



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-5-XX-205 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] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-5-XX-205

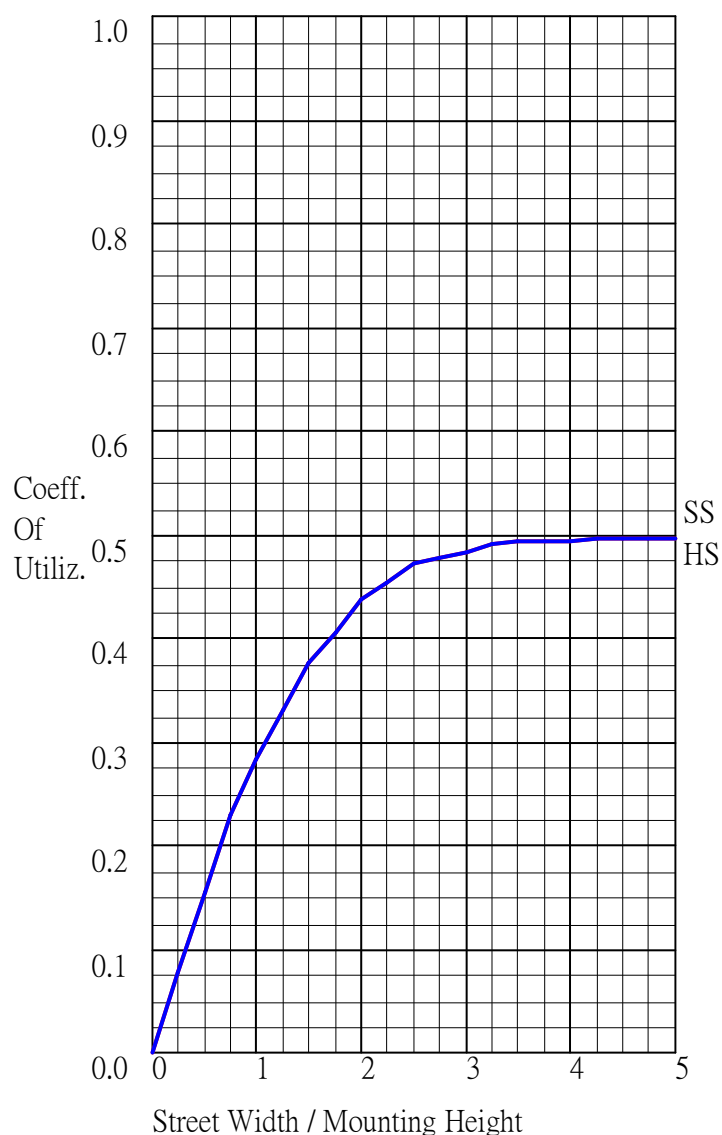
### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20560
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	8190.2
Maximum Candela Angle	50H 67.5V
Maximum Candela (<90 Degrees Vertical)	8190.2
