



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-2S-XX-230 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-2S-XX-240

[ISSUEDATE] 6/24/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-2S-XX-230

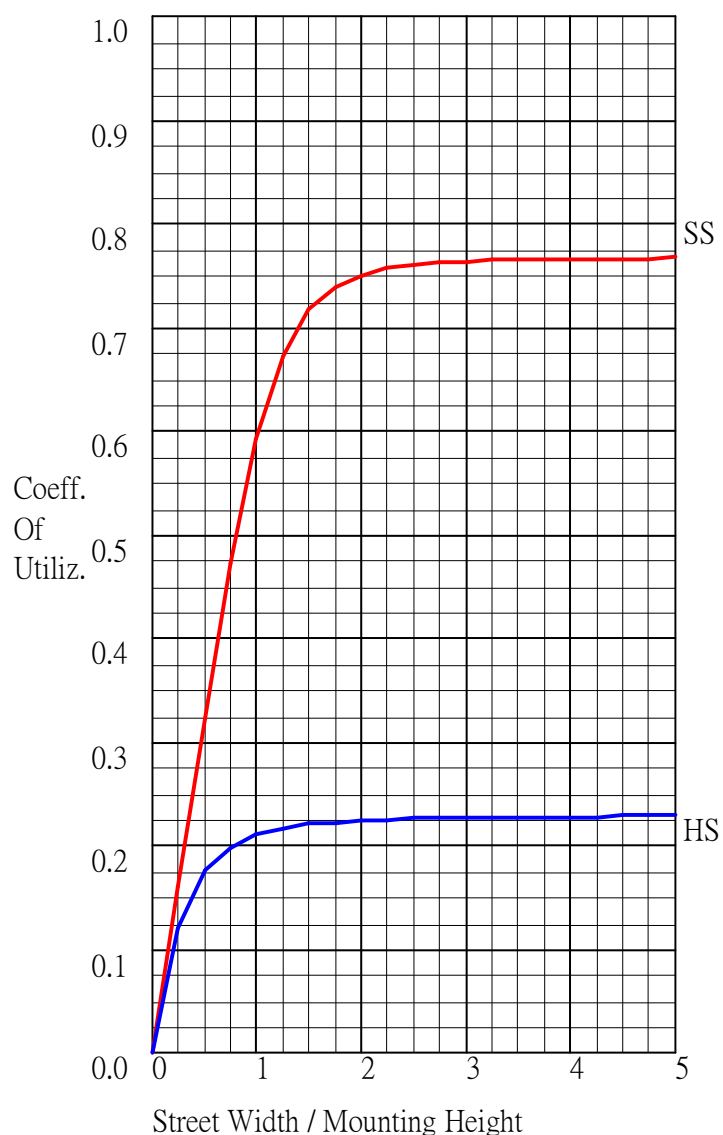
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22857
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	171
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13655.233
Maximum Candela Angle	60H 58.5V
Maximum Candela (<90 Degrees Vertical)	13655.233
Maximum Candela Angle (<90 Degrees Vertical)	60H 58.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2130.23 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3355.7	N.A.	14.7
FM - Front-Medium (30-60)	9821.5	N.A.	43.0
FH - Front-High (60-80)	4306.0	N.A.	18.8
FVH - Front-Very High (80-90)	113.7	N.A.	0.5
BL - Back-Low (0-30)	2086.5	N.A.	9.1
BM - Back-Medium (30-60)	2028.7	N.A.	8.9
BH - Back-High (60-80)	1110.3	N.A.	4.9
BVH - Back-Very High (80-90)	34.9	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	22857.3	N.A.	100.0
BUG Rating	B3-U0-G3		

