



**IES ROAD REPORT**

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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-3F-XX-275  
[ISSUEDATE] 6/24/2019  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCL1-80J-MV-27K-3F-XX-190

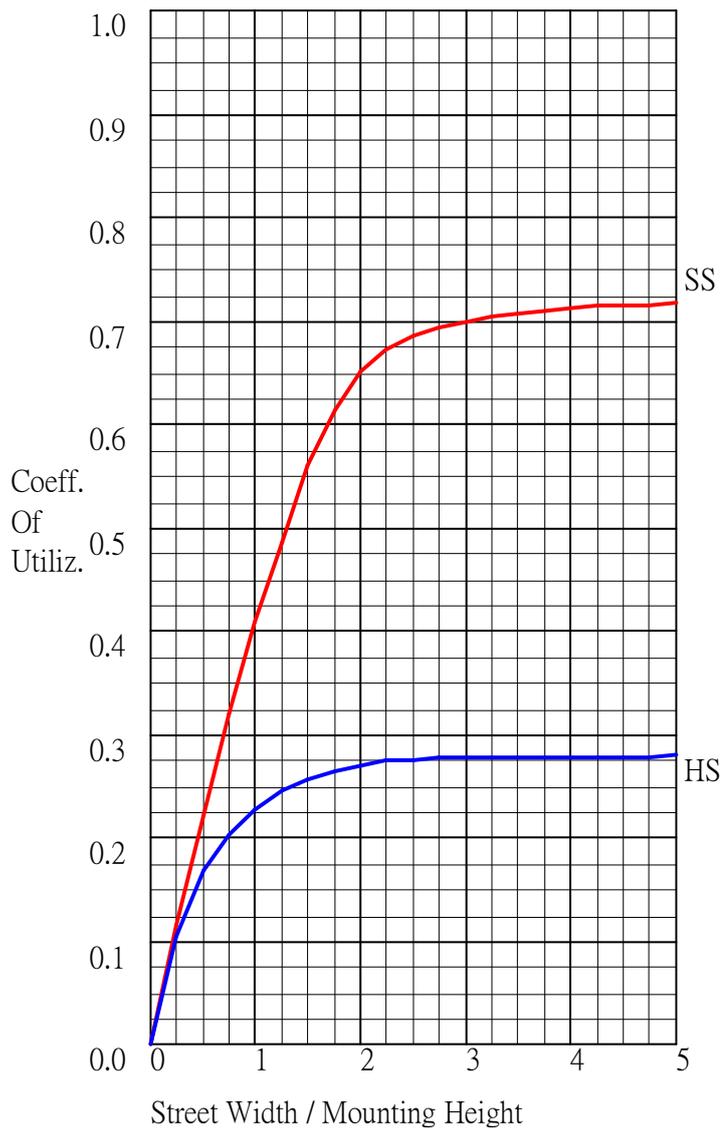
**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18843
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	132
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12245.988
Maximum Candela Angle	60H 73V
Maximum Candela (<90 Degrees Vertical)	12245.988
Maximum Candela Angle (<90 Degrees Vertical)	60H 73V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1677.522 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1566.3	N.A.	8.3
FM - Front-Medium (30-60)	6283.7	N.A.	33.3
FH - Front-High (60-80)	5616.4	N.A.	29.8
FVH - Front-Very High (80-90)	94.6	N.A.	0.5
BL - Back-Low (0-30)	1418.3	N.A.	7.5
BM - Back-Medium (30-60)	2708.4	N.A.	14.4
BH - Back-High (60-80)	1136.1	N.A.	6.0
BVH - Back-Very High (80-90)	19.2	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
<b>Total</b>	<b>18843.0</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B3-U0-G3		

