



IES ROAD REPORT
PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-3R-XX-270 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Scaled from NVLAP LM-79 for GCL-80J-MV-30K-3R-XX-285
 [ISSUE DATE] 12/16/2022
 [MANUFAC] Leotek Electronics USA LLC
 [LUMCAT] GCL-80J-MV-27K-3R-XX-270

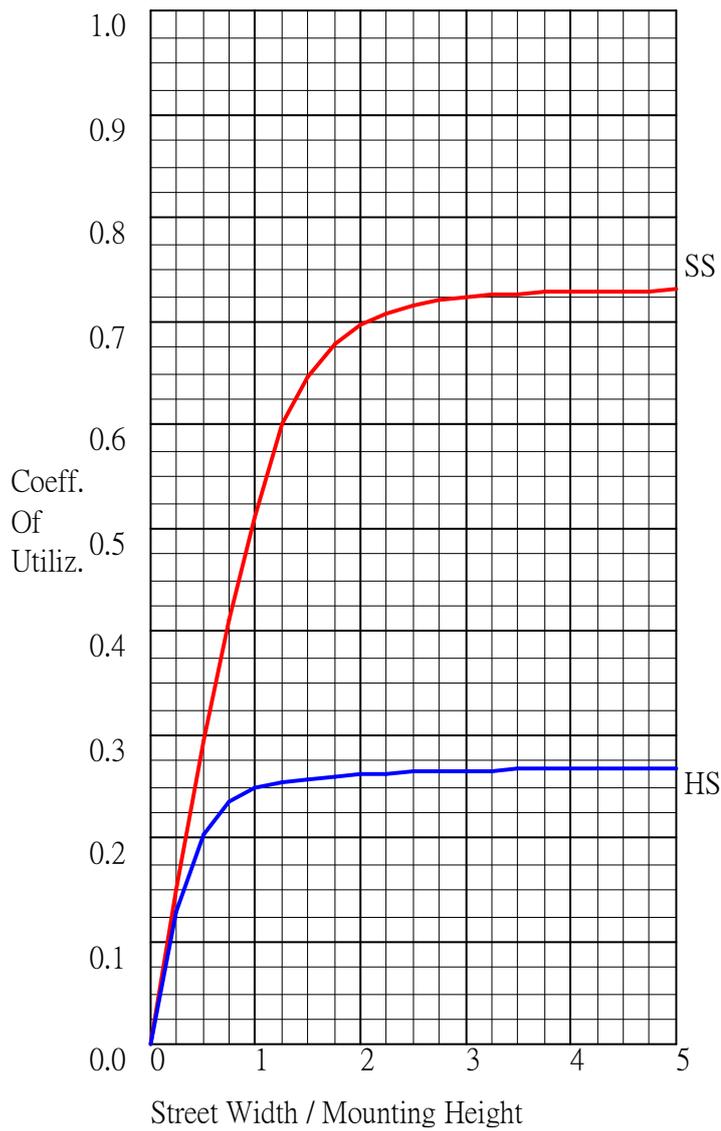
CHARACTERISTICS

| | |
|---|----------------------------------|
| IES Classification | Type III |
| Longitudinal Classification | Medium |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 26788 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 126 |
| Total Luminaire Watts | 212.1 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 14347.375 |
| Maximum Candela Angle | 275H 72.5V |
| Maximum Candela (<90 Degrees Vertical) | 14347.375 |
| Maximum Candela At 90 Degrees Vertical) | 275H 72.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1597.045 (6.0% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------------|-------------|--------------|
| FL - Front-Low (0-30) | 3270.6 | N.A. | 12.2 |
| FM - Front-Medium (30-60) | 9901.9 | N.A. | 37.0 |
| FH - Front-High (60-80) | 6325.3 | N.A. | 23.6 |
| FVH - Front-Very High (80-90) | 105.1 | N.A. | 0.4 |
| BL - Back-Low (0-30) | 2109.2 | N.A. | 7.9 |
| BM - Back-Medium (30-60) | 3051.3 | N.A. | 11.4 |
| BH - Back-High (60-80) | 1985.7 | N.A. | 7.4 |
| BVH - Back-Very High (80-90) | 39.2 | 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 | 26788.3 | N.A. | 100.0 |
| BUG Rating | B3-U0-G3 | | |

