



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-2S-XX-240 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-2S-XX-275

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-2S-XX-250

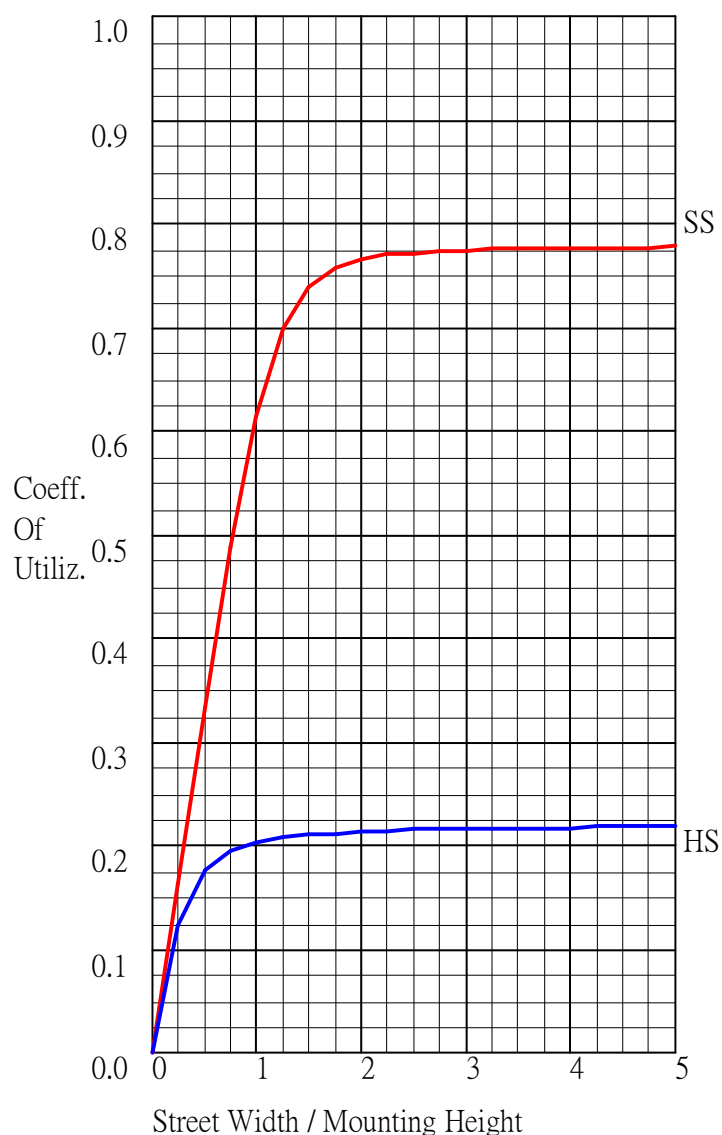
### CHARACTERISTICS

|   |                                   |
|---|-----------------------------------|
| IES Classification                              | Type II                           |
| Longitudinal Classification                     | Short                             |
| Lumens Per Lamp                                 | N.A. (absolute)                   |
| Total Lamp Lumens                               | N.A. (absolute)                   |
| Luminaire Lumens                                | 23652                             |
| Downward Total Efficiency                       | N.A. (absolute)                   |
| Total Luminaire Efficiency                      | N.A. (absolute)                   |
| Luminaire Efficacy Rating (LER)                 | 129                               |
| Total Luminaire Watts                           | 183                               |
| Ballast Factor                                  | 1.00                              |
| Upward Waste Light Ratio                        | 0.00                              |
| Maximum Candela                                 | 15774.646                         |
| Maximum Candela Angle                           | 55H 57.5V                         |
| Maximum Candela (<90 Degrees Vertical)          | 15774.646                         |
| Maximum Candela Angle (<90 Degrees Vertical)    | 55H 57.5V                         |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Luminaire Lumens)         |
| Maximum Candela from 80 to <90 Degrees Vertical | 2651.285 (11.2% Luminaire Lumens) |
| Cutoff Classification (deprecated)              | N.A. (absolute)                   |

