



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-5-XX-190 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  
 [ISSUEDATE] 6/24/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL1-80J-MV-27K-5-XX-190

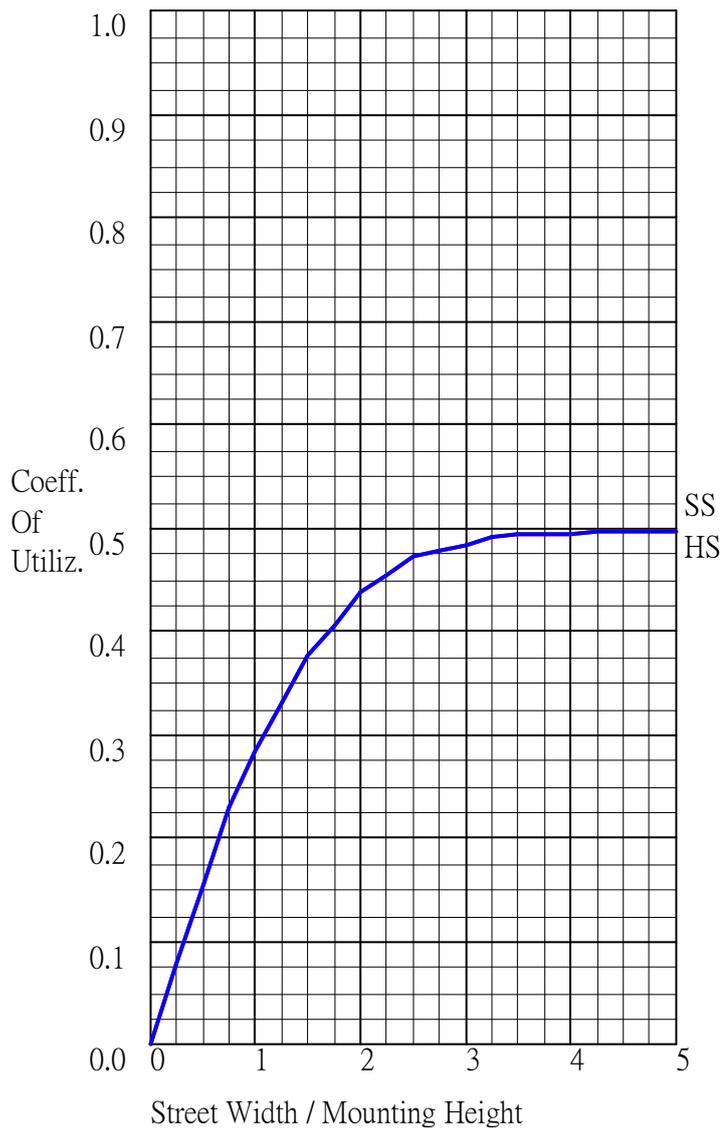
**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Short
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	7556.989
Maximum Candela Angle	50H 67.5V
