



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-4-XX-205 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] 6/20/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL1-80J-MV-27K-4-XX-205

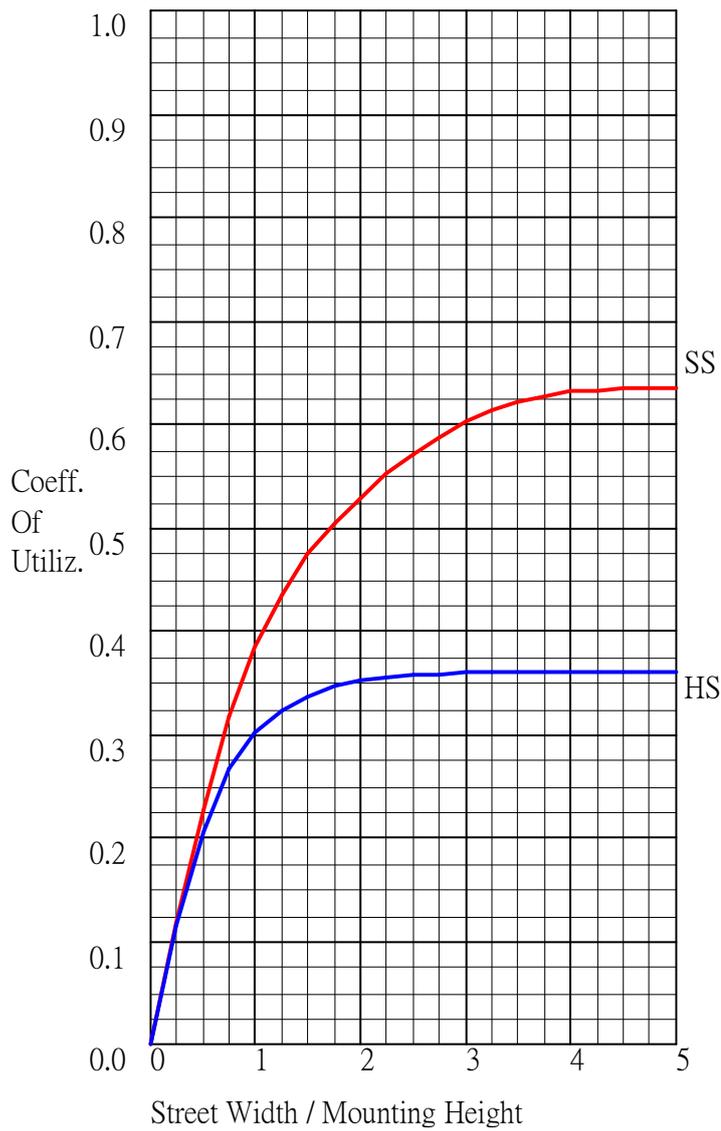
**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20559
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	146
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12065.85
Maximum Candela Angle	80H 70.5V
Maximum Candela (<90 Degrees Vertical)	12065.85
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	971.709 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2021.2	N.A.	9.8
FM - Front-Medium (30-60)	5700.7	N.A.	27.7
FH - Front-High (60-80)	5326.7	N.A.	25.9
FVH - Front-Very High (80-90)	72.4	N.A.	0.4
BL - Back-Low (0-30)	1749.1	N.A.	8.5
BM - Back-Medium (30-60)	4245.8	N.A.	20.7
BH - Back-High (60-80)	1430.2	N.A.	7.0
BVH - Back-Very High (80-90)	13.3	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>20559.4</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B3-U0-G3		

