



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM1-60J-MV-27K-2R-XX-125 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCM1-60J-MV-30K-2R-XX-125  
 [ISSUEDATE] 2020-09-30  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCM1-60J-MV-27K-2R-XX-125

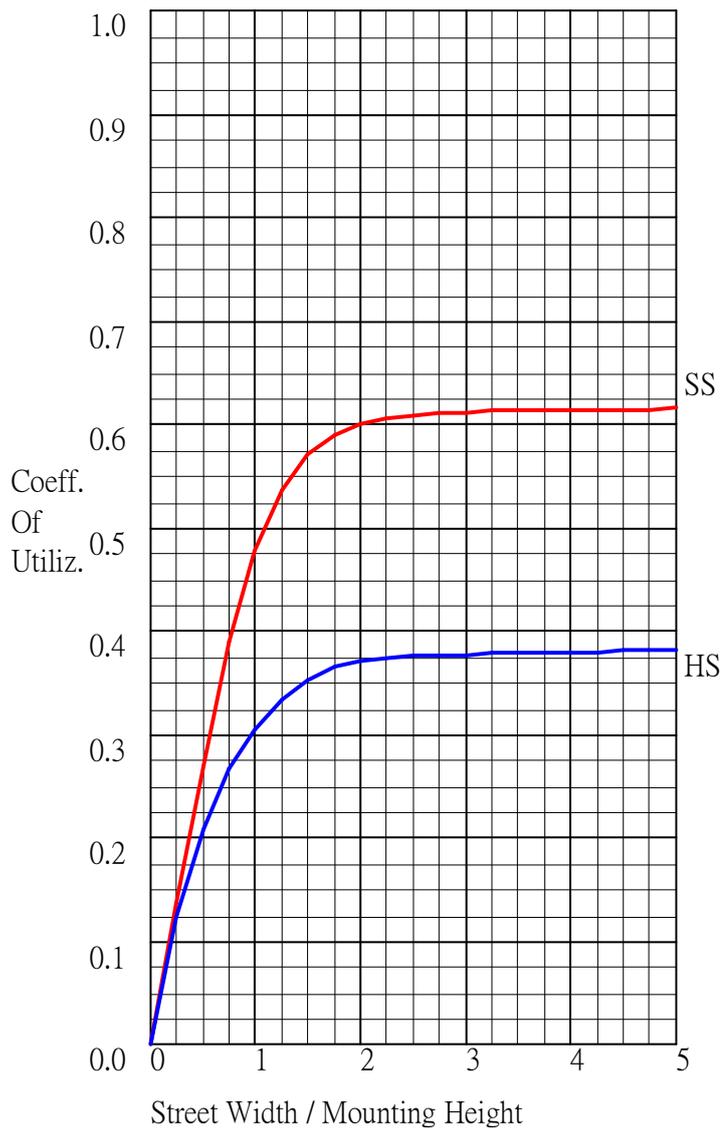
**CHARACTERISTICS**

|   |                                 |
|---|---------------------------------|
| IES Classification                              | Type II                         |
| Longitudinal Classification                     | Medium                          |
| Lumens Per Lamp                                 | N.A. (absolute)                 |
| Total Lamp Lumens                               | N.A. (absolute)                 |
| Luminaire Lumens                                | 12955                           |
| Downward Total Efficiency                       | N.A. (absolute)                 |
| Total Luminaire Efficiency                      | N.A. (absolute)                 |
| Luminaire Efficacy Rating (LER)                 | 152                             |
| Total Luminaire Watts                           | 85                              |
| Ballast Factor                                  | 1.00                            |
| Upward Waste Light Ratio                        | 0.00                            |
| Maximum Candela                                 | 7903.764                        |
| Maximum Candela Angle                           | 75H 74V                         |
| Maximum Candela (<90 Degrees Vertical)          | 7903.764                        |
| Maximum Candela At 90 Degrees Vertical)         | 75H 74V                         |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)       |
| Maximum Candela from 80 to <90 Degrees Vertical | 2880.9 (22.2% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                 |

