



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-2R-XX-205 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-2R-XX-240

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-2R-XX-205

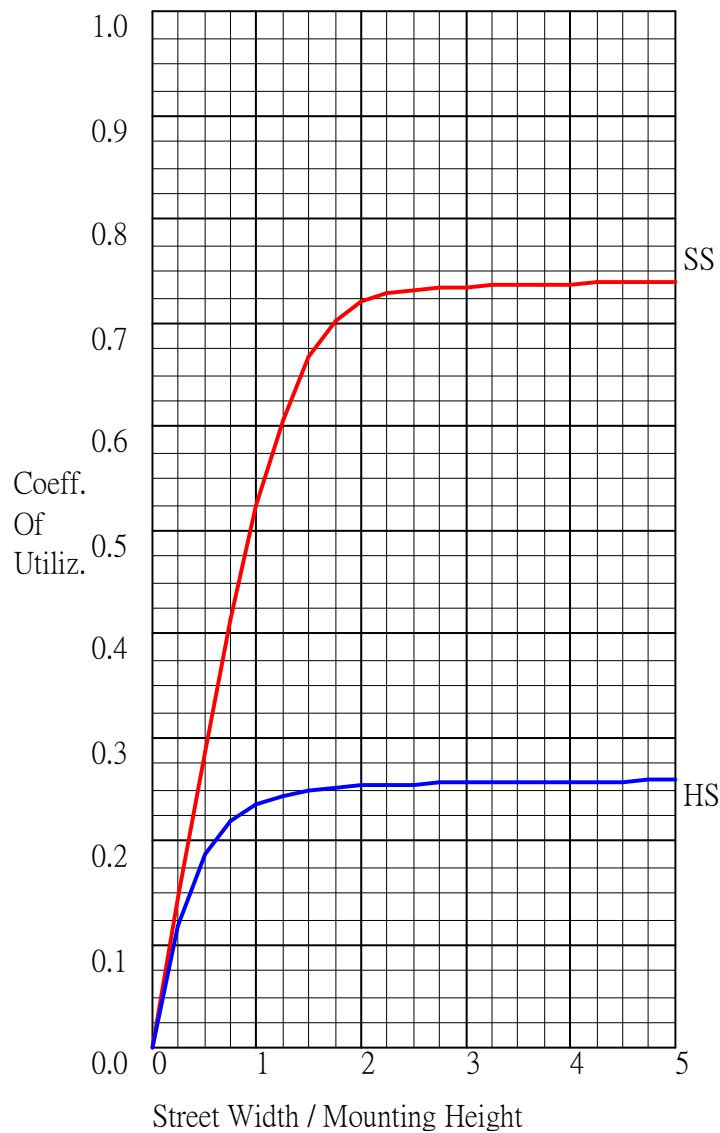
CHARACTERISTICS

| | |
|---|-----------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Medium |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 20137 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 138 |
| Total Luminaire Watts | 146 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 12632.118 |
| Maximum Candela Angle | 75H 72.5V |
| Maximum Candela (<90 Degrees Vertical) | 12632.118 |
| Maximum Candela Angle (<90 Degrees Vertical) | 75H 72.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 3265.775 (16.2% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2208.6 | N.A. | 11.0 |
| FM - Front-Medium (30-60) | 8011.9 | N.A. | 39.8 |
| FH - Front-High (60-80) | 4559.3 | N.A. | 22.6 |
| FVH - Front-Very High (80-90) | 136.2 | N.A. | 0.7 |
| BL - Back-Low (0-30) | 1453.1 | N.A. | 7.2 |
| BM - Back-Medium (30-60) | 2389.4 | N.A. | 11.9 |
| BH - Back-High (60-80) | 1326.2 | N.A. | 6.6 |
| BVH - Back-Very High (80-90) | 52.4 | 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 | 20137.1 | N.A. | 100.0 |
| BUG Rating | B3-U0-G3 | | |

