



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-5-XX-205 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-5-XX-240
 [ISSUE DATE] 6/20/2019
 [MANUFAC] Leotek Electronics USA LLC
 [LUMCAT] GCL1-80J-MV-27K-5-XX-205

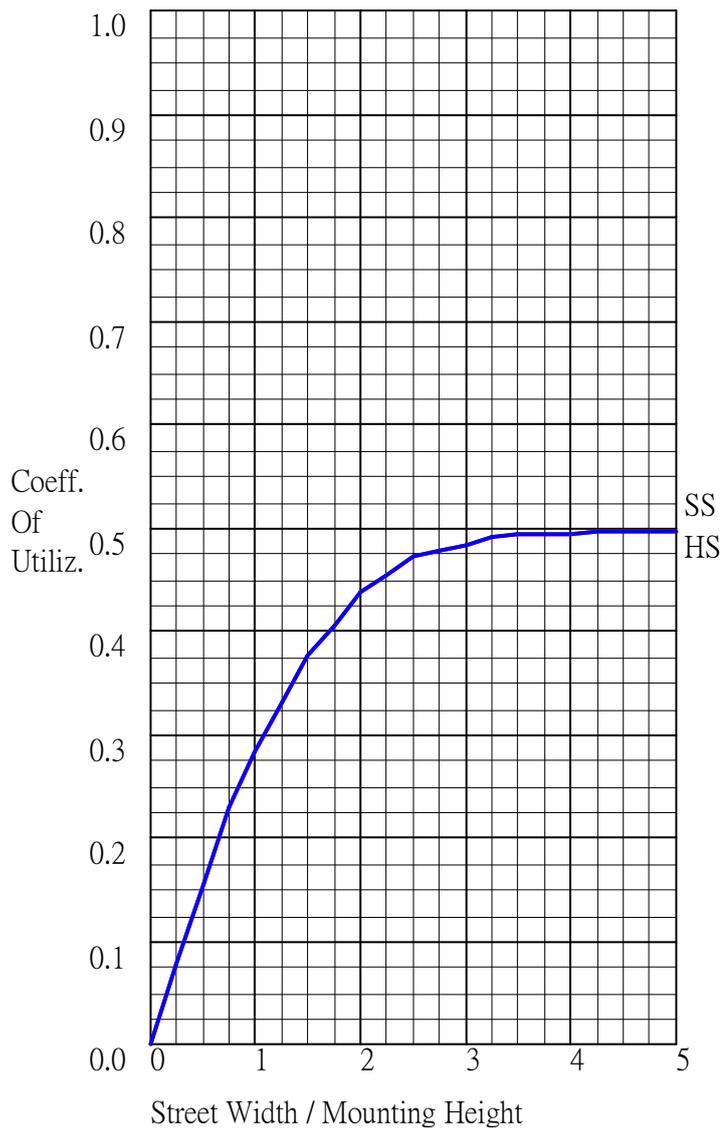
CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 20560 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 141 |
| Total Luminaire Watts | 146 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 8190.2 |
| Maximum Candela Angle | 50H 67.5V |
