



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-3F-XX-220 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-3F-XX-225  
[ISSUEDATE] 6/24/2019  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCL2-80J-MV-27K-3F-XX-225

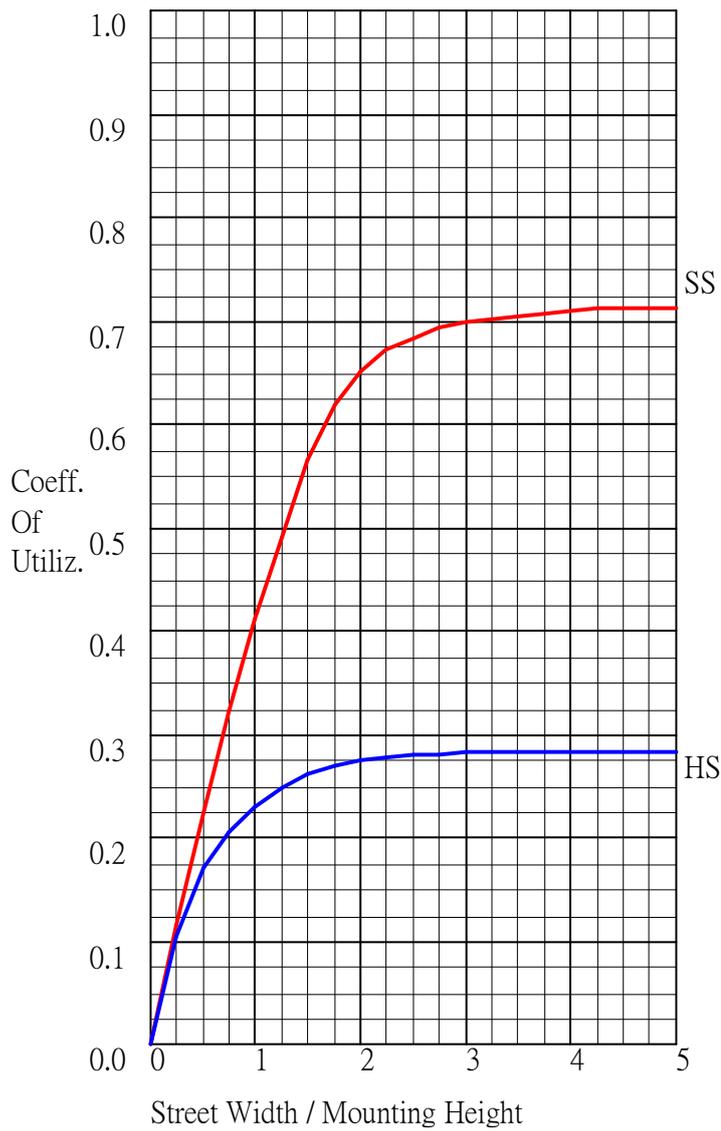
**CHARACTERISTICS**

|   |                                  |
|---|----------------------------------|
| IES Classification                              | Type III                         |
| Longitudinal Classification                     | Medium                           |
| Lumens Per Lamp                                 | N.A. (absolute)                  |
| Total Lamp Lumens                               | N.A. (absolute)                  |
| Luminaire Lumens                                | 22370                            |
| Downward Total Efficiency                       | N.A. (absolute)                  |
| Total Luminaire Efficiency                      | N.A. (absolute)                  |
| Luminaire Efficacy Rating (LER)                 | 139                              |
| Total Luminaire Watts                           | 161                              |
| Ballast Factor                                  | 1.00                             |
| Upward Waste Light Ratio                        | 0.00                             |
| Maximum Candela                                 | 14759.219                        |
| Maximum Candela Angle                           | 60H 72.5V                        |
| Maximum Candela (<90 Degrees Vertical)          | 14759.219                        |
| Maximum Candela At 90 Degrees Vertical)         | 60H 72.5V                        |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)        |
| Maximum Candela from 80 to <90 Degrees Vertical | 1733.235 (7.7% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                  |