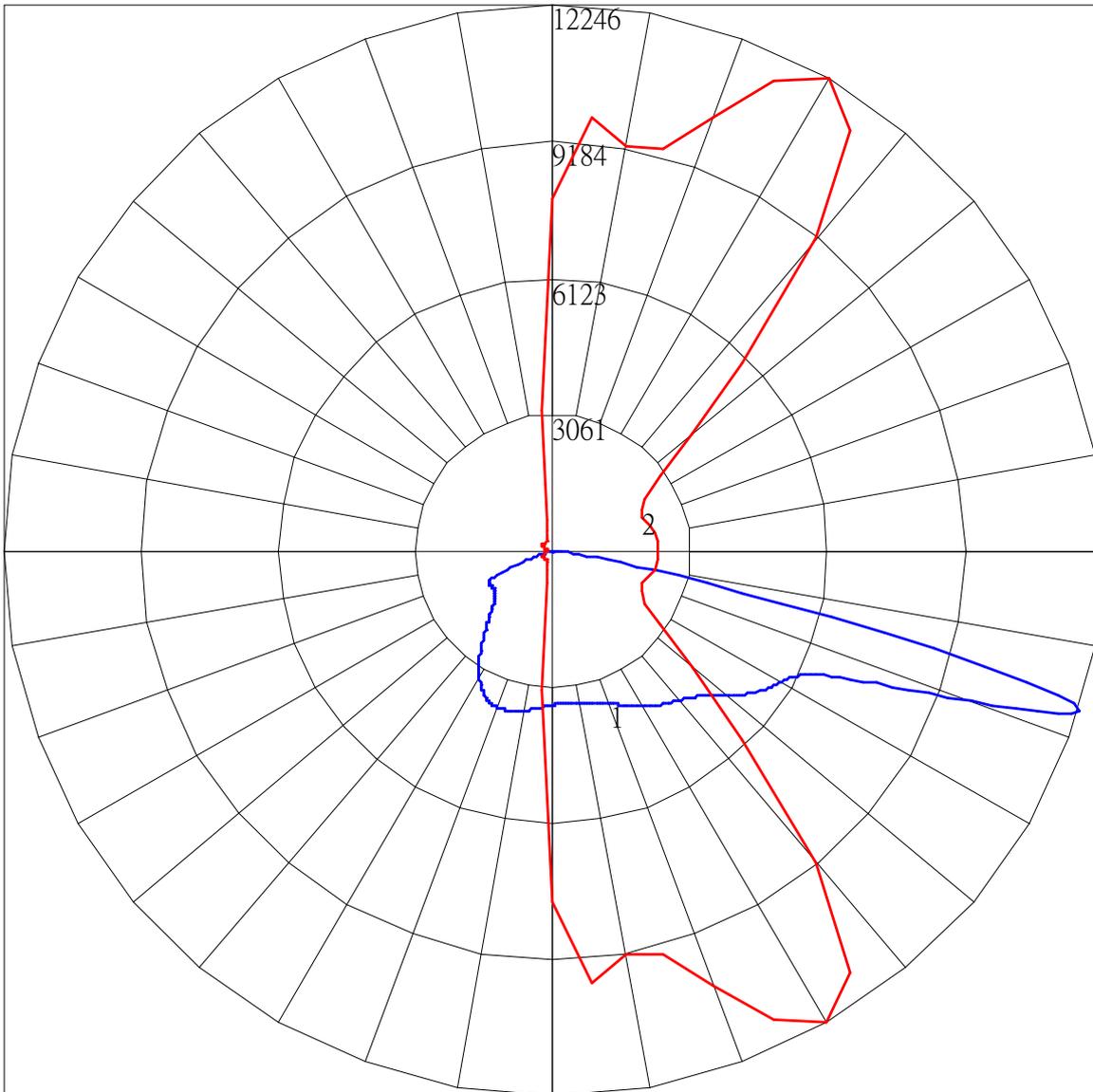
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