| Maximum Candela (<90 Degrees Vertical) | 8190.2 |
| Maximum Candela At 90 Degrees Vertical) | 50H 67.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 311.346 (1.5% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------------|-------------|--------------|
| FL - Front-Low (0-30) | 1284.0 | N.A. | 6.2 |
| FM - Front-Medium (30-60) | 4807.7 | N.A. | 23.4 |
| FH - Front-High (60-80) | 4156.6 | N.A. | 20.2 |
| FVH - Front-Very High (80-90) | 31.7 | N.A. | 0.2 |
| BL - Back-Low (0-30) | 1284.0 | N.A. | 6.2 |
| BM - Back-Medium (30-60) | 4807.7 | N.A. | 23.4 |
| BH - Back-High (60-80) | 4156.6 | N.A. | 20.2 |
| BVH - Back-Very High (80-90) | 31.7 | N.A. | 0.2 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 20560.0 | N.A. | 100.0 |
| BUG Rating | B4-U0-G2 | | |

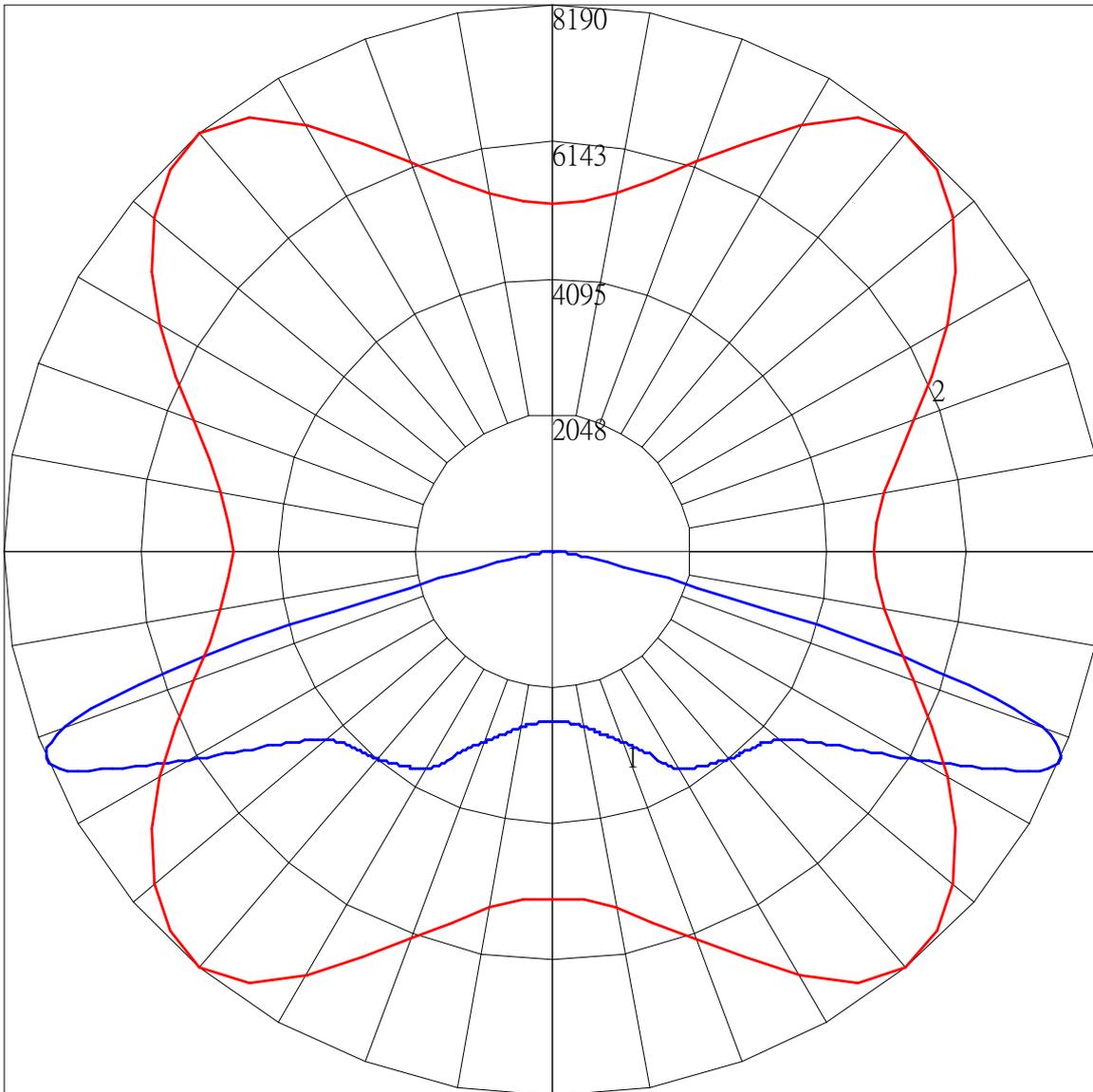
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

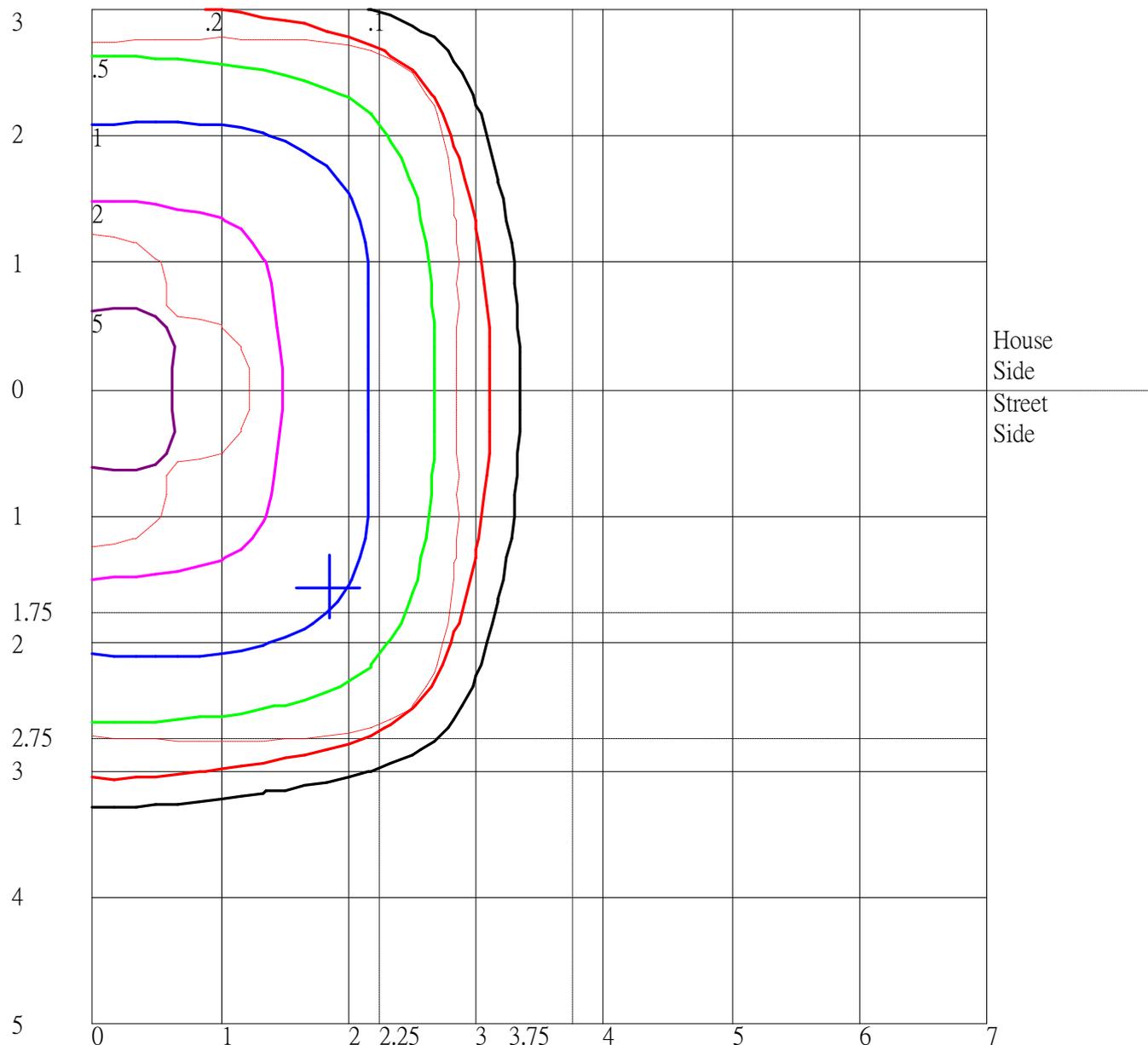
| | Lumens | Percent Of Luminaire |
|----------------------|----------------|----------------------|
| Downward Street Side | 10280.0 | 50.0 |
