



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-4-XX-230 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-230

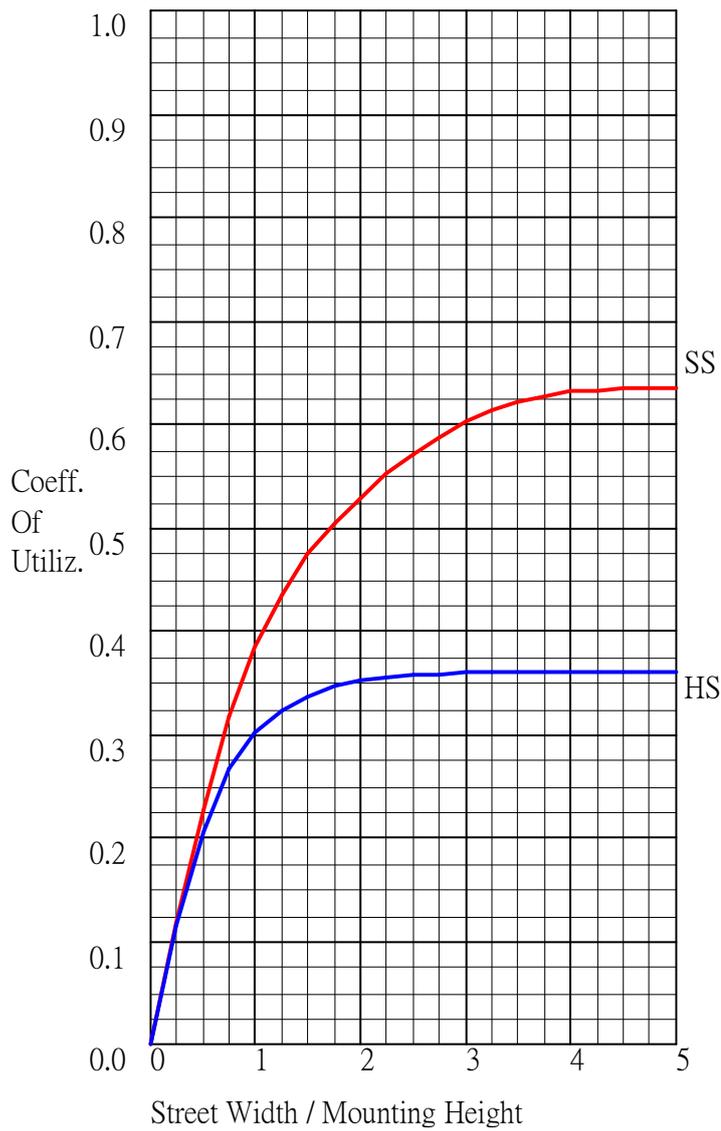
**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23840
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	170.718
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13990.981
Maximum Candela Angle	80H 70.5V
Maximum Candela (<90 Degrees Vertical)	13990.981
Maximum Candela At 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	1126.748 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2343.7	N.A.	9.8
FM - Front-Medium (30-60)	6610.2	N.A.	27.7
FH - Front-High (60-80)	6176.5	N.A.	25.9
FVH - Front-Very High (80-90)	84.0	N.A.	0.4
BL - Back-Low (0-30)	2028.2	N.A.	8.5
BM - Back-Medium (30-60)	4923.2	N.A.	20.7
BH - Back-High (60-80)	1658.4	N.A.	7.0
BVH - Back-Very High (80-90)	15.4	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
Total	23839.6	N.A.	100.0
BUG Rating	B3-U0-G3		

