



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-4-XX-190 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-4-XX-240  
 [ISSUEDATE] 6/24/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL1-80J-MV-27K-4-XX-190

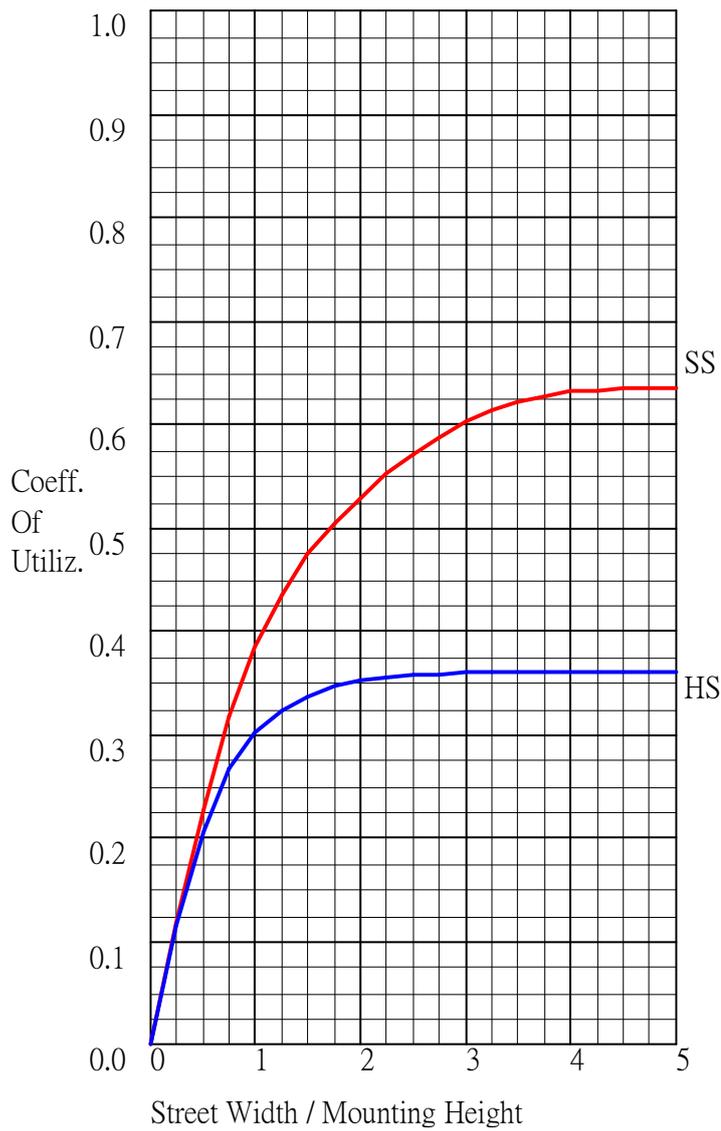
**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18970
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	132
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11133.011
Maximum Candela Angle	80H 70.5V
Maximum Candela (<90 Degrees Vertical)	11133.011
Maximum Candela Angle (<90 Degrees Vertical)	80H 70.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	896.584 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1864.9	N.A.	9.8
FM - Front-Medium (30-60)	5259.9	N.A.	27.7
FH - Front-High (60-80)	4914.9	N.A.	25.9
FVH - Front-Very High (80-90)	66.8	N.A.	0.4
BL - Back-Low (0-30)	1613.9	N.A.	8.5
BM - Back-Medium (30-60)	3917.5	N.A.	20.7
BH - Back-High (60-80)	1319.6	N.A.	7.0
BVH - Back-Very High (80-90)	12.3	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
<b>Total</b>	<b>18969.8</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B3-U0-G3</b>		