| Downward House Side | 10280.0 | 50.0 |
| Downward Total | 20560.0 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 20560.0 | 100.0 |

POLAR GRAPH



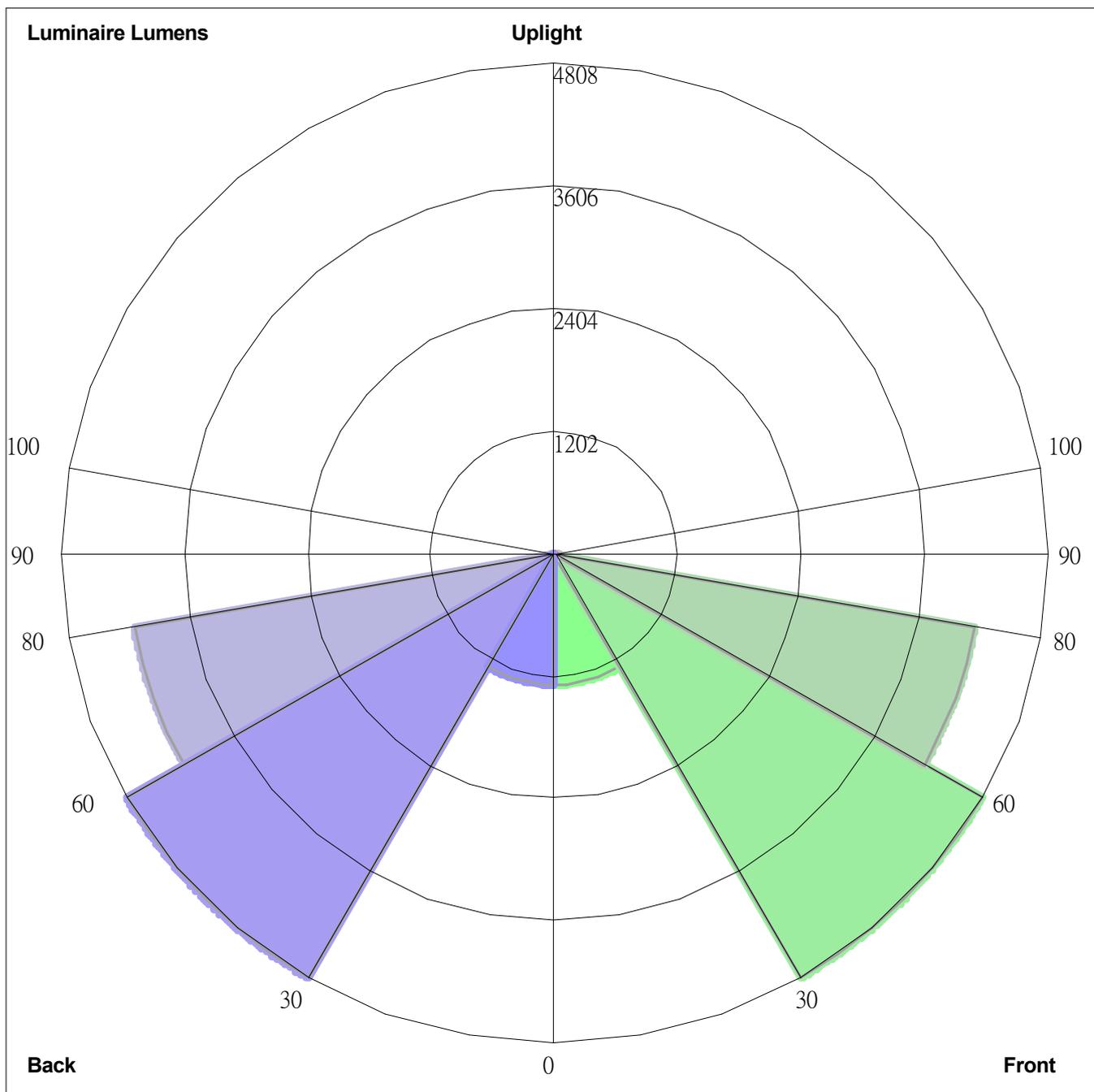
Maximum Candela = 8190.2 Located At Horizontal Angle = 50, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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= 1284.0, Medium=4807.7, High=4156.6, Very High=31.7
 Back: Low= 1284.0, Medium=4807.7, High=4156.6, Very High=31.7
 Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2