



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AX-40-27-5-C.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 12593999.07  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 11/19/2018  
[MANUFAC] Express Imaging Systems LLC dba Evluma  
[LUMCAT] AX-40-27-5-C (Scaled from AX-70-50-5-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**

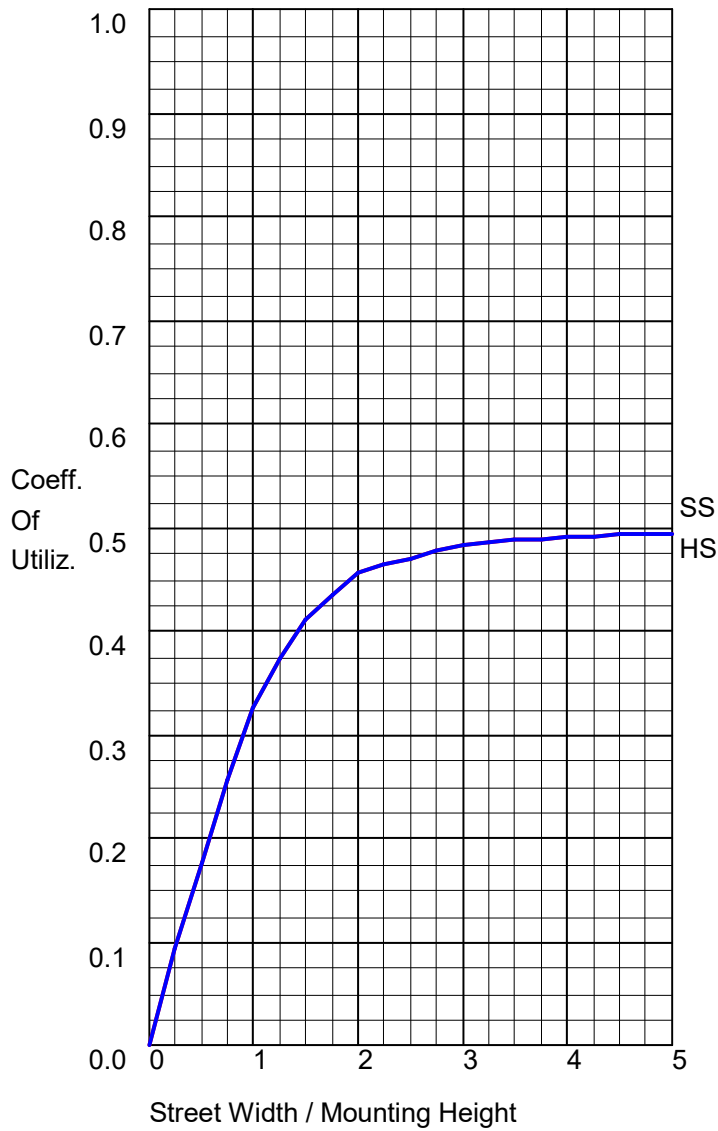
|   |                                 |
|---|---------------------------------|
| IES Classification                              | Type VS                         |
| Longitudinal Classification                     | Very Short                      |
| Lumens Per Lamp                                 | N.A. (absolute)                 |
| Total Lamp Lumens                               | N.A. (absolute)                 |
| Luminaire Lumens                                | 4873                            |
| Downward Total Efficiency                       | N.A. (absolute)                 |
| Total Luminaire Efficiency                      | N.A. (absolute)                 |
| Luminaire Efficacy Rating (LER)                 | 122                             |
| Total Luminaire Watts                           | 40                              |
| Ballast Factor                                  | 1.00                            |
| Upward Waste Light Ratio                        | 0.00                            |
| Maximum Candela                                 | 1420.95                         |
| Maximum Candela Angle                           | 155H 52.5V                      |
| Maximum Candela (<90 Degrees Vertical)          | 1420.95                         |
| Maximum Candela Angle (<90 Degrees Vertical)    | 155H 52.5V                      |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)       |
| Maximum Candela from 80 to <90 Degrees Vertical | 193.725 (4.0% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                 |