Maximum Candela (<90 Degrees Vertical)	7556.989
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	287.275 (1.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1184.7	N.A.	6.2
FM - Front-Medium (30-60)	4436.0	N.A.	23.4
FH - Front-High (60-80)	3835.2	N.A.	20.2
FVH - Front-Very High (80-90)	29.2	N.A.	0.2
BL - Back-Low (0-30)	1184.7	N.A.	6.2
BM - Back-Medium (30-60)	4436.0	N.A.	23.4
BH - Back-High (60-80)	3835.2	N.A.	20.2
BVH - Back-Very High (80-90)	29.2	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
<b>Total</b>	<b>18970.2</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B4-U0-G2		

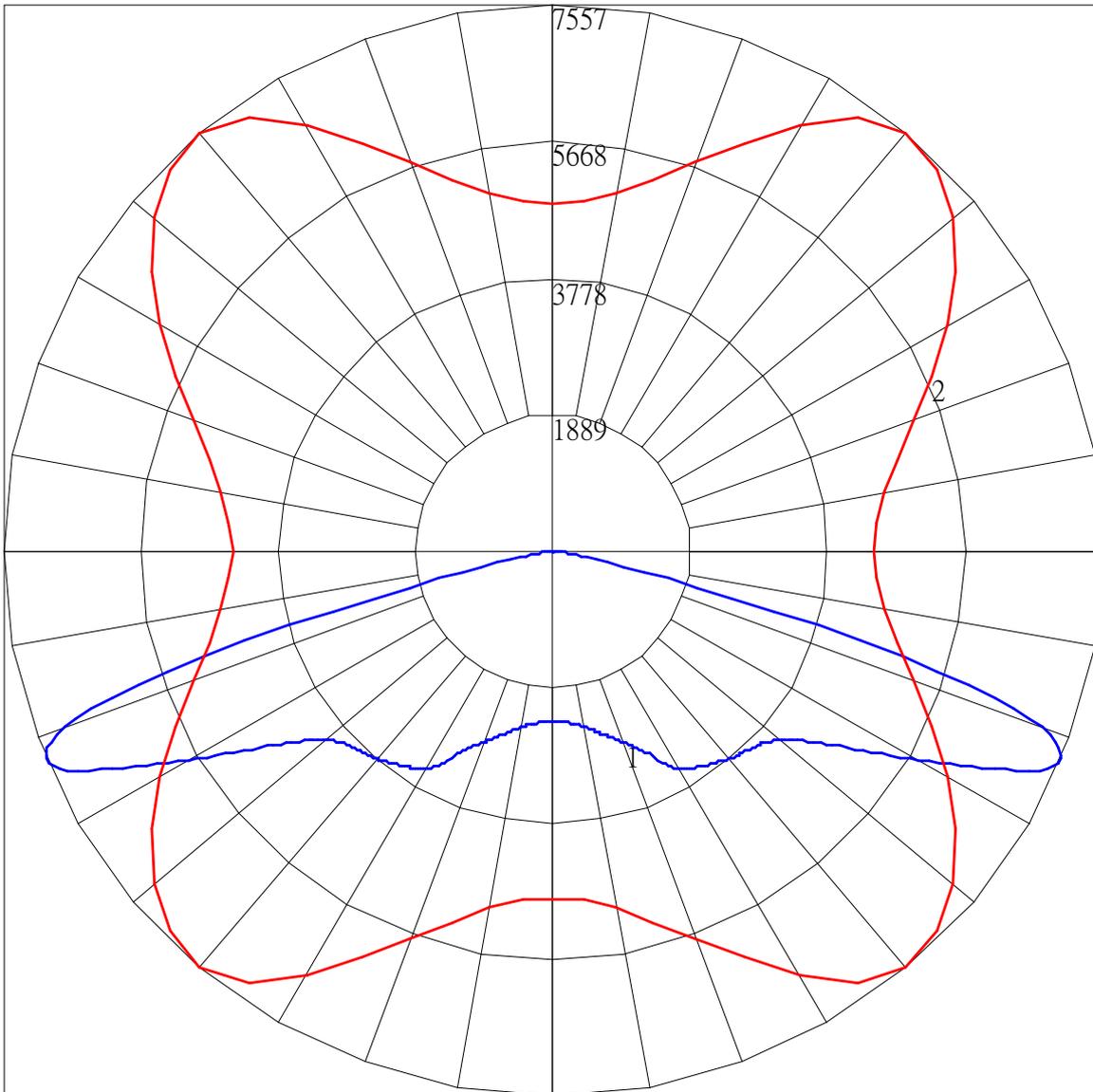
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

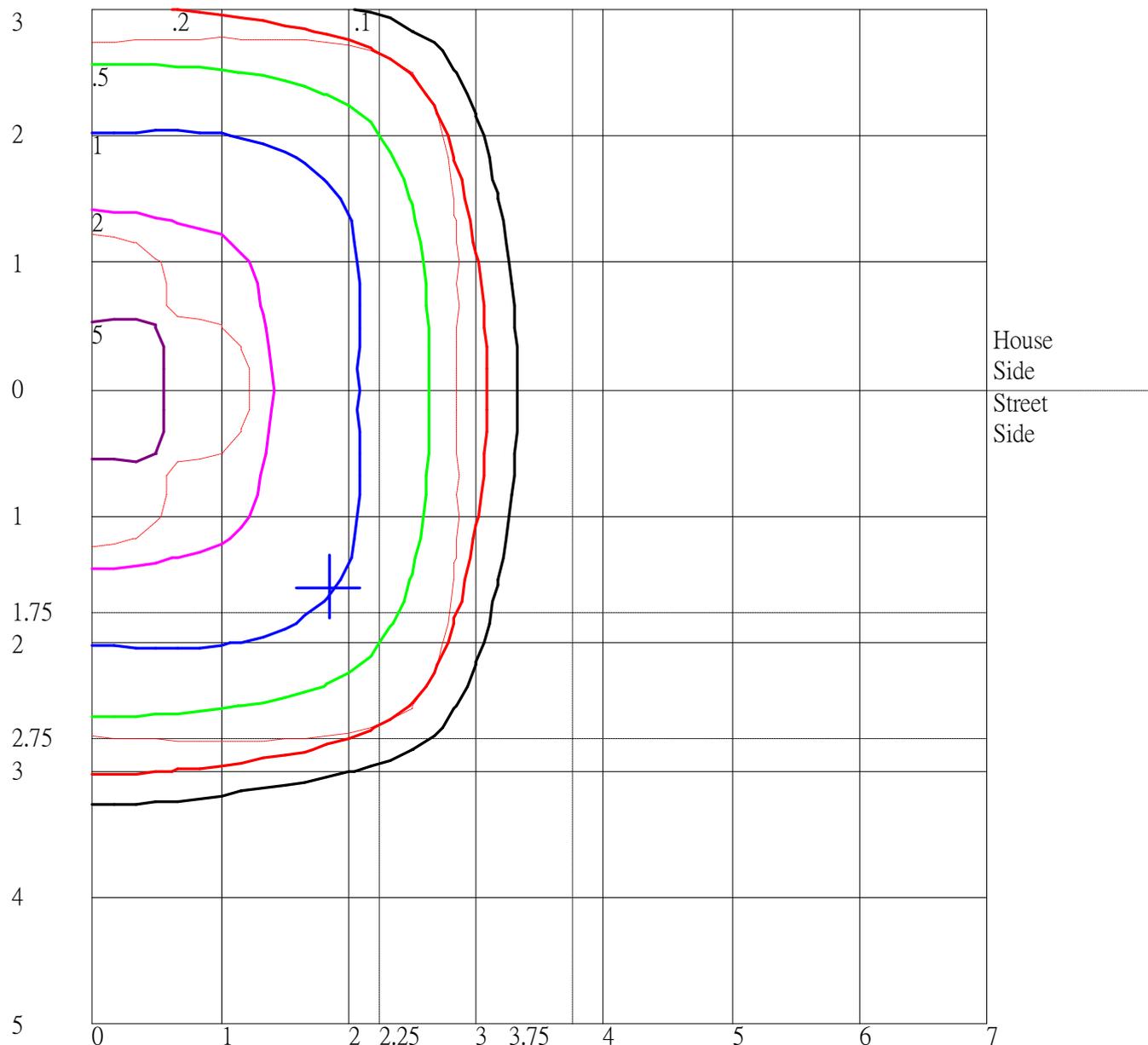
	Lumens	Percent Of Luminaire
Downward Street Side	9485.2	50.0
Downward House Side	9485.2	50.0
Downward Total	18970.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>18970.4</b>	<b>100.0</b>