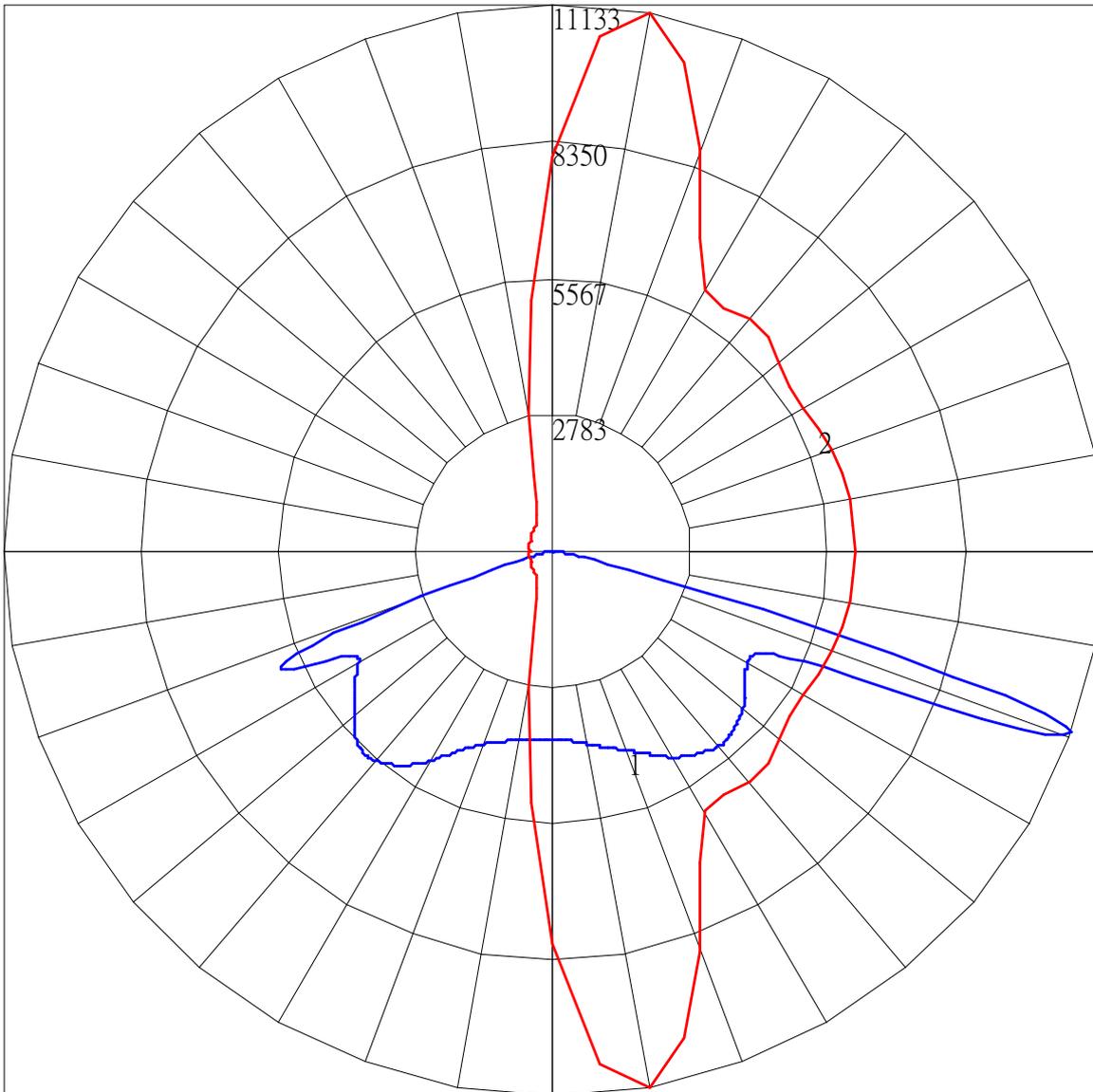
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

