



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-80-30-5-D.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12531664.06  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 12/3/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-80-30-5-D (Scaled from AX-80-50-5-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**

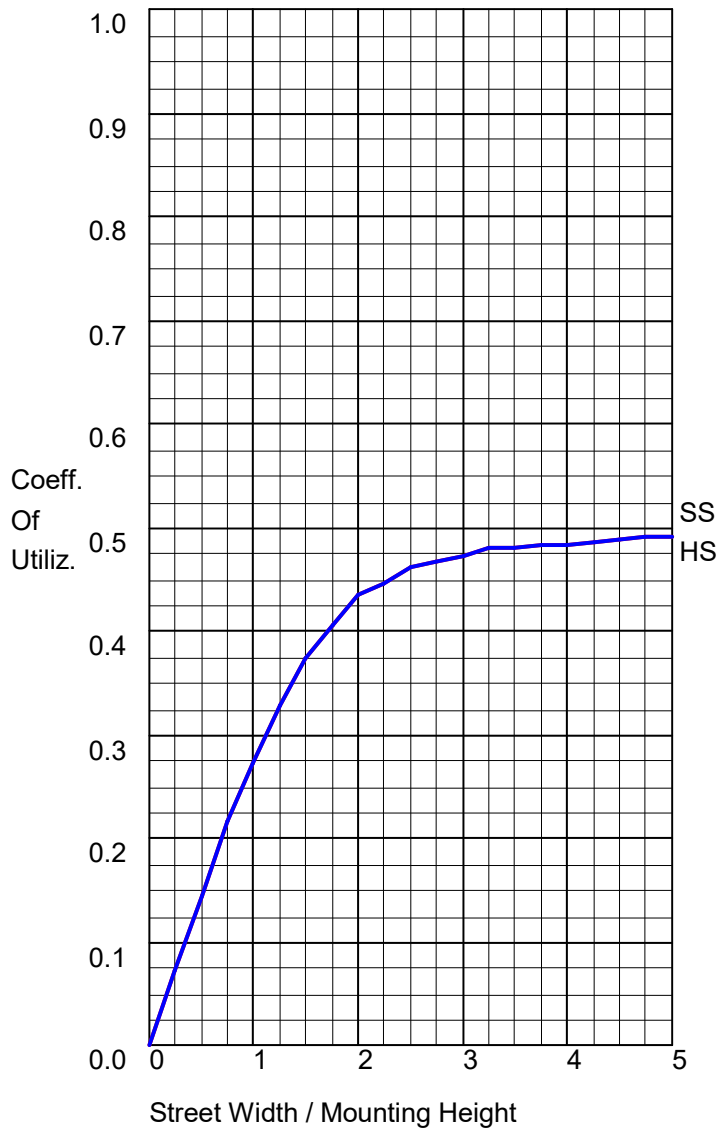
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9997
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3319.897
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	3319.897
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	69.808 (0.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	369.098 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	448.6	N.A.	4.5
FM - Front-Medium (30-60)	2579.4	N.A.	25.8
FH - Front-High (60-80)	1849.8	N.A.	18.5
FVH - Front-Very High (80-90)	98.0	N.A.	1.0
BL - Back-Low (0-30)	448.6	N.A.	4.5
BM - Back-Medium (30-60)	2579.4	N.A.	25.8
BH - Back-High (60-80)	1849.8	N.A.	18.5
BVH - Back-Very High (80-90)	98.0	N.A.	1.0
UL - Uplight-Low (90-100)	39.3	N.A.	0.4
UH - Uplight-High (100-180)	5.9	N.A.	0.1
Total	9996.8	N.A.	100.0
BUG Rating	B3-U2-G2		