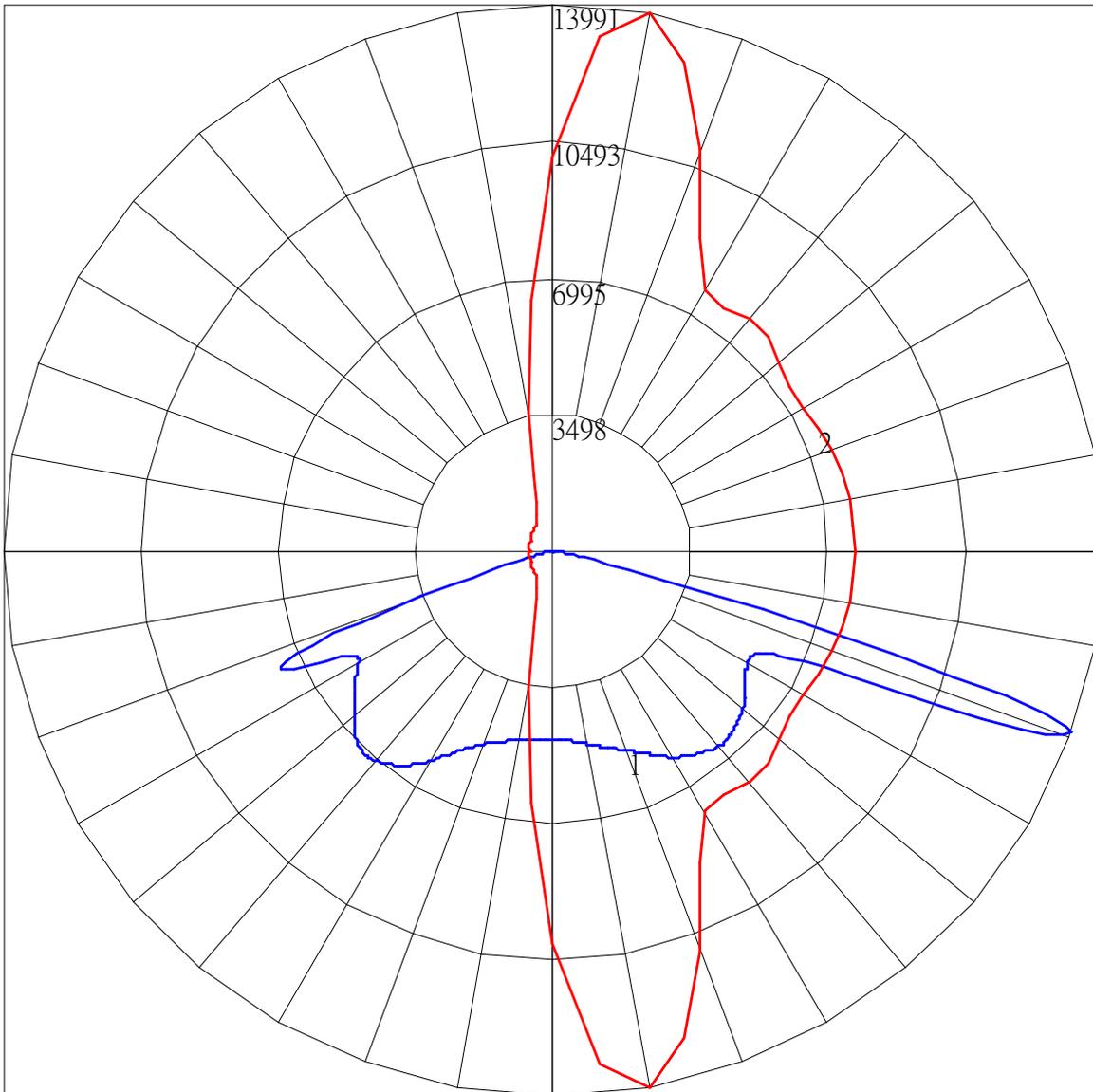
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