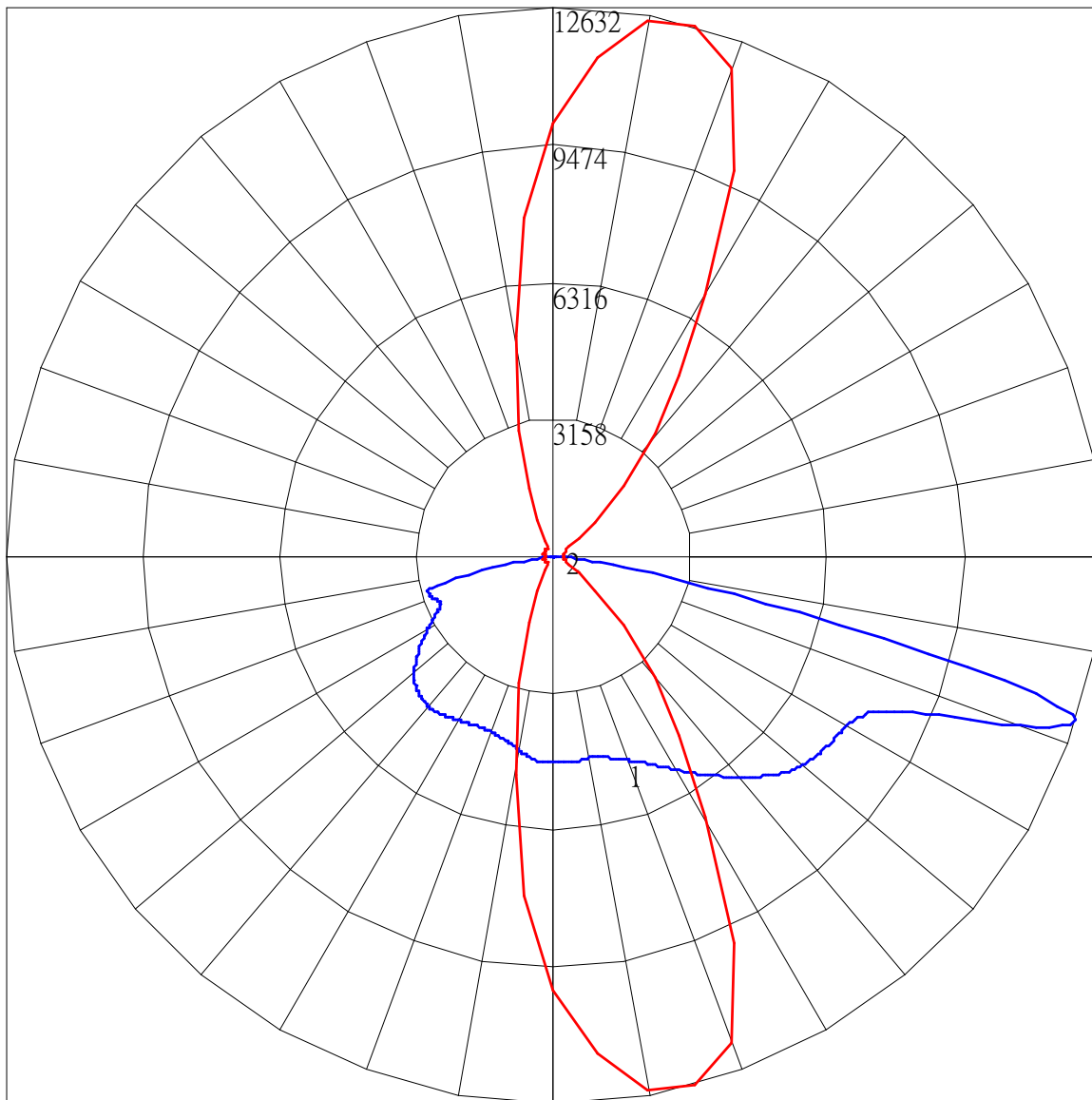
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