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 3494.3   | N.A.   | 14.8        |
| FM - Front-Medium (30-60)     | 10263.7  | N.A.   | 43.4        |
| FH - Front-High (60-80)       | 4587.3   | N.A.   | 19.4        |
| FVH - Front-Very High (80-90) | 111.2    | N.A.   | 0.5         |
| BL - Back-Low (0-30)          | 2145.9   | N.A.   | 9.1         |
| BM - Back-Medium (30-60)      | 2000.5   | N.A.   | 8.5         |
| BH - Back-High (60-80)        | 1014.2   | N.A.   | 4.3         |
| BVH - Back-Very High (80-90)  | 34.6     | 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                         | 23651.7  | N.A.   | 100.0       |
| BUG Rating                    | B3-U0-G3 |        |             |

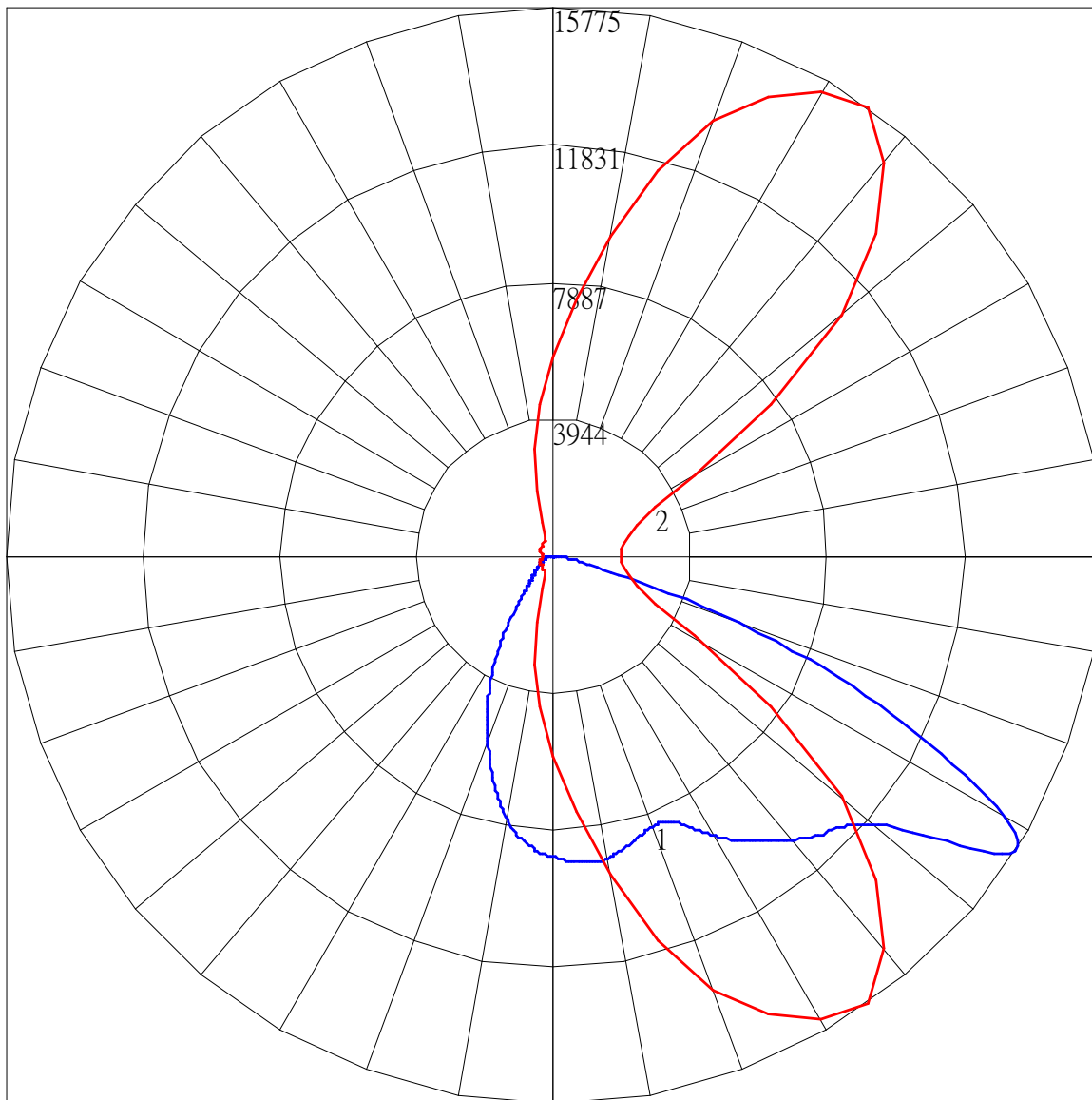
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

|                      | Lumens  | Percent<br>Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 18456.5 | 78.0                    |
| Downward House Side  | 5195.1  | 22.0                    |
| Downward Total       | 23651.6 | 100.0                   |
| Upward Street Side   | 0.0     | 0.0                     |
| Upward House Side    | 0.0     | 0.0                     |
| Upward Total         | 0.0     | 0.0                     |
| Total Flux           | 23651.6 | 100.0                   |

