



IES ROAD REPORT
PHOTOMETRIC FILENAME : AX-70-27-3-C.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 12698747.02A
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 1/22/2019
[MANUFAC] Express Imaging Systems LLC dba Evluma
[LUMCAT] AX-70-27-3-C (Scaled from AX-70-50-3-C)
[LUMINAIRE] Gray metal housing, white plastic reflector and cutoff gla
[MORE] ss 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

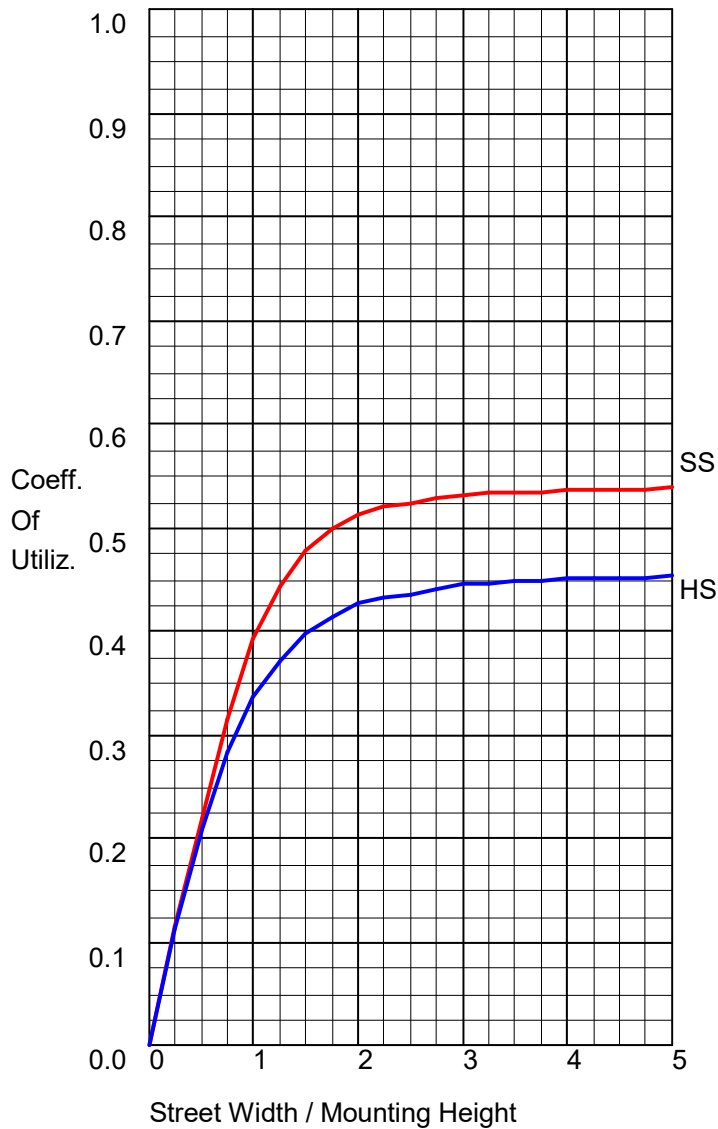
| | |
|---|---------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7912 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 113 |
| Total Luminaire Watts | 70 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 2829.762 |
| Maximum Candela Angle | 62.5H 57.5V |
| Maximum Candela (<90 Degrees Vertical) | 2829.762 |
| Maximum Candela Angle (<90 Degrees Vertical) | 62.5H 57.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 458.116 (5.8% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 779.8 | N.A. | 9.9 |
| FM - Front-Medium (30-60) | 2370.1 | N.A. | 30.0 |
| FH - Front-High (60-80) | 1078.9 | N.A. | 13.6 |
| FVH - Front-Very High (80-90) | 62.7 | N.A. | 0.8 |
| BL - Back-Low (0-30) | 820.5 | N.A. | 10.4 |
| BM - Back-Medium (30-60) | 1925.3 | N.A. | 24.3 |
| BH - Back-High (60-80) | 814.1 | N.A. | 10.3 |
| BVH - Back-Very High (80-90) | 60.2 | N.A. | 0.8 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 7911.6 | N.A. | 100.0 |
| BUG Rating | B2-U0-G2 | | |