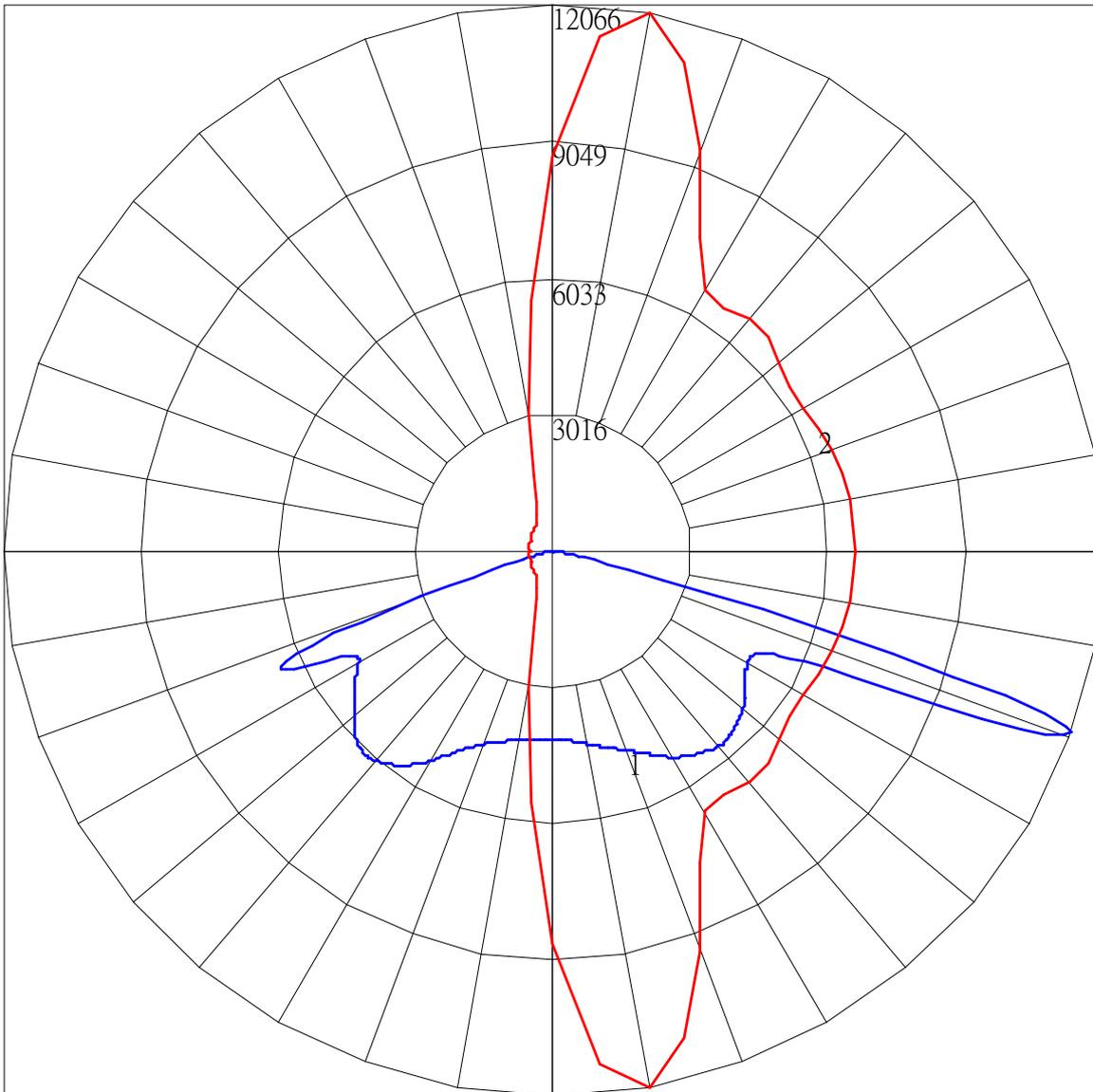
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