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 1860.9   | N.A.   | 8.3         |
| FM - Front-Medium (30-60)     | 7523.3   | N.A.   | 33.6        |
| FH - Front-High (60-80)       | 6535.2   | N.A.   | 29.2        |
| FVH - Front-Very High (80-90) | 85.6     | N.A.   | 0.4         |
| BL - Back-Low (0-30)          | 1691.7   | N.A.   | 7.6         |
| BM - Back-Medium (30-60)      | 3254.7   | N.A.   | 14.5        |
| BH - Back-High (60-80)        | 1397.9   | N.A.   | 6.2         |
| BVH - Back-Very High (80-90)  | 21.1     | N.A.   | 0.1         |
| UL - Uplight-Low (90-100)     | 0.0      | N.A.   | 0.0         |
| UH - Uplight-High (100-180)   | 0.0      | N.A.   | 0.0         |
| Total                         | 22370.4  | N.A.   | 100.0       |
| BUG Rating                    | B3-U0-G3 |        |             |

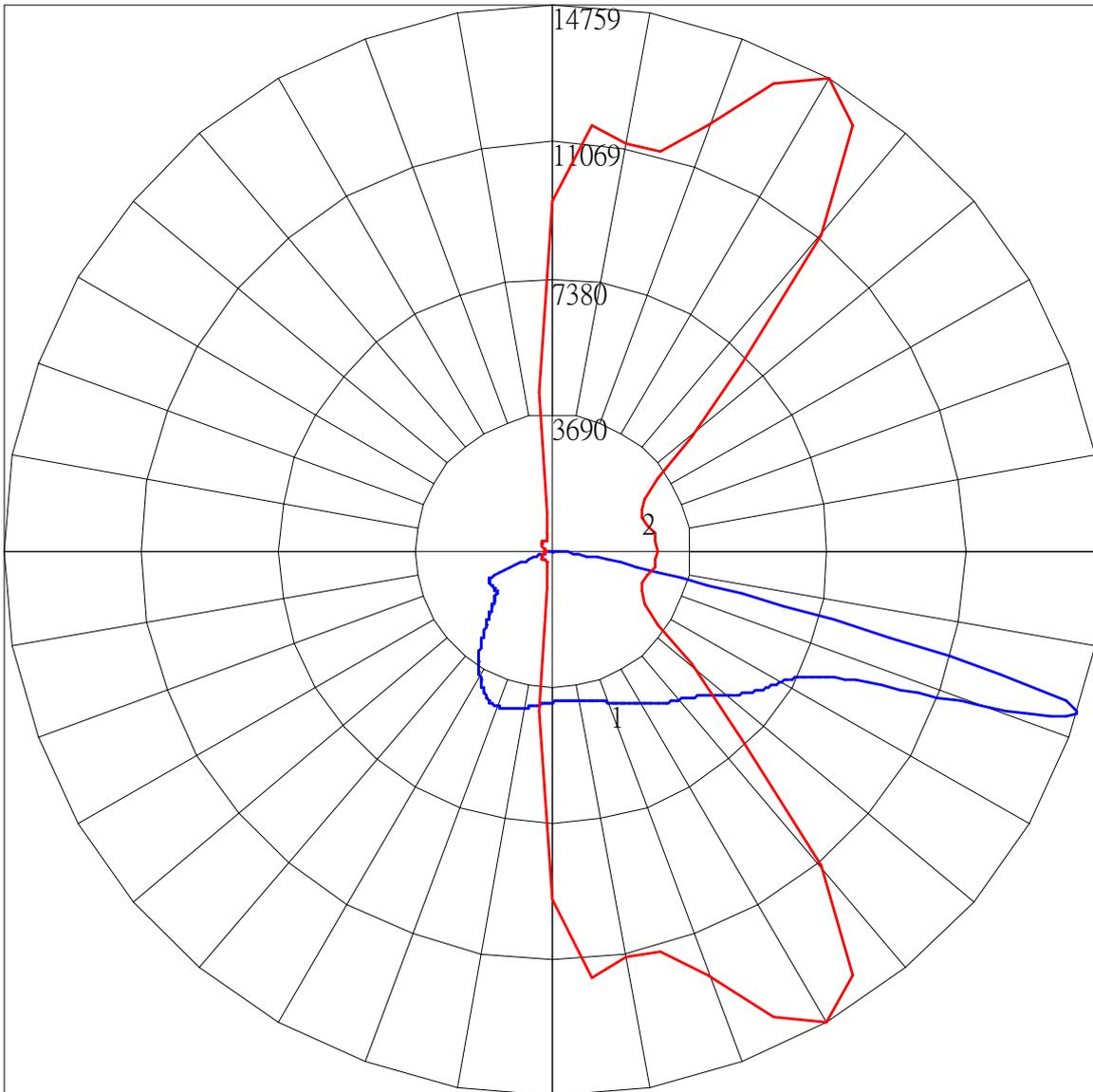
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