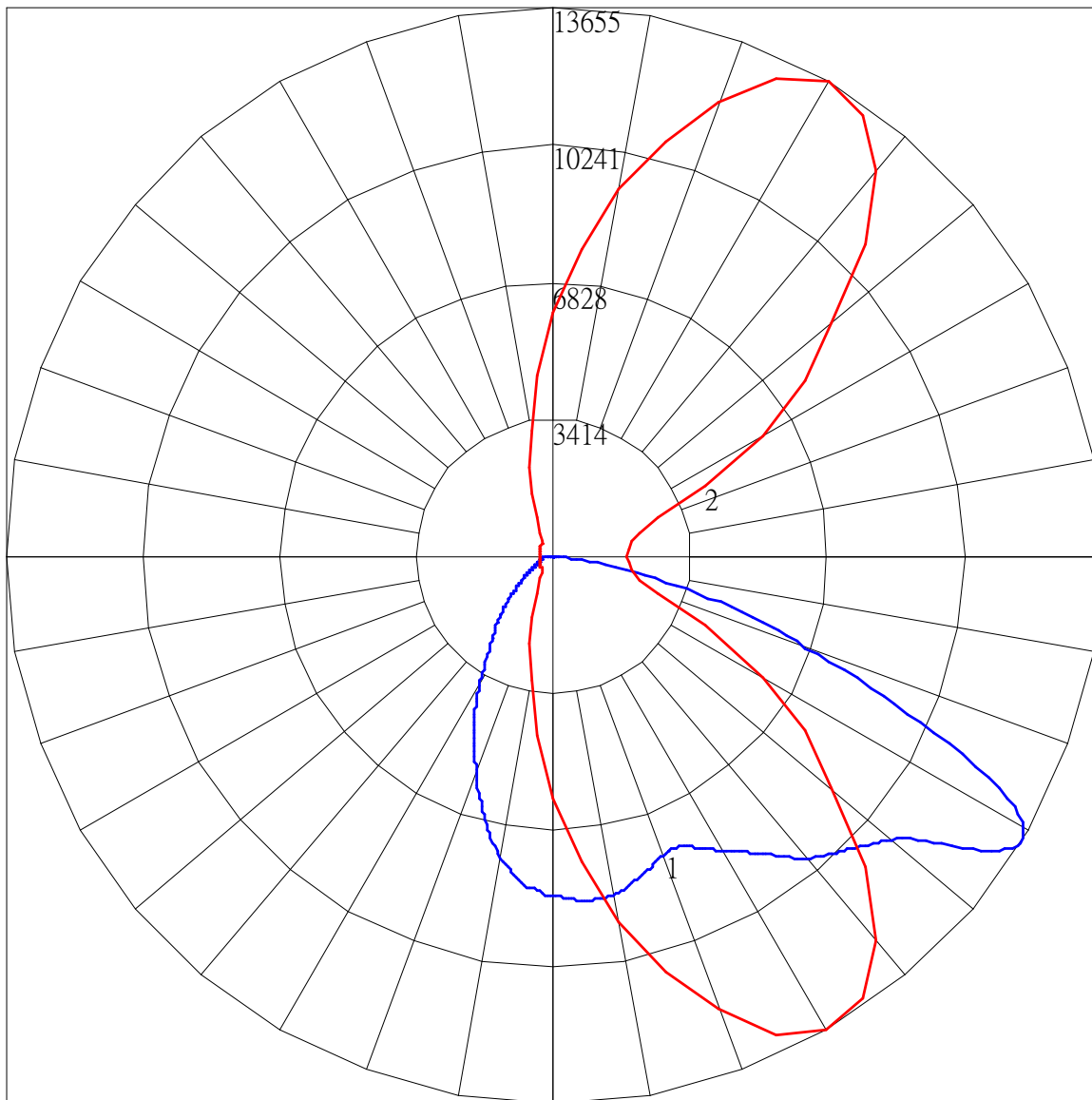
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	17596.9	77.0
Downward House Side	5260.5	23.0
Downward Total	22857.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	22857.4	100.0

