



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-3R-XX-190 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-3R-XX-240  
[ISSUEDATE] 6/20/2019  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCL1-80J-MV-27K-3R-XX-190

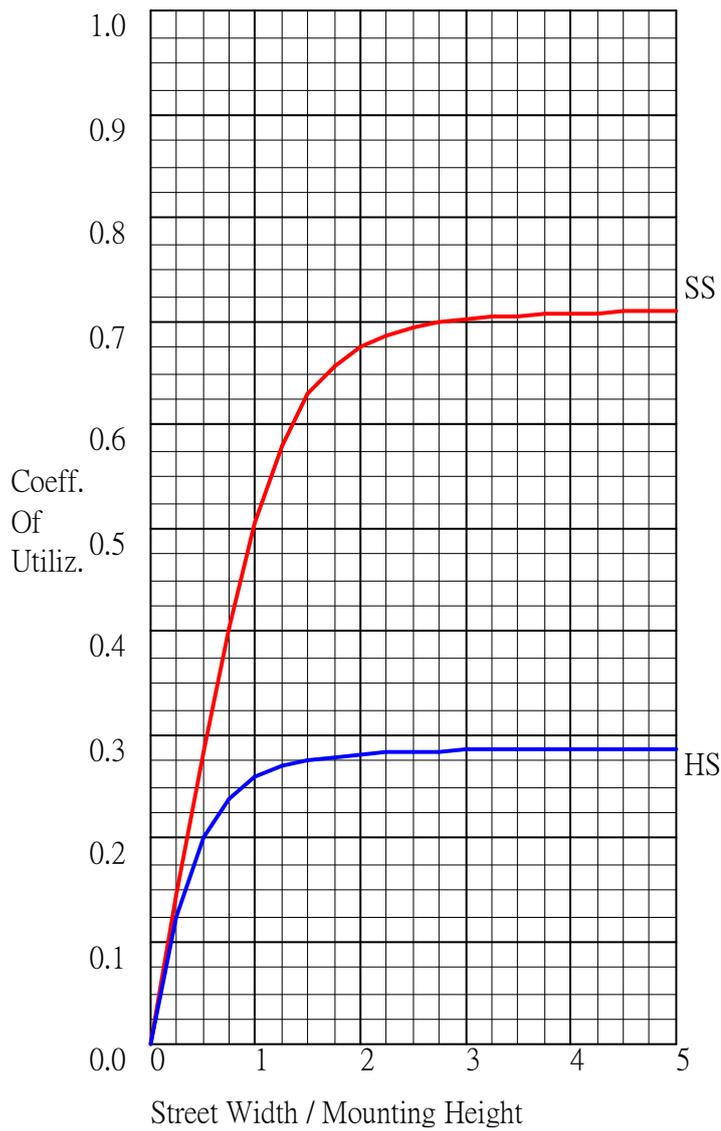
**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18588
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	132
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9638.165
Maximum Candela Angle	80H 71.5V
Maximum Candela (<90 Degrees Vertical)	9638.165
Maximum Candela At 90 Degrees Vertical	80H 71.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1071.535 (5.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2193.9	N.A.	11.8
FM - Front-Medium (30-60)	6695.5	N.A.	36.0
FH - Front-High (60-80)	4250.4	N.A.	22.9
FVH - Front-Very High (80-90)	84.0	N.A.	0.5
BL - Back-Low (0-30)	1507.3	N.A.	8.1
BM - Back-Medium (30-60)	2269.0	N.A.	12.2
BH - Back-High (60-80)	1553.5	N.A.	8.4
BVH - Back-Very High (80-90)	34.5	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	18588.1	N.A.	100.0
BUG Rating	B3-U0-G3		