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens         | % Lamp      | % Luminaire  |
|-------------------------------|----------------|-------------|--------------|
| FL - Front-Low (0-30)         | 1146.9         | N.A.        | 8.9          |
| FM - Front-Medium (30-60)     | 4286.6         | N.A.        | 33.1         |
| FH - Front-High (60-80)       | 2453.5         | N.A.        | 18.9         |
| FVH - Front-Very High (80-90) | 106.8          | N.A.        | 0.8          |
| BL - Back-Low (0-30)          | 1085.5         | N.A.        | 8.4          |
| BM - Back-Medium (30-60)      | 2632.8         | N.A.        | 20.3         |
| BH - Back-High (60-80)        | 1204.2         | N.A.        | 9.3          |
| BVH - Back-Very High (80-90)  | 38.7           | 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          |
| <b>Total</b>                  | <b>12955.0</b> | <b>N.A.</b> | <b>100.0</b> |
| BUG Rating                    | B3-U0-G3       |             |              |

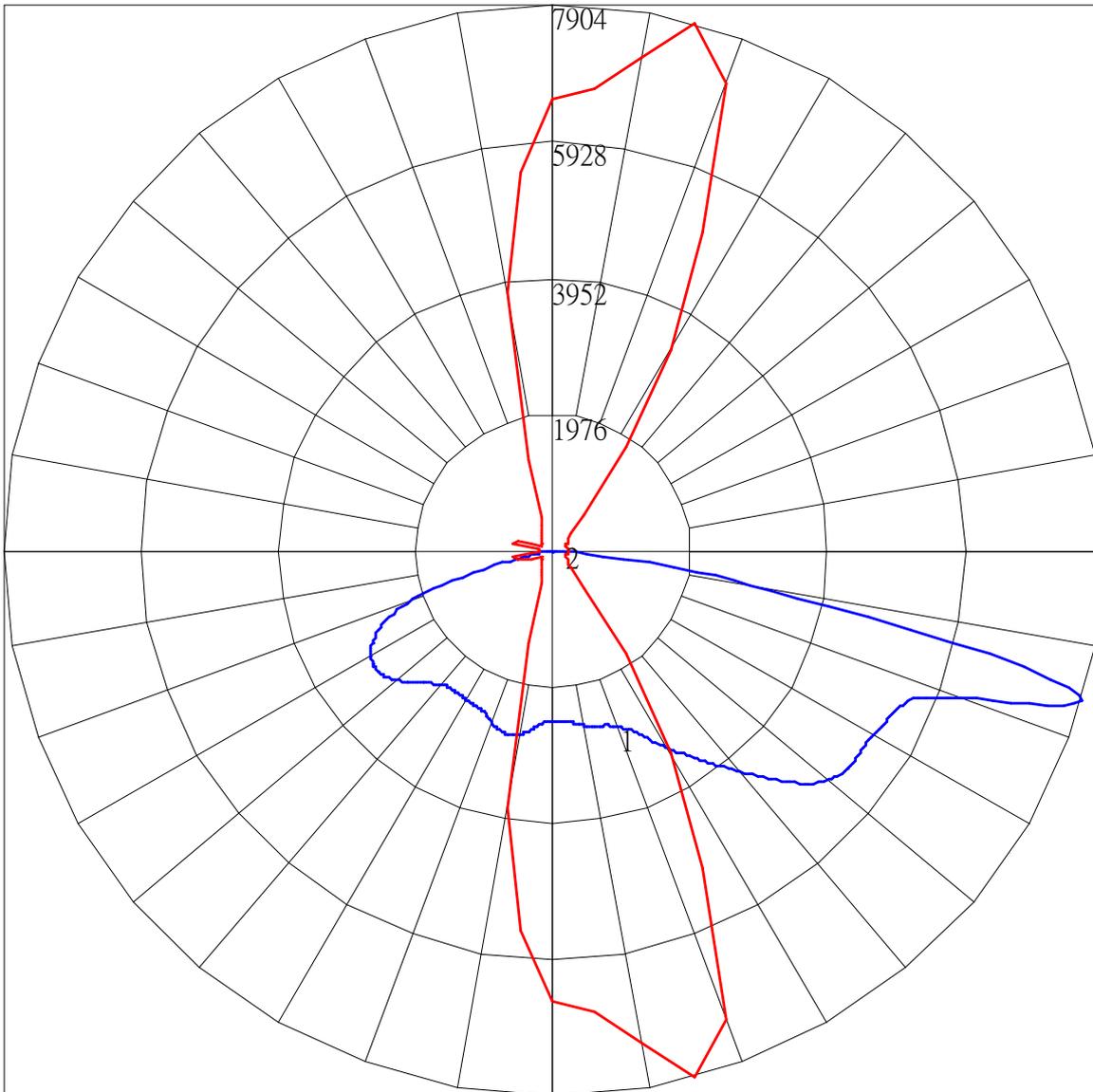
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