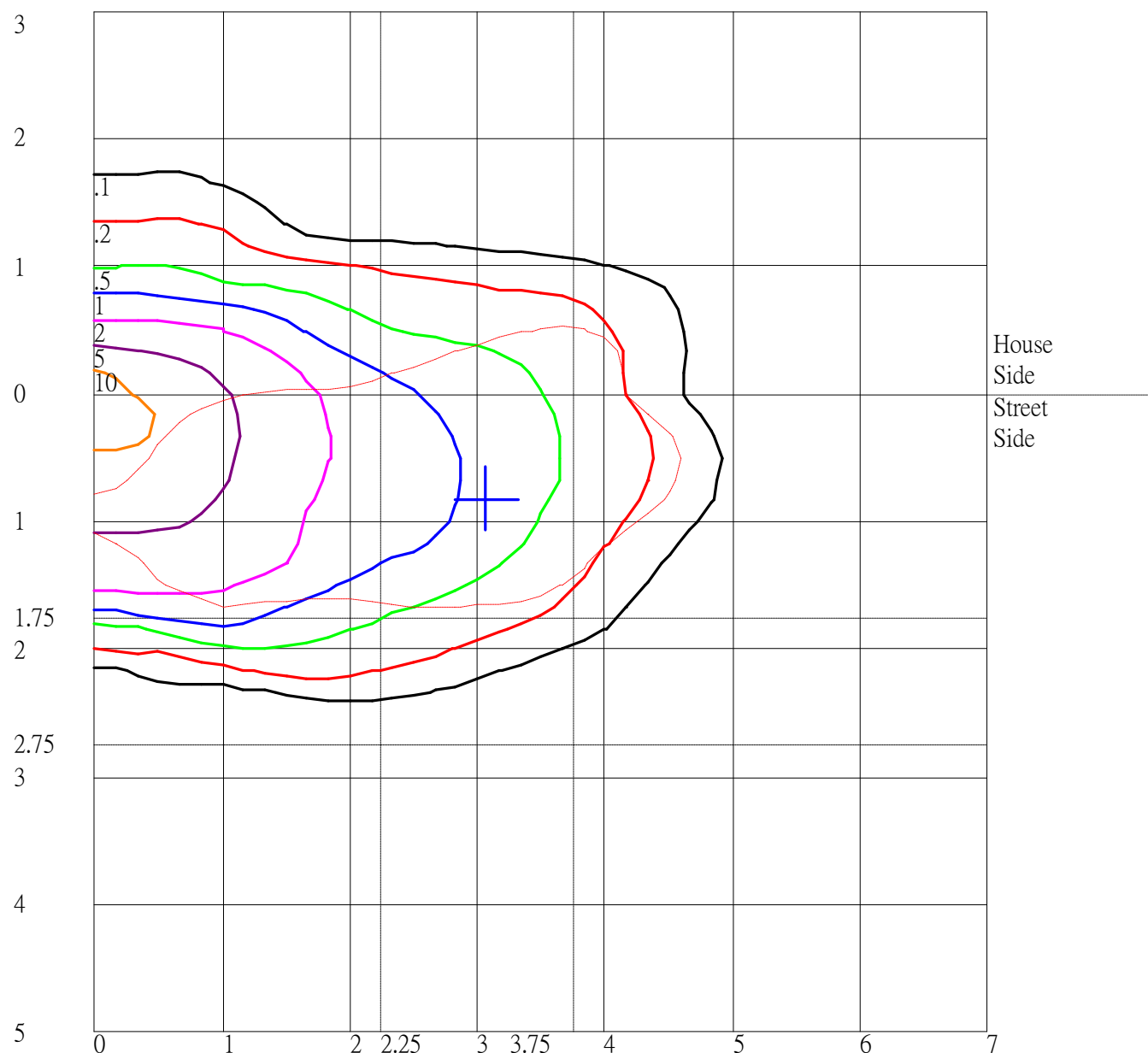
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 14916.0 | 74.1 |
| Downward House Side | 5221.1 | 25.9 |
| Downward Total | 20137.1 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 20137.1 | 100.0 |