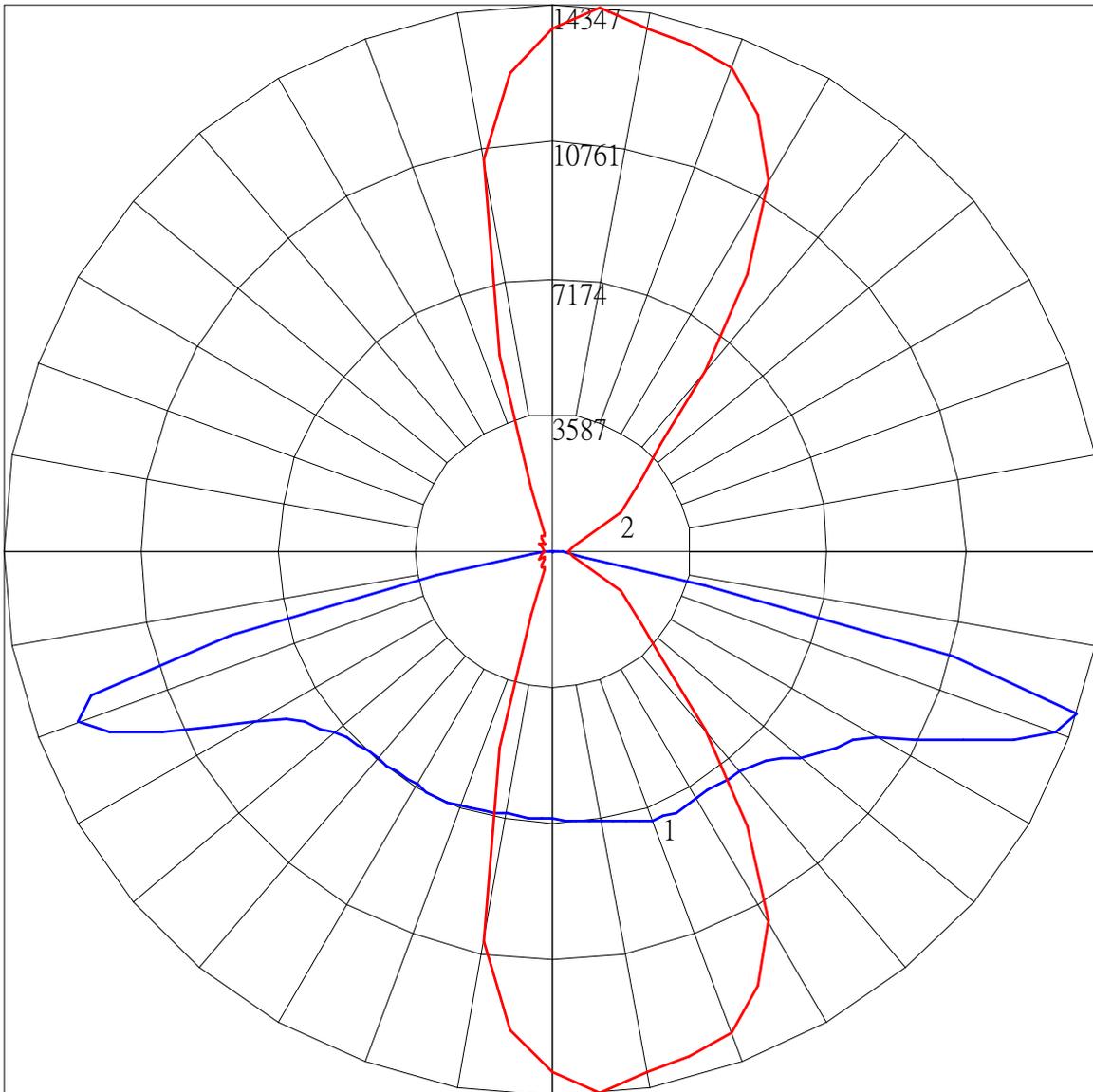
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