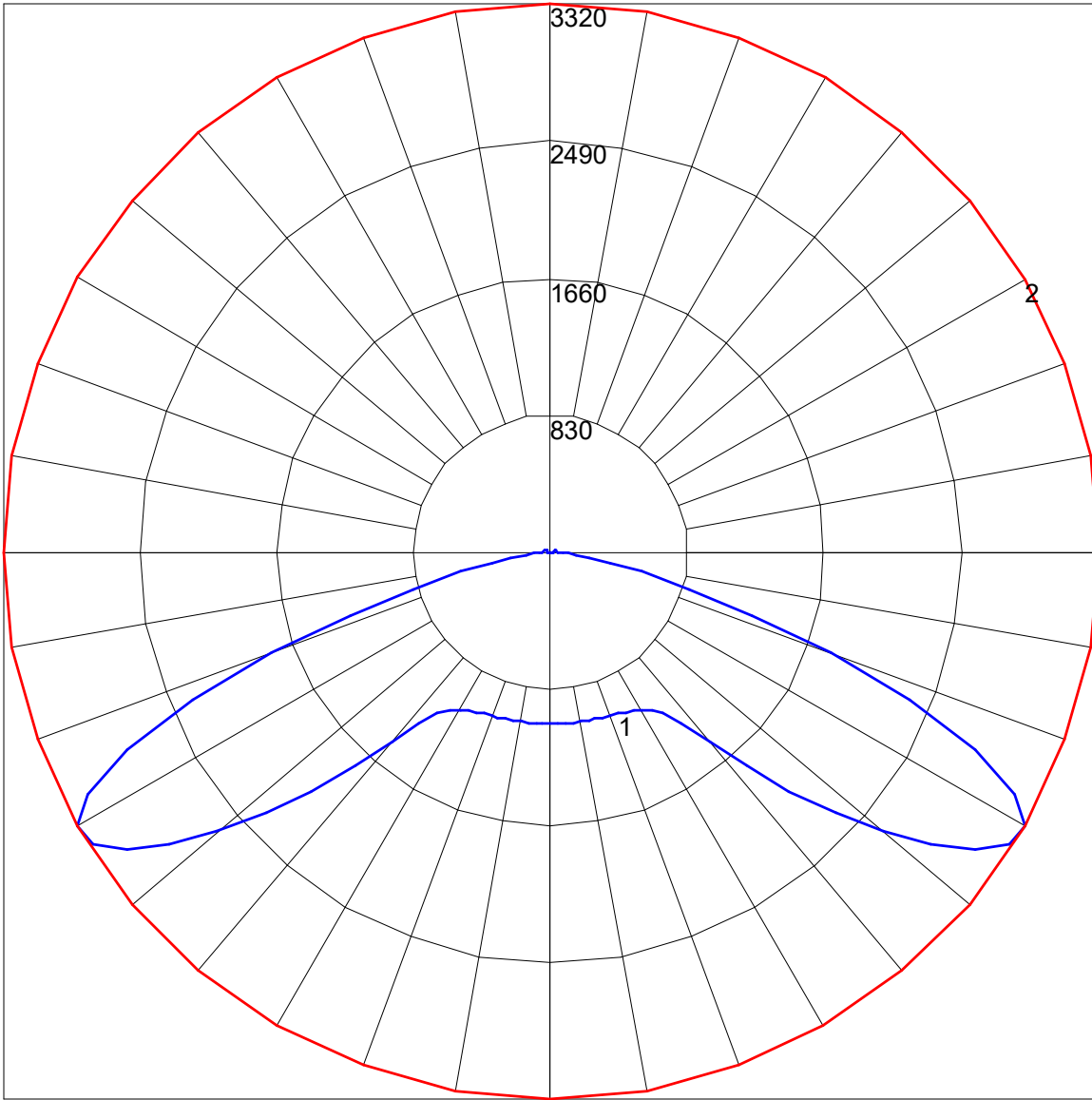
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

