



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM3-60J-MV-27K-5-XX-170 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCM3-60J-MV-30K-5-XX-180  
[ISSUEDATE] 7/3/2019  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCM3-60J-MV-27K-5-XX-170

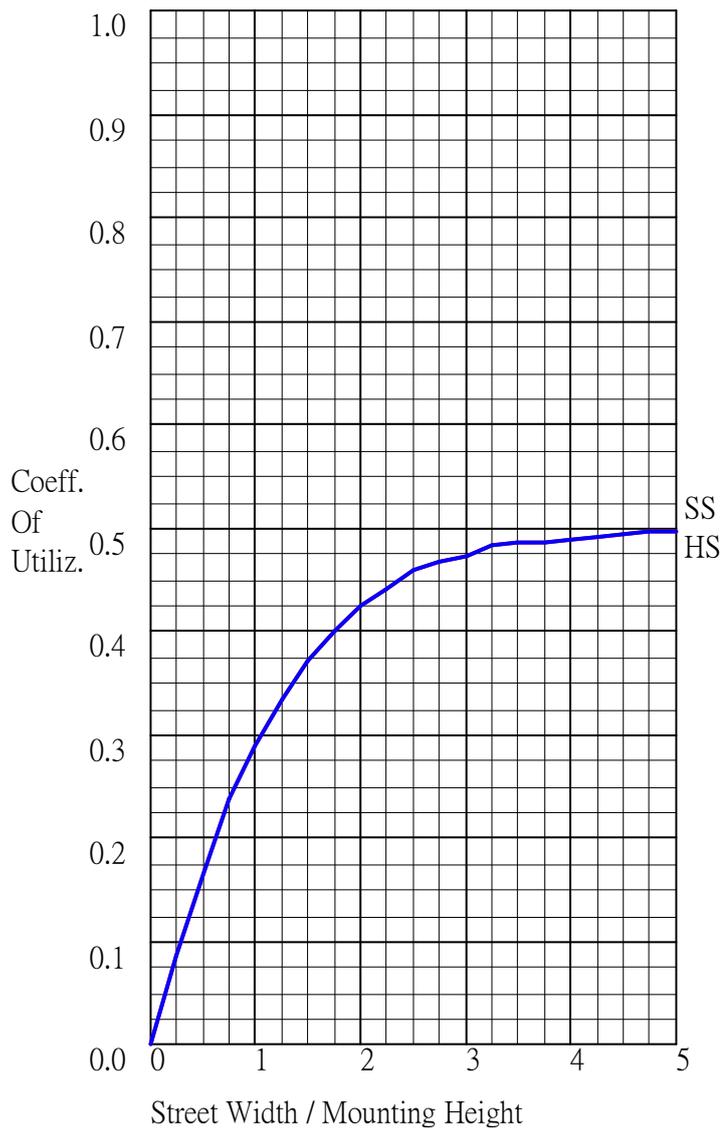
**CHARACTERISTICS**

|   |                                 |
|---|---------------------------------|
| IES Classification                              | Type VS                         |
| Longitudinal Classification                     | Short                           |
| Lumens Per Lamp                                 | N.A. (absolute)                 |
| Total Lamp Lumens                               | N.A. (absolute)                 |
| Luminaire Lumens                                | 17384                           |
| Downward Total Efficiency                       | N.A. (absolute)                 |
| Total Luminaire Efficiency                      | N.A. (absolute)                 |
| Luminaire Efficacy Rating (LER)                 | 141                             |
| Total Luminaire Watts                           | 123                             |
| Ballast Factor                                  | 1.00                            |
| Upward Waste Light Ratio                        | 0.00                            |
| Maximum Candela                                 | 5365.243                        |
| Maximum Candela Angle                           | 45H 69.5V                       |
| Maximum Candela (<90 Degrees Vertical)          | 5365.243                        |
| Maximum Candela At 90 Degrees Vertical)         | 45H 69.5V                       |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)       |
| Maximum Candela from 80 to <90 Degrees Vertical | 994.063 (5.7% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                 |

