



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCM1-60J-MV-27K-3F-XX-110 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCM1-60J-MV-30K-3F-XX-125

[ISSUEDATE] 7/3/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCM1-60J-MV-27K-3F-XX-110

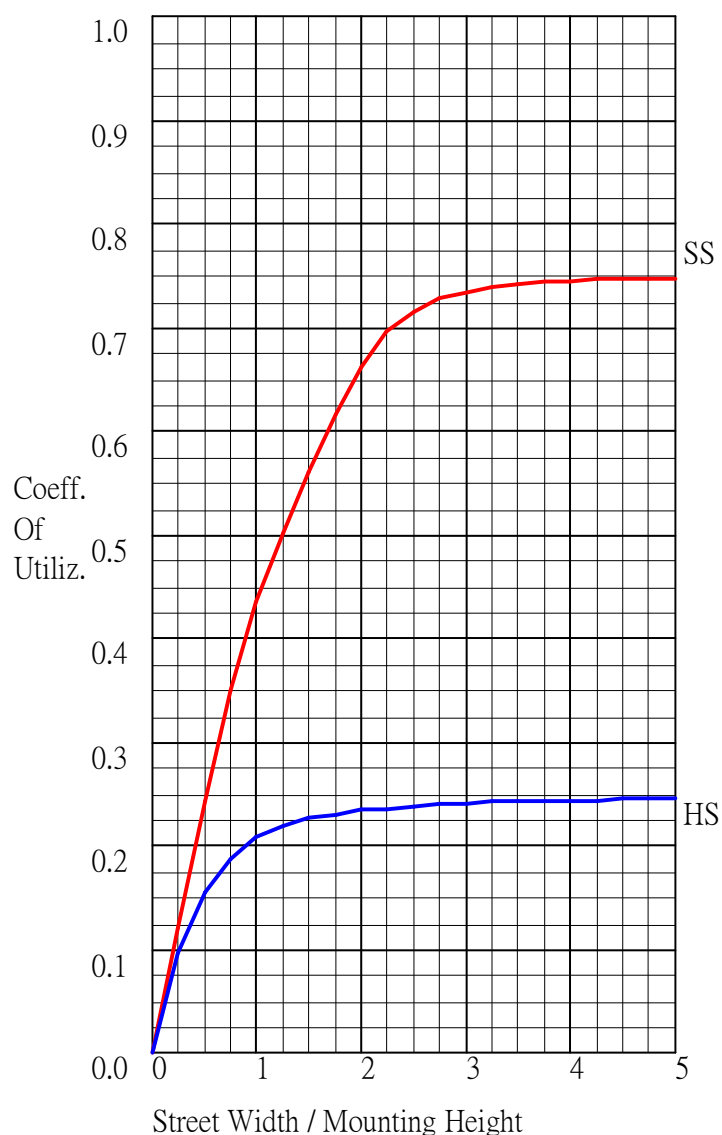
### CHARACTERISTICS

|   |                                 |
|---|---------------------------------|
| IES Classification                              | Type III                        |
| Longitudinal Classification                     | Very Short                      |
| Lumens Per Lamp                                 | N.A. (absolute)                 |
| Total Lamp Lumens                               | N.A. (absolute)                 |
| Luminaire Lumens                                | 10983                           |
| Downward Total Efficiency                       | N.A. (absolute)                 |
| Total Luminaire Efficiency                      | N.A. (absolute)                 |
| Luminaire Efficacy Rating (LER)                 | 153                             |
| Total Luminaire Watts                           | 72                              |
| Ballast Factor                                  | 1.00                            |
| Upward Waste Light Ratio                        | 0.00                            |
| Maximum Candela                                 | 5936.855                        |
| Maximum Candela Angle                           | 0H 59.5V                        |
| Maximum Candela (<90 Degrees Vertical)          | 5936.855                        |
| Maximum Candela Angle (<90 Degrees Vertical)    | 0H 59.5V                        |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)       |
| Maximum Candela from 80 to <90 Degrees Vertical | 705.191 (6.4% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                 |