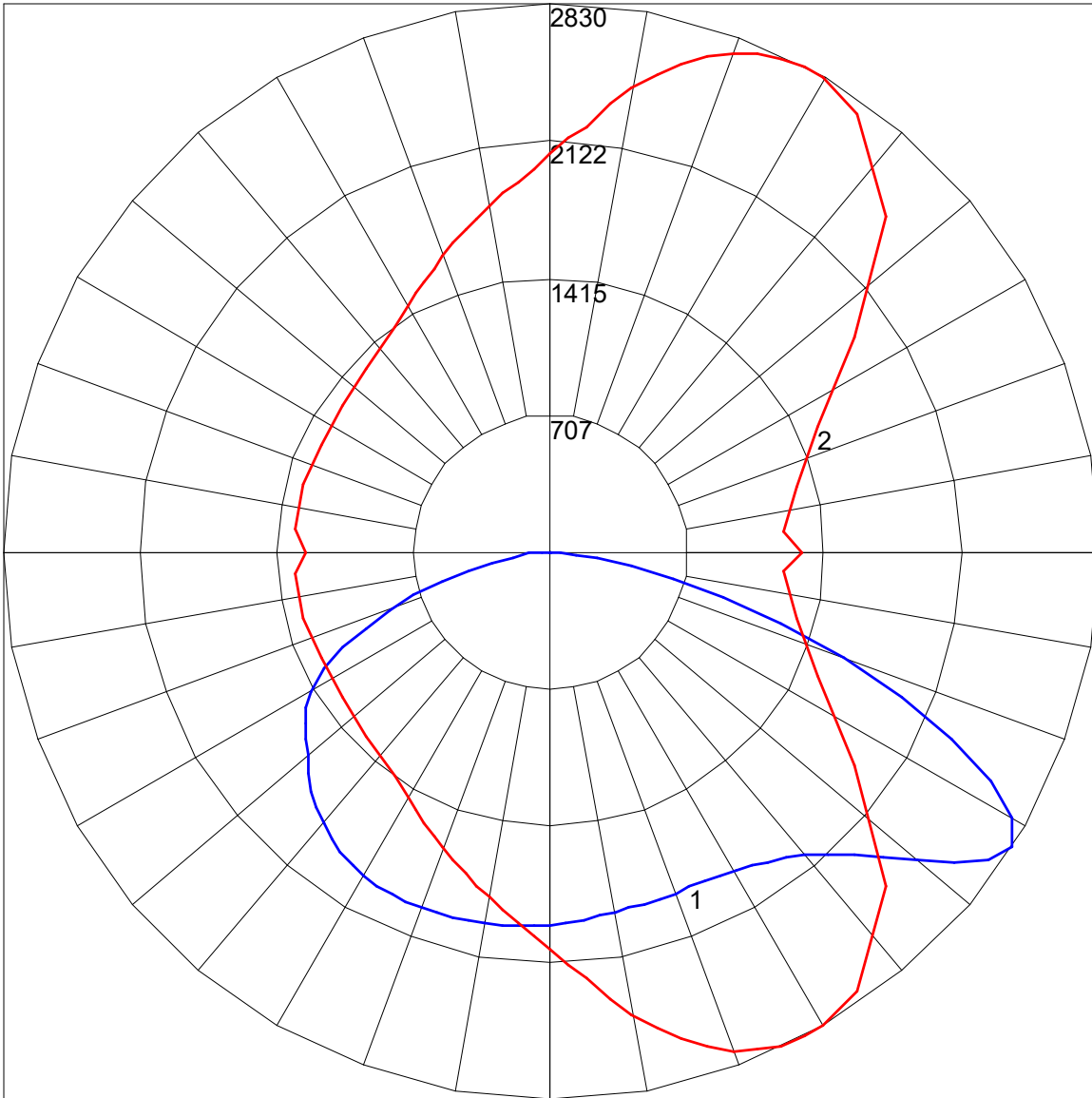
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