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens         | % Lamp      | % Luminaire  |
|-------------------------------|----------------|-------------|--------------|
| FL - Front-Low (0-30)         | 1274.1         | N.A.        | 7.3          |
| FM - Front-Medium (30-60)     | 3852.1         | N.A.        | 22.2         |
| FH - Front-High (60-80)       | 3480.7         | N.A.        | 20.0         |
| FVH - Front-Very High (80-90) | 85.0           | N.A.        | 0.5          |
| BL - Back-Low (0-30)          | 1274.1         | N.A.        | 7.3          |
| BM - Back-Medium (30-60)      | 3852.1         | N.A.        | 22.2         |
| BH - Back-High (60-80)        | 3480.7         | N.A.        | 20.0         |
| BVH - Back-Very High (80-90)  | 85.0           | N.A.        | 0.5          |
| UL - Uplight-Low (90-100)     | 0.0            | N.A.        | 0.0          |
| UH - Uplight-High (100-180)   | 0.0            | N.A.        | 0.0          |
| <b>Total</b>                  | <b>17383.8</b> | <b>N.A.</b> | <b>100.0</b> |
| BUG Rating                    | B4-U0-G2       |             |              |

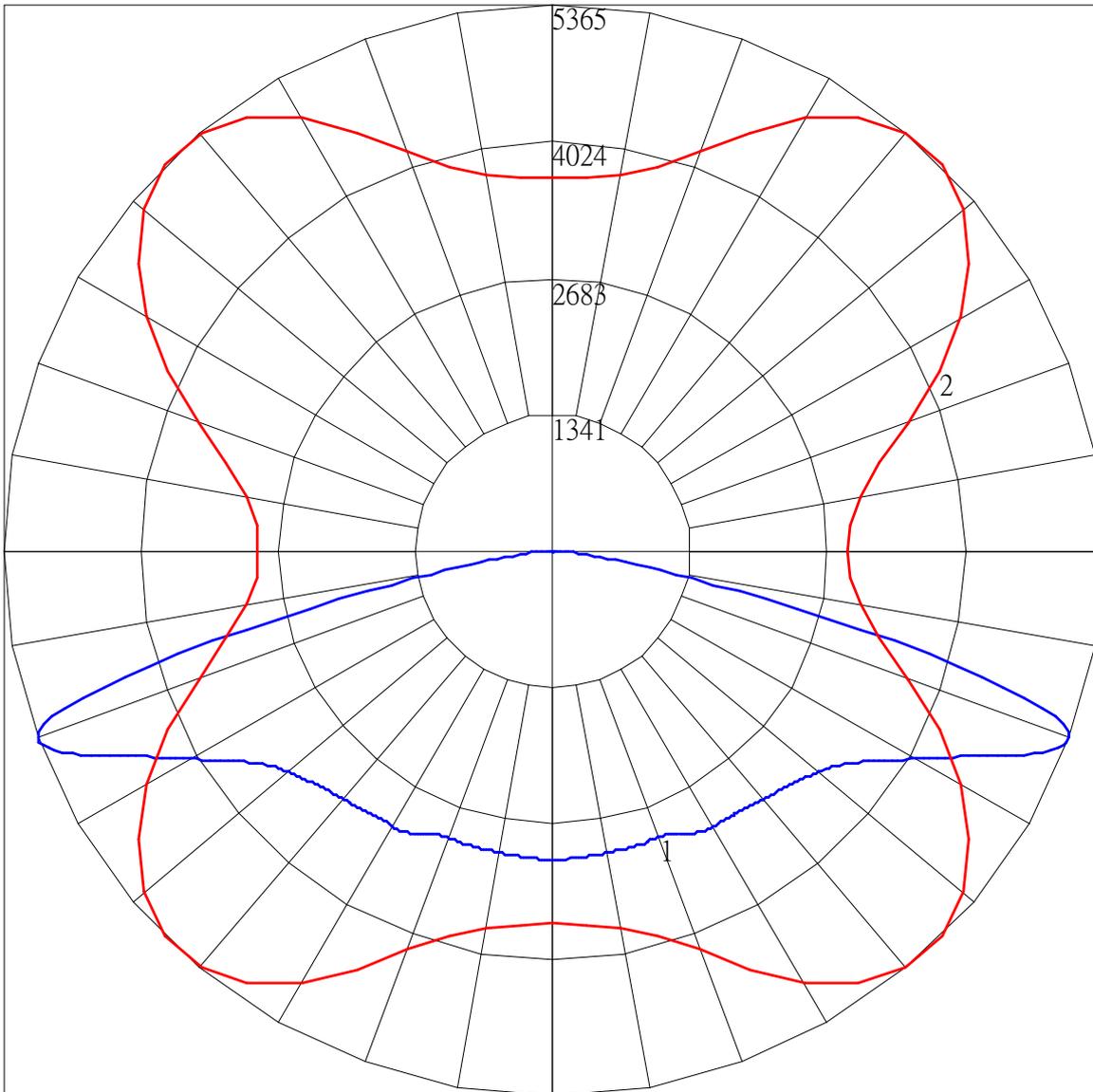
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