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 1134.2   | N.A.   | 10.3        |
| FM - Front-Medium (30-60)     | 3860.0   | N.A.   | 35.1        |
| FH - Front-High (60-80)       | 3203.1   | N.A.   | 29.2        |
| FVH - Front-Very High (80-90) | 66.6     | N.A.   | 0.6         |
| BL - Back-Low (0-30)          | 741.3    | N.A.   | 6.7         |
| BM - Back-Medium (30-60)      | 1289.7   | N.A.   | 11.7        |
| BH - Back-High (60-80)        | 656.6    | N.A.   | 6.0         |
| BVH - Back-Very High (80-90)  | 31.5     | N.A.   | 0.3         |
| UL - Uplight-Low (90-100)     | 0.0      | N.A.   | 0.0         |
| UH - Uplight-High (100-180)   | 0.0      | N.A.   | 0.0         |
| Total                         | 10983.0  | N.A.   | 100.0       |
| BUG Rating                    | B2-U0-G2 |        |             |

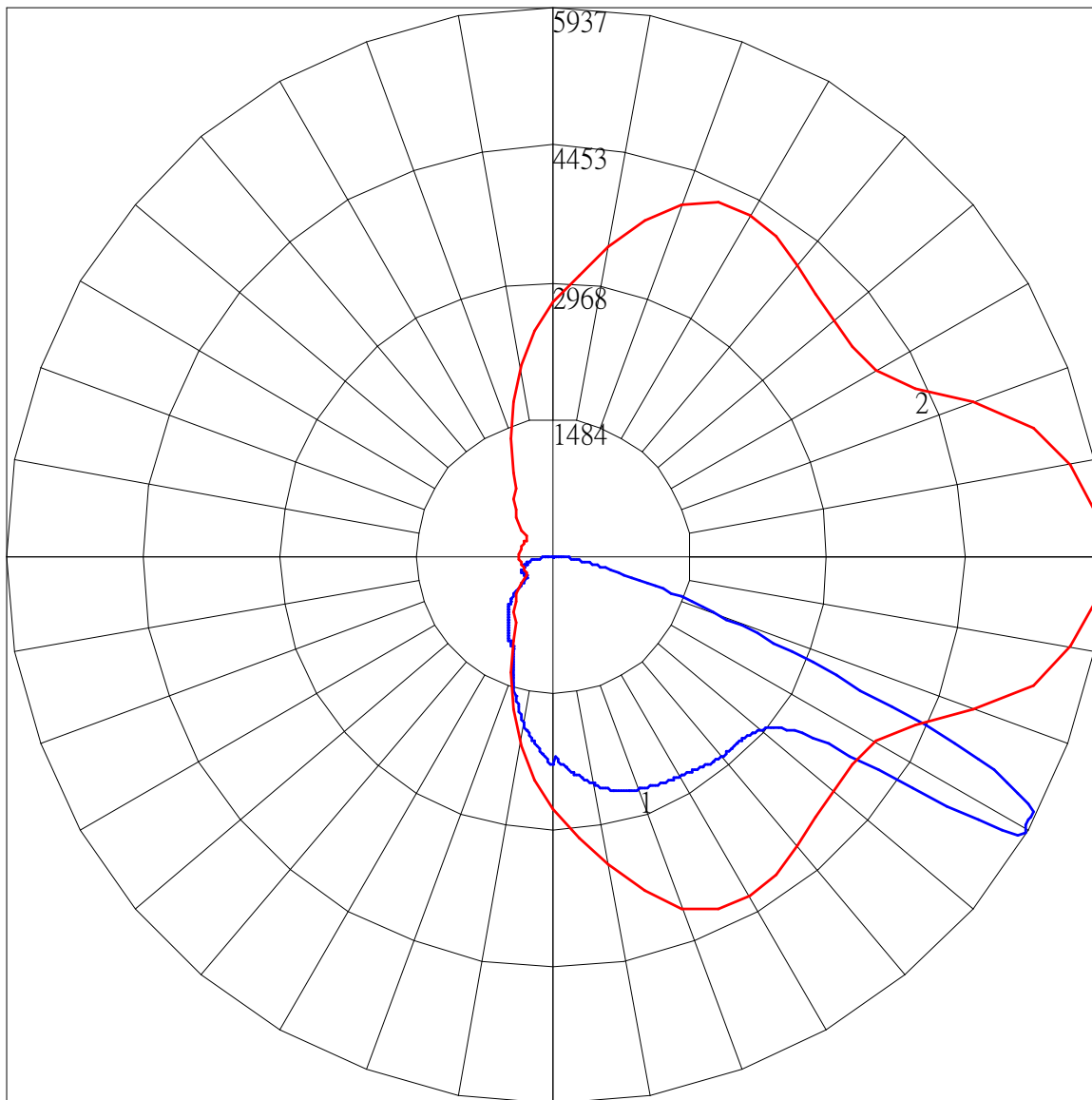
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

|                      | Lumens  | Percent<br>Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 8263.9  | 75.2                    |
| Downward House Side  | 2719.1  | 24.8                    |
| Downward Total       | 10983.0 | 100.0                   |
| Upward Street Side   | 0.0     | 0.0                     |
| Upward House Side    | 0.0     | 0.0                     |
| Upward Total         | 0.0     | 0.0                     |
| Total Flux           | 10983.0 | 100.0                   |

