



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-2R-XX-250 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-2R-XX-260

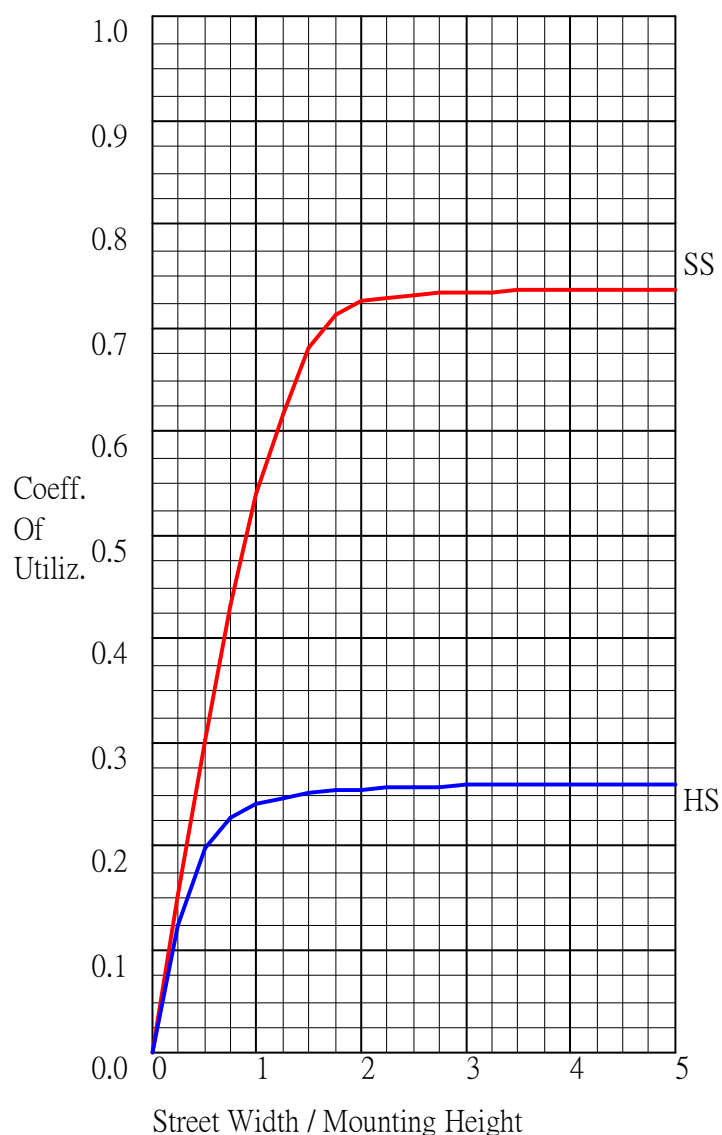
CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Medium |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 25130 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 130 |
| Total Luminaire Watts | 193 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 19314.183 |
| Maximum Candela Angle | 80H 72.5V |
| Maximum Candela (<90 Degrees Vertical) | 19314.183 |
| Maximum Candela Angle (<90 Degrees Vertical) | 80H 72.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 5894.2 (23.5% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2796.6 | N.A. | 11.1 |
| FM - Front-Medium (30-60) | 9913.7 | N.A. | 39.4 |
| FH - Front-High (60-80) | 5676.1 | N.A. | 22.6 |
| FVH - Front-Very High (80-90) | 186.3 | N.A. | 0.7 |
| BL - Back-Low (0-30) | 1882.7 | N.A. | 7.5 |
| BM - Back-Medium (30-60) | 3044.2 | N.A. | 12.1 |
| BH - Back-High (60-80) | 1558.9 | N.A. | 6.2 |
| BVH - Back-Very High (80-90) | 71.7 | 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 |
| Total | 25130.2 | N.A. | 100.0 |
| BUG Rating | B3-U0-G3 | | |