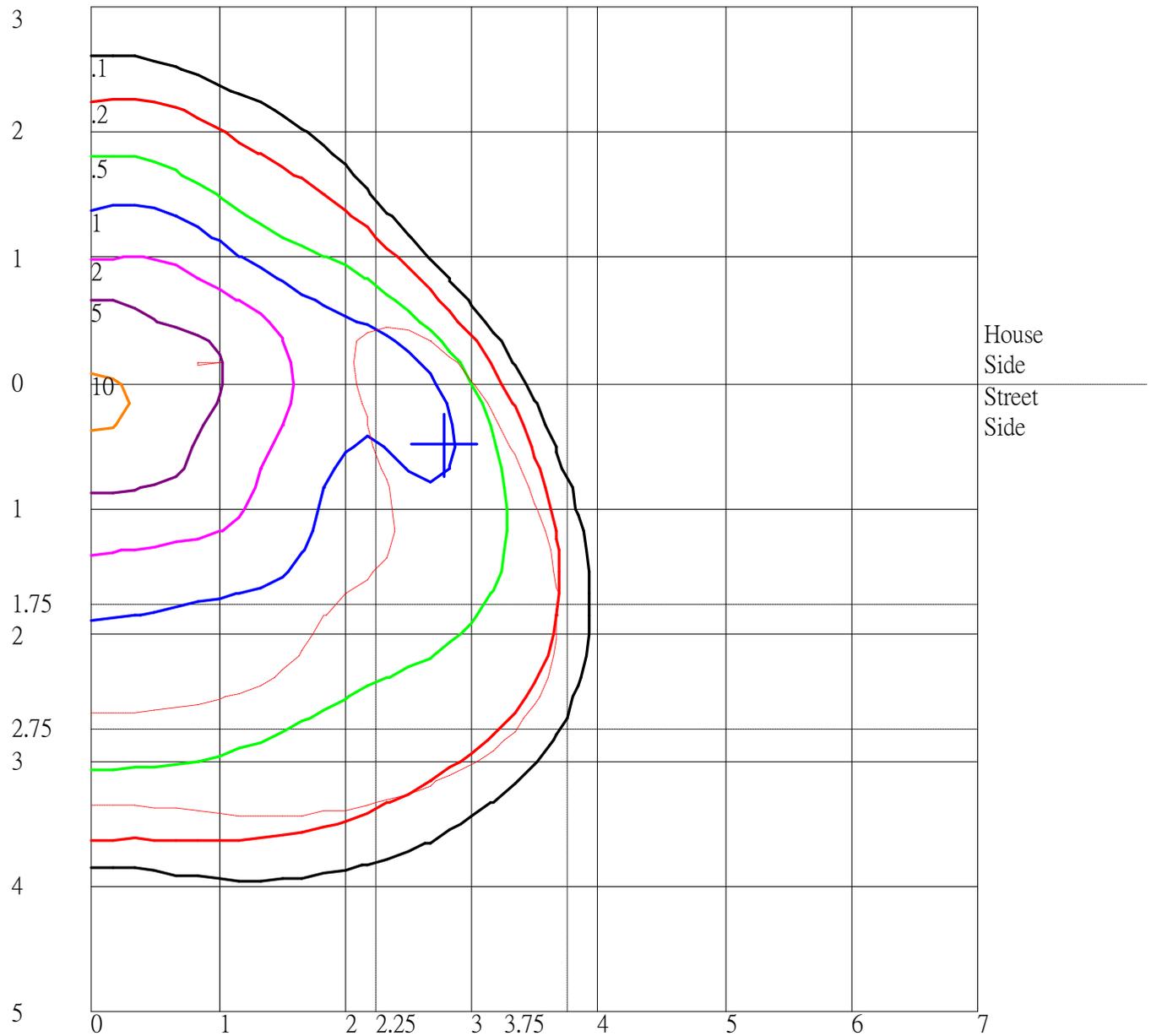
	Lumens	Percent Of Luminaire
Downward Street Side	13121.0	63.8
Downward House Side	7438.4	36.2
Downward Total	20559.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20559.4	100.0

