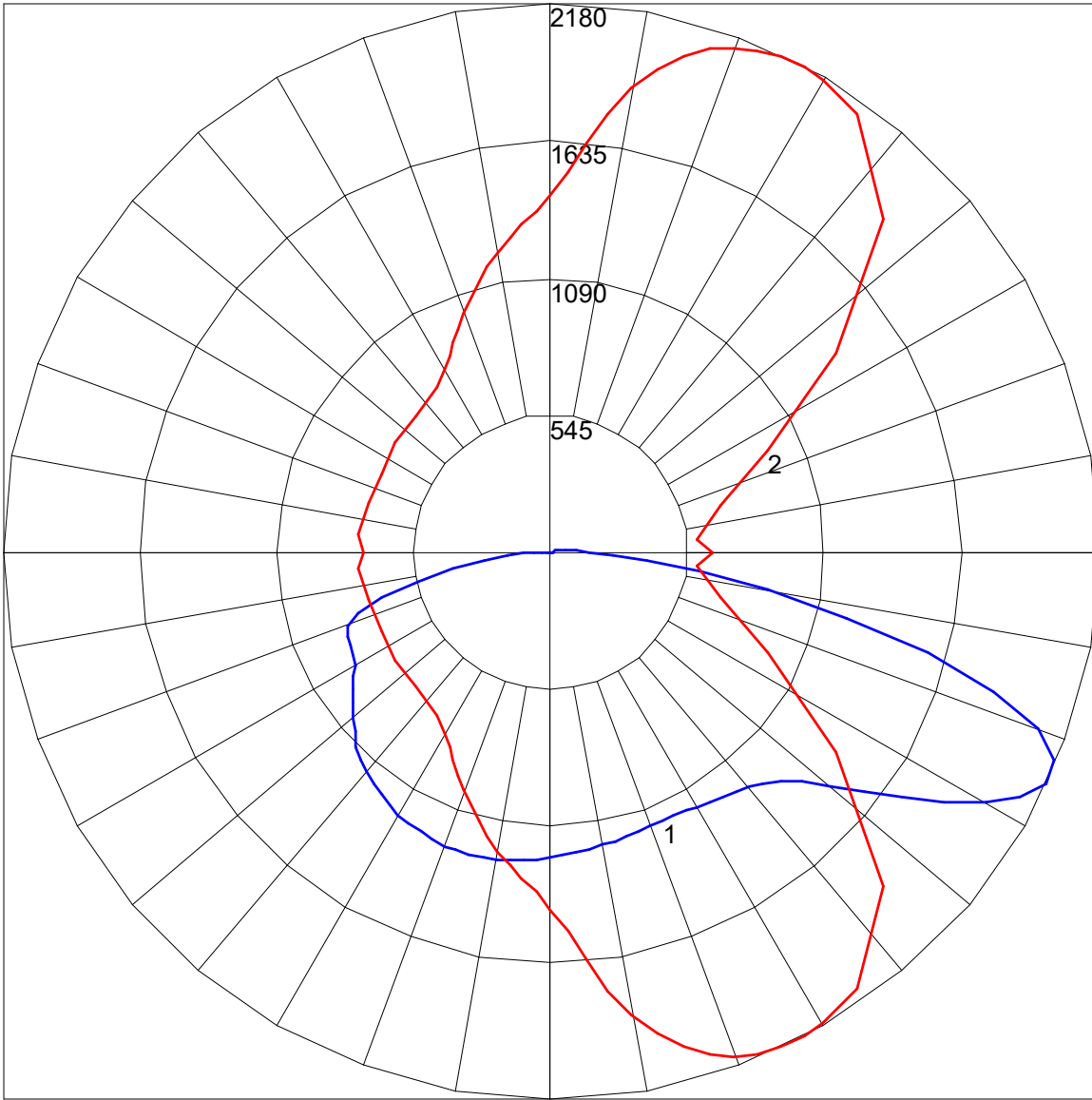
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