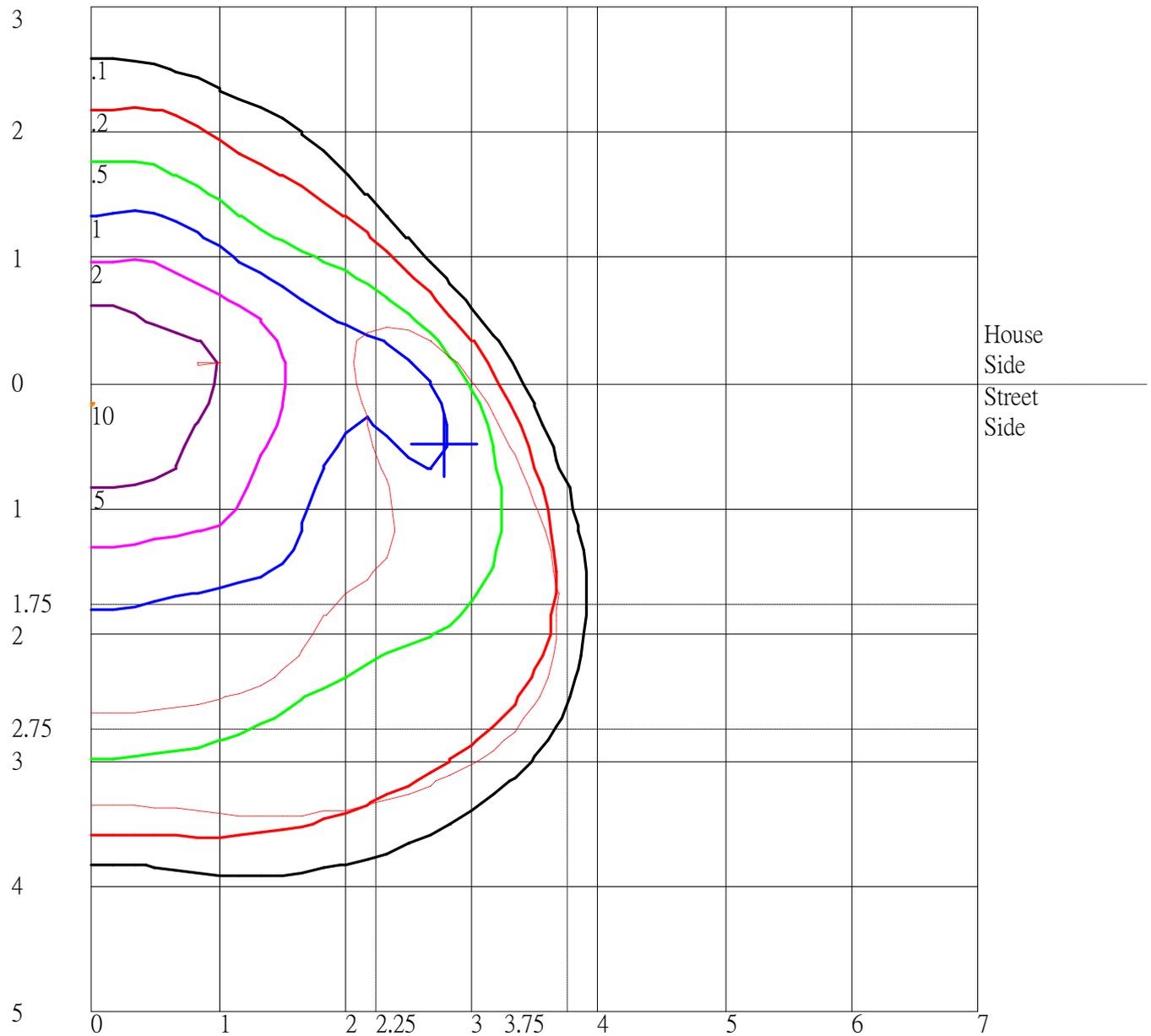
	Lumens	Percent Of Luminaire
Downward Street Side	12106.6	63.8
Downward House Side	6863.3	36.2
Downward Total	18969.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>18969.9</b>	<b>100.0</b>