POLAR GRAPH

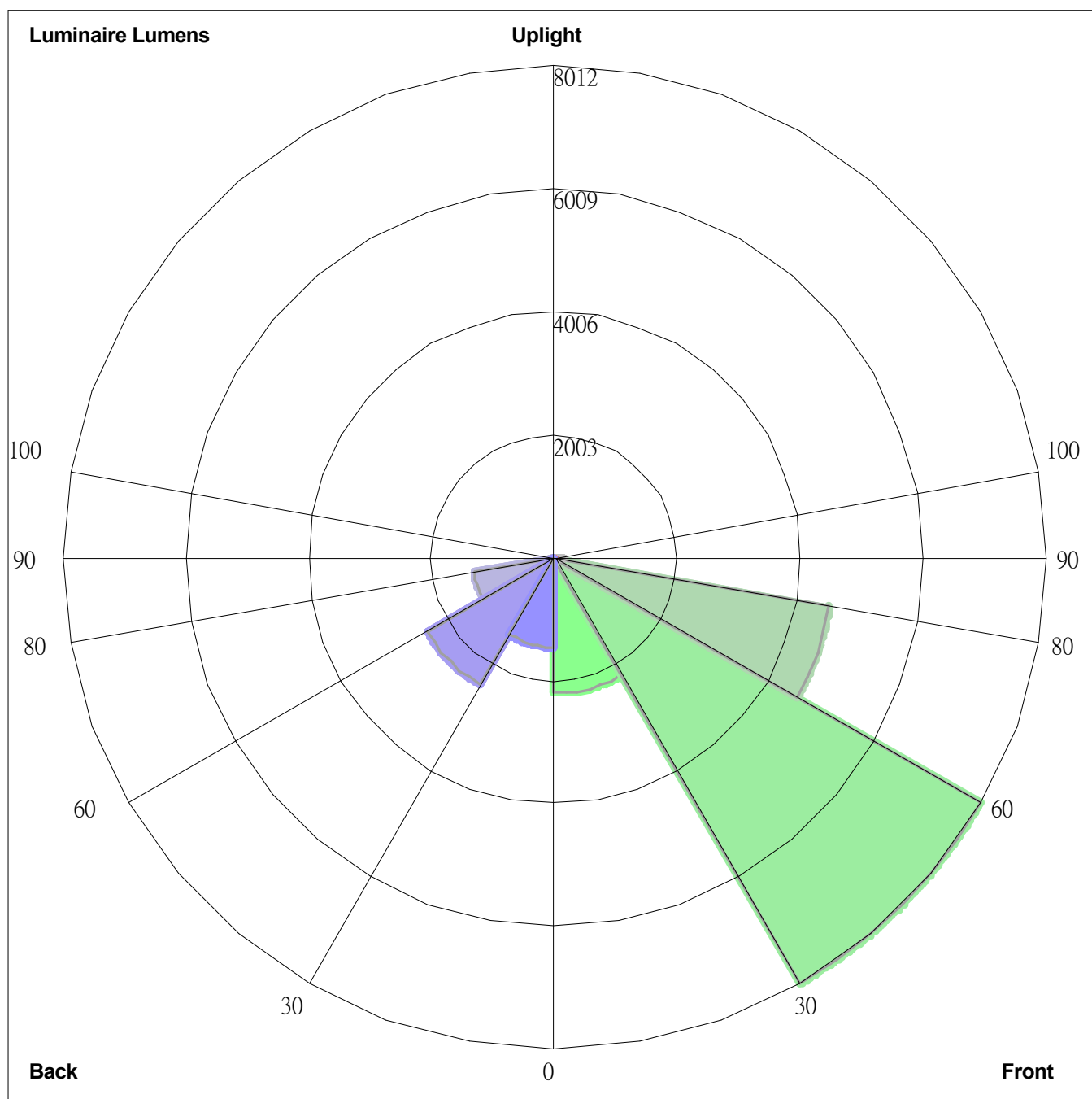


Maximum Candela = 12632.118 Located At Horizontal Angle = 75, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2208.6, Medium=8011.9, High=4559.3, Very High=136.2
Back: Low=1453.1, Medium=2389.4, High=1326.2, Very High=52.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3