POLAR GRAPH



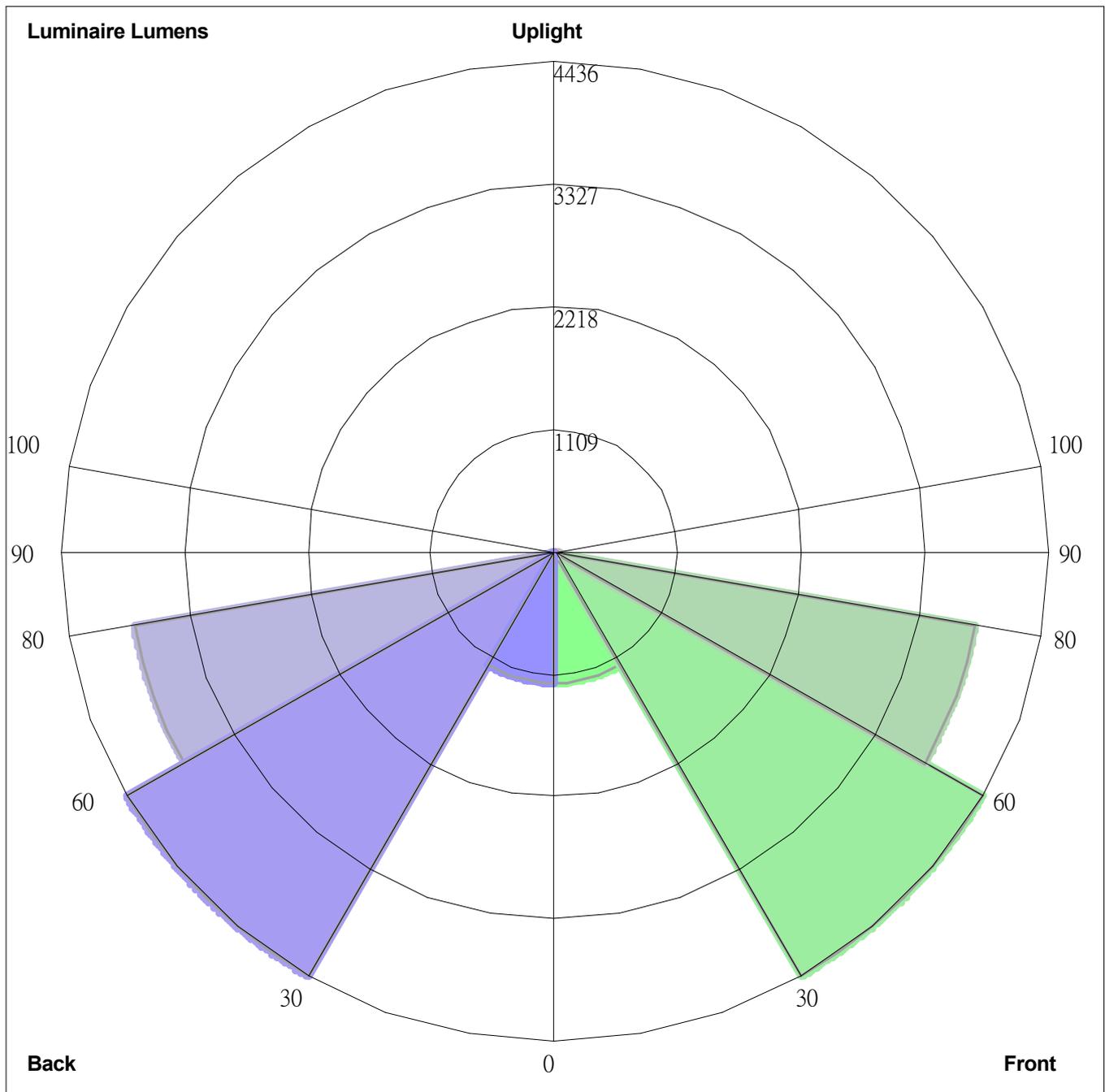
Maximum Candela = 7556.989 Located At Horizontal Angle = 50, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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=1184.7, Medium= 4436.0, High=3835.2, Very High=29.2  
Back: Low=1184.7, Medium= 4436.0, High=3835.2, Very High=29.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2