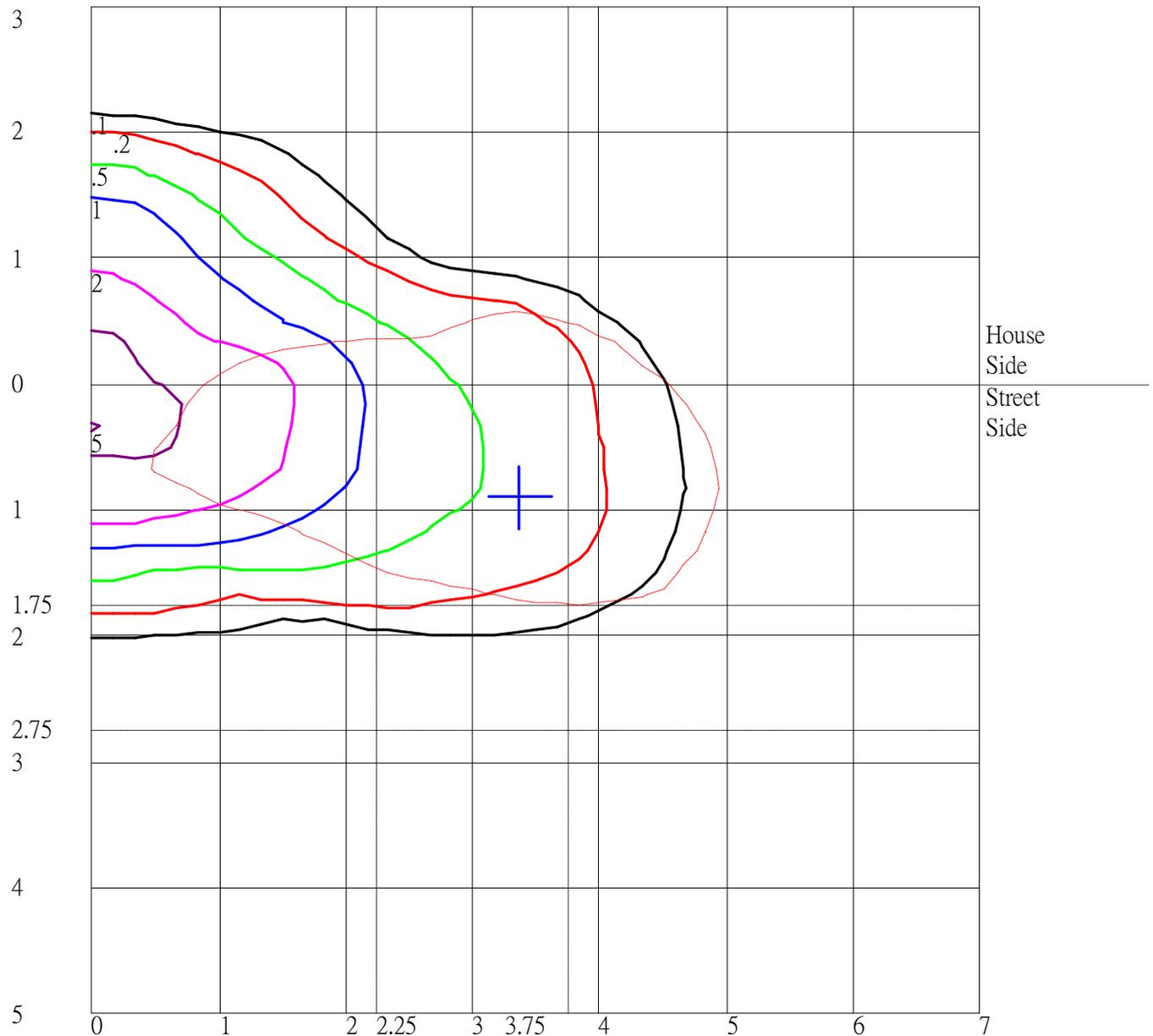
|                      | Lumens  | Percent Of Luminaire |
|----------------------|---------|----------------------|
| Downward Street Side | 7993.9  | 61.7                 |
| Downward House Side  | 4961.2  | 38.3                 |
| Downward Total       | 12955.1 | 100.0                |
| Upward Street Side   | 0.0     | 0.0                  |
| Upward House Side    | 0.0     | 0.0                  |
| Upward Total         | 0.0     | 0.0                  |
| Total Flux           | 12955.1 | 100.0                |