POLAR GRAPH

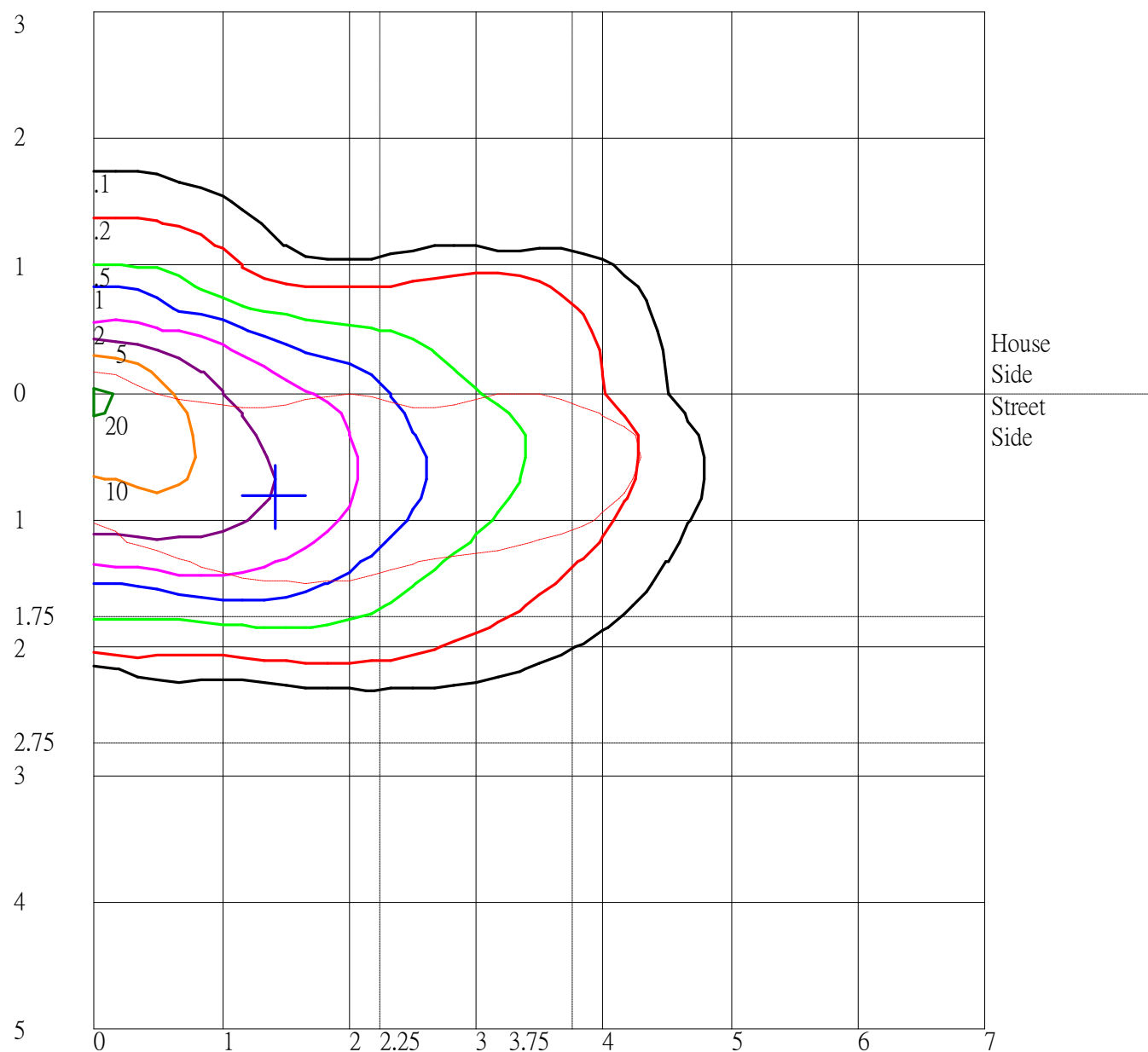


Maximum Candela = 13655.233 Located At Horizontal Angle = 60, Vertical Angle = 58.5

# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)