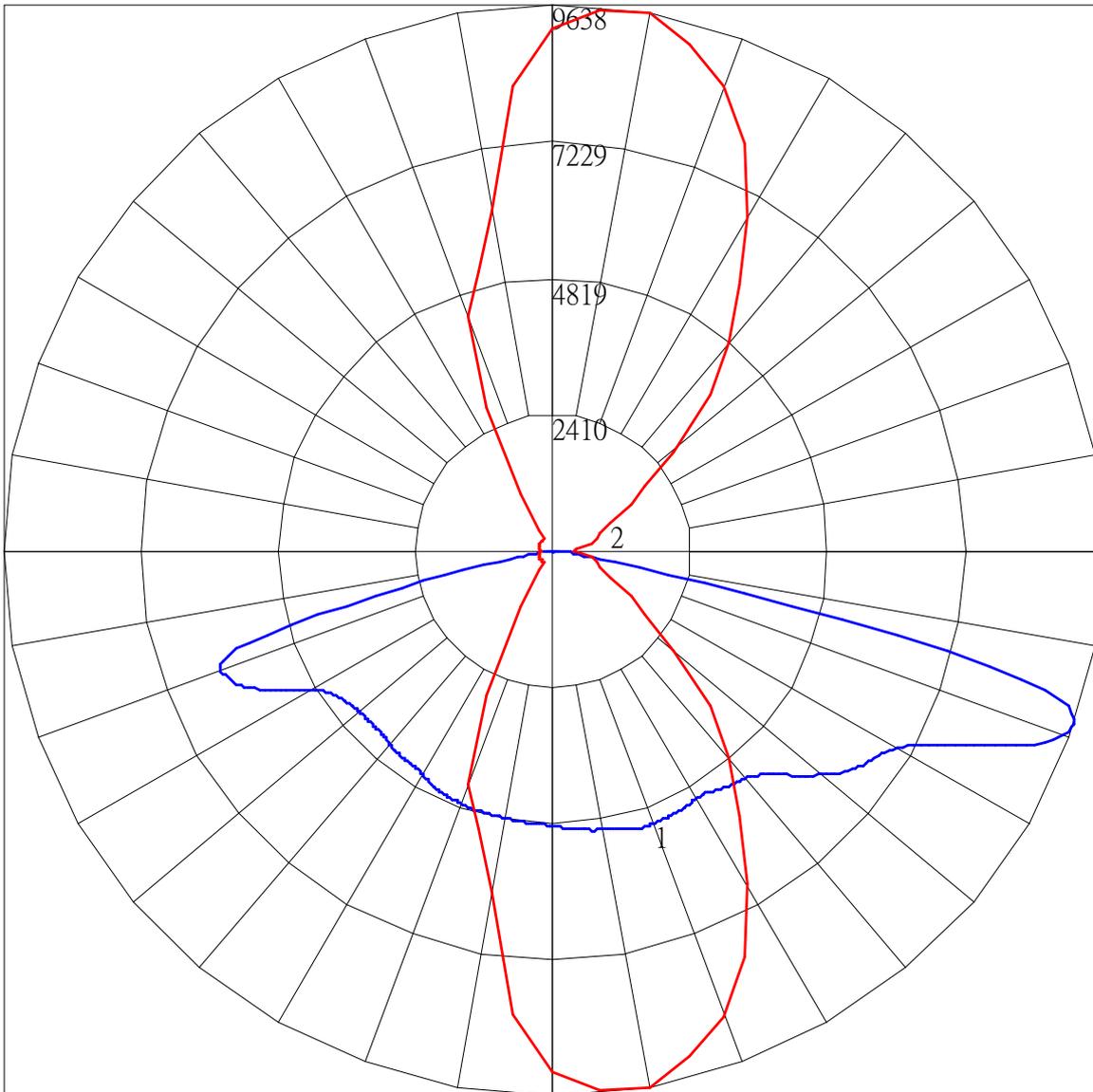
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