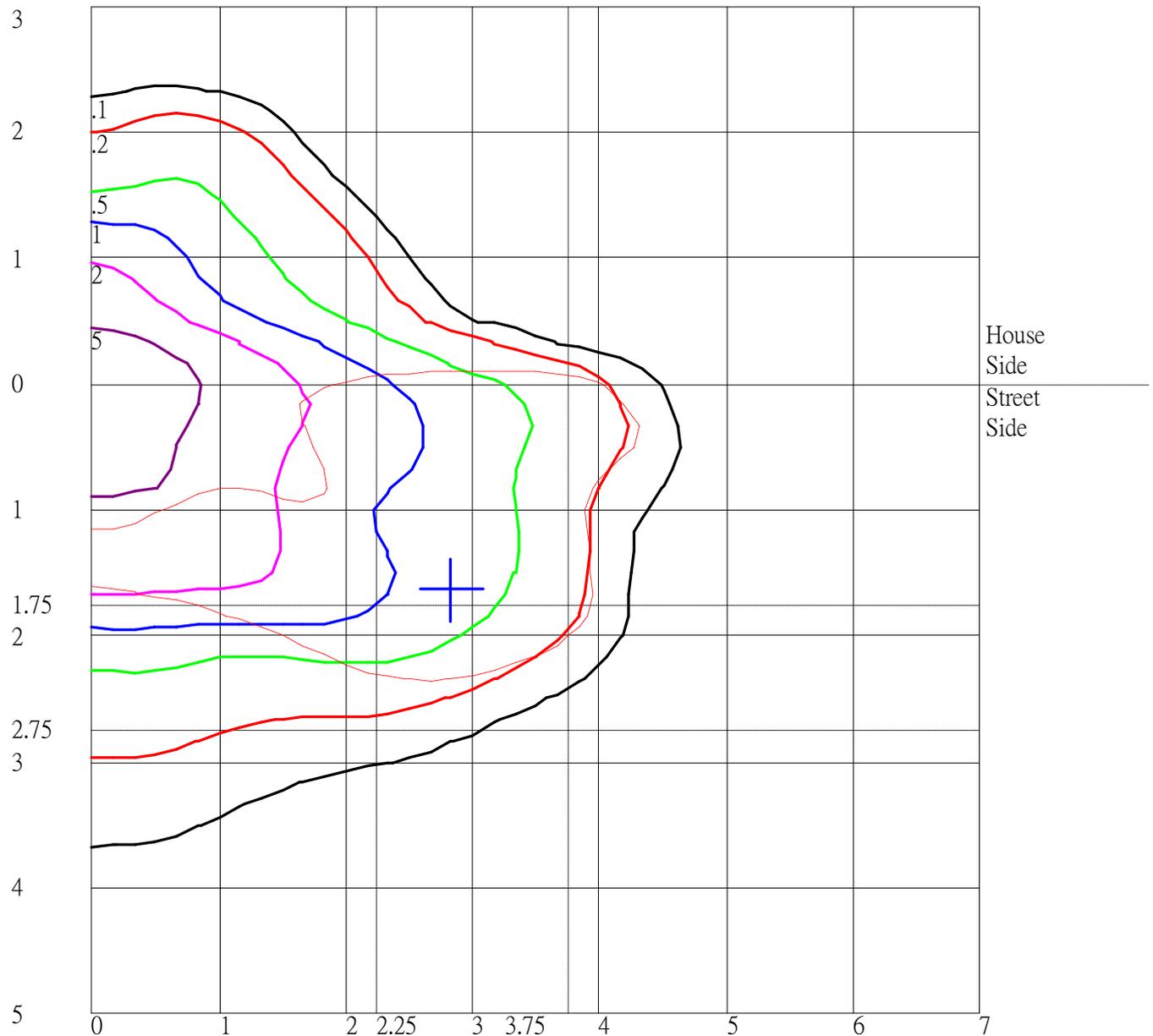
	Lumens	Percent Of Luminaire
Downward Street Side	13561.0	72.0
Downward House Side	5281.9	28.0
Downward Total	18842.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18842.9	100.0