Maximum Candela Angle (<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	311.346 (1.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1284.0	N.A.	6.2
FM - Front-Medium (30-60)	4807.7	N.A.	23.4
FH - Front-High (60-80)	4156.6	N.A.	20.2
FVH - Front-Very High (80-90)	31.7	N.A.	0.2
BL - Back-Low (0-30)	1284.0	N.A.	6.2
BM - Back-Medium (30-60)	4807.7	N.A.	23.4
BH - Back-High (60-80)	4156.6	N.A.	20.2
BVH - Back-Very High (80-90)	31.7	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
Total	20560.0	N.A.	100.0
BUG Rating	B4-U0-G2		

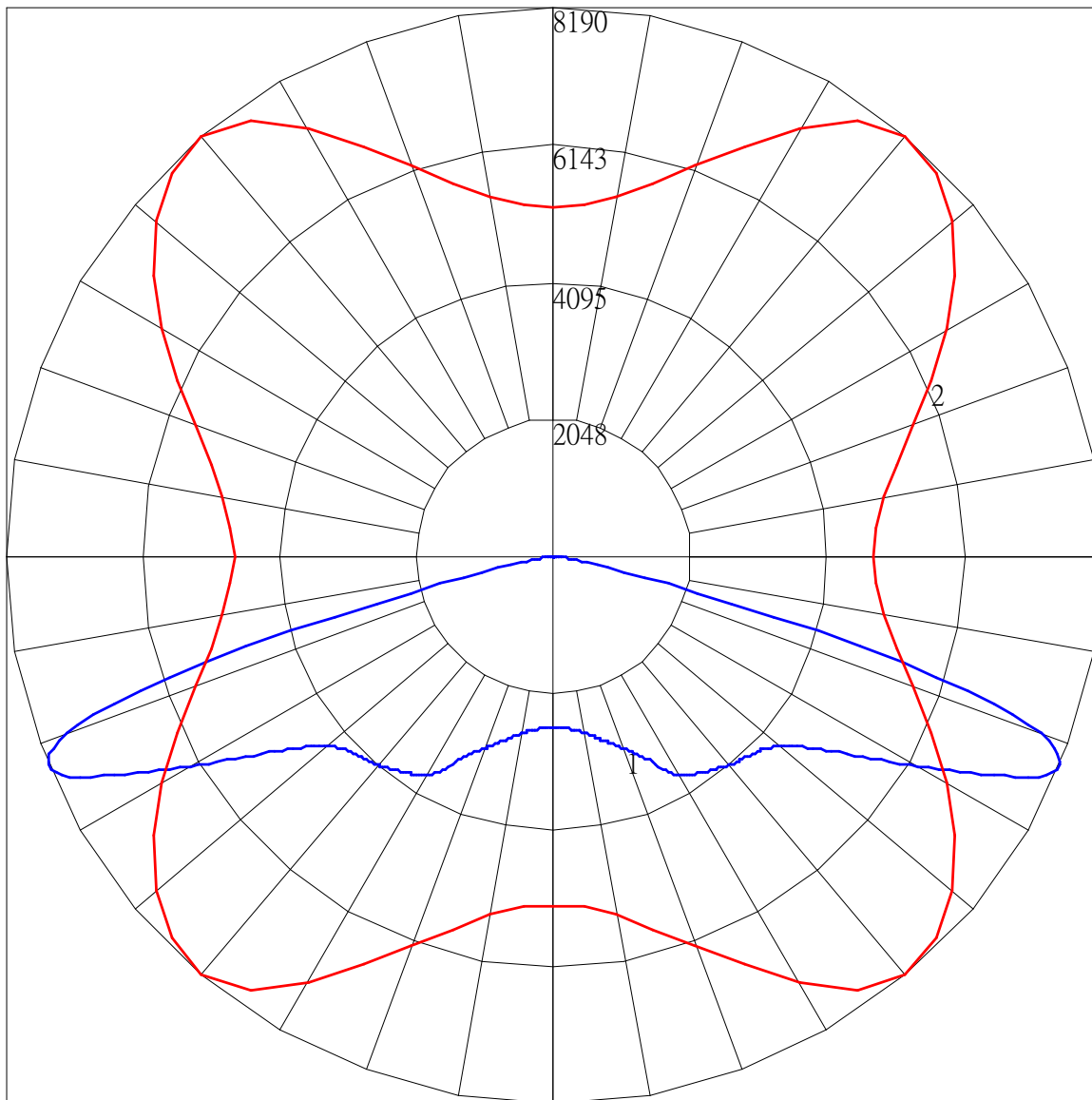
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

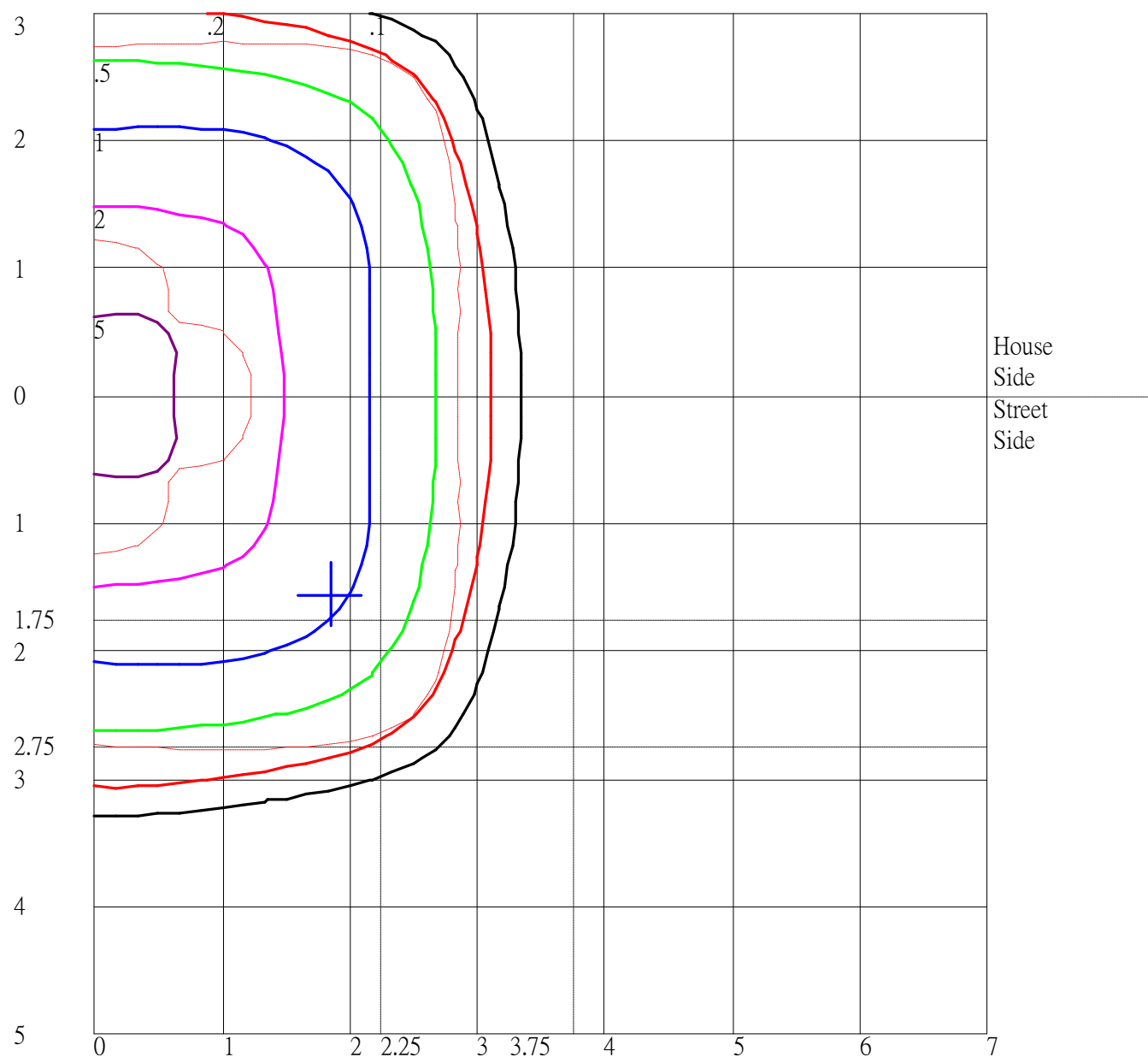
	Lumens	Percent Of Luminaire
Downward Street Side	10280.0	50.0
Downward House Side	10280.0	50.0
Downward Total	20560.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20560.0	100.0