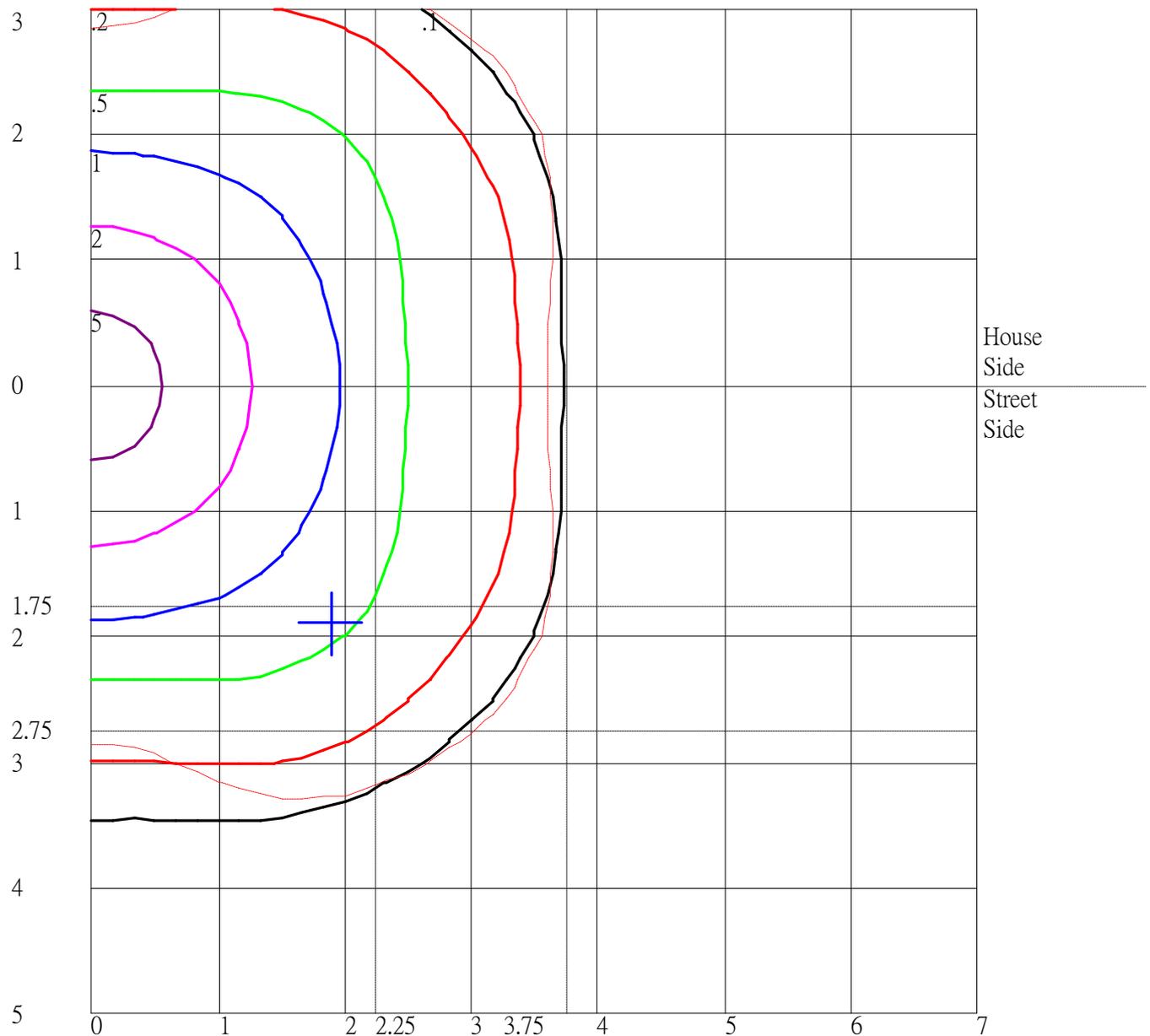
|                      | Lumens  | Percent Of Luminaire |
|----------------------|---------|----------------------|
| Downward Street Side | 8692.0  | 50.0                 |
| Downward House Side  | 8692.0  | 50.0                 |
| Downward Total       | 17384.0 | 100.0                |
| Upward Street Side   | 0.0     | 0.0                  |
| Upward House Side    | 0.0     | 0.0                  |
| Upward Total         | 0.0     | 0.0                  |
| Total Flux           | 17384.0 | 100.0                |