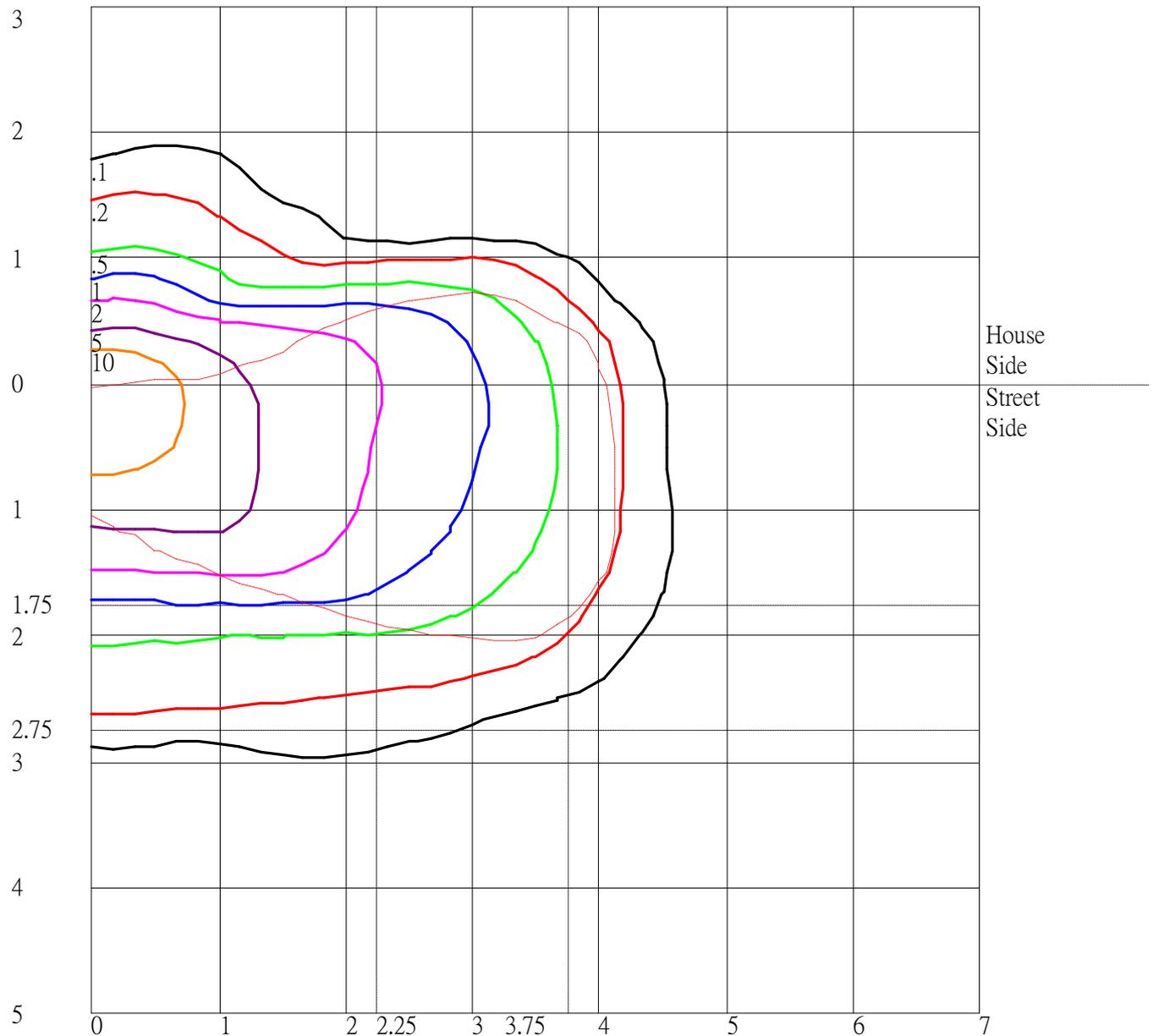
| | Lumens | Percent Of Luminaire |
|----------------------|---------|----------------------|
| Downward Street Side | 19602.9 | 73.2 |
| Downward House Side | 7185.4 | 26.8 |
| Downward Total | 26788.3 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 26788.3 | 100.0 |