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 330.7    | N.A.   | 6.8         |
| FM - Front-Medium (30-60)     | 1434.7   | N.A.   | 29.4        |
| FH - Front-High (60-80)       | 633.2    | N.A.   | 13.0        |
| FVH - Front-Very High (80-90) | 38.0     | N.A.   | 0.8         |
| BL - Back-Low (0-30)          | 330.7    | N.A.   | 6.8         |
| BM - Back-Medium (30-60)      | 1434.7   | N.A.   | 29.4        |
| BH - Back-High (60-80)        | 633.2    | N.A.   | 13.0        |
| BVH - Back-Very High (80-90)  | 38.0     | 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                         | 4873.2   | N.A.   | 100.0       |
| BUG Rating                    | B2-U0-G1 |        |             |

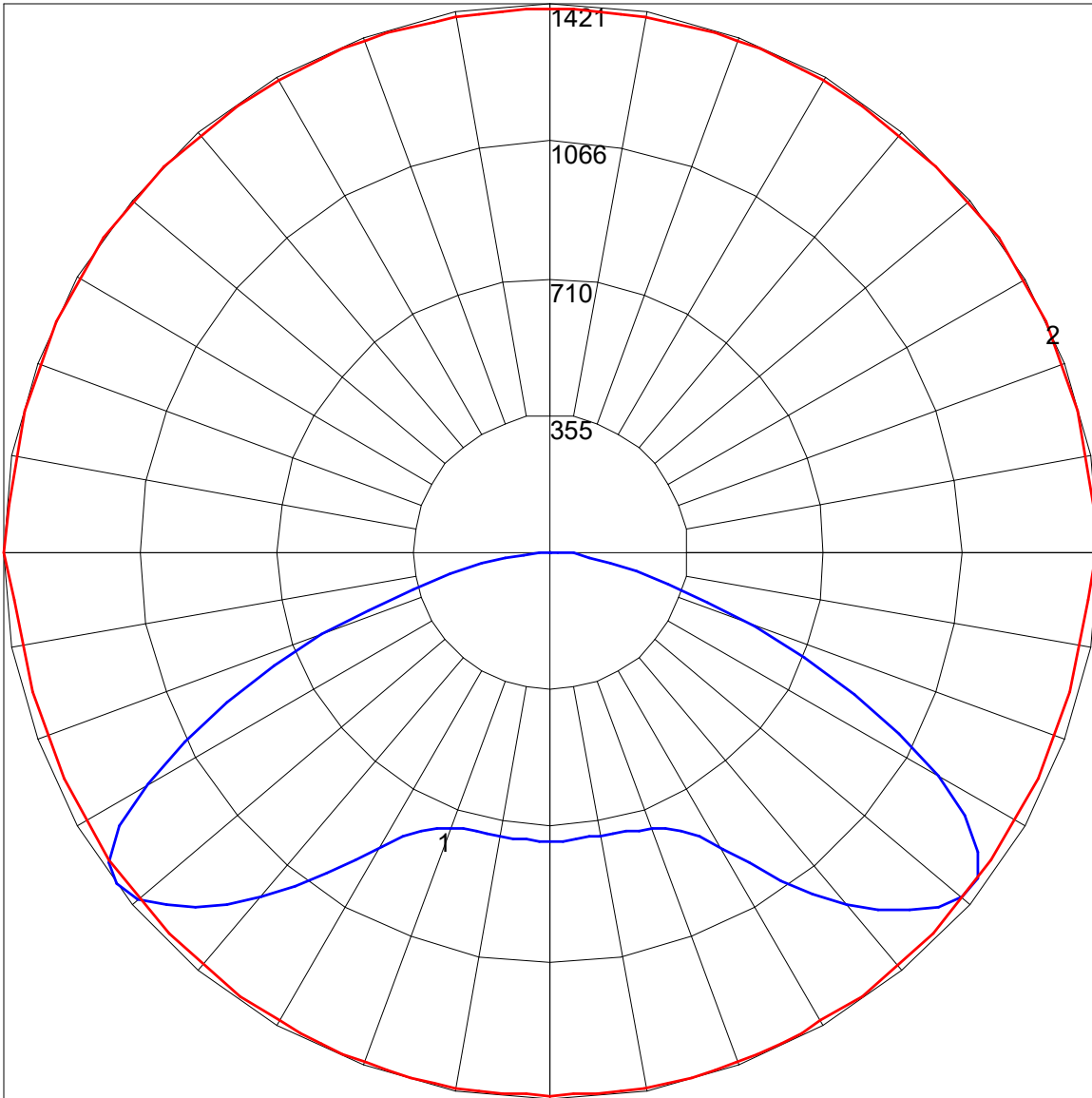
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