POLAR GRAPH



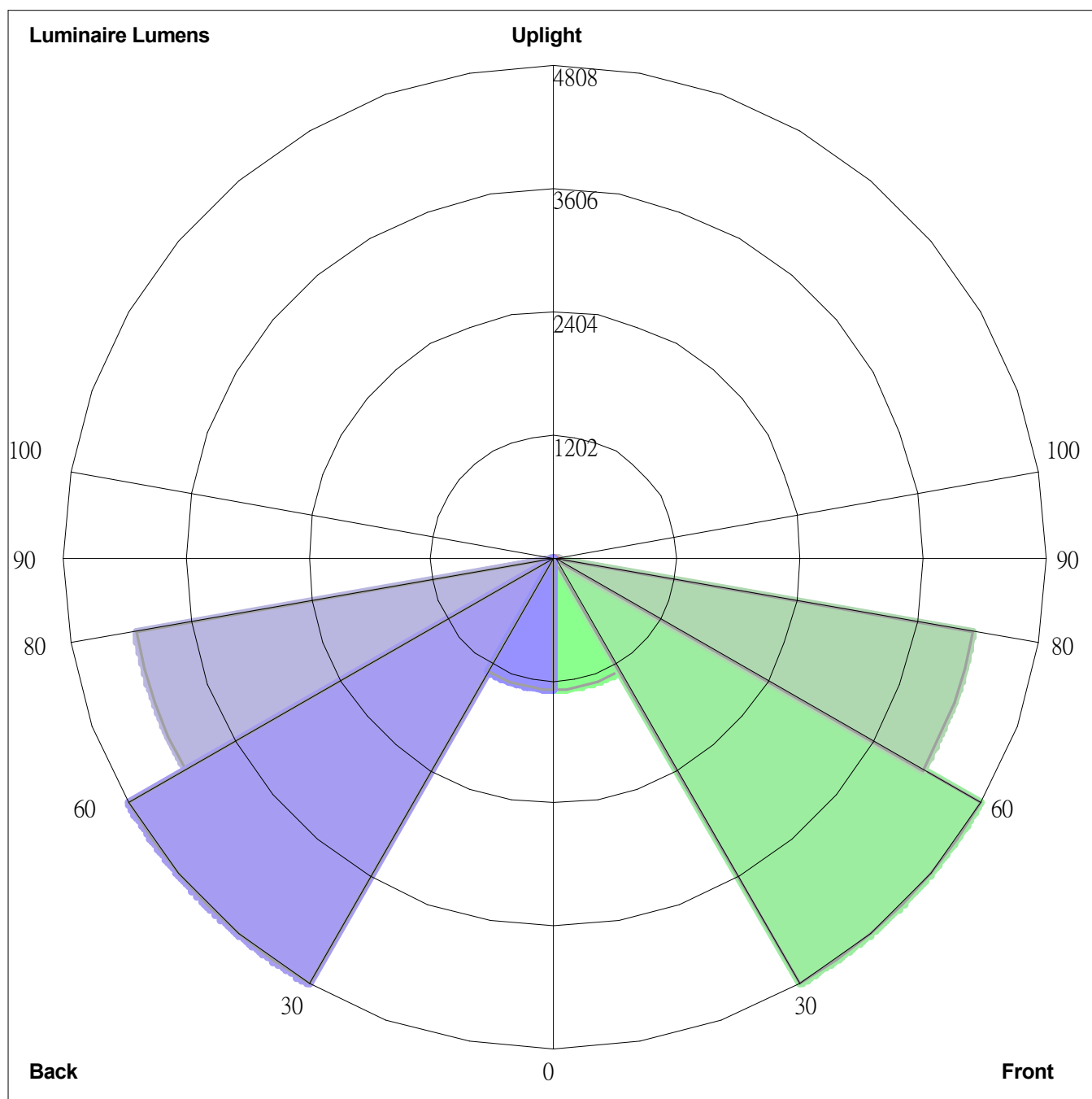
Maximum Candela = 8190.2 Located At Horizontal Angle = 50, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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= 1284.0, Medium=4807.7, High=4156.6, Very High=31.7  
Back: Low= 1284.0, Medium=4807.7, High=4156.6, Very High=31.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2