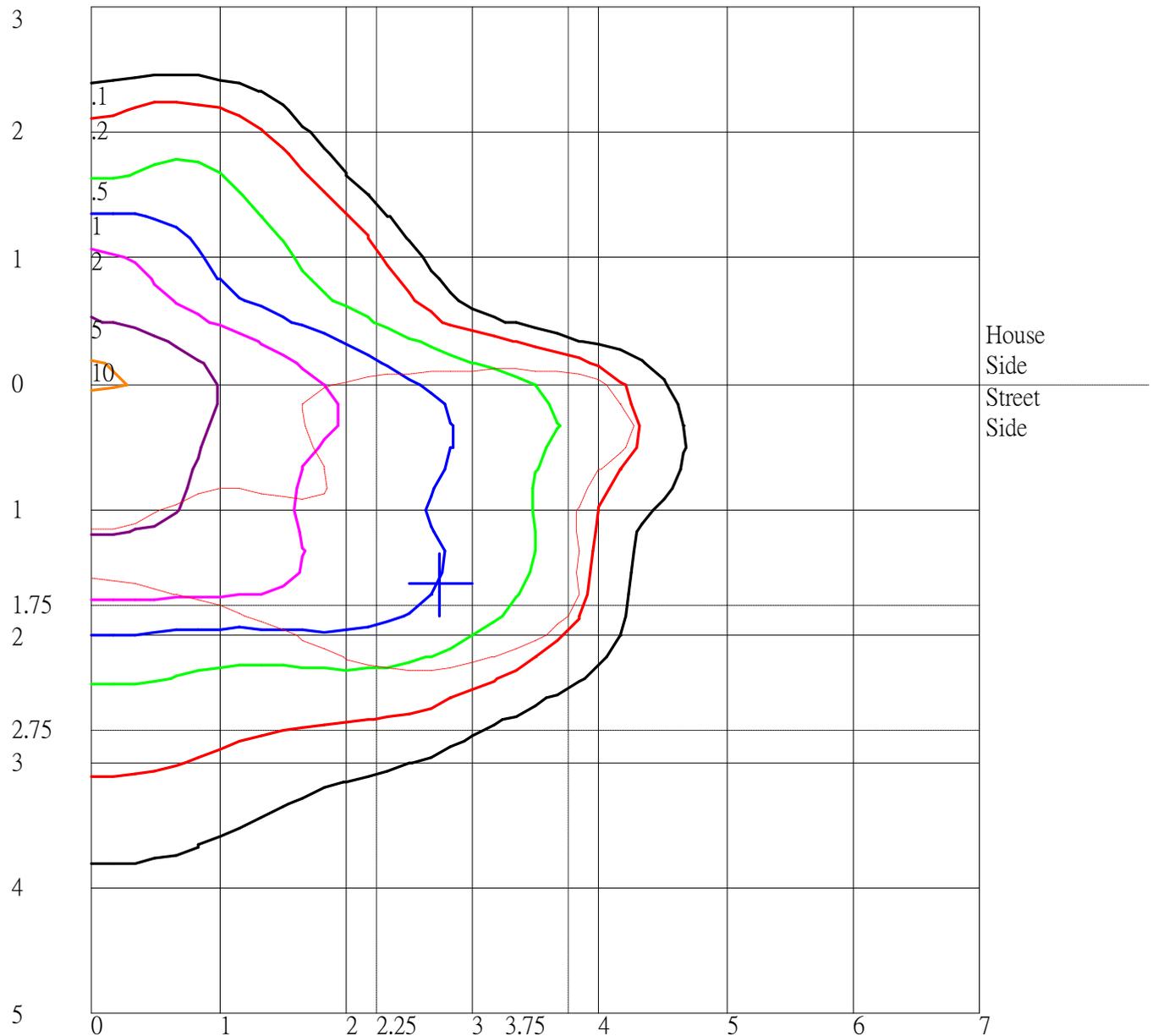
|                      | Lumens         | Percent Of Luminaire |
|----------------------|----------------|----------------------|
| Downward Street Side | 16004.9        | 71.5                 |
| Downward House Side  | 6365.4         | 28.5                 |
| Downward Total       | 22370.3        | 100.0                |
| Upward Street Side   | 0.0            | 0.0                  |
| Upward House Side    | 0.0            | 0.0                  |
| Upward Total         | 0.0            | 0.0                  |
| <b>Total Flux</b>    | <b>22370.3</b> | <b>100.0</b>         |