POLAR GRAPH

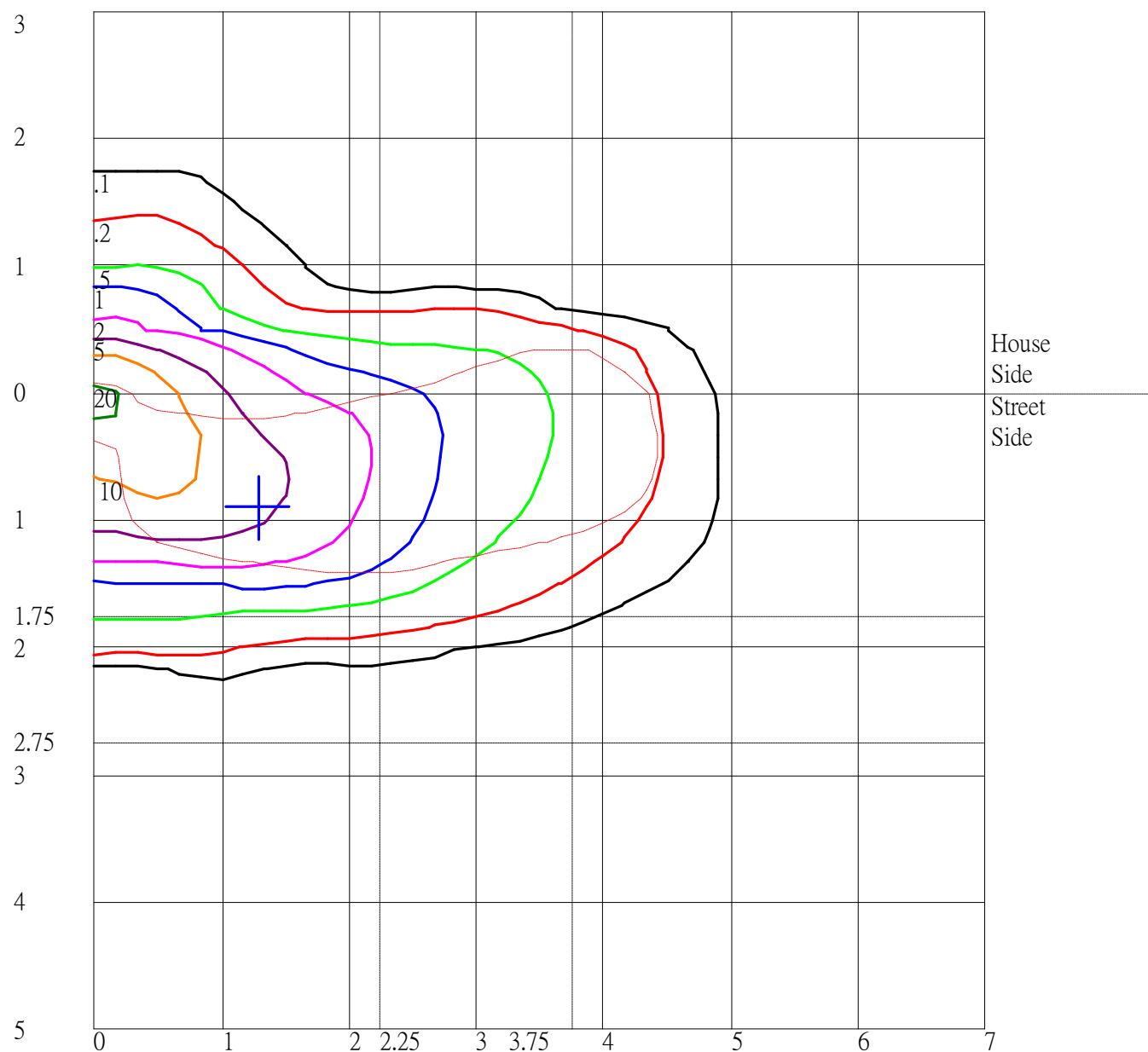


Maximum Candela = 15774.646 Located At Horizontal Angle = 55, Vertical Angle = 57.5