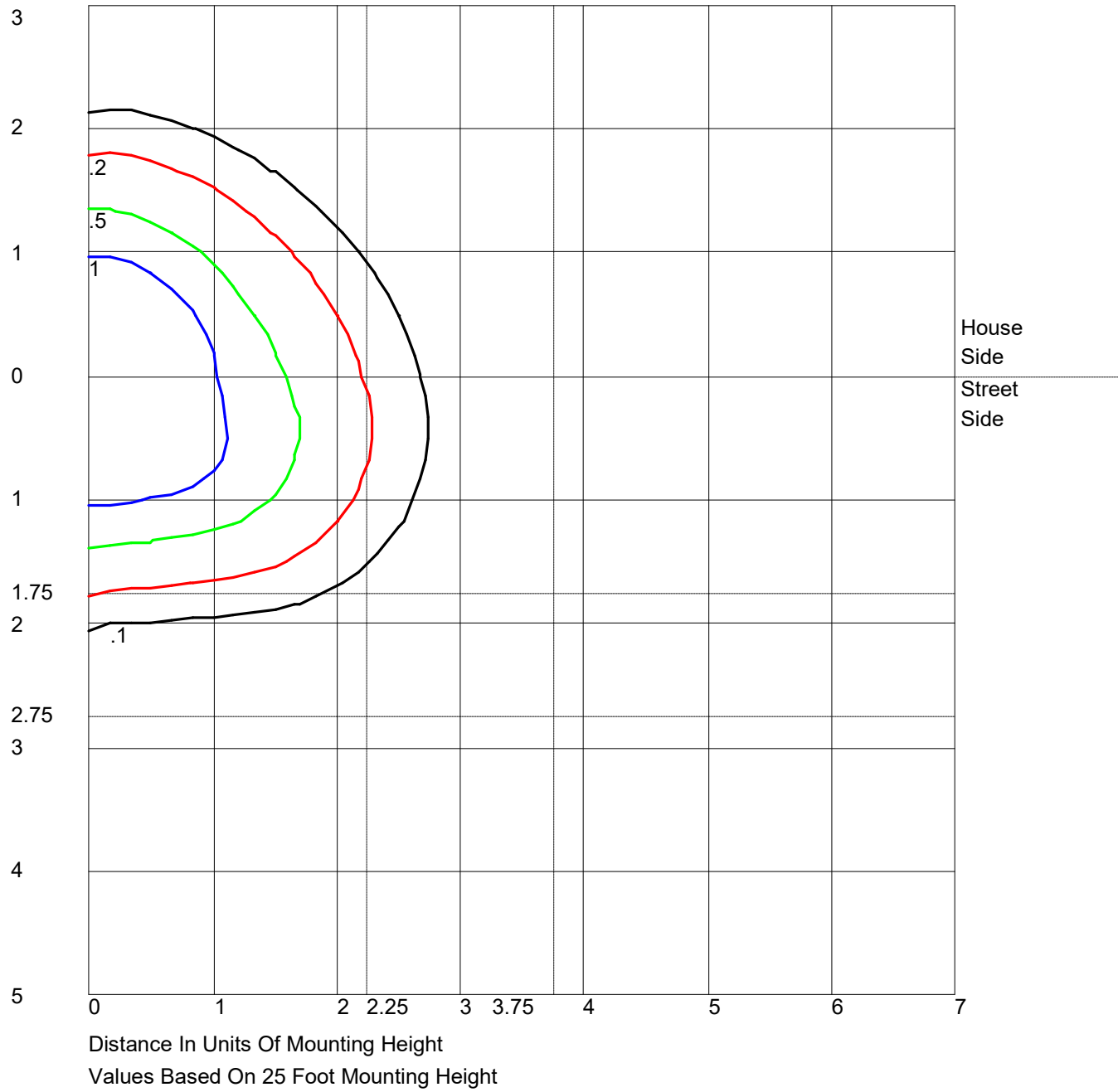
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 4291.6 | 54.2 |
| Downward House Side | 3620.2 | 45.8 |
| Downward Total | 7911.8 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 7911.8 | 100.0 |