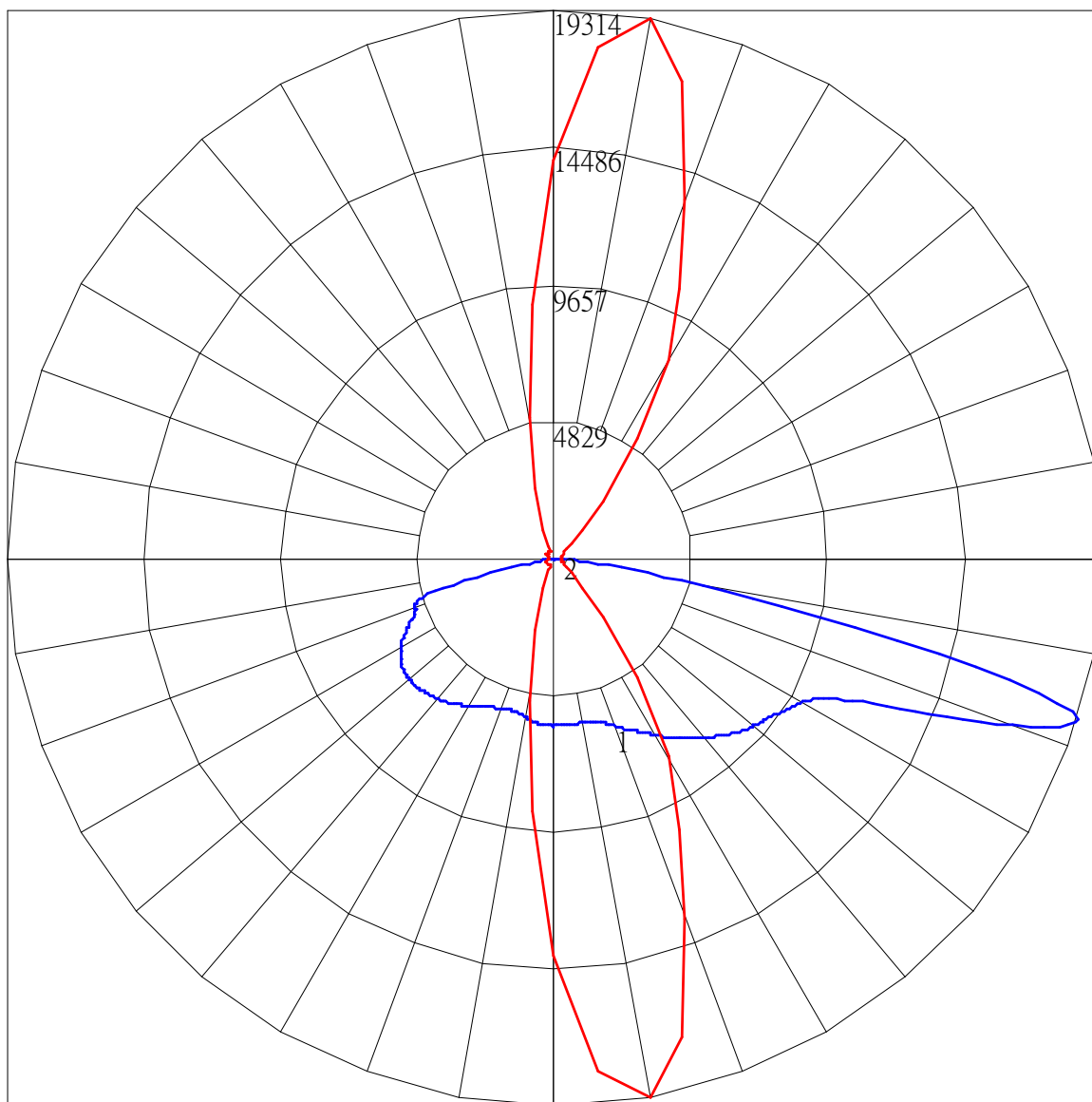
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 18572.7 | 73.9 |
| Downward House Side | 6557.5 | 26.1 |
| Downward Total | 25130.2 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 25130.2 | 100.0 |