# 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)

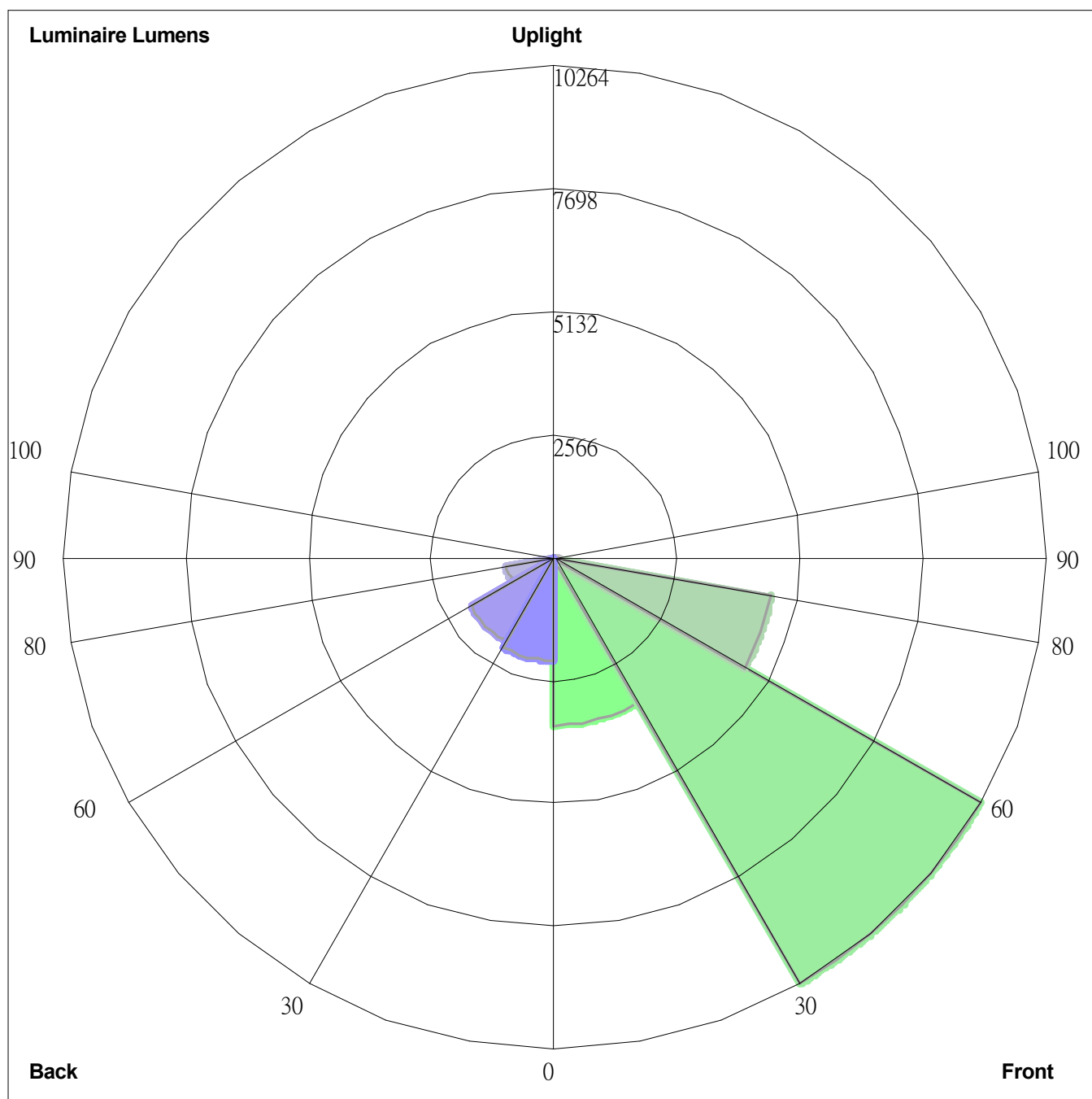
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

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=3494.3, Medium=10263.7, High=4587.3, Very High=111.2  
Back: Low=2145.9, Medium=2000.5, High=1014.2, Very High=34.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3