POLAR GRAPH



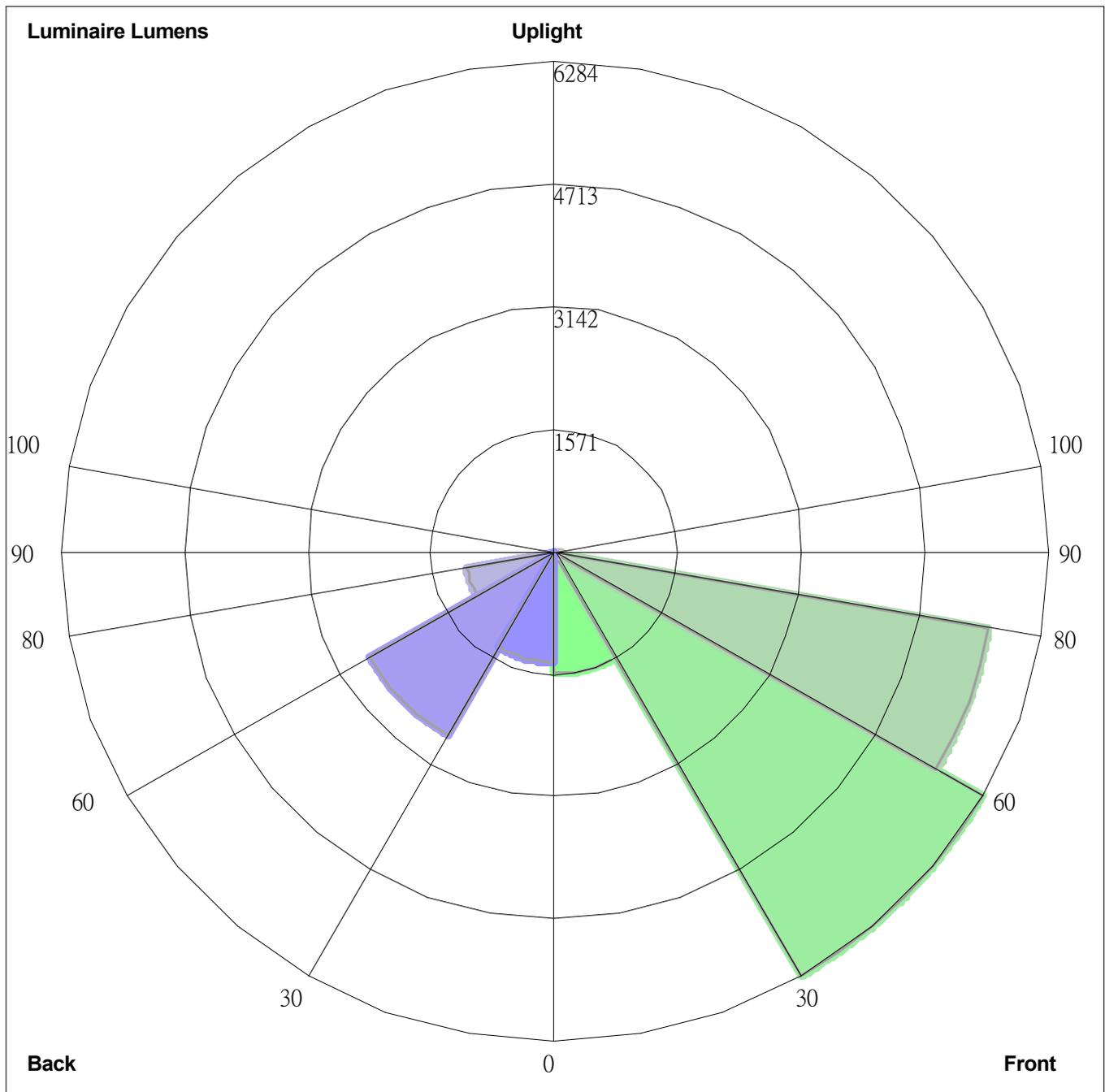
Maximum Candela = 12245.988 Located At Horizontal Angle = 60, Vertical Angle = 73  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (73) (Through Max. Cd.)

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=1566.3, Medium=6283.7, High=5616.4, Very High=94.6  
Back: Low=1418.3, Medium=2708.4, High=1136.1, Very High=19.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3