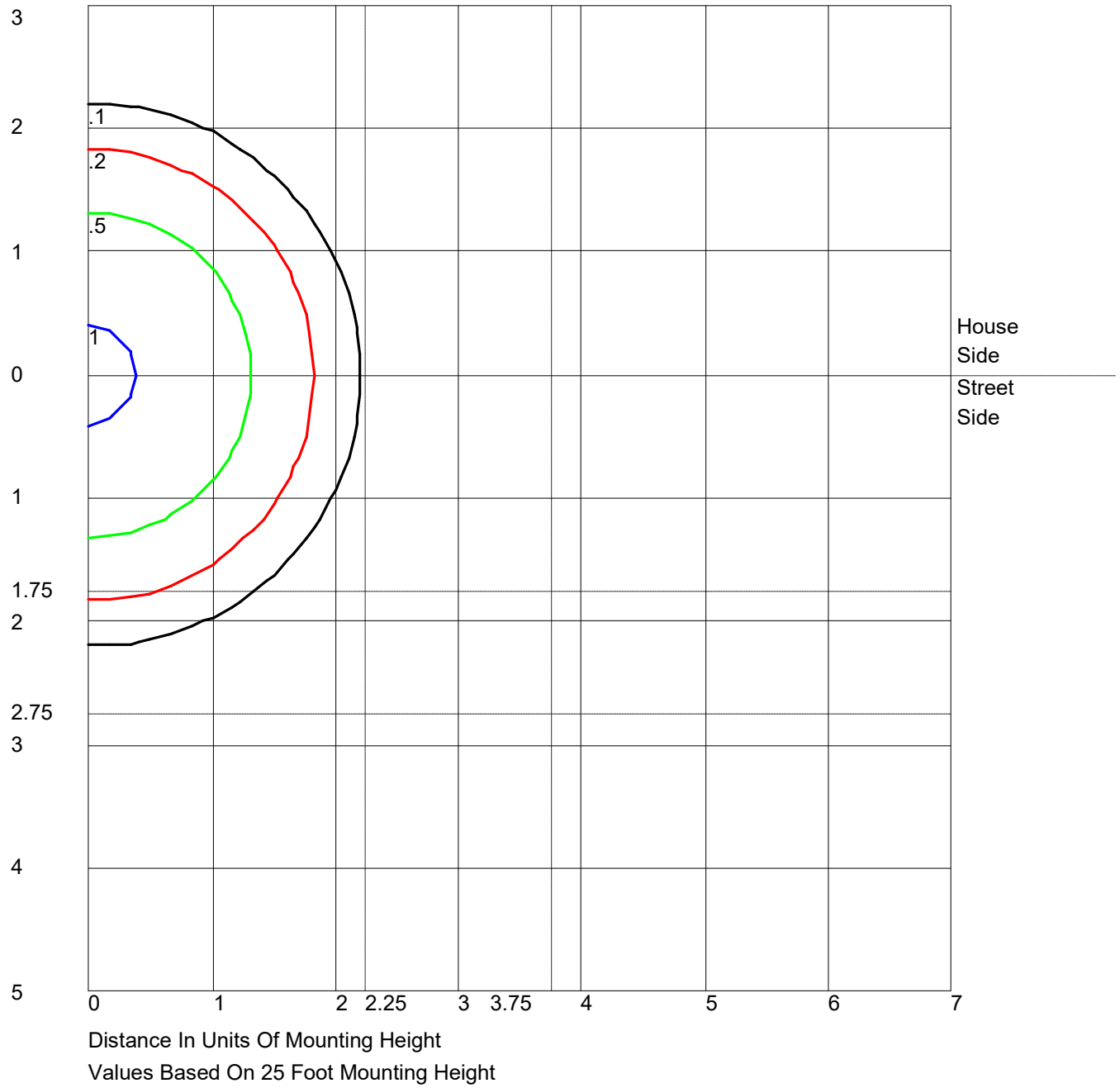
|                      | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 2436.6 | 50.0                 |
| Downward House Side  | 2436.6 | 50.0                 |
| Downward Total       | 4873.2 | 100.0                |
| Upward Street Side   | 0.0    | 0.0                  |
| Upward House Side    | 0.0    | 0.0                  |
| Upward Total         | 0.0    | 0.0                  |
| Total Flux           | 4873.2 | 100.0                |