POLAR GRAPH



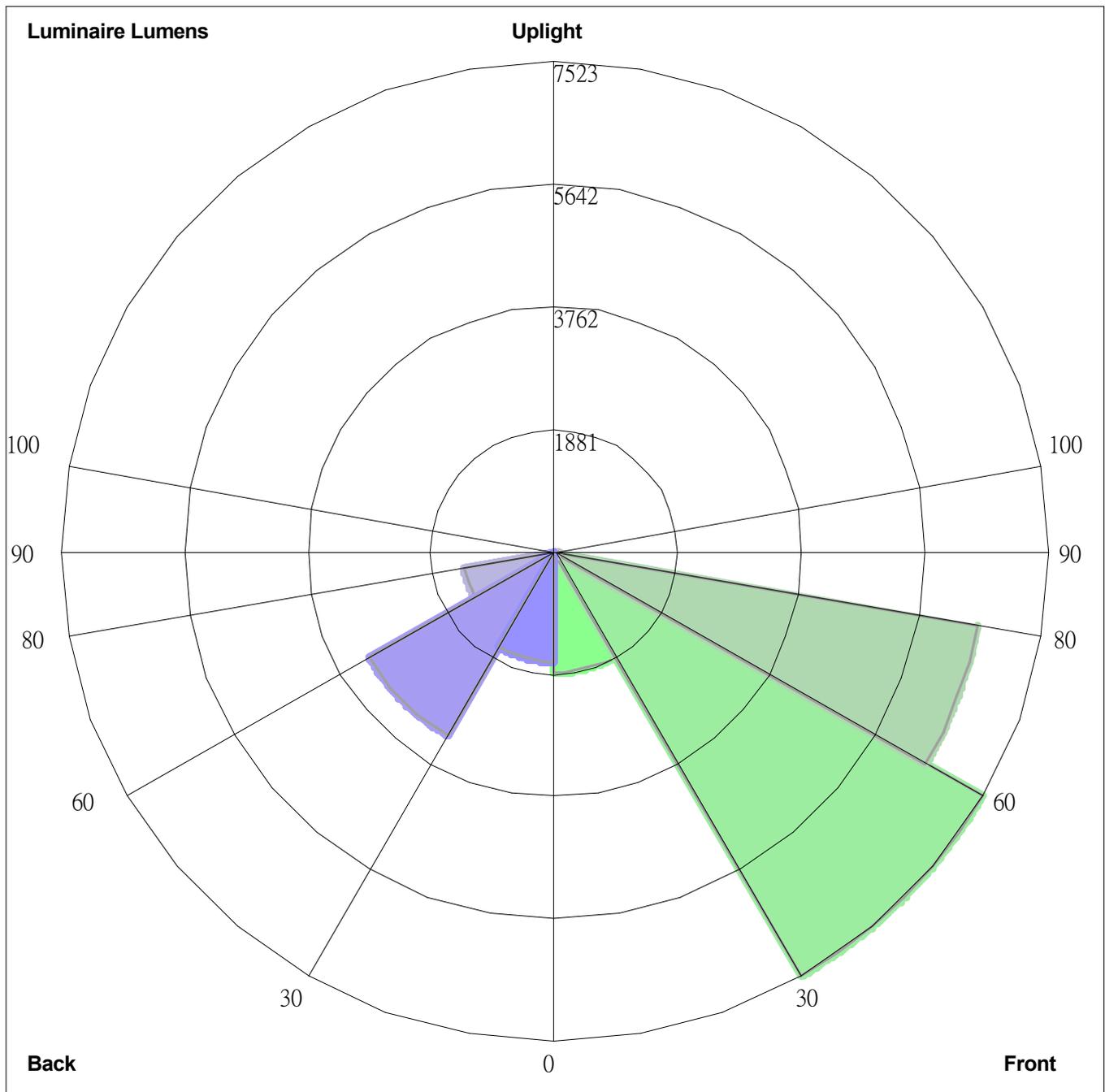
Maximum Candela = 14759.219 Located At Horizontal Angle = 60, Vertical Angle = 72.5  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=1860.9, Medium=7523.3, High=6535.2, Very High=85.6  
Back: Low=1691.7, Medium=3254.7, High=1397.9, Very High=21.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3