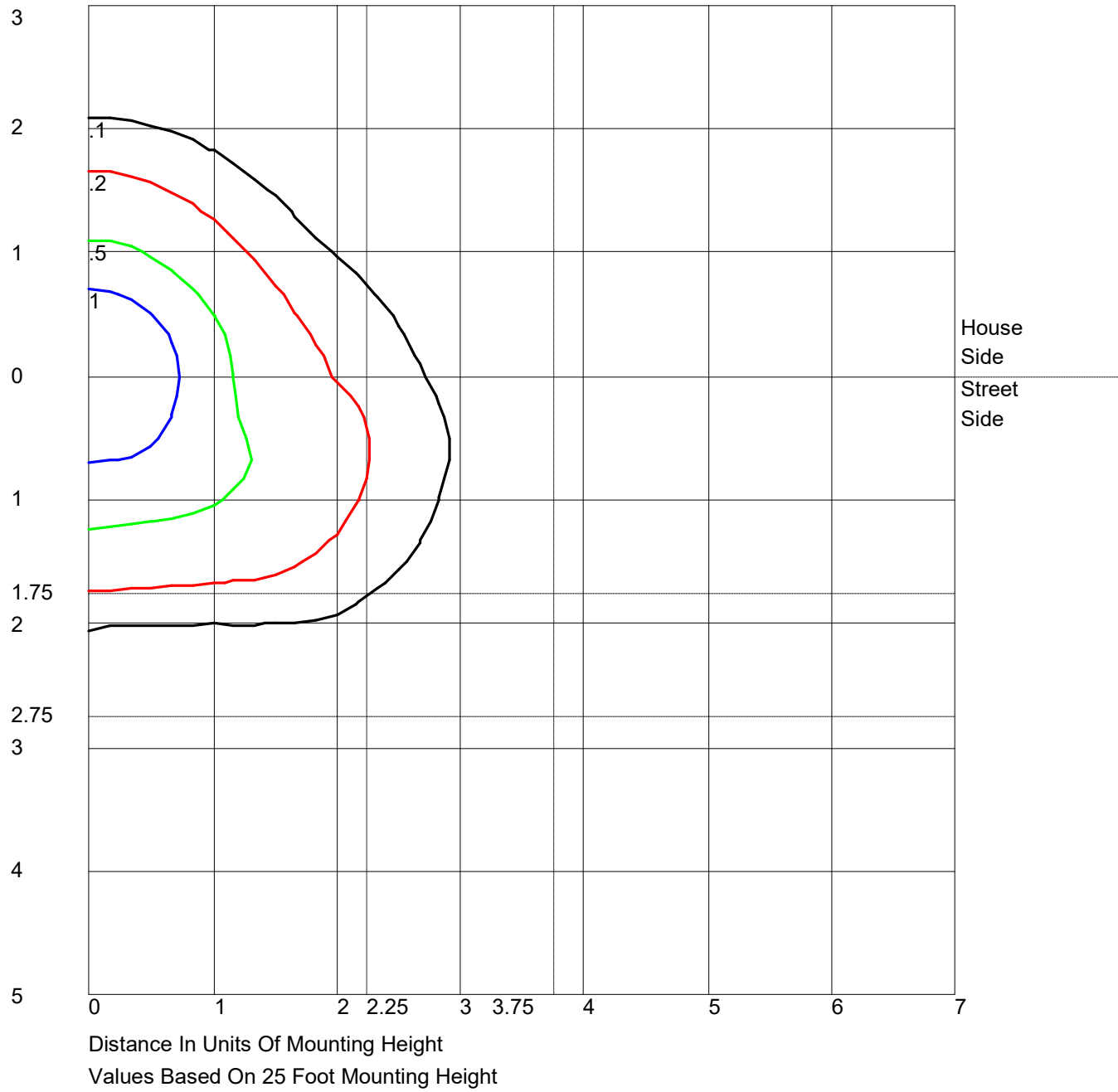
	Lumens	Percent Of Luminaire
Downward Street Side	3290.6	56.1
Downward House Side	2537.8	43.3
Downward Total	5828.4	99.4
Upward Street Side	21.8	0.4
Upward House Side	12.5	0.2
Upward Total	34.3	0.6
Total Flux	5862.7	100.0