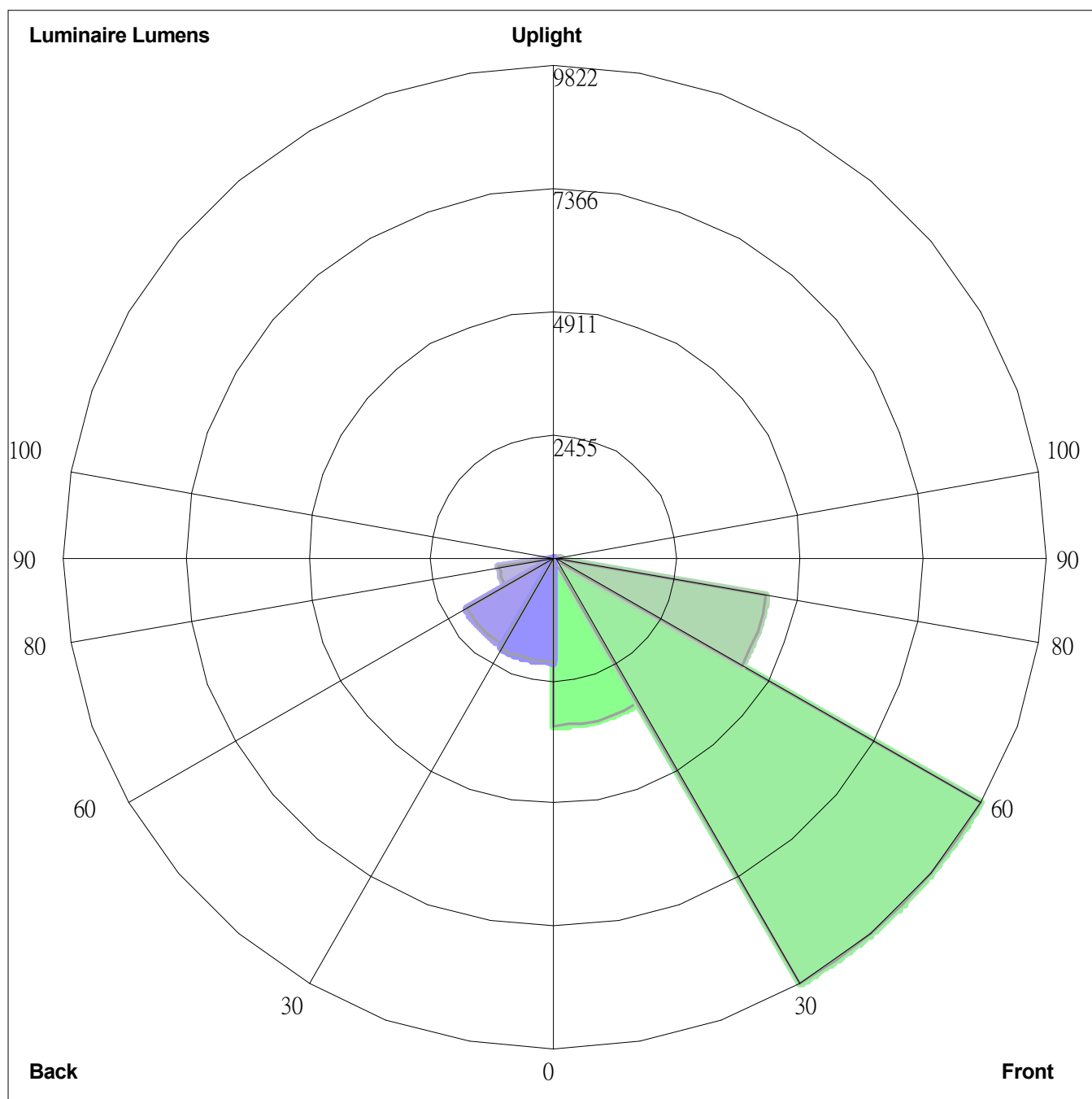
# 2 - Horizontal Cone Through Vertical Angle (58.5) (Through Max. Cd.)

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=3355.7, Medium=9821.5, High= 4306.0, Very High=113.7  
Back: Low=2086.5, Medium=2028.7, High=1110.3, Very High=34.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3