POLAR GRAPH

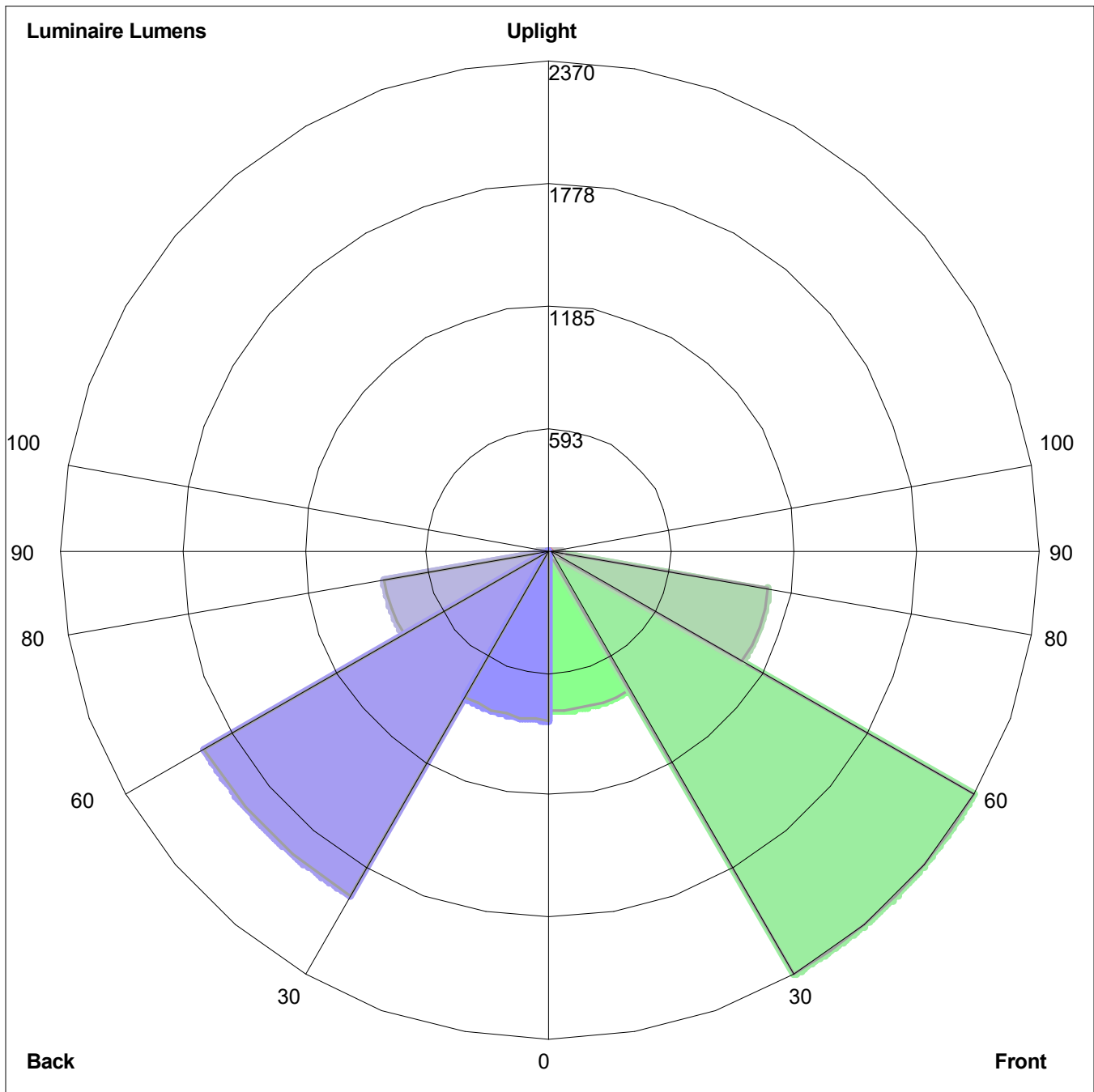


Maximum Candela = 2829.762 Located At Horizontal Angle = 62.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=779.8, Medium=2370.1, High=1078.9, Very High=62.7
Back: Low=820.5, Medium=1925.3, High=814.1, Very High=60.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2