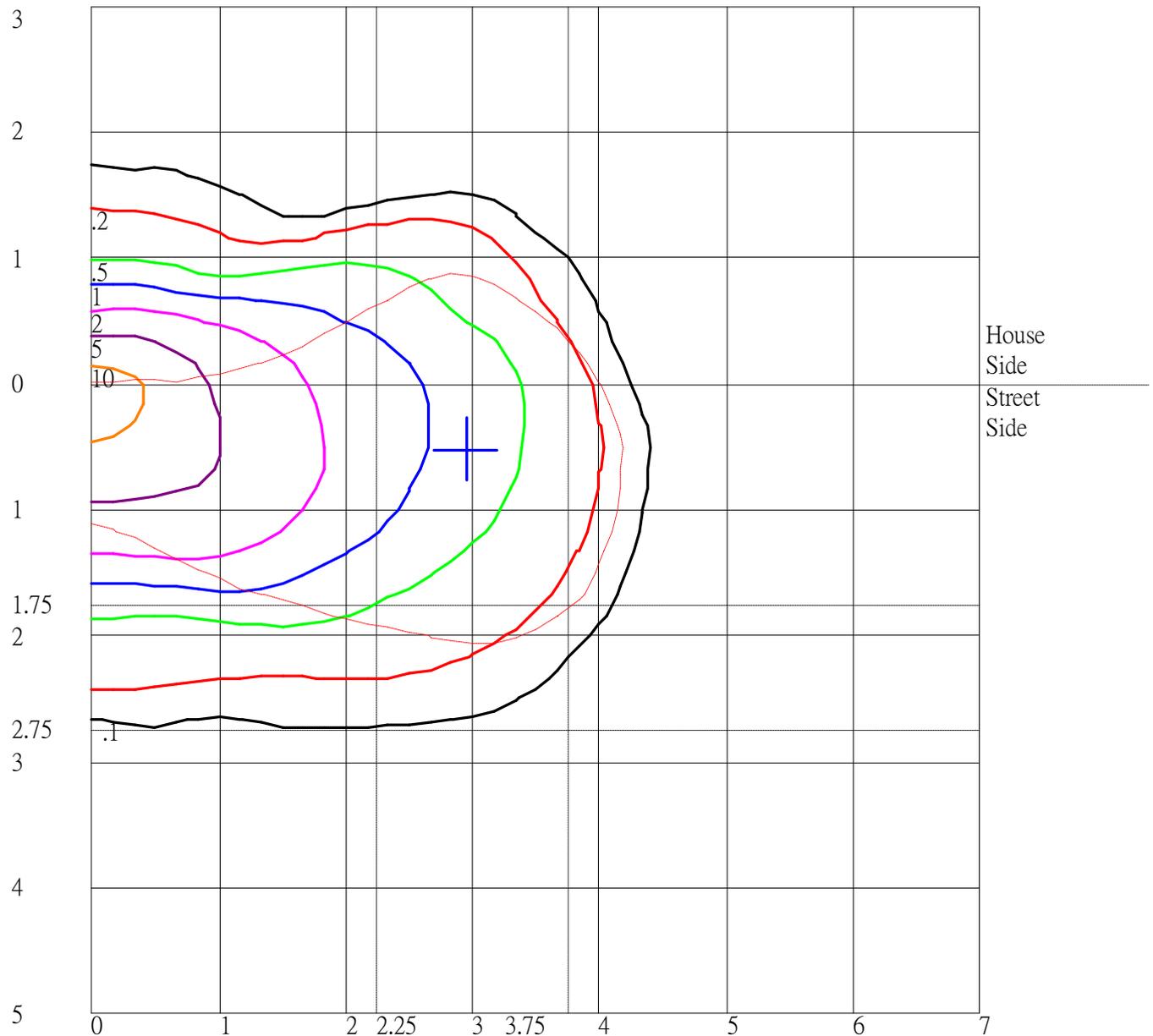
	Lumens	Percent Of Luminaire
Downward Street Side	13223.9	71.1
Downward House Side	5364.3	28.9
Downward Total	18588.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18588.2	100.0