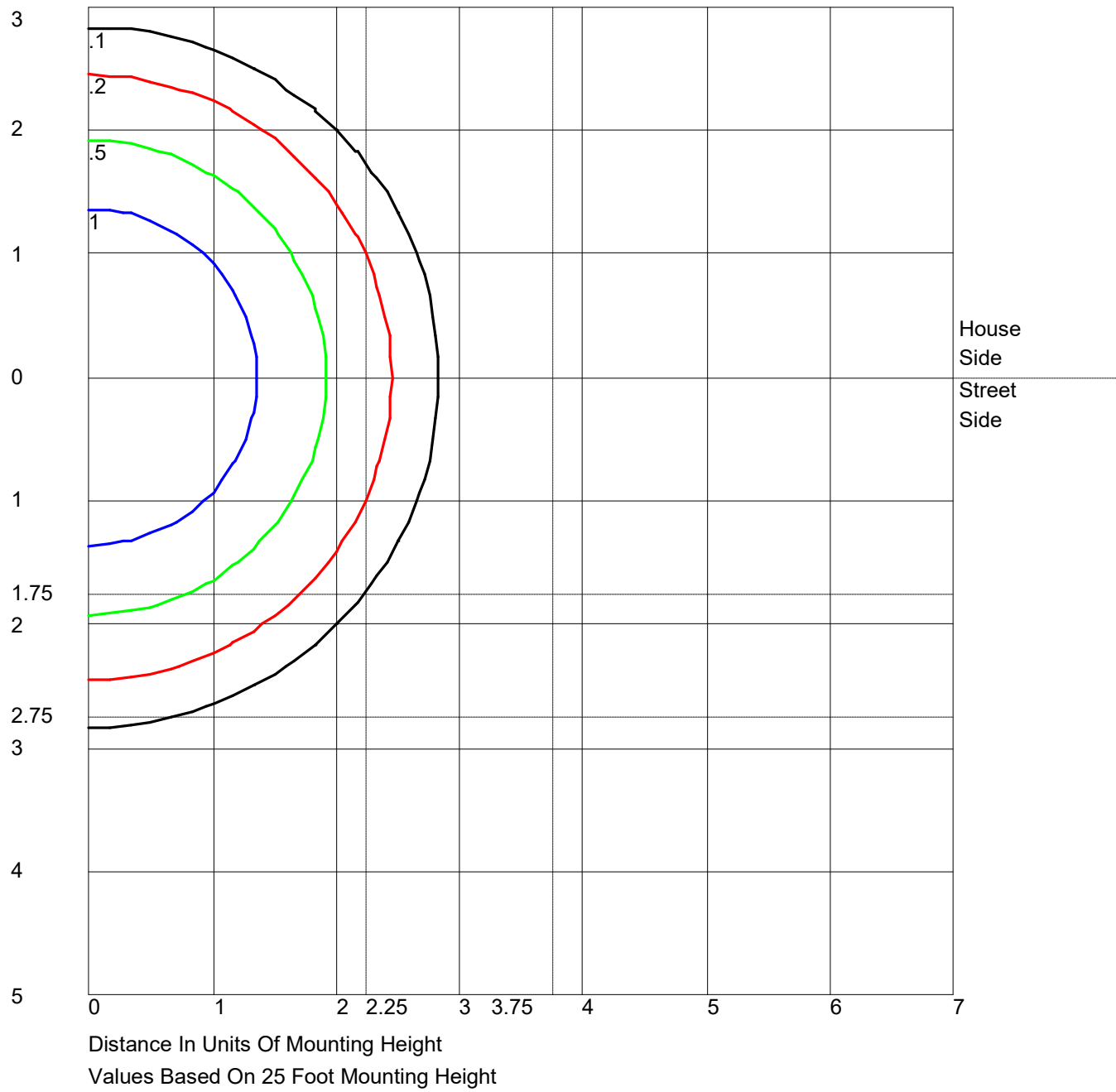
	Lumens	Percent Of Luminaire
Downward Street Side	4975.8	49.8
Downward House Side	4975.8	49.8
Downward Total	9951.6	99.5
Upward Street Side	22.6	0.2
Upward House Side	22.6	0.2
Upward Total	45.2	0.5
Total Flux	9996.8	100.0