POLAR GRAPH



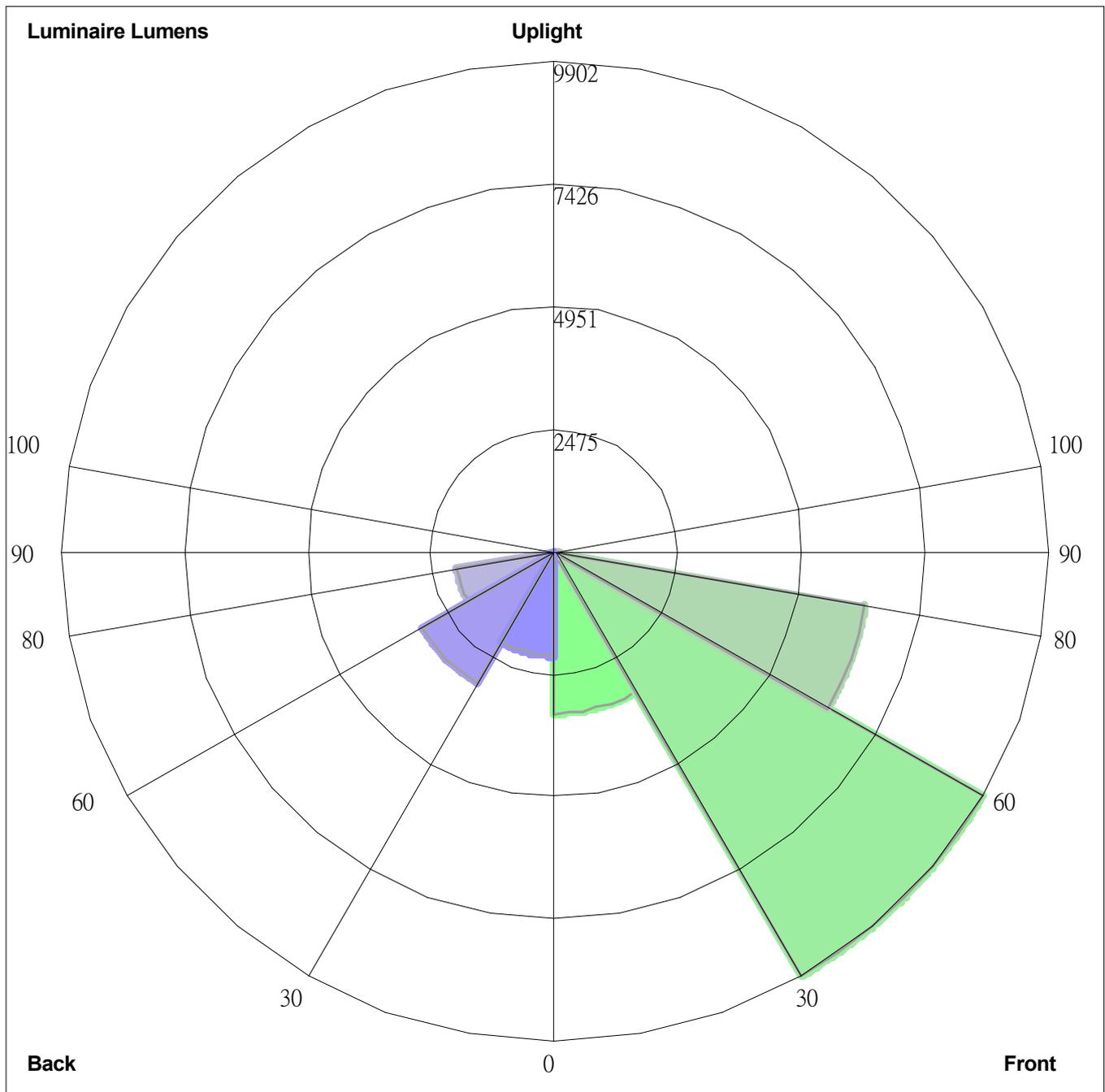
Maximum Candela = 14347.375 Located At Horizontal Angle = 275, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (275 - 95) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=3270.6, Medium=9901.9, High=6325.3, Very High=105.1
Back: Low=2109.2, Medium=3051.3, High=1985.7, Very High=39.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3