POLAR GRAPH



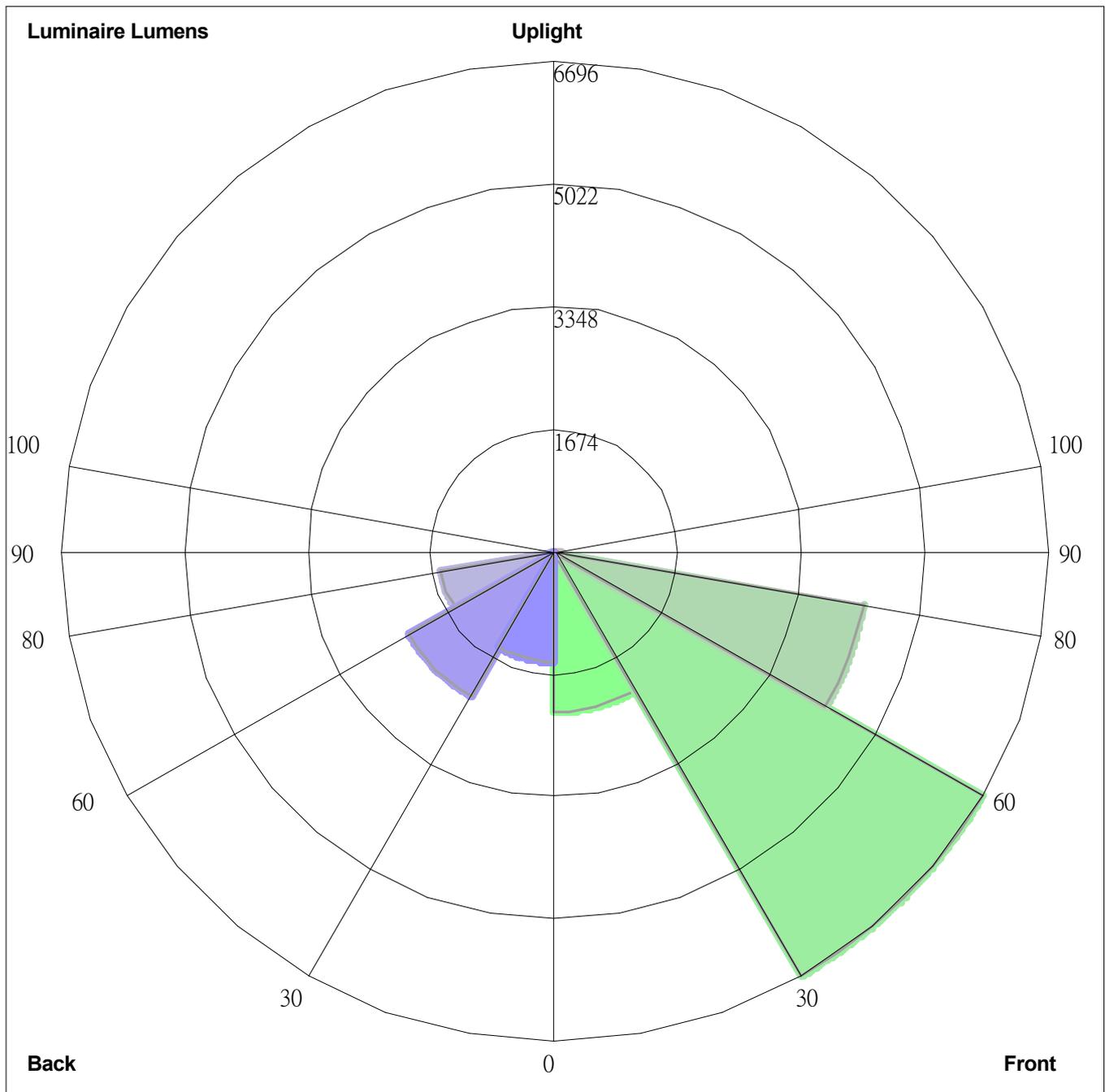
Maximum Candela = 9638.165 Located At Horizontal Angle = 80, Vertical Angle = 71.5  
# 1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71.5) (Through Max. Cd.)

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=2193.9, Medium=6695.5, High=4250.4, Very High=84.0  
Back: Low=1507.3, Medium= 2269.0, High=1553.5, Very High=34.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3