POLAR GRAPH

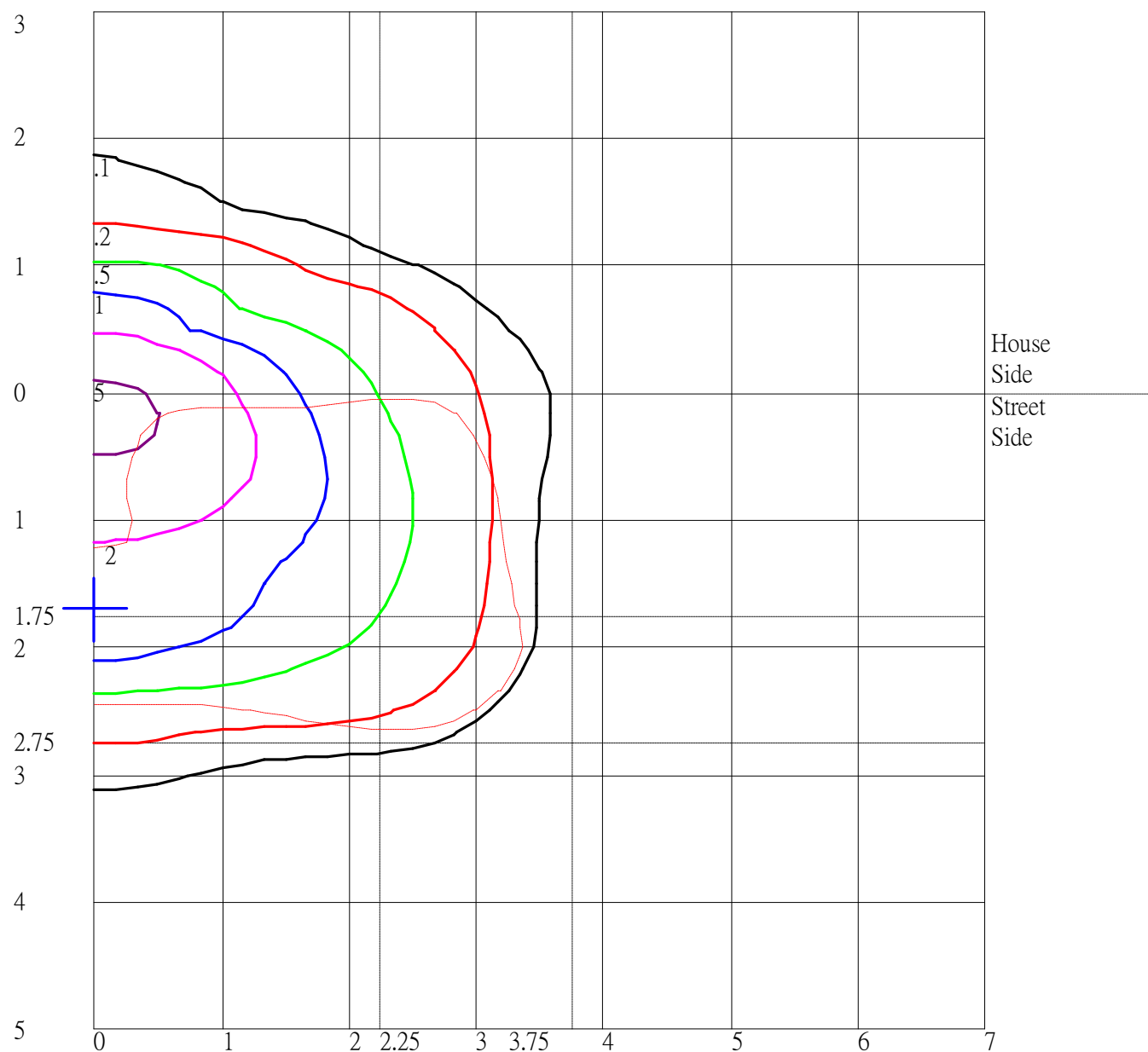


Maximum Candela = 5936.855 Located At Horizontal Angle = 0, Vertical Angle = 59.5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