POLAR GRAPH



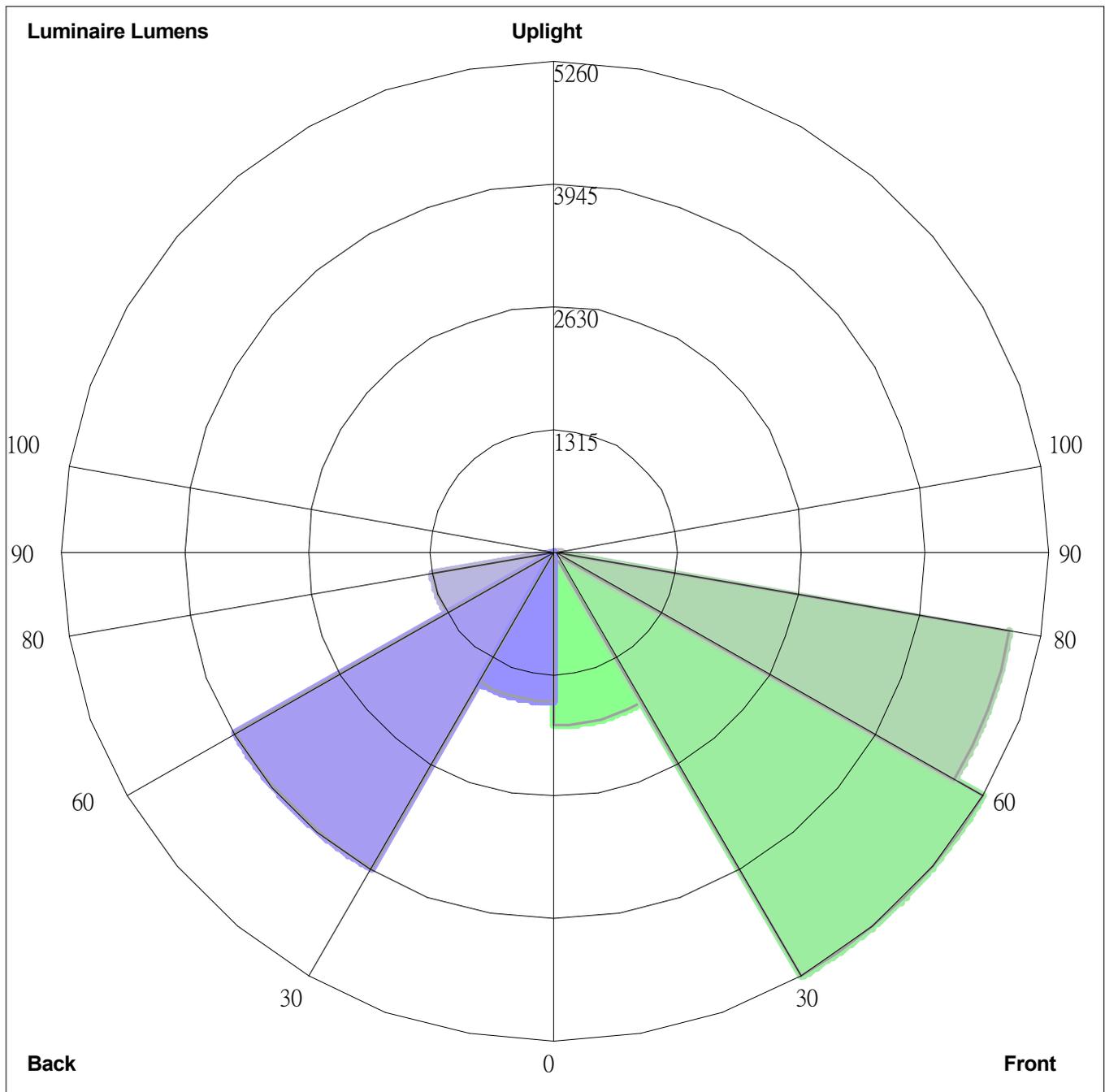
Maximum Candela = 11133.011 Located At Horizontal Angle = 80, Vertical Angle = 70.5  
# 1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70.5) (Through Max. Cd.)

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=1864.9, Medium=5259.9, High=4914.9, Very High=66.8  
Back: Low=1613.9, Medium=3917.5, High=1319.6, Very High=12.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3