POLAR GRAPH

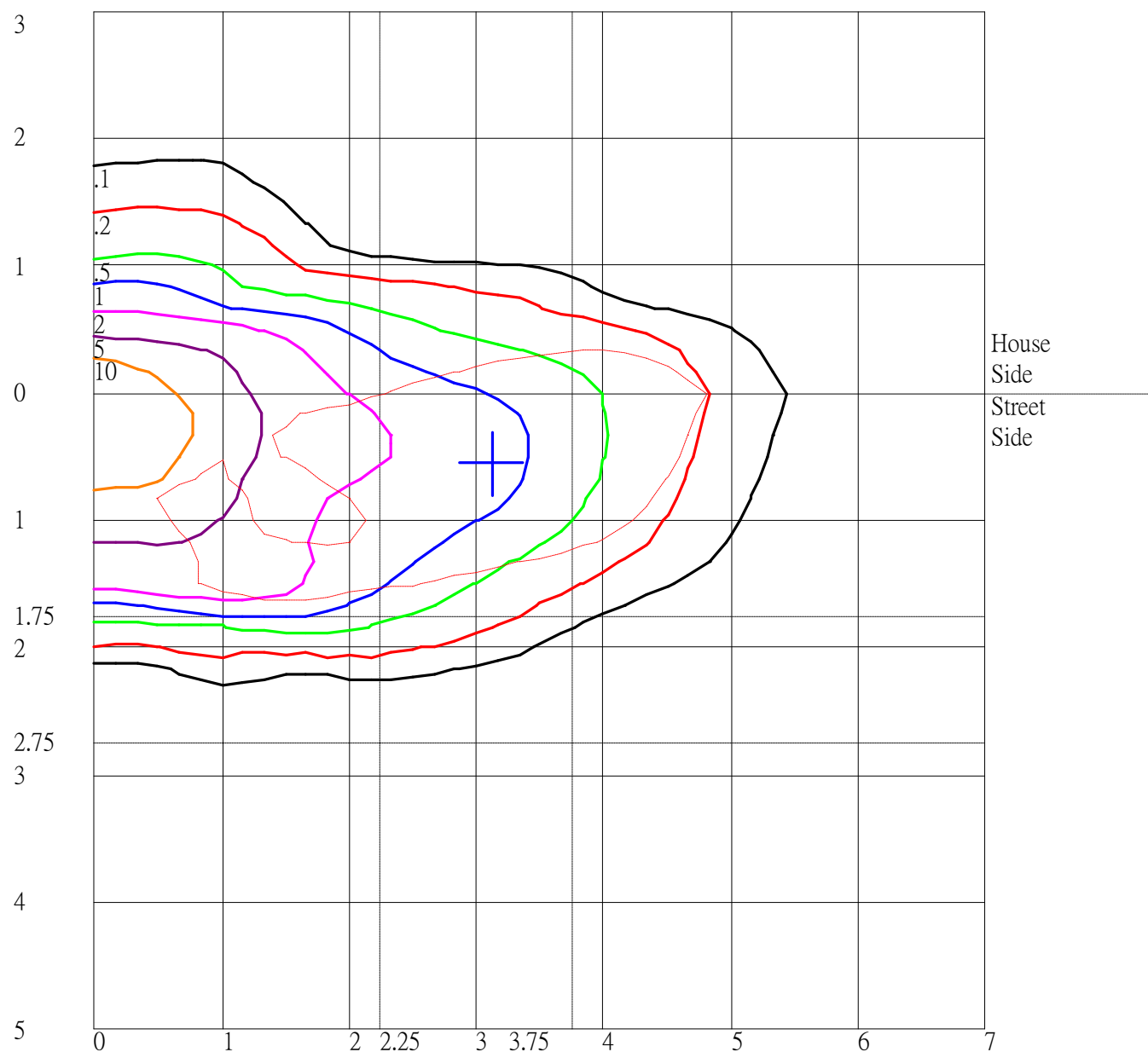


Maximum Candela = 19314.183 Located At Horizontal Angle = 80, Vertical Angle = 72.5

1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)