POLAR GRAPH

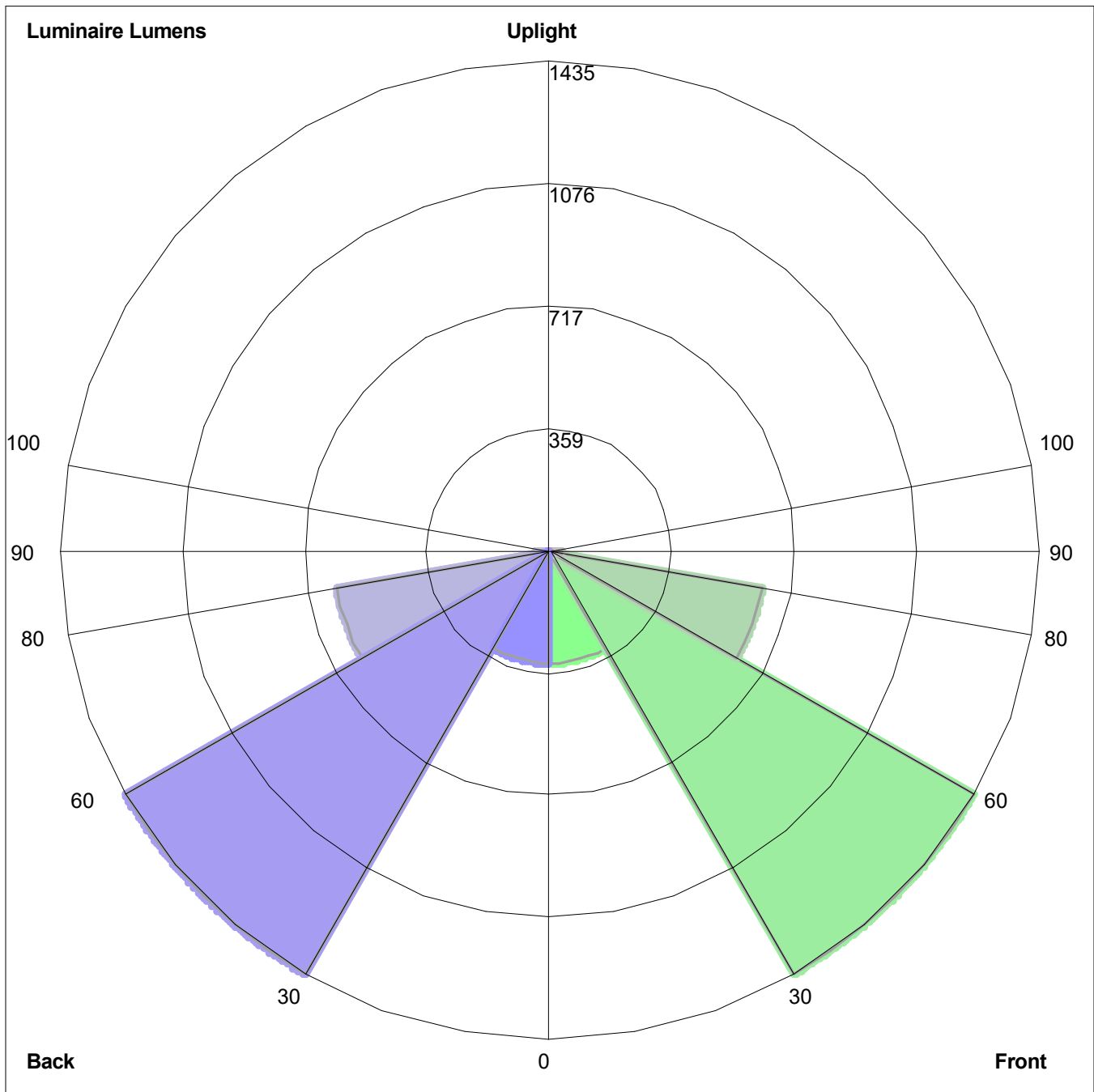


Maximum Candela = 1420.95 Located At Horizontal Angle = 155, Vertical Angle = 52.5  
# 1 - Vertical Plane Through Horizontal Angles (155 - 335) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=330.7, Medium=1434.7, High=633.2, Very High=38.0  
Back: Low=330.7, Medium=1434.7, High=633.2, Very High=38.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1