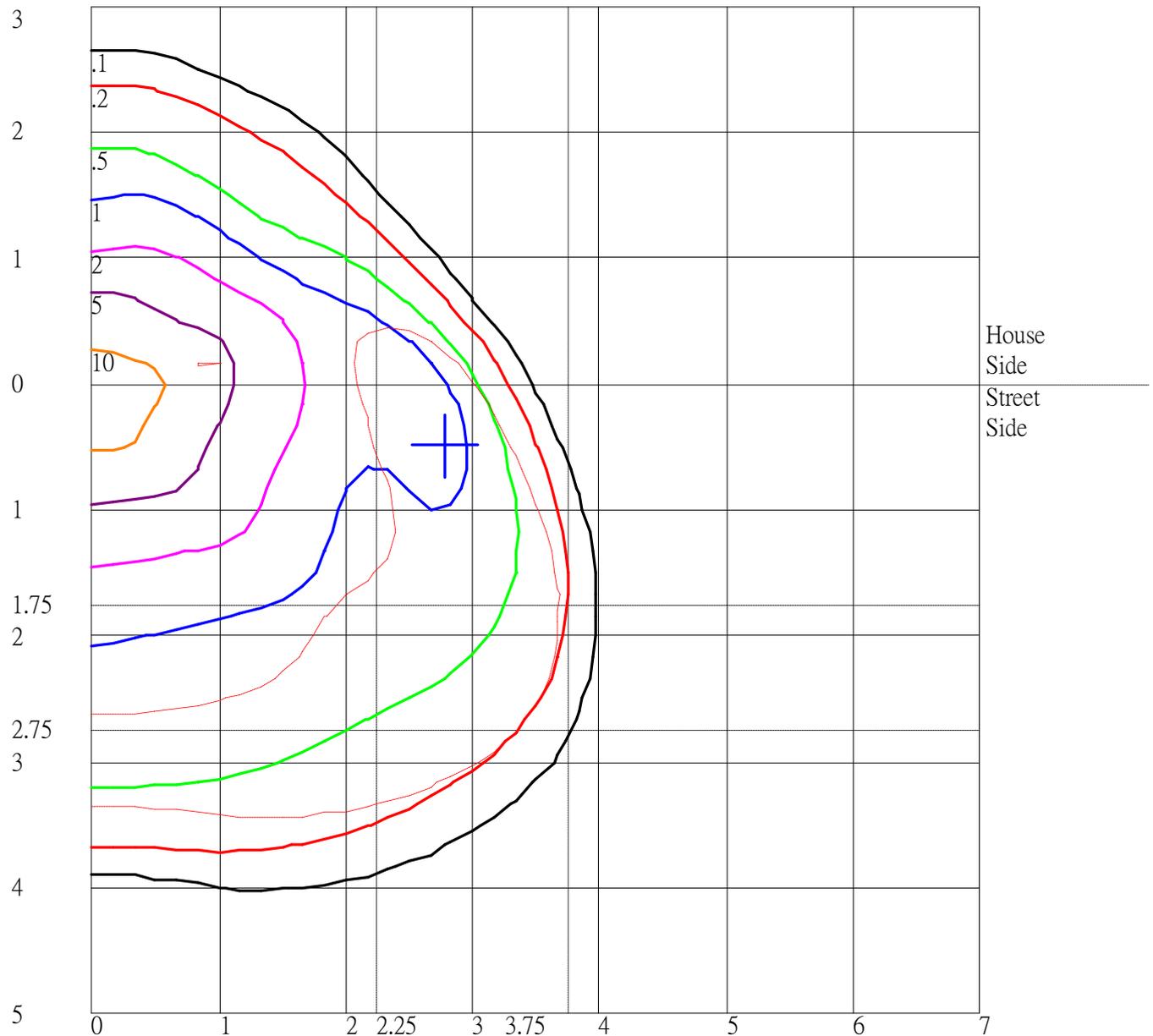
	Lumens	Percent Of Luminaire
Downward Street Side	15214.5	63.8
Downward House Side	8625.2	36.2
Downward Total	23839.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23839.7	100.0