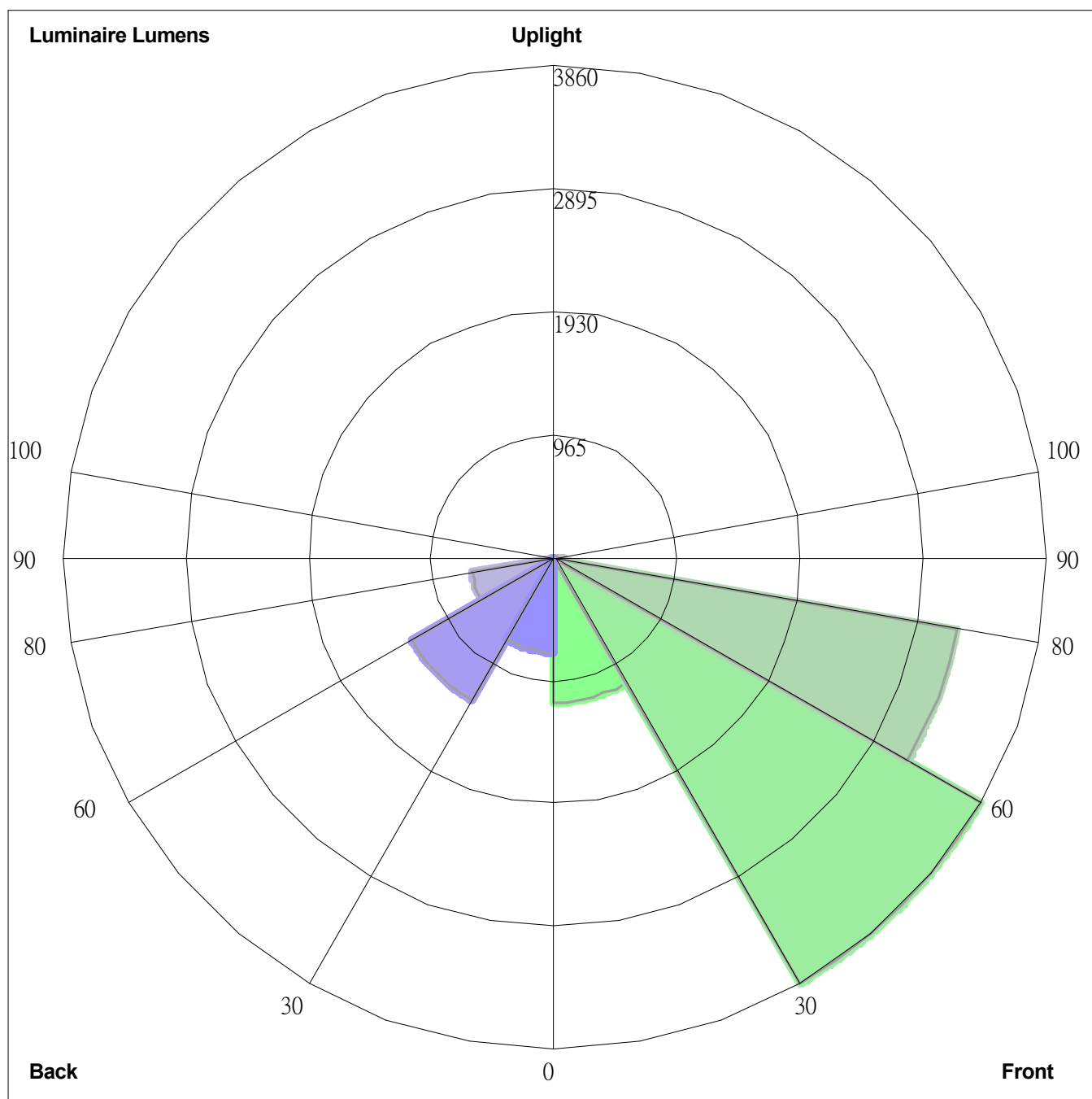
# 2 - Horizontal Cone Through Vertical Angle (59.5) (Through Max. Cd.)

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=1134.2, Medium= 3860.0, High=3203.1, Very High=66.6  
Back: Low=741.3, Medium=1289.7, High=656.6, Very High=31.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2