POLAR GRAPH



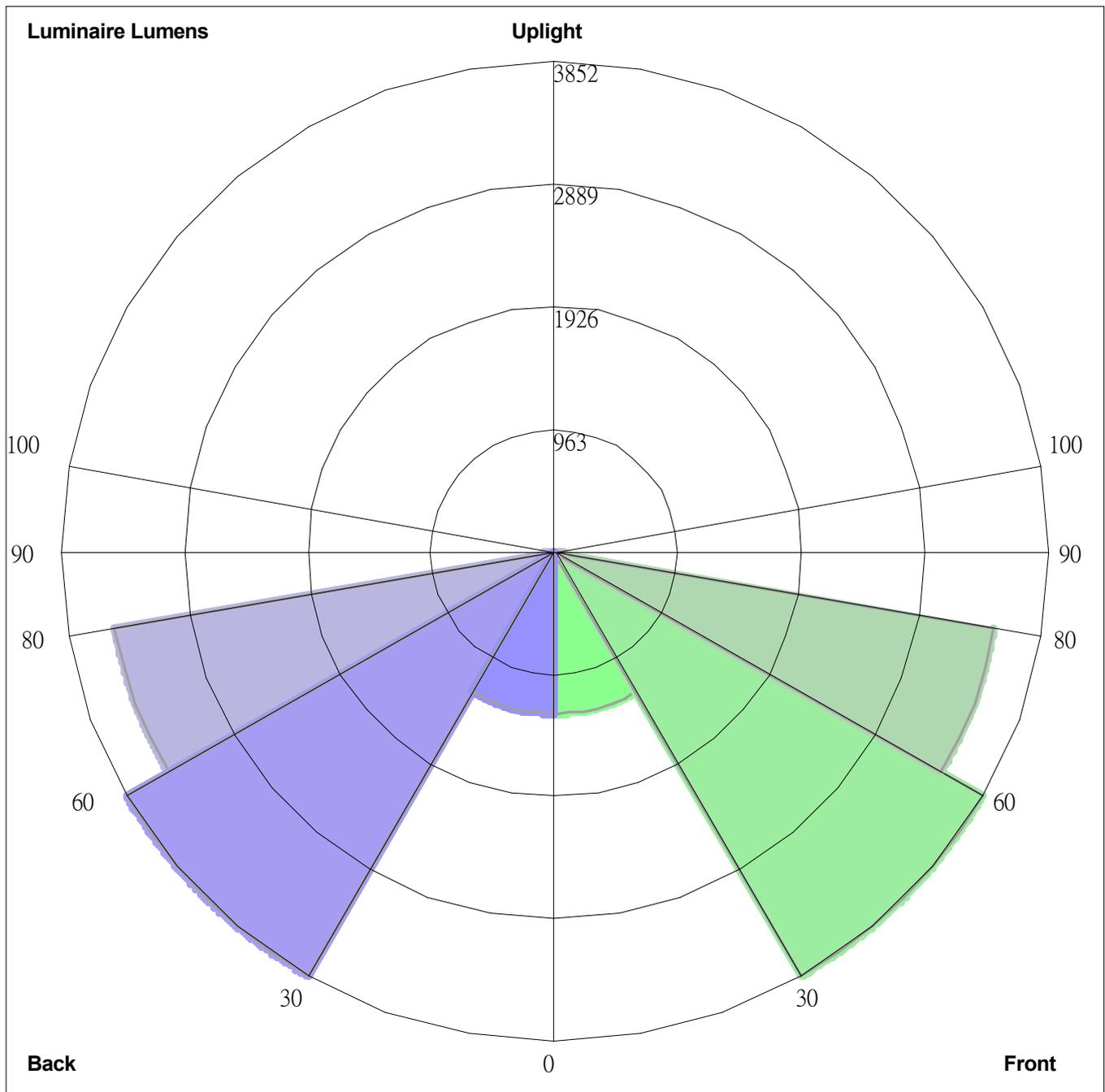
Maximum Candela = 5365.243 Located At Horizontal Angle = 45, Vertical Angle = 69.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (69.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 20 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1274.1, Medium=3852.1, High=3480.7, Very High=85.0  
Back: Low=1274.1, Medium=3852.1, High=3480.7, Very High=85.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2