POLAR GRAPH



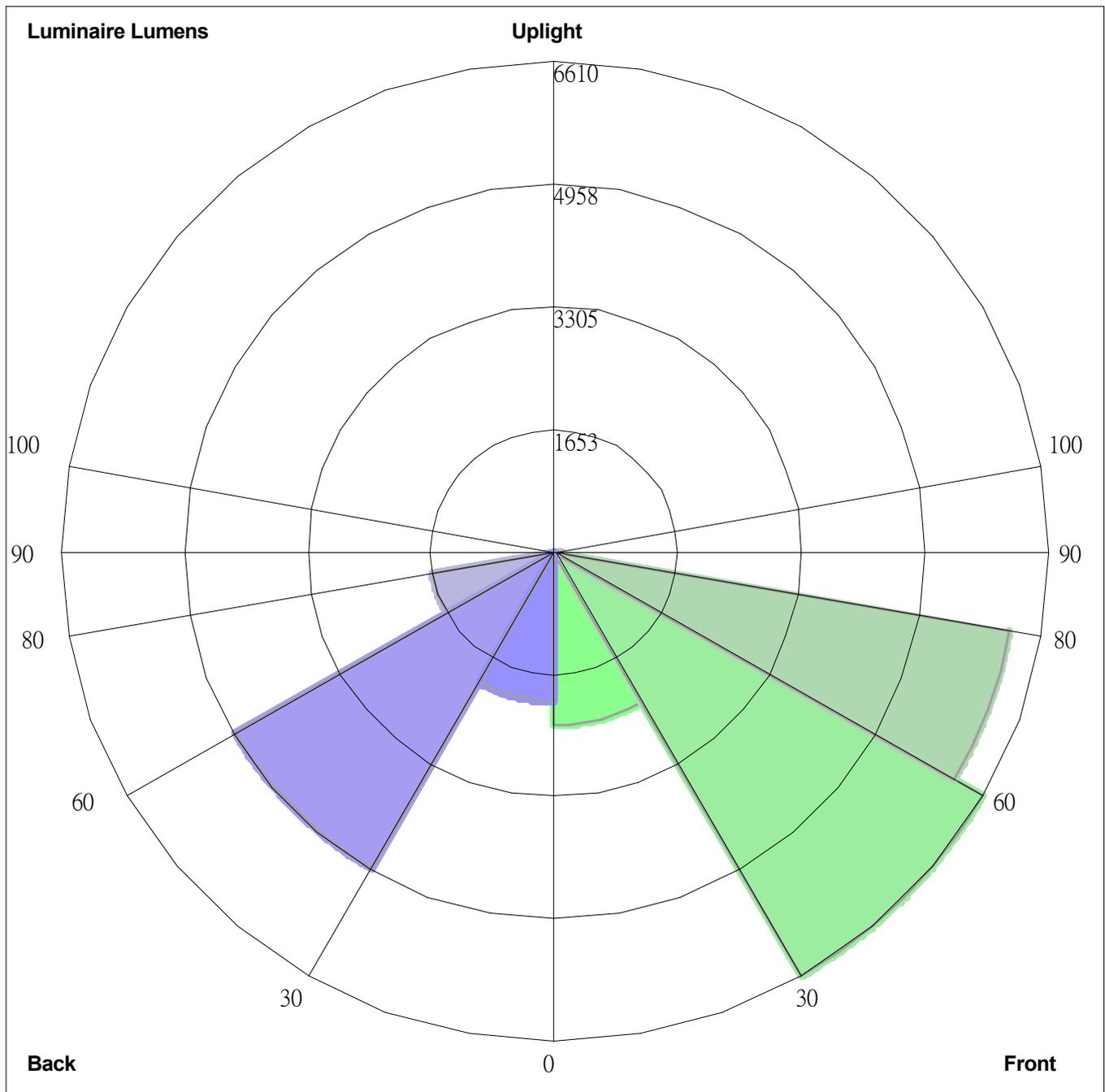
Maximum Candela = 13990.981 Located At Horizontal Angle = 80, Vertical Angle = 70.5  
# 1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70.5) (Through Max. Cd.)

**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=2343.7, Medium=6610.2, High=6176.5, Very High=84.0  
Back: Low=2028.2, Medium=4923.2, High=1658.4, Very High=15.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3