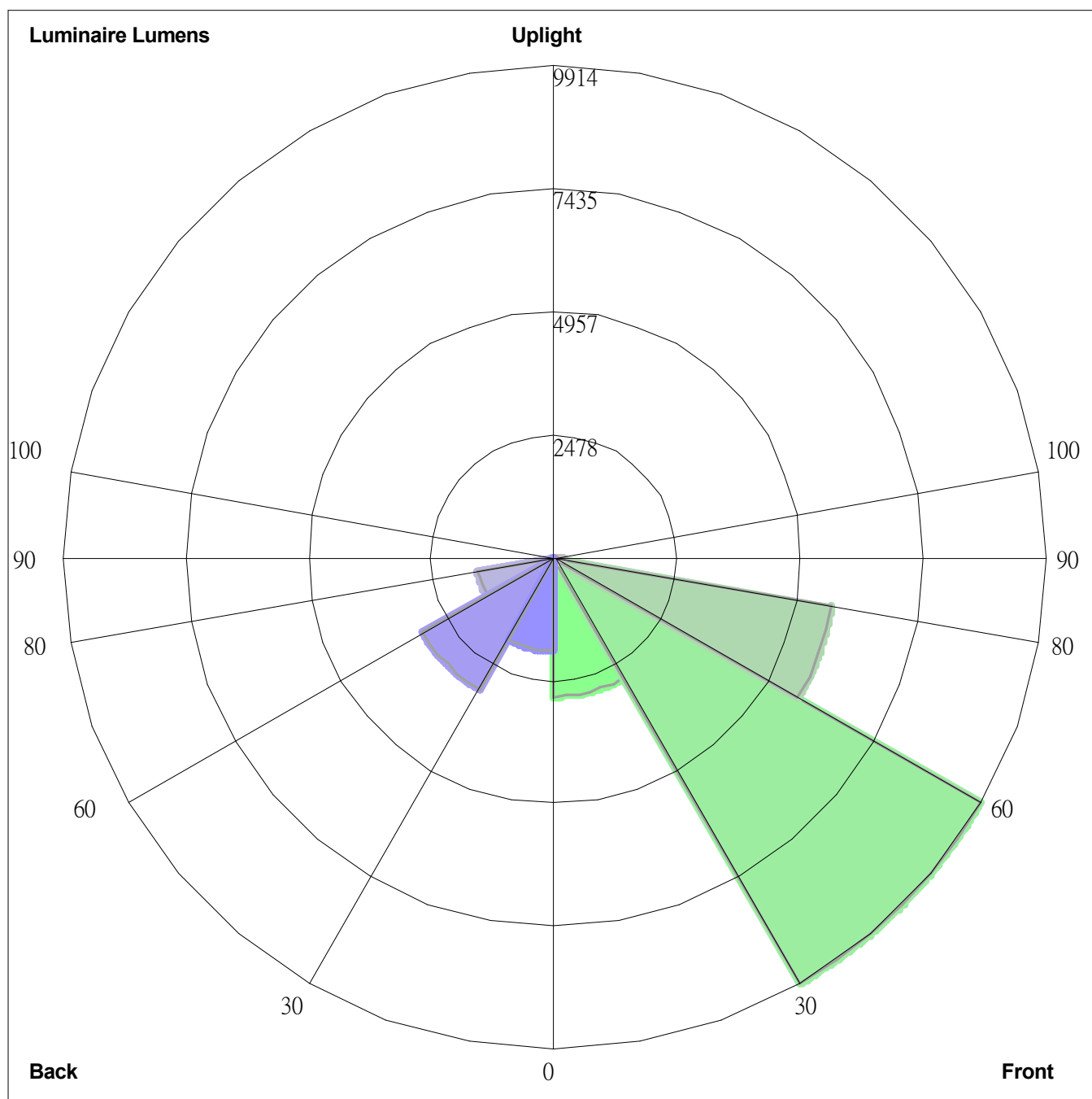
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=2796.6, Medium=9913.7, High=5676.1, Very High=186.3
Back: Low=1882.7, Medium=3044.2, High=1558.9, Very High=71.7
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3