POLAR GRAPH



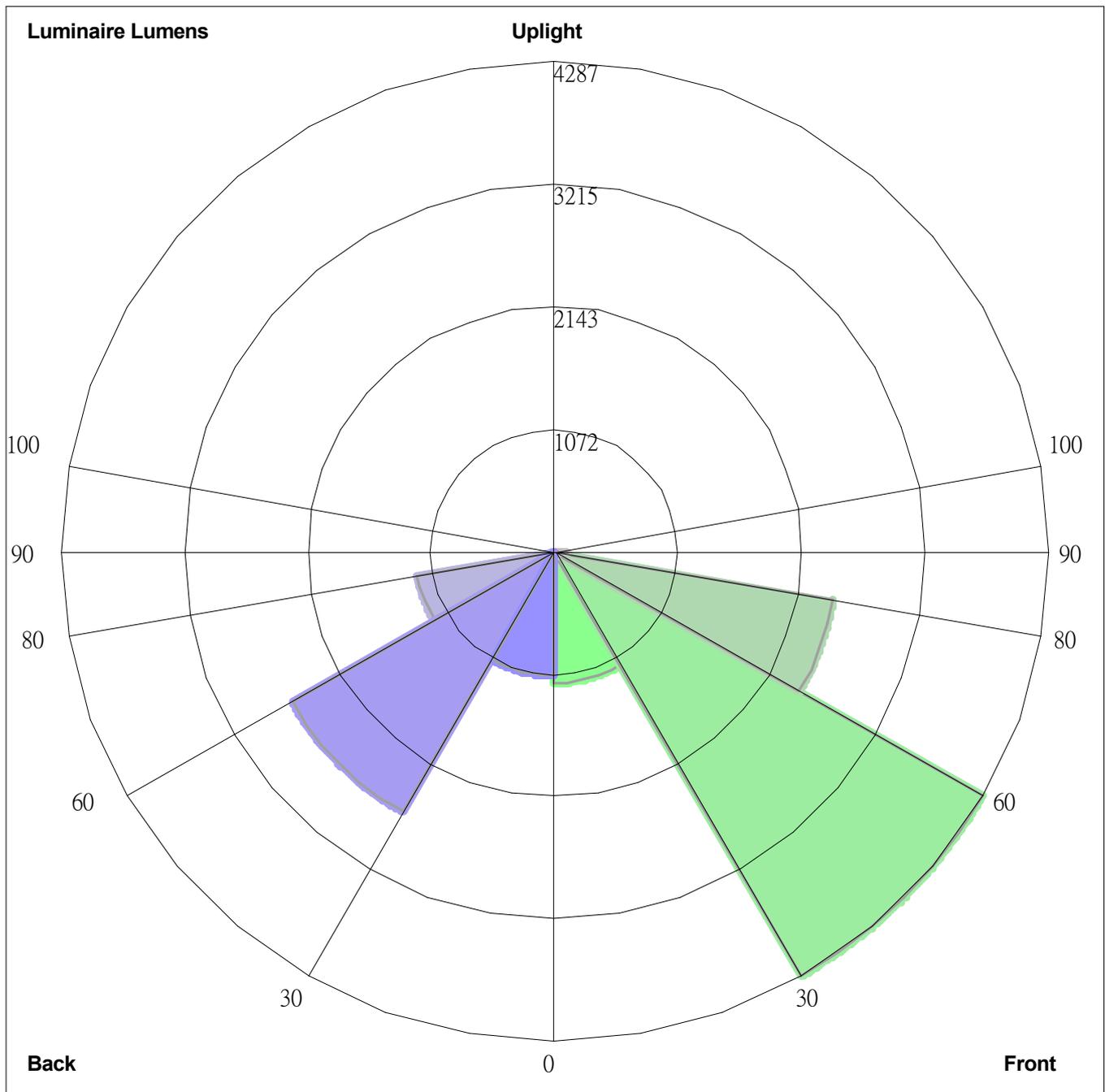
Maximum Candela = 7903.764 Located At Horizontal Angle = 75, Vertical Angle = 74  
# 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (74) (Through Max. Cd.)

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=1146.9, Medium=4286.6, High=2453.5, Very High=106.8  
 Back: Low=1085.5, Medium=2632.8, High=1204.2, Very High=38.7  
 Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3