POLAR GRAPH

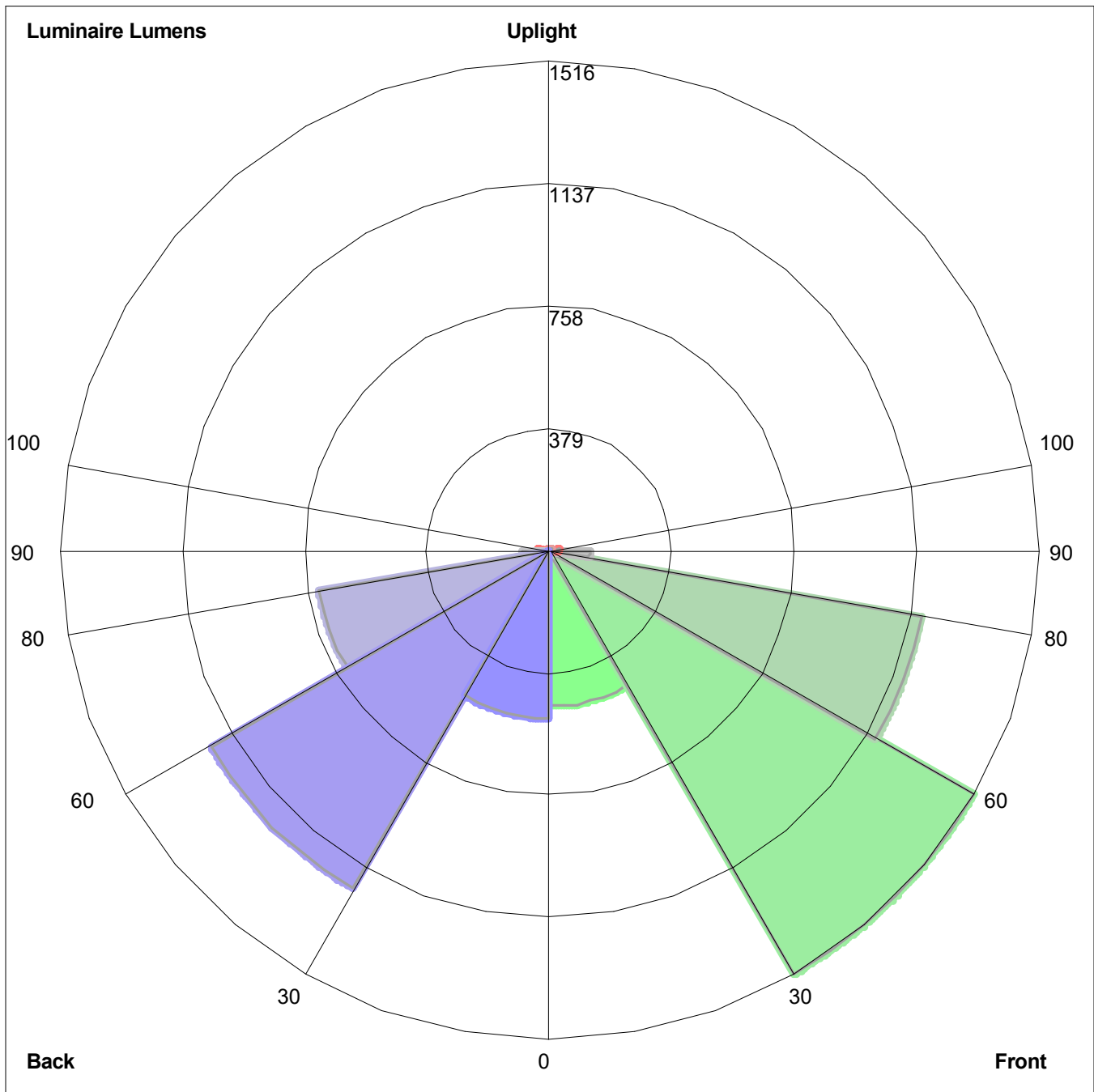


Maximum Candela = 2179.987 Located At Horizontal Angle = 62.5, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=483.1, Medium= 1516.0, High=1167.6, Very High=123.9  
Back: Low=519.8, Medium=1210.2, High=723.9, Very High=83.9  
Uplight: Low=31.8, High=2.5

BUG Rating : B2-U2-G2