POLAR GRAPH



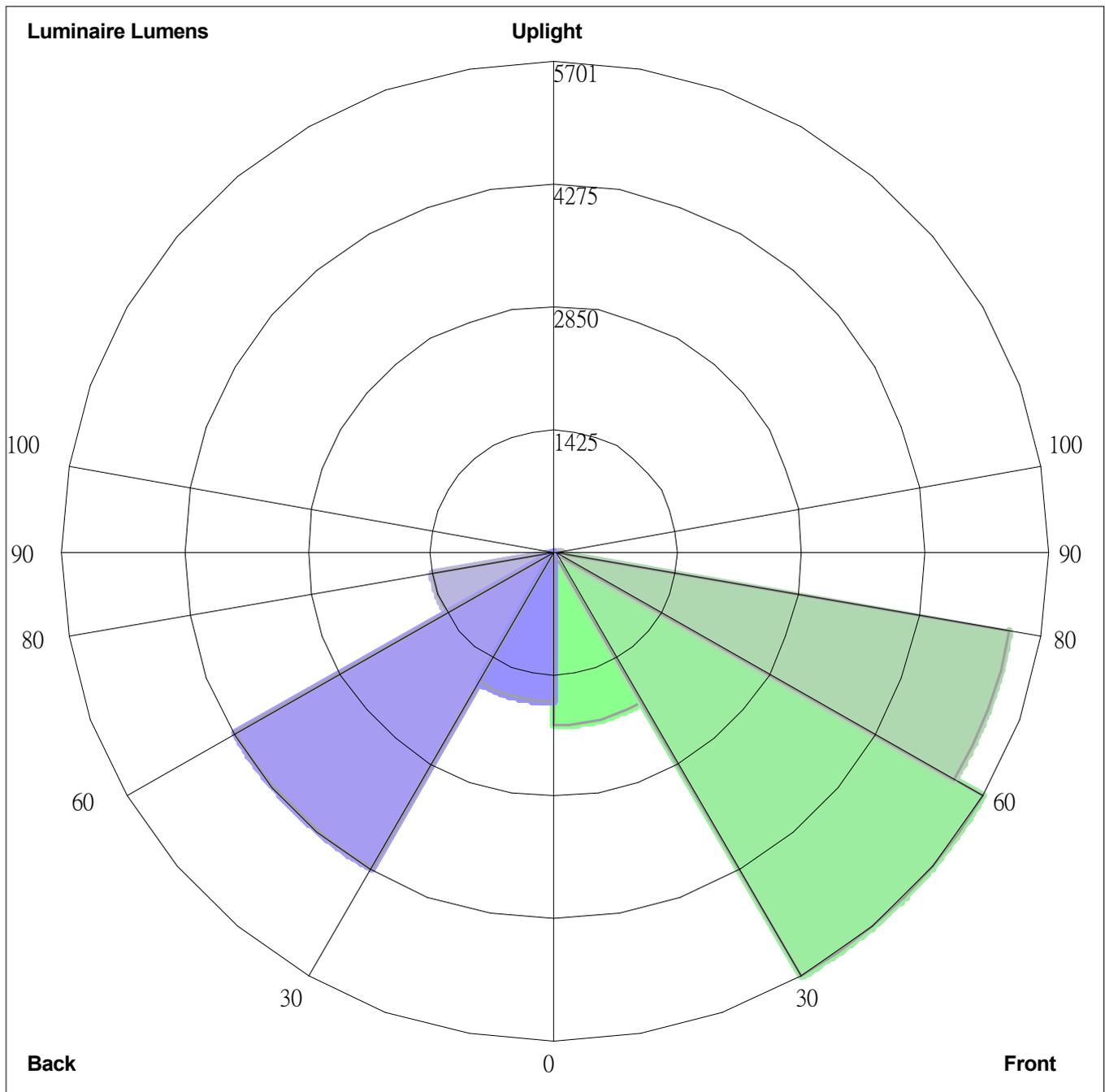
Maximum Candela = 12065.85 Located At Horizontal Angle = 80, Vertical Angle = 70.5  
# 1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70.5) (Through Max. Cd.)

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=2021.2, Medium=5700.7, High=5326.7, Very High=72.4  
 Back: Low=1749.1, Medium=4245.8, High=1430.2, Very High=13.3  
 Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3