POLAR GRAPH

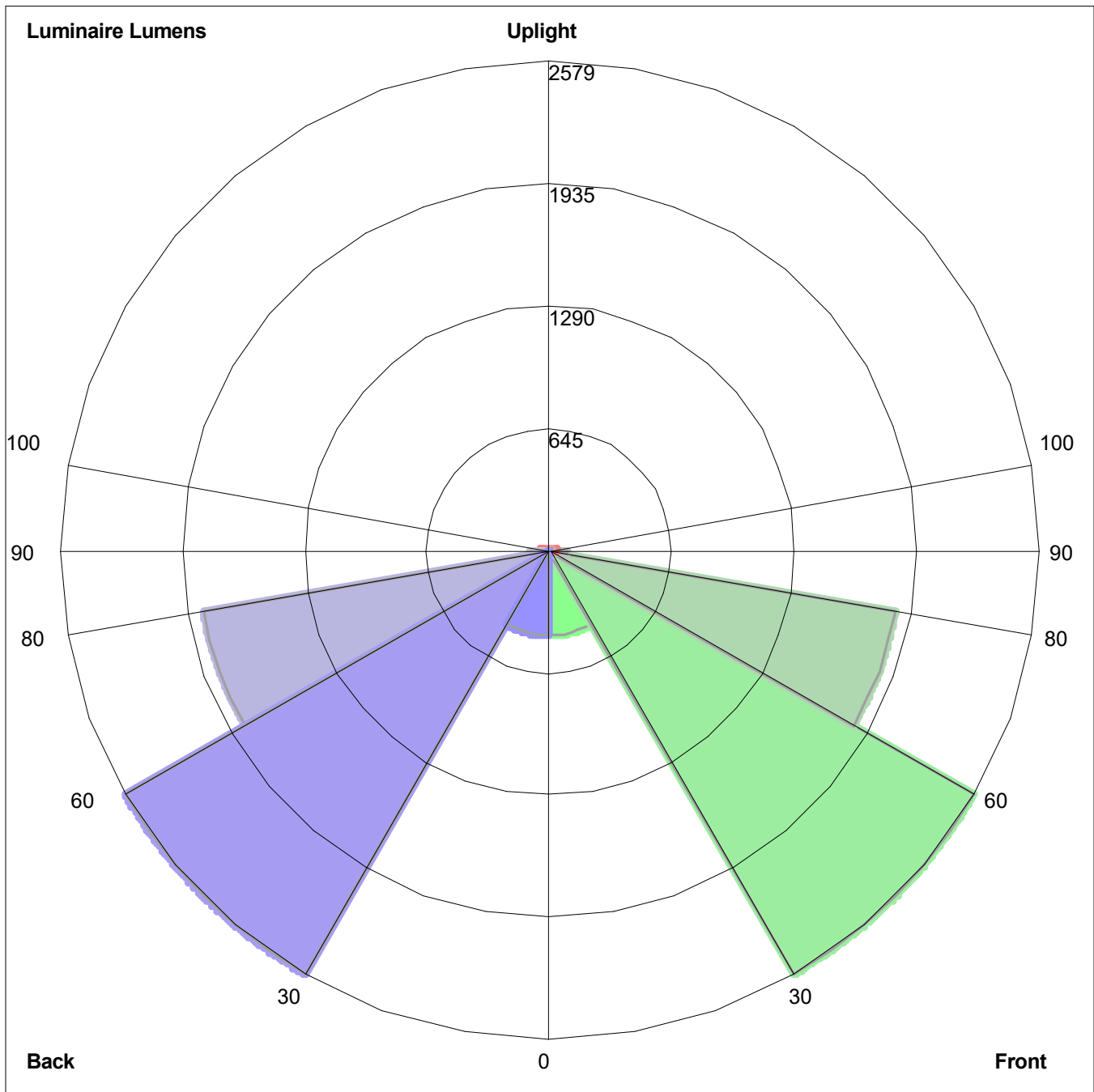


Maximum Candela = 3319.897 Located At Horizontal Angle = 0, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=448.6, Medium=2579.4, High=1849.8, Very High=98.0  
 Back: Low=448.6, Medium=2579.4, High=1849.8, Very High=98.0  
 Uplight: Low=39.3, High=